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ANALYTICAL REPORT

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

Laboratory Job ID: 320-84210-1
Client Project/Site: Rock-Gen Energy Quaterly

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

Attn: Jeff Ramey

Authorized for release by:
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David Alltucker, Project Manager I
(916)374-4383
David.Alltucker@Eurofinset.com

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Definitions/Glossary

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

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Qualifiers

LCMS

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

Glossary

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

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Narrative

Job Narrative
320-84210-1

Receipt
The samples were received on 1/26/2022 10:00 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 1.5º C, 1.5º C and 2.7º C.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): MP-02-(279-300)-202201 (320-84210-5). The container labels list MP-02-(153-195)-202201, while the COC lists MP-02-(279-300)-202201. The date and time match the COC and samples.

LCMS
Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was above the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte: DUP-05-202201 (320-84210-19).

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was above the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte: MW-01-202201 (320-84210-22) and MP-03-(120-157)-202201 (320-84210-34).

Method 537 (modified): Results for samples MP-02-(153-195)-202201 (320-84210-1), MP-02-(198-220)-202201 (320-84210-2), DUP-03-202201 (320-84210-6), MP-05-(SWL-065)-202201 (320-84210-8), DUP-06-202201 (320-84210-9), MP-01-(121-152)-202201 (320-84210-13), MP-01-(155-195)-202201 (320-84210-14), MP-01-(198-220)-202201 (320-84210-15), DUP-05-202201 (320-84210-19) and MW-04-202201 (320-84210-24) 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-01-(051-088)-202201 (320-84210-11) and MP-01-(091-118)-202201 (320-84210-12) 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 MW-01-202201 (320-84210-22) 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 MW-04-202201 (320-84210-24) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits.

Method 537 (modified): Results for samples MP-04-(080-112)-202201 (320-84210-43), MP-04-(115-152)-202201 (320-84210-44), MP-04-(195-217)-202201 (320-84210-46) and DUP-01-202201 (320-84210-50) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits.

Method 537 (modified): The Isotope Dilution Analyte (IDA) recovery associated with the following samples are below the method recommended limit: MP-02-(153-195)-202201 (320-84210-1) and DUP-03-202201 (320-84210-6). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the samples. The sample was re-analyzed with concurring results, therefore, the data was reported.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MP-01-(121-152)-202201 (320-84210-13), MP-01-(155-195)-202201 (320-84210-14) and MP-03-(046-080)-202201 (320-84210-32). Quantitation

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by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The samples were re-analyzed with concurring results, therefore, the data was reported.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: MP-01-(051-088)-202201 (320-84210-11). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The sample was re-analyzed with concurring results, therefore, the data was reported.

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 320-561306.

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-561330.

Method 3535: The following samples were yellow prior to extraction: MP-02-(198-220)-202201 (320-84210-2), MP-02-(223-250)-202201 (320-84210-3) and MP-01-(091-118)-202201 (320-84210-12).

Method 3535: The following samples were brown prior to extraction: MP-05-(SWL-065)-202201 (320-84210-8), DUP-06-202201 (320-84210-9) and MP-01-(277-293)-202201 (320-84210-18).

Method 3535: The following samples contained a thin layer of sediment at the bottom of the bottle prior to extraction: MP-02-(153-195)-202201 (320-84210-1), DUP-03-202201 (320-84210-6), MP-05-(SWL-065)-202201 (320-84210-8) and DUP-06-202201 (320-84210-9).

Method 3535: The following samples contained floating particulates in the sample bottle prior to extraction: MP-02-(198-220)-202201 (320-84210-2), MP-02-(279-300)-202201 (320-84210-5), MP-01-(223-250)-202201 (320-84210-16), MP-01-(253-274)-202201 (320-84210-17) and MP-01-(277-293)-202201 (320-84210-18).

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-561329.

Method 3535: The following samples had particulates in the sample bottle prior to extraction: MW-03-202201 (320-84210-23), MW-05-202201 (320-84210-25), MW-06-202201 (320-84210-26), PZ-01-202201 (320-84210-28), DUP-04-202201 (320-84210-29), MP-03-(190-217)-202201 (320-84210-36) and MP-03-(220-242)-202201 (320-84210-37).

Method 3535: The following sample was orange prior to extraction: MP-03-(046-080)-202201 (320-84210-32).

Method 3535: During the solid phase extraction process, the following samples contain non-settable particulates which clogged the solid phase extraction column: MP-02-(153-195)-202201 (320-84210-1), DUP-03-202201 (320-84210-6), MP-05-(SWL-065)-202201 (320-84210-8), DUP-06-202201 (320-84210-9) and MP-01-(277-293)-202201 (320-84210-18).

Method 3535: Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation (less than 250mL in sample bottles): MP-05-(SWL-065)-202201 (320-84210-8), DUP-06-202201 (320-84210-9), MP-01-(051-088)-202201 (320-84210-11), MP-01-(091-118)-202201 (320-84210-12), MP-01-(121-152)-202201 (320-84210-13), MP-01-(155-195)-202201 (320-84210-14) and MP-01-(198-220)-202201 (320-84210-15).

Method 3535: During the solid phase extraction process, the following samples contain non-settleable particulates which clogged the solid phase extraction column: MW-05-202201 (320-84210-25) and MP-03-(220-242)-202201 (320-84210-37).

Method 3535: Elevated reporting limits are provided for the following sample due to insufficient sample provided for preparation (less than 250mL in sample bottles): MP-03-(083-117)-202201 (320-84210-33) and MP-03-(120-157)-202201 (320-84210-34).

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: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-02-(153-195)-202201 — Lab Sample ID: 320-84210-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	74		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	310		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	200		1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	100		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	88		1.9	0.82	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	17		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.97	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.6		1.9	0.52	ng/L	1		537 (modified)	Total/NA
4:2 FTS	3.0		1.9	0.23	ng/L	1		537 (modified)	Total/NA
8:2 FTS	130		1.9	0.44	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	820		48	24	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MP-02-(198-220)-202201 — Lab Sample ID: 320-84210-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	30		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	130		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	81		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	22		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	23		2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.7	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.62	J	2.0	0.54	ng/L	1		537 (modified)	Total/NA
4:2 FTS	4.8		2.0	0.24	ng/L	1		537 (modified)	Total/NA
8:2 FTS	11		2.0	0.46	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	390		50	25	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MP-02-(223-250)-202201 — Lab Sample ID: 320-84210-3

No Detections.

Client Sample ID: MP-02-(253-276)-202201 — Lab Sample ID: 320-84210-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	2.0	J	2.1	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.3	J	2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.89	J	2.1	0.89	ng/L	1		537 (modified)	Total/NA
6:2 FTS	8.7		5.2	2.6	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.2	J	2.1	0.48	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-02-(279-300)-202201 — Lab Sample ID: 320-84210-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	15		4.9	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	50		1.9	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	38		1.9	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	14		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	15		1.9	0.83	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.5	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.60	J	1.9	0.53	ng/L	1		537 (modified)	Total/NA
6:2 FTS	240		4.9	2.4	ng/L	1		537 (modified)	Total/NA
8:2 FTS	30		1.9	0.45	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: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: DUP-03-202201 — Lab Sample ID: 320-84210-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	77		5.1	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	290		2.0	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	210		2.0	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	86		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	83		2.0	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	12		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.94	J	2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.3		2.0	0.55	ng/L	1		537 (modified)	Total/NA
4:2 FTS	3.3		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
6:2 FTS - DL	1100		51	25	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MP-02-EB-202201 — Lab Sample ID: 320-84210-7

No Detections.

Client Sample ID: MP-05-(SWL-065)-202201 — Lab Sample ID: 320-84210-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	150		5.9	2.8	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	400		2.4	0.69	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	110		2.4	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	96		2.4	1.0	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	3.8		2.4	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	8.2		2.4	0.24	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.82	J	2.4	0.36	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.0		2.4	0.68	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.8	J	2.4	0.64	ng/L	1		537 (modified)	Total/NA
4:2 FTS	34		2.4	0.28	ng/L	1		537 (modified)	Total/NA
8:2 FTS	24		2.4	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	450		24	5.8	ng/L	10		537 (modified)	Total/NA
6:2 FTS - DL	1700		59	30	ng/L	10		537 (modified)	Total/NA

Client Sample ID: DUP-06-202201 — Lab Sample ID: 320-84210-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	150		5.7	2.8	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	420		2.3	0.67	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	110		2.3	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	98		2.3	0.98	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	4.9		2.3	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	8.0		2.3	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.4		2.3	0.66	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.2	J	2.3	0.62	ng/L	1		537 (modified)	Total/NA
4:2 FTS	39		2.3	0.28	ng/L	1		537 (modified)	Total/NA
8:2 FTS	33		2.3	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	570		23	5.6	ng/L	10		537 (modified)	Total/NA
6:2 FTS - DL	1700		57	29	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MP-05-EB-202201 — Lab Sample ID: 320-84210-10

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-01-(051-088)-202201 — Lab Sample ID: 320-84210-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	280		6.1	2.9	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	410		2.4	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	36		2.4	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	10		2.4	0.38	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.48	J	2.4	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.3		2.4	0.70	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.6		2.4	0.66	ng/L	1		537 (modified)	Total/NA
4:2 FTS	62		2.4	0.29	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1000		49	12	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	900		49	14	ng/L	20		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	680		49	21	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	5000		120	61	ng/L	20		537 (modified)	Total/NA
8:2 FTS - DL	1200		49	11	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-01-(091-118)-202201 — Lab Sample ID: 320-84210-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	140		5.6	2.7	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	190		2.2	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	320		2.2	0.95	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	16		2.2	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.8		2.2	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.40	J	2.2	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.4		2.2	0.63	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.3		2.2	0.60	ng/L	1		537 (modified)	Total/NA
4:2 FTS	33		2.2	0.27	ng/L	1		537 (modified)	Total/NA
8:2 FTS	340		2.2	0.51	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	600		45	11	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	420		45	13	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	3800		110	56	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-01-(121-152)-202201 — Lab Sample ID: 320-84210-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	350		5.3	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	400		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	46		2.1	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	3.2		2.1	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.71	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.72	J	2.1	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	5.6		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	15		2.1	0.57	ng/L	1		537 (modified)	Total/NA
4:2 FTS	86		2.1	0.25	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1200		110	26	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	980		110	30	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	880		110	45	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL	5800		260	130	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	520		110	24	ng/L	50		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-01-(155-195)-202201 — Lab Sample ID: 320-84210-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	310		5.6	2.7	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	360		2.3	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	41		2.3	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.8		2.3	0.35	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.76	J	2.3	0.23	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.70	J	2.3	0.34	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	5.0		2.3	0.64	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	13		2.3	0.61	ng/L	1		537 (modified)	Total/NA
4:2 FTS	71		2.3	0.27	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1200		110	28	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1100		110	33	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	700		110	48	ng/L	50		537 (modified)	Total/NA
6:2 FTS - DL	6300		280	140	ng/L	50		537 (modified)	Total/NA
8:2 FTS - DL	480		110	26	ng/L	50		537 (modified)	Total/NA

Client Sample ID: MP-01-(198-220)-202201 — Lab Sample ID: 320-84210-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	190		5.3	2.6	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	210		2.1	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	410		2.1	0.91	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	22		2.1	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.7		2.1	0.33	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.47	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.4		2.1	0.61	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.0		2.1	0.58	ng/L	1		537 (modified)	Total/NA
4:2 FTS	44		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	730		43	10	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	650		43	12	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	4300		110	53	ng/L	20		537 (modified)	Total/NA
8:2 FTS - DL	400		43	9.8	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-01-(223-250)-202201 — Lab Sample ID: 320-84210-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
6:2 FTS	4.6	J	5.1	2.5	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-01-(253-274)-202201 — Lab Sample ID: 320-84210-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.74	J	2.0	0.49	ng/L	1		537 (modified)	Total/NA
6:2 FTS	7.4		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	0.49	J	2.0	0.46	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-01-(277-293)-202201 — Lab Sample ID: 320-84210-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	7.0		4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	27		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	25		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	7.4		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	15		1.9	0.80	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: MP-01-(277-293)-202201 (Continued) — Lab Sample ID: 320-84210-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	0.58	J	1.9	0.25	ng/L	1		537 (modified)	Total/NA
6:2 FTS	250		4.7	2.3	ng/L	1		537 (modified)	Total/NA
8:2 FTS	21		1.9	0.43	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-05-202201 — Lab Sample ID: 320-84210-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	180		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	210		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	22		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	2.9	I	2.0	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.59	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.56	J	2.0	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.9		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	6.3		2.0	0.54	ng/L	1		537 (modified)	Total/NA
4:2 FTS	46		2.0	0.24	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	740		40	9.7	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	590		40	12	ng/L	20		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	460		40	17	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	4300		99	50	ng/L	20		537 (modified)	Total/NA
8:2 FTS - DL	310		40	9.1	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-01-EB-202201 — Lab Sample ID: 320-84210-20

No Detections.

Client Sample ID: FB-01-202201 — Lab Sample ID: 320-84210-21

No Detections.

Client Sample ID: MW-01-202201 — Lab Sample ID: 320-84210-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	320		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	270		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	93		1.8	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	10		1.8	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.56	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.66	J	1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.5	I	1.8	0.50	ng/L	1		537 (modified)	Total/NA
8:2 FTS	3.8		1.8	0.43	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	1200		18	4.5	ng/L	10		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	660		18	5.4	ng/L	10		537 (modified)	Total/NA
6:2 FTS - DL	590		46	23	ng/L	10		537 (modified)	Total/NA

Client Sample ID: MW-03-202201 — Lab Sample ID: 320-84210-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	12		4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.2	J	1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.77	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MW-04-202201 — Lab Sample ID: 320-84210-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	59		1.8	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	21		1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.1	J	1.8	1.0	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.62	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.31	J	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.8		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	14		1.8	0.50	ng/L	1		537 (modified)	Total/NA
4:2 FTS	52		1.8	0.22	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	7300		230	110	ng/L	50		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA) - RADL	460		230	110	ng/L	50		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - RADL	1700		92	23	ng/L	50		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - RADL	1400		92	27	ng/L	50		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - RADL	620		92	11	ng/L	50		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA) - RADL	860		92	39	ng/L	50		537 (modified)	Total/NA
8:2 FTS - RADL	1800		92	21	ng/L	50		537 (modified)	Total/NA

Client Sample ID: MW-05-202201 — Lab Sample ID: 320-84210-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	78		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	270		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	170		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	96		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	73		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	6.4		1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.47	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6	J	1.9	0.50	ng/L	1		537 (modified)	Total/NA
6:2 FTS	150		4.6	2.3	ng/L	1		537 (modified)	Total/NA
8:2 FTS	42		1.9	0.43	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-06-202201 — Lab Sample ID: 320-84210-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.66	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MW-07-202201 — Lab Sample ID: 320-84210-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.86	J	1.8	0.18	ng/L	1		537 (modified)	Total/NA

Client Sample ID: PZ-01-202201 — Lab Sample ID: 320-84210-28

No Detections.

Client Sample ID: DUP-04-202201 — Lab Sample ID: 320-84210-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	74		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	270		1.9	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	170		1.9	0.54	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: DUP-04-202201 (Continued) — Lab Sample ID: 320-84210-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	93		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	66		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	6.2		1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.50	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.9		1.9	0.50	ng/L	1		537 (modified)	Total/NA
6:2 FTS	150		4.6	2.3	ng/L	1		537 (modified)	Total/NA
8:2 FTS	43		1.9	0.43	ng/L	1		537 (modified)	Total/NA

Client Sample ID: FB-01-202201 — Lab Sample ID: 320-84210-30

No Detections.

Client Sample ID: MW-04-EB-202201 — Lab Sample ID: 320-84210-31

No Detections.

Client Sample ID: MP-03-(046-080)-202201 — Lab Sample ID: 320-84210-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	17		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	36		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	23		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	49		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	16		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.2		1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.86	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.27	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.66	J	1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.2	J	1.9	0.50	ng/L	1		537 (modified)	Total/NA
6:2 FTS	18		4.6	2.3	ng/L	1		537 (modified)	Total/NA
8:2 FTS	25		1.9	0.43	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(083-117)-202201 — Lab Sample ID: 320-84210-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	24		5.8	2.8	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	52		2.3	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	29		2.3	0.67	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	60		2.3	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	20		2.3	0.98	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.5		2.3	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.3	J	2.3	0.62	ng/L	1		537 (modified)	Total/NA
6:2 FTS	13		5.8	2.9	ng/L	1		537 (modified)	Total/NA
8:2 FTS	36		2.3	0.53	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(120-157)-202201 — Lab Sample ID: 320-84210-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	17		5.3	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	27		2.1	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	15		2.1	0.61	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)	7.1		2.1	0.89	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.33	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MP-03-(120-157)-202201 (Continued) — Lab Sample ID: 320-84210-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	1.9	J I	2.1	0.57	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(160-187)-202201 — Lab Sample ID: 320-84210-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	34		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)	69		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	55		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	30		2.1	0.88	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	3.1		2.1	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.21	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.1	J	2.1	0.56	ng/L	1		537 (modified)	Total/NA
4:2 FTS	1.8	J	2.1	0.25	ng/L	1		537 (modified)	Total/NA
6:2 FTS	310		5.2	2.6	ng/L	1		537 (modified)	Total/NA
8:2 FTS	63		2.1	0.48	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(190-217)-202201 — Lab Sample ID: 320-84210-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.0	J	4.9	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	8.1		2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	5.1		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	12		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	4.2		2.0	0.84	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.70	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
6:2 FTS	8.6		4.9	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	8.0		2.0	0.45	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-(220-242)-202201 — Lab Sample ID: 320-84210-37

No Detections.

Client Sample ID: MP-03-(245-277)-202201 — Lab Sample ID: 320-84210-38

No Detections.

Client Sample ID: MP-03-(280-300)-202201 — Lab Sample ID: 320-84210-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	1.7	J	2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.0	J	2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.2		2.0	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.2	J	2.0	0.83	ng/L	1		537 (modified)	Total/NA
8:2 FTS	2.5		2.0	0.45	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-02-202201 — Lab Sample ID: 320-84210-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	31		5.1	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	98		2.1	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	70		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	54		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	32		2.1	0.88	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-02-202201 (Continued) — Lab Sample ID: 320-84210-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	3.4		2.1	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.3	J	2.1	0.56	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	320		5.1	2.6	ng/L	1		537 (modified)	Total/NA
8:2 FTS	51		2.1	0.47	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-03-EB-202201 — Lab Sample ID: 320-84210-41

No Detections.

Client Sample ID: MP-04-(048-077)-202201 — Lab Sample ID: 320-84210-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	8.1		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)	21		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	5.9		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	7.0		2.1	0.88	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	150		5.2	2.6	ng/L	1		537 (modified)	Total/NA
8:2 FTS	2.7		2.1	0.47	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-04-(080-112)-202201 — Lab Sample ID: 320-84210-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	29		5.2	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	120		2.1	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	92		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	23		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	33		2.1	0.88	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.3	J	2.1	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.34	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.86	J	2.1	0.59	ng/L	1		537 (modified)	Total/NA
4:2 FTS	7.8		2.1	0.25	ng/L	1		537 (modified)	Total/NA
8:2 FTS	8.1		2.1	0.48	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	750		26	13	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-04-(115-152)-202201 — Lab Sample ID: 320-84210-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	150		5.1	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	130		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	160		2.1	0.87	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	8.5		2.1	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.62	J	2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.56	J	2.1	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.5		2.1	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.9		2.1	0.55	ng/L	1		537 (modified)	Total/NA
4:2 FTS	36		2.1	0.25	ng/L	1		537 (modified)	Total/NA
8:2 FTS	110		2.1	0.47	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	610		41	10	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	500		41	12	ng/L	20		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MP-04-(115-152)-202201 (Continued) — Lab Sample ID: 320-84210-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
6:2 FTS - DL	3400		100	51	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-04-(155-192)-202201 — Lab Sample ID: 320-84210-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	15		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	55		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	42		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	15		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	15		2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.91	J	2.0	0.27	ng/L	1		537 (modified)	Total/NA
4:2 FTS	2.2		2.0	0.24	ng/L	1		537 (modified)	Total/NA
6:2 FTS	290		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	15		2.0	0.46	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-04-(195-217)-202201 — Lab Sample ID: 320-84210-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	14		5.2	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	61		2.1	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	49		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)	19		2.1	0.88	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.67	J	2.1	0.28	ng/L	1		537 (modified)	Total/NA
4:2 FTS	5.2		2.1	0.25	ng/L	1		537 (modified)	Total/NA
8:2 FTS	4.9		2.1	0.47	ng/L	1		537 (modified)	Total/NA
6:2 FTS - DL	410		26	13	ng/L	5		537 (modified)	Total/NA

Client Sample ID: MP-04-(220-242)-202201 — Lab Sample ID: 320-84210-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	3.2		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.1		2.0	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.69	J	2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.7	J	2.0	0.86	ng/L	1		537 (modified)	Total/NA
6:2 FTS	27		5.0	2.5	ng/L	1		537 (modified)	Total/NA
8:2 FTS	1.9	J	2.0	0.46	ng/L	1		537 (modified)	Total/NA

Client Sample ID: MP-04-(245-272)-202201 — Lab Sample ID: 320-84210-48

No Detections.

Client Sample ID: MP-04-(275-291)-202201 — Lab Sample ID: 320-84210-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.68	J	2.1	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.67	J	2.1	0.60	ng/L	1		537 (modified)	Total/NA
6:2 FTS	2.6	J	5.1	2.6	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP-01-202201 — Lab Sample ID: 320-84210-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	150		5.1	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	130		2.0	0.26	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-01-202201 (Continued)

Lab Sample ID: 320-84210-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	170		2.0	0.87	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	8.5		2.0	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.70	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.61	J	2.0	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.1		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.1		2.0	0.55	ng/L	1		537 (modified)	Total/NA
4:2 FTS	39		2.0	0.25	ng/L	1		537 (modified)	Total/NA
8:2 FTS	120		2.0	0.47	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	600		41	10	ng/L	20		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	500		41	12	ng/L	20		537 (modified)	Total/NA
6:2 FTS - DL	2800		100	51	ng/L	20		537 (modified)	Total/NA

Client Sample ID: MP-04-EB-202201

Lab Sample ID: 320-84210-51

No Detections.

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-02-(153-195)-202201
Date Collected: 01/21/22 09:46
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-1
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**74**		4.8	2.3	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluoropentanoic acid (PFPeA)	**310**		1.9	0.47	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluorohexanoic acid (PFHxA)	**200**		1.9	0.56	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluoroheptanoic acid (PFHpA)	**100**		1.9	0.24	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluorooctanoic acid (PFOA)	**88**		1.9	0.82	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluorononanoic acid (PFNA)	**17**		1.9	0.26	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluorohexanesulfonic acid (PFHxS)	**0.97**	**J**	1.9	0.55	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluorooctanesulfonic acid (PFOS)	**2.6**		1.9	0.52	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		01/28/22 04:38	01/29/22 06:15	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		01/28/22 04:38	01/29/22 06:15	1
NEtFOSA	<0.84		1.9	0.84	ng/L		01/28/22 04:38	01/29/22 06:15	1
NMeFOSA	<0.41		1.9	0.41	ng/L		01/28/22 04:38	01/29/22 06:15	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		01/28/22 04:38	01/29/22 06:15	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		01/28/22 04:38	01/29/22 06:15	1
NMeFOSE	<1.4		3.9	1.4	ng/L		01/28/22 04:38	01/29/22 06:15	1
NEtFOSE	<0.82		1.9	0.82	ng/L		01/28/22 04:38	01/29/22 06:15	1
4:2 FTS	**3.0**		1.9	0.23	ng/L		01/28/22 04:38	01/29/22 06:15	1
8:2 FTS	**130**		1.9	0.44	ng/L		01/28/22 04:38	01/29/22 06:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		01/28/22 04:38	01/29/22 06:15	1
HFPO-DA (GenX)	<1.4		3.9	1.4	ng/L		01/28/22 04:38	01/29/22 06:15	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		01/28/22 04:38	01/29/22 06:15	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		01/28/22 04:38	01/29/22 06:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*46*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
13C5 PFPeA	*41*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
13C2 PFHxA	*32*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
13C4 PFHpA	*42*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
13C4 PFOA	*46*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
13C5 PFNA	*42*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
13C2 PFDA	*39*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
13C2 PFUnA	*34*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
13C2 PFDoA	*28*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
13C2 PFTeDA	*12*	**5-*	*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
13C3 PFBS	*33*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
18O2 PFHxS	*47*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*

Client Sample ID: MP-02-(153-195)-202201

Date Collected: 01/21/22 09:46
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-1
Matrix: Water

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*43*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
13C8 FOSA	*37*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
d3-NMeFOSAA	*33*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
d5-NEtFOSAA	*37*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
d-N-MeFOSA-M	*19*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
d-N-EtFOSA-M	*18*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
d7-N-MeFOSE-M	*15*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
d9-N-EtFOSE-M	*15*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
M2-4:2 FTS	*40*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
M2-8:2 FTS	*39*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*
13C3 HFPO-DA	*35*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**820**		48	24	ng/L		01/28/22 04:38	02/09/22 09:17	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*54*		*25 - 150*	*01/28/22 04:38*	*02/09/22 09:17*	*10*

Client Sample ID: MP-02-(198-220)-202201

Date Collected: 01/19/22 16:13
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-2
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**30**		5.0	2.4	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluoropentanoic acid (PFPeA)	**130**		2.0	0.49	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluorohexanoic acid (PFHxA)	**81**		2.0	0.58	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluoroheptanoic acid (PFHpA)	**22**		2.0	0.25	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluorooctanoic acid (PFOA)	**23**		2.0	0.85	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluorononanoic acid (PFNA)	**1.7**	**J**	2.0	0.27	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluorooctanesulfonic acid (PFOS)	**0.62**	**J**	2.0	0.54	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		01/28/22 04:38	01/29/22 06:25	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		01/28/22 04:38	01/29/22 06:25	1
NEtFOSA	<0.87		2.0	0.87	ng/L		01/28/22 04:38	01/29/22 06:25	1
NMeFOSA	<0.43		2.0	0.43	ng/L		01/28/22 04:38	01/29/22 06:25	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		01/28/22 04:38	01/29/22 06:25	1

Client Sample ID: MP-02-(198-220)-202201

Date Collected: 01/19/22 16:13
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	<1.3		5.0	1.3	ng/L		01/28/22 04:38	01/29/22 06:25	1
NMeFOSE	<1.4		4.0	1.4	ng/L		01/28/22 04:38	01/29/22 06:25	1
NEtFOSE	<0.85		2.0	0.85	ng/L		01/28/22 04:38	01/29/22 06:25	1
4:2 FTS	**4.8**		2.0	0.24	ng/L		01/28/22 04:38	01/29/22 06:25	1
8:2 FTS	**11**		2.0	0.46	ng/L		01/28/22 04:38	01/29/22 06:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		01/28/22 04:38	01/29/22 06:25	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		01/28/22 04:38	01/29/22 06:25	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		01/28/22 04:38	01/29/22 06:25	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		01/28/22 04:38	01/29/22 06:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*101*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
13C5 PFPeA	*102*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
13C2 PFHxA	*78*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
13C4 PFHpA	*110*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
13C4 PFOA	*109*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
13C5 PFNA	*100*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
13C2 PFDA	*96*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
13C2 PFUnA	*98*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
13C2 PFDoA	*99*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
13C2 PFTeDA	*109*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
13C3 PFBS	*81*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
18O2 PFHxS	*111*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
13C4 PFOS	*105*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
13C8 FOSA	*93*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
d3-NMeFOSAA	*97*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
d5-NEtFOSAA	*117*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
d-N-MeFOSA-M	*77*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
d-N-EtFOSA-M	*76*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
d7-N-MeFOSE-M	*81*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
d9-N-EtFOSE-M	*91*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
M2-4:2 FTS	*90*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
M2-8:2 FTS	*134*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*
13C3 HFPO-DA	*81*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**390**		50	25	ng/L		01/28/22 04:38	02/09/22 07:12	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*102*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:12*	*10*

Client Sample ID: MP-02-(223-250)-202201

Date Collected: 01/19/22 15:54
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-3

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		01/28/22 04:38	01/29/22 06:36	1

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-02-(223-250)-202201
Date Collected: 01/19/22 15:54
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		01/28/22 04:38	01/29/22 06:36	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		01/28/22 04:38	01/29/22 06:36	1
NEtFOSA	<0.86		2.0	0.86	ng/L		01/28/22 04:38	01/29/22 06:36	1
NMeFOSA	<0.43		2.0	0.43	ng/L		01/28/22 04:38	01/29/22 06:36	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		01/28/22 04:38	01/29/22 06:36	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		01/28/22 04:38	01/29/22 06:36	1
NMeFOSE	<1.4		4.0	1.4	ng/L		01/28/22 04:38	01/29/22 06:36	1
NEtFOSE	<0.84		2.0	0.84	ng/L		01/28/22 04:38	01/29/22 06:36	1
4:2 FTS	<0.24		2.0	0.24	ng/L		01/28/22 04:38	01/29/22 06:36	1
6:2 FTS	<2.5		5.0	2.5	ng/L		01/28/22 04:38	01/29/22 06:36	1
8:2 FTS	<0.46		2.0	0.46	ng/L		01/28/22 04:38	01/29/22 06:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		01/28/22 04:38	01/29/22 06:36	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		01/28/22 04:38	01/29/22 06:36	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		01/28/22 04:38	01/29/22 06:36	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		01/28/22 04:38	01/29/22 06:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*98*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*
13C5 PFPeA	*87*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*
13C2 PFHxA	*68*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*
13C4 PFHpA	*96*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*
13C4 PFOA	*99*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*
13C5 PFNA	*97*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*
13C2 PFDA	*86*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*
13C2 PFUnA	*86*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*
13C2 PFDoA	*86*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*
13C2 PFTeDA	*92*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*
13C3 PFBS	*72*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*
18O2 PFHxS	*100*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*
13C4 PFOS	*96*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*
13C8 FOSA	*83*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*
d3-NMeFOSAA	*86*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:36*	*1*

Client Sample ID: MP-02-(223-250)-202201

Lab Sample ID: 320-84210-3

Date Collected: 01/19/22 15:54
Matrix: Water
Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	95		25 - 150	01/28/22 04:38	01/29/22 06:36	1
d-N-MeFOSA-M	73		10 - 150	01/28/22 04:38	01/29/22 06:36	1
d-N-EtFOSA-M	69		10 - 150	01/28/22 04:38	01/29/22 06:36	1
d7-N-MeFOSE-M	78		10 - 150	01/28/22 04:38	01/29/22 06:36	1
d9-N-EtFOSE-M	83		10 - 150	01/28/22 04:38	01/29/22 06:36	1
M2-4:2 FTS	67		25 - 150	01/28/22 04:38	01/29/22 06:36	1
M2-6:2 FTS	114		25 - 150	01/28/22 04:38	01/29/22 06:36	1
M2-8:2 FTS	91		25 - 150	01/28/22 04:38	01/29/22 06:36	1
13C3 HFPO-DA	73		25 - 150	01/28/22 04:38	01/29/22 06:36	1

Client Sample ID: MP-02-(253-276)-202201

Lab Sample ID: 320-84210-4

Date Collected: 01/19/22 15:18
Matrix: Water
Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.2	2.5	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluoropentanoic acid (PFPeA)	**2.0**	**J**	2.1	0.51	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluorohexanoic acid (PFHxA)	**1.3**	**J**	2.1	0.60	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluorooctanoic acid (PFOA)	**0.89**	**J**	2.1	0.89	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.20		2.1	0.20	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		01/28/22 04:38	01/29/22 06:46	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		01/28/22 04:38	01/29/22 06:46	1
NEtFOSA	<0.91		2.1	0.91	ng/L		01/28/22 04:38	01/29/22 06:46	1
NMeFOSA	<0.45		2.1	0.45	ng/L		01/28/22 04:38	01/29/22 06:46	1
NMeFOSAA	<1.3		5.2	1.3	ng/L		01/28/22 04:38	01/29/22 06:46	1
NEtFOSAA	<1.4		5.2	1.4	ng/L		01/28/22 04:38	01/29/22 06:46	1
NMeFOSE	<1.5		4.2	1.5	ng/L		01/28/22 04:38	01/29/22 06:46	1
NEtFOSE	<0.89		2.1	0.89	ng/L		01/28/22 04:38	01/29/22 06:46	1
4:2 FTS	<0.25		2.1	0.25	ng/L		01/28/22 04:38	01/29/22 06:46	1
6:2 FTS	**8.7**		5.2	2.6	ng/L		01/28/22 04:38	01/29/22 06:46	1
8:2 FTS	**1.2**	**J**	2.1	0.48	ng/L		01/28/22 04:38	01/29/22 06:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		01/28/22 04:38	01/29/22 06:46	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		01/28/22 04:38	01/29/22 06:46	1

Client Sample ID: MP-02-(253-276)-202201

Lab Sample ID: 320-84210-4

Date Collected: 01/19/22 15:18

Matrix: Water

Date Received: 01/26/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		01/28/22 04:38	01/29/22 06:46	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		01/28/22 04:38	01/29/22 06:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
13C5 PFPeA	*85*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
13C2 PFHxA	*65*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
13C4 PFHpA	*87*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
13C4 PFOA	*92*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
13C5 PFNA	*92*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
13C2 PFDA	*89*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
13C2 PFUnA	*89*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
13C2 PFDoA	*92*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
13C2 PFTeDA	*106*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
13C3 PFBS	*70*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
18O2 PFHxS	*96*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
13C4 PFOS	*87*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
13C8 FOSA	*87*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
d3-NMeFOSAA	*84*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
d5-NEtFOSAA	*98*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
d-N-MeFOSA-M	*75*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
d-N-EtFOSA-M	*71*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
d7-N-MeFOSE-M	*75*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
d9-N-EtFOSE-M	*77*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
M2-4:2 FTS	*67*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
M2-6:2 FTS	*103*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
M2-8:2 FTS	*121*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*
13C3 HFPO-DA	*74*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:46*	*1*

Client Sample ID: MP-02-(279-300)-202201

Lab Sample ID: 320-84210-5

Date Collected: 01/19/22 14:56

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**15**		4.9	2.3	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluoropentanoic acid (PFPeA)	**50**		1.9	0.48	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluorohexanoic acid (PFHxA)	**38**		1.9	0.57	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluoroheptanoic acid (PFHpA)	**14**		1.9	0.24	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluorooctanoic acid (PFOA)	**15**		1.9	0.83	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluorononanoic acid (PFNA)	**1.5**	**J**	1.9	0.26	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluorododecanoic acid (PFDoA)	<0.54		1.9	0.54	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		1.9	0.56	ng/L		01/28/22 04:38	01/29/22 06:57	1

Client Sample ID: MP-02-(279-300)-202201
Date Collected: 01/19/22 14:56
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		1.9	0.19	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluorooctanesulfonic acid (PFOS)	**0.60**	**J**	1.9	0.53	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		1.9	0.95	ng/L		01/28/22 04:38	01/29/22 06:57	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		01/28/22 04:38	01/29/22 06:57	1
NEtFOSA	<0.85		1.9	0.85	ng/L		01/28/22 04:38	01/29/22 06:57	1
NMeFOSA	<0.42		1.9	0.42	ng/L		01/28/22 04:38	01/29/22 06:57	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		01/28/22 04:38	01/29/22 06:57	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		01/28/22 04:38	01/29/22 06:57	1
NMeFOSE	<1.4		3.9	1.4	ng/L		01/28/22 04:38	01/29/22 06:57	1
NEtFOSE	<0.83		1.9	0.83	ng/L		01/28/22 04:38	01/29/22 06:57	1
4:2 FTS	<0.23		1.9	0.23	ng/L		01/28/22 04:38	01/29/22 06:57	1
6:2 FTS	**240**		4.9	2.4	ng/L		01/28/22 04:38	01/29/22 06:57	1
8:2 FTS	**30**		1.9	0.45	ng/L		01/28/22 04:38	01/29/22 06:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		01/28/22 04:38	01/29/22 06:57	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		01/28/22 04:38	01/29/22 06:57	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		01/28/22 04:38	01/29/22 06:57	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		01/28/22 04:38	01/29/22 06:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
13C5 PFPeA	*87*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
13C2 PFHxA	*65*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
13C4 PFHpA	*91*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
13C4 PFOA	*95*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
13C5 PFNA	*94*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
13C2 PFDA	*89*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
13C2 PFUnA	*92*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
13C2 PFDoA	*76*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
13C2 PFTeDA	*76*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
13C3 PFBS	*69*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
18O2 PFHxS	*99*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
13C4 PFOS	*99*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
13C8 FOSA	*88*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
d5-NEtFOSAA	*112*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
d-N-MeFOSA-M	*67*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
d-N-EtFOSA-M	*61*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
d7-N-MeFOSE-M	*75*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
d9-N-EtFOSE-M	*67*		*10 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
M2-4:2 FTS	*78*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
M2-6:2 FTS	*105*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
M2-8:2 FTS	*130*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*
13C3 HFPO-DA	*71*		*25 - 150*	*01/28/22 04:38*	*01/29/22 06:57*	*1*

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: DUP-03-202201
Date Collected: 01/21/22 00:00
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-6
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**77**		5.1	2.4	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluoropentanoic acid (PFPeA)	**290**		2.0	0.50	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluorohexanoic acid (PFHxA)	**210**		2.0	0.59	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluoroheptanoic acid (PFHpA)	**86**		2.0	0.25	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluorooctanoic acid (PFOA)	**83**		2.0	0.86	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluorononanoic acid (PFNA)	**12**		2.0	0.27	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluorohexanesulfonic acid (PFHxS)	**0.94**	**J**	2.0	0.58	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluorooctanesulfonic acid (PFOS)	**2.3**		2.0	0.55	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		01/28/22 04:38	01/29/22 07:07	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		01/28/22 04:38	01/29/22 07:07	1
NEtFOSA	<0.88		2.0	0.88	ng/L		01/28/22 04:38	01/29/22 07:07	1
NMeFOSA	<0.44		2.0	0.44	ng/L		01/28/22 04:38	01/29/22 07:07	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		01/28/22 04:38	01/29/22 07:07	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		01/28/22 04:38	01/29/22 07:07	1
NMeFOSE	<1.4		4.0	1.4	ng/L		01/28/22 04:38	01/29/22 07:07	1
NEtFOSE	<0.86		2.0	0.86	ng/L		01/28/22 04:38	01/29/22 07:07	1
4:2 FTS	**3.3**		2.0	0.24	ng/L		01/28/22 04:38	01/29/22 07:07	1
8:2 FTS	**130**		2.0	0.47	ng/L		01/28/22 04:38	01/29/22 07:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		01/28/22 04:38	01/29/22 07:07	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		01/28/22 04:38	01/29/22 07:07	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		01/28/22 04:38	01/29/22 07:07	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		01/28/22 04:38	01/29/22 07:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*41*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
13C5 PFPeA	*39*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
13C2 PFHxA	*28*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
13C4 PFHpA	*44*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
13C4 PFOA	*42*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
13C5 PFNA	*40*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
13C2 PFDA	*34*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
13C2 PFUnA	*29*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
13C2 PFDoA	*26*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
13C2 PFTeDA	*14*	**5-*	*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
13C3 PFBS	*30*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
18O2 PFHxS	*42*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*

Client Sample ID: DUP-03-202201

Date Collected: 01/21/22 00:00
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-6
Matrix: Water

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*40*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
13C8 FOSA	*35*		*10 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
d3-NMeFOSAA	*29*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
d5-NEtFOSAA	*32*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
d-N-MeFOSA-M	*22*		*10 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
d-N-EtFOSA-M	*18*		*10 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
d7-N-MeFOSE-M	*17*		*10 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
d9-N-EtFOSE-M	*19*		*10 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
M2-4:2 FTS	*33*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
M2-8:2 FTS	*34*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*
13C3 HFPO-DA	*29*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**1100**		51	25	ng/L		01/28/22 04:38	02/09/22 09:27	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*31*		*25 - 150*	*01/28/22 04:38*	*02/09/22 09:27*	*10*

Client Sample ID: MP-02-EB-202201

Date Collected: 01/21/22 11:20
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-7
Matrix: Water

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		01/28/22 04:38	02/09/22 06:51	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		01/28/22 04:38	02/09/22 06:51	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		01/28/22 04:38	02/09/22 06:51	1
NEtFOSA	<0.83		1.9	0.83	ng/L		01/28/22 04:38	02/09/22 06:51	1
NMeFOSA	<0.41		1.9	0.41	ng/L		01/28/22 04:38	02/09/22 06:51	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		01/28/22 04:38	02/09/22 06:51	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		01/28/22 04:38	02/09/22 06:51	1

Client Sample ID: MP-02-EB-202201

Lab Sample ID: 320-84210-7

Date Collected: 01/21/22 11:20

Matrix: Water

Date Received: 01/26/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	<1.3		3.8	1.3	ng/L		01/28/22 04:38	02/09/22 06:51	1
NEtFOSE	<0.81		1.9	0.81	ng/L		01/28/22 04:38	02/09/22 06:51	1
4:2 FTS	<0.23		1.9	0.23	ng/L		01/28/22 04:38	02/09/22 06:51	1
6:2 FTS	<2.4		4.8	2.4	ng/L		01/28/22 04:38	02/09/22 06:51	1
8:2 FTS	<0.44		1.9	0.44	ng/L		01/28/22 04:38	02/09/22 06:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		01/28/22 04:38	02/09/22 06:51	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		01/28/22 04:38	02/09/22 06:51	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		01/28/22 04:38	02/09/22 06:51	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		01/28/22 04:38	02/09/22 06:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
13C5 PFPeA	*101*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
13C2 PFHxA	*99*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
13C4 PFHpA	*96*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
13C4 PFOA	*89*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
13C5 PFNA	*103*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
13C2 PFDA	*103*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
13C2 PFUnA	*99*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
13C2 PFDoA	*74*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
13C2 PFTeDA	*98*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
13C3 PFBS	*99*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
18O2 PFHxS	*96*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
13C4 PFOS	*109*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
13C8 FOSA	*94*		*10 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
d3-NMeFOSAA	*109*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
d5-NEtFOSAA	*123*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
d-N-MeFOSA-M	*85*		*10 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
d-N-EtFOSA-M	*79*		*10 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
d7-N-MeFOSE-M	*77*		*10 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
d9-N-EtFOSE-M	*72*		*10 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
M2-4:2 FTS	*93*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
M2-6:2 FTS	*82*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
M2-8:2 FTS	*116*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
13C3 HFPO-DA	*90*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*
13C2 10:2 FTS	*106*		*25 - 150*	*01/28/22 04:38*	*02/09/22 06:51*	*1*

Client Sample ID: MP-05-(SWL-065)-202201

Lab Sample ID: 320-84210-8

Date Collected: 01/24/22 13:50

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**150**		5.9	2.8	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluorohexanoic acid (PFHxA)	**400**		2.4	0.69	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluoroheptanoic acid (PFHpA)	**110**		2.4	0.30	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluorooctanoic acid (PFOA)	**96**		2.4	1.0	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluorononanoic acid (PFNA)	**3.8**		2.4	0.32	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluorodecanoic acid (PFDA)	<0.37		2.4	0.37	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		01/28/22 04:38	01/29/22 07:59	1

Client Sample ID: MP-05-(SWL-065)-202201
Date Collected: 01/24/22 13:50
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	<0.65		2.4	0.65	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.4	1.5	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.86		2.4	0.86	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluorobutanesulfonic acid (PFBS)	**8.2**		2.4	0.24	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluoropentanesulfonic acid (PFPeS)	**0.82**	**J**	2.4	0.36	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluorohexanesulfonic acid (PFHxS)	**4.0**		2.4	0.68	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.23		2.4	0.23	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluorooctanesulfonic acid (PFOS)	**1.8**	**J**	2.4	0.64	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluorononanesulfonic acid (PFNS)	<0.44		2.4	0.44	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.38		2.4	0.38	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.4	1.1	ng/L		01/28/22 04:38	01/29/22 07:59	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		01/28/22 04:38	01/29/22 07:59	1
NEtFOSA	<1.0		2.4	1.0	ng/L		01/28/22 04:38	01/29/22 07:59	1
NMeFOSA	<0.51		2.4	0.51	ng/L		01/28/22 04:38	01/29/22 07:59	1
NMeFOSAA	<1.4		5.9	1.4	ng/L		01/28/22 04:38	01/29/22 07:59	1
NEtFOSAA	<1.5		5.9	1.5	ng/L		01/28/22 04:38	01/29/22 07:59	1
NMeFOSE	<1.7		4.7	1.7	ng/L		01/28/22 04:38	01/29/22 07:59	1
NEtFOSE	<1.0		2.4	1.0	ng/L		01/28/22 04:38	01/29/22 07:59	1
4:2 FTS	**34**		2.4	0.28	ng/L		01/28/22 04:38	01/29/22 07:59	1
8:2 FTS	**24**		2.4	0.55	ng/L		01/28/22 04:38	01/29/22 07:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.47		2.4	0.47	ng/L		01/28/22 04:38	01/29/22 07:59	1
HFPO-DA (GenX)	<1.8		4.7	1.8	ng/L		01/28/22 04:38	01/29/22 07:59	1
9Cl-PF3ONS	<0.28		2.4	0.28	ng/L		01/28/22 04:38	01/29/22 07:59	1
11Cl-PF3OUdS	<0.38		2.4	0.38	ng/L		01/28/22 04:38	01/29/22 07:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*52*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
13C2 PFHxA	*47*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
13C4 PFHpA	*62*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
13C4 PFOA	*60*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
13C5 PFNA	*62*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
13C2 PFDA	*54*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
13C2 PFUnA	*50*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
13C2 PFDoA	*40*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
13C2 PFTeDA	*31*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
13C3 PFBS	*48*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
18O2 PFHxS	*63*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
13C4 PFOS	*60*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
13C8 FOSA	*52*		*10 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
d3-NMeFOSAA	*48*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
d5-NEtFOSAA	*49*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
d-N-MeFOSA-M	*34*		*10 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
d-N-EtFOSA-M	*29*		*10 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
d7-N-MeFOSE-M	*32*		*10 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
d9-N-EtFOSE-M	*36*		*10 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*

Client Sample ID: MP-05-(SWL-065)-202201

Lab Sample ID: 320-84210-8

Date Collected: 01/24/22 13:50

Matrix: Water

Date Received: 01/26/22 10:00

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-4:2 FTS	*59*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
M2-8:2 FTS	*59*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*
13C3 HFPO-DA	*48*		*25 - 150*	*01/28/22 04:38*	*01/29/22 07:59*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**450**		24	5.8	ng/L		01/28/22 04:38	02/09/22 07:22	10
6:2 FTS	**1700**		59	30	ng/L		01/28/22 04:38	02/09/22 07:22	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFPeA	*71*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:22*	*10*
M2-6:2 FTS	*54*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:22*	*10*

Client Sample ID: DUP-06-202201

Lab Sample ID: 320-84210-9

Date Collected: 01/24/22 00:00

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**150**		5.7	2.8	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluorohexanoic acid (PFHxA)	**420**		2.3	0.67	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluoroheptanoic acid (PFHpA)	**110**		2.3	0.29	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluorooctanoic acid (PFOA)	**98**		2.3	0.98	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluorononanoic acid (PFNA)	**4.9**		2.3	0.31	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluorododecanoic acid (PFDoA)	<0.63		2.3	0.63	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluorotetradecanoic acid (PFTeA)	<0.84		2.3	0.84	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluorobutanesulfonic acid (PFBS)	**8.0**		2.3	0.23	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluoropentanesulfonic acid (PFPeS)	<0.34		2.3	0.34	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluorohexanesulfonic acid (PFHxS)	**4.4**		2.3	0.66	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.22		2.3	0.22	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluorooctanesulfonic acid (PFOS)	**2.2**	**J**	2.3	0.62	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		01/28/22 04:38	01/29/22 08:10	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		01/28/22 04:38	01/29/22 08:10	1
NEtFOSA	<1.0		2.3	1.0	ng/L		01/28/22 04:38	01/29/22 08:10	1
NMeFOSA	<0.49		2.3	0.49	ng/L		01/28/22 04:38	01/29/22 08:10	1
NMeFOSAA	<1.4		5.7	1.4	ng/L		01/28/22 04:38	01/29/22 08:10	1
NEtFOSAA	<1.5		5.7	1.5	ng/L		01/28/22 04:38	01/29/22 08:10	1
NMeFOSE	<1.6		4.6	1.6	ng/L		01/28/22 04:38	01/29/22 08:10	1
NEtFOSE	<0.98		2.3	0.98	ng/L		01/28/22 04:38	01/29/22 08:10	1
4:2 FTS	**39**		2.3	0.28	ng/L		01/28/22 04:38	01/29/22 08:10	1
8:2 FTS	**33**		2.3	0.53	ng/L		01/28/22 04:38	01/29/22 08:10	1

Client Sample ID: DUP-06-202201

Lab Sample ID: 320-84210-9

Date Collected: 01/24/22 00:00

Matrix: Water

Date Received: 01/26/22 10:00

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)	<0.46		2.3	0.46	ng/L		01/28/22 04:38	01/29/22 08:10	1
HFPO-DA (GenX)	<1.7		4.6	1.7	ng/L		01/28/22 04:38	01/29/22 08:10	1
9Cl-PF3ONS	<0.28		2.3	0.28	ng/L		01/28/22 04:38	01/29/22 08:10	1
11Cl-PF3OUdS	<0.37		2.3	0.37	ng/L		01/28/22 04:38	01/29/22 08:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*49*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
13C2 PFHxA	*43*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
13C4 PFHpA	*58*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
13C4 PFOA	*59*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
13C5 PFNA	*60*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
13C2 PFDA	*54*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
13C2 PFUnA	*46*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
13C2 PFDoA	*45*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
13C2 PFTeDA	*40*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
13C3 PFBS	*44*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
18O2 PFHxS	*59*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
13C4 PFOS	*57*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
13C8 FOSA	*51*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
d3-NMeFOSAA	*47*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
d5-NEtFOSAA	*49*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
d-N-MeFOSA-M	*36*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
d-N-EtFOSA-M	*33*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
d7-N-MeFOSE-M	*37*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
d9-N-EtFOSE-M	*39*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
M2-4:2 FTS	*52*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
M2-8:2 FTS	*57*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*
13C3 HFPO-DA	*45*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**570**		23	5.6	ng/L		01/28/22 04:38	02/09/22 07:33	10
6:2 FTS	**1700**		57	29	ng/L		01/28/22 04:38	02/09/22 07:33	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFPeA	*55*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:33*	*10*
M2-6:2 FTS	*57*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:33*	*10*

Client Sample ID: MP-05-EB-202201

Lab Sample ID: 320-84210-10

Date Collected: 01/24/22 14:10

Matrix: Water

Date Received: 01/26/22 10:00

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		01/28/22 04:38	01/29/22 08:20	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		01/28/22 04:38	01/29/22 08:20	1

Client Sample ID: MP-05-EB-202201
Date Collected: 01/24/22 14:10
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-10
Matrix: Water

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		01/28/22 04:38	01/29/22 08:20	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		01/28/22 04:38	01/29/22 08:20	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		01/28/22 04:38	01/29/22 08:20	1
NEtFOSA	<0.82		1.9	0.82	ng/L		01/28/22 04:38	01/29/22 08:20	1
NMeFOSA	<0.41		1.9	0.41	ng/L		01/28/22 04:38	01/29/22 08:20	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		01/28/22 04:38	01/29/22 08:20	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		01/28/22 04:38	01/29/22 08:20	1
NMeFOSE	<1.3		3.8	1.3	ng/L		01/28/22 04:38	01/29/22 08:20	1
NEtFOSE	<0.80		1.9	0.80	ng/L		01/28/22 04:38	01/29/22 08:20	1
4:2 FTS	<0.23		1.9	0.23	ng/L		01/28/22 04:38	01/29/22 08:20	1
6:2 FTS	<2.4		4.7	2.4	ng/L		01/28/22 04:38	01/29/22 08:20	1
8:2 FTS	<0.43		1.9	0.43	ng/L		01/28/22 04:38	01/29/22 08:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		01/28/22 04:38	01/29/22 08:20	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		01/28/22 04:38	01/29/22 08:20	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		01/28/22 04:38	01/29/22 08:20	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		01/28/22 04:38	01/29/22 08:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
13C5 PFPeA	*81*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
13C2 PFHxA	*64*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
13C4 PFHpA	*91*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
13C4 PFOA	*88*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
13C5 PFNA	*89*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
13C2 PFDA	*78*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
13C2 PFUnA	*78*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
13C2 PFDoA	*80*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
13C3 PFBS	*63*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
18O2 PFHxS	*95*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
13C4 PFOS	*93*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
13C8 FOSA	*80*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
d3-NMeFOSAA	*76*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
d5-NEtFOSAA	*89*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
d-N-MeFOSA-M	*68*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
d-N-EtFOSA-M	*67*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*
d7-N-MeFOSE-M	*73*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:20*	*1*

Client Sample ID: MP-05-EB-202201

Lab Sample ID: 320-84210-10

Date Collected: 01/24/22 14:10
Matrix: Water
Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d9-N-EtFOSE-M	75		10 - 150	01/28/22 04:38	01/29/22 08:20	1
M2-4:2 FTS	69		25 - 150	01/28/22 04:38	01/29/22 08:20	1
M2-6:2 FTS	92		25 - 150	01/28/22 04:38	01/29/22 08:20	1
M2-8:2 FTS	88		25 - 150	01/28/22 04:38	01/29/22 08:20	1
13C3 HFPO-DA	63		25 - 150	01/28/22 04:38	01/29/22 08:20	1

Client Sample ID: MP-01-(051-088)-202201

Lab Sample ID: 320-84210-11

Date Collected: 01/21/22 15:30
Matrix: Water
Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**280**		6.1	2.9	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluoroheptanoic acid (PFHpA)	**410**		2.4	0.30	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluorononanoic acid (PFNA)	**36**		2.4	0.33	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluorodecanoic acid (PFDA)	**10**		2.4	0.38	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.4	1.3	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluorododecanoic acid (PFDoA)	<0.67		2.4	0.67	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluorotridecanoic acid (PFTrDA)	<1.6		2.4	1.6	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.89		2.4	0.89	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluorobutanesulfonic acid (PFBS)	**0.48**	**J**	2.4	0.24	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.37		2.4	0.37	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluorohexanesulfonic acid (PFHxS)	**3.3**		2.4	0.70	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.23		2.4	0.23	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluorooctanesulfonic acid (PFOS)	**8.6**		2.4	0.66	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluorononanesulfonic acid (PFNS)	<0.45		2.4	0.45	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.39		2.4	0.39	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluorododecanesulfonic acid (PFDoS)	<1.2		2.4	1.2	ng/L		01/28/22 04:38	01/29/22 08:31	1
Perfluorooctanesulfonamide (FOSA)	<1.2		2.4	1.2	ng/L		01/28/22 04:38	01/29/22 08:31	1
NEtFOSA	<1.1		2.4	1.1	ng/L		01/28/22 04:38	01/29/22 08:31	1
NMeFOSA	<0.52		2.4	0.52	ng/L		01/28/22 04:38	01/29/22 08:31	1
NMeFOSAA	<1.5		6.1	1.5	ng/L		01/28/22 04:38	01/29/22 08:31	1
NEtFOSAA	<1.6		6.1	1.6	ng/L		01/28/22 04:38	01/29/22 08:31	1
NMeFOSE	<1.7		4.9	1.7	ng/L		01/28/22 04:38	01/29/22 08:31	1
NEtFOSE	<1.0		2.4	1.0	ng/L		01/28/22 04:38	01/29/22 08:31	1
4:2 FTS	**62**		2.4	0.29	ng/L		01/28/22 04:38	01/29/22 08:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.49		2.4	0.49	ng/L		01/28/22 04:38	01/29/22 08:31	1
HFPO-DA (GenX)	<1.8		4.9	1.8	ng/L		01/28/22 04:38	01/29/22 08:31	1
9Cl-PF3ONS	<0.29		2.4	0.29	ng/L		01/28/22 04:38	01/29/22 08:31	1
11Cl-PF3OUdS	<0.39		2.4	0.39	ng/L		01/28/22 04:38	01/29/22 08:31	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150	01/28/22 04:38	01/29/22 08:31	1
13C4 PFHpA	98		25 - 150	01/28/22 04:38	01/29/22 08:31	1
13C5 PFNA	93		25 - 150	01/28/22 04:38	01/29/22 08:31	1

Client Sample ID: MP-01-(051-088)-202201

Date Collected: 01/21/22 15:30
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-11
Matrix: Water

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*80*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
13C2 PFUnA	*82*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
13C2 PFDoA	*84*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
13C2 PFTeDA	*85*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
13C3 PFBS	*73*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
18O2 PFHxS	*104*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
13C4 PFOS	*94*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
13C8 FOSA	*83*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
d3-NMeFOSAA	*82*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
d5-NEtFOSAA	*94*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
d-N-MeFOSA-M	*73*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
d-N-EtFOSA-M	*72*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
d7-N-MeFOSE-M	*75*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
d9-N-EtFOSE-M	*81*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
M2-4:2 FTS	*63*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*
13C3 HFPO-DA	*78*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**1000**		49	12	ng/L		01/28/22 04:38	02/11/22 23:38	20
Perfluorohexanoic acid (PFHxA)	**900**		49	14	ng/L		01/28/22 04:38	02/11/22 23:38	20
Perfluorooctanoic acid (PFOA)	**680**		49	21	ng/L		01/28/22 04:38	02/11/22 23:38	20
6:2 FTS	**5000**		120	61	ng/L		01/28/22 04:38	02/11/22 23:38	20
8:2 FTS	**1200**		49	11	ng/L		01/28/22 04:38	02/11/22 23:38	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFPeA	*118*		*25 - 150*	*01/28/22 04:38*	*02/11/22 23:38*	*20*
13C2 PFHxA	*106*		*25 - 150*	*01/28/22 04:38*	*02/11/22 23:38*	*20*
13C4 PFOA	*102*		*25 - 150*	*01/28/22 04:38*	*02/11/22 23:38*	*20*
M2-6:2 FTS	*153*	*5+*	*25 - 150*	*01/28/22 04:38*	*02/11/22 23:38*	*20*
M2-8:2 FTS	*104*		*25 - 150*	*01/28/22 04:38*	*02/11/22 23:38*	*20*

Client Sample ID: MP-01-(091-118)-202201

Date Collected: 01/21/22 15:19
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-12
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**140**		5.6	2.7	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluoroheptanoic acid (PFHpA)	**190**		2.2	0.28	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluorooctanoic acid (PFOA)	**320**		2.2	0.95	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluorononanoic acid (PFNA)	**16**		2.2	0.30	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluorodecanoic acid (PFDA)	**2.8**		2.2	0.35	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.2	1.2	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluorododecanoic acid (PFDoA)	<0.61		2.2	0.61	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.2	1.4	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.81		2.2	0.81	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluorobutanesulfonic acid (PFBS)	**0.40**	**J**	2.2	0.22	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluoropentanesulfonic acid (PFPeS)	<0.33		2.2	0.33	ng/L		01/28/22 04:38	01/29/22 08:41	1

Client Sample ID: MP-01-(091-118)-202201
Date Collected: 01/21/22 15:19
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	**2.4**		2.2	0.63	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.21		2.2	0.21	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluorooctanesulfonic acid (PFOS)	**4.3**		2.2	0.60	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluorononanesulfonic acid (PFNS)	<0.41		2.2	0.41	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.2	0.36	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.2	1.1	ng/L		01/28/22 04:38	01/29/22 08:41	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.2	1.1	ng/L		01/28/22 04:38	01/29/22 08:41	1
NEtFOSA	<0.97		2.2	0.97	ng/L		01/28/22 04:38	01/29/22 08:41	1
NMeFOSA	<0.48		2.2	0.48	ng/L		01/28/22 04:38	01/29/22 08:41	1
NMeFOSAA	<1.3		5.6	1.3	ng/L		01/28/22 04:38	01/29/22 08:41	1
NEtFOSAA	<1.4		5.6	1.4	ng/L		01/28/22 04:38	01/29/22 08:41	1
NMeFOSE	<1.6		4.5	1.6	ng/L		01/28/22 04:38	01/29/22 08:41	1
NEtFOSE	<0.95		2.2	0.95	ng/L		01/28/22 04:38	01/29/22 08:41	1
4:2 FTS	**33**		2.2	0.27	ng/L		01/28/22 04:38	01/29/22 08:41	1
8:2 FTS	**340**		2.2	0.51	ng/L		01/28/22 04:38	01/29/22 08:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.2	0.45	ng/L		01/28/22 04:38	01/29/22 08:41	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		01/28/22 04:38	01/29/22 08:41	1
9Cl-PF3ONS	<0.27		2.2	0.27	ng/L		01/28/22 04:38	01/29/22 08:41	1
11Cl-PF3OUdS	<0.36		2.2	0.36	ng/L		01/28/22 04:38	01/29/22 08:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
13C4 PFHpA	*87*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
13C4 PFOA	*86*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
13C5 PFNA	*92*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
13C2 PFDA	*88*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
13C2 PFUnA	*88*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
13C2 PFDoA	*84*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
13C2 PFTeDA	*89*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
13C3 PFBS	*75*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
18O2 PFHxS	*95*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
13C4 PFOS	*95*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
13C8 FOSA	*87*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
d3-NMeFOSAA	*88*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
d5-NEtFOSAA	*96*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
d-N-MeFOSA-M	*80*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
d-N-EtFOSA-M	*78*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
d7-N-MeFOSE-M	*71*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
d9-N-EtFOSE-M	*73*		*10 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
M2-4:2 FTS	*68*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
M2-8:2 FTS	*124*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*
13C3 HFPO-DA	*75*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**600**		45	11	ng/L		01/28/22 04:38	02/11/22 23:48	20
Perfluorohexanoic acid (PFHxA)	**420**		45	13	ng/L		01/28/22 04:38	02/11/22 23:48	20

Client Sample ID: MP-01-(091-118)-202201

Lab Sample ID: 320-84210-12

Date Collected: 01/21/22 15:19

Matrix: Water

Date Received: 01/26/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**3800**		110	56	ng/L		01/28/22 04:38	02/11/22 23:48	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFPeA	*102*		*25 - 150*	*01/28/22 04:38*	*02/11/22 23:48*	*20*
13C2 PFHxA	*111*		*25 - 150*	*01/28/22 04:38*	*02/11/22 23:48*	*20*
M2-6:2 FTS	*123*		*25 - 150*	*01/28/22 04:38*	*02/11/22 23:48*	*20*

Client Sample ID: MP-01-(121-152)-202201

Lab Sample ID: 320-84210-13

Date Collected: 01/21/22 15:05

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**350**		5.3	2.5	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluoroheptanoic acid (PFHpA)	**400**		2.1	0.26	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluorononanoic acid (PFNA)	**46**		2.1	0.28	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluorodecanoic acid (PFDA)	**3.2**		2.1	0.33	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluorobutanesulfonic acid (PFBS)	**0.71**	**J**	2.1	0.21	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluoropentanesulfonic acid (PFPeS)	**0.72**	**J**	2.1	0.32	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluorohexanesulfonic acid (PFHxS)	**5.6**		2.1	0.60	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.20		2.1	0.20	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluorooctanesulfonic acid (PFOS)	**15**		2.1	0.57	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		01/28/22 04:38	01/29/22 08:51	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		01/28/22 04:38	01/29/22 08:51	1
NEtFOSA	<0.91		2.1	0.91	ng/L		01/28/22 04:38	01/29/22 08:51	1
NMeFOSA	<0.45		2.1	0.45	ng/L		01/28/22 04:38	01/29/22 08:51	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		01/28/22 04:38	01/29/22 08:51	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		01/28/22 04:38	01/29/22 08:51	1
NMeFOSE	<1.5		4.2	1.5	ng/L		01/28/22 04:38	01/29/22 08:51	1
NEtFOSE	<0.89		2.1	0.89	ng/L		01/28/22 04:38	01/29/22 08:51	1
4:2 FTS	**86**		2.1	0.25	ng/L		01/28/22 04:38	01/29/22 08:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		01/28/22 04:38	01/29/22 08:51	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		01/28/22 04:38	01/29/22 08:51	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		01/28/22 04:38	01/29/22 08:51	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		01/28/22 04:38	01/29/22 08:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*127*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:51*	*1*
13C4 PFHpA	*138*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:51*	*1*
13C5 PFNA	*135*		*25 - 150*	*01/28/22 04:38*	*01/29/22 08:51*	*1*

Client Sample ID: MP-01-(121-152)-202201

Date Collected: 01/21/22 15:05
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-13
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	120		25 - 150	01/28/22 04:38	01/29/22 08:51	1
13C2 PFUnA	114		25 - 150	01/28/22 04:38	01/29/22 08:51	1
13C2 PFDoA	115		25 - 150	01/28/22 04:38	01/29/22 08:51	1
13C2 PFTeDA	126		25 - 150	01/28/22 04:38	01/29/22 08:51	1
13C3 PFBS	97		25 - 150	01/28/22 04:38	01/29/22 08:51	1
18O2 PFHxS	137		25 - 150	01/28/22 04:38	01/29/22 08:51	1
13C4 PFOS	129		25 - 150	01/28/22 04:38	01/29/22 08:51	1
13C8 FOSA	123		10 - 150	01/28/22 04:38	01/29/22 08:51	1
d3-NMeFOSAA	113		25 - 150	01/28/22 04:38	01/29/22 08:51	1
d5-NEtFOSAA	124		25 - 150	01/28/22 04:38	01/29/22 08:51	1
d-N-MeFOSA-M	98		10 - 150	01/28/22 04:38	01/29/22 08:51	1
d-N-EtFOSA-M	97		10 - 150	01/28/22 04:38	01/29/22 08:51	1
d7-N-MeFOSE-M	105		10 - 150	01/28/22 04:38	01/29/22 08:51	1
d9-N-EtFOSE-M	115		10 - 150	01/28/22 04:38	01/29/22 08:51	1
M2-4:2 FTS	91		25 - 150	01/28/22 04:38	01/29/22 08:51	1
13C3 HFPO-DA	101		25 - 150	01/28/22 04:38	01/29/22 08:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**1200**		110	26	ng/L		01/28/22 04:38	02/09/22 08:56	50
Perfluorohexanoic acid (PFHxA)	**980**		110	30	ng/L		01/28/22 04:38	02/09/22 08:56	50
Perfluorooctanoic acid (PFOA)	**880**		110	45	ng/L		01/28/22 04:38	02/09/22 08:56	50
6:2 FTS	**5800**		260	130	ng/L		01/28/22 04:38	02/09/22 08:56	50
8:2 FTS	**520**		110	24	ng/L		01/28/22 04:38	02/09/22 08:56	50

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	101		25 - 150	01/28/22 04:38	02/09/22 08:56	50
13C2 PFHxA	96		25 - 150	01/28/22 04:38	02/09/22 08:56	50
13C4 PFOA	86		25 - 150	01/28/22 04:38	02/09/22 08:56	50
M2-6:2 FTS	195	*5+	25 - 150	01/28/22 04:38	02/09/22 08:56	50
M2-8:2 FTS	92		25 - 150	01/28/22 04:38	02/09/22 08:56	50

Client Sample ID: MP-01-(155-195)-202201

Date Collected: 01/21/22 14:50
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-14
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**310**		5.6	2.7	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluoroheptanoic acid (PFHpA)	**360**		2.3	0.28	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluorononanoic acid (PFNA)	**41**		2.3	0.30	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluorodecanoic acid (PFDA)	**2.8**		2.3	0.35	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.3	1.2	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluorododecanoic acid (PFDoA)	<0.62		2.3	0.62	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.82		2.3	0.82	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluorobutanesulfonic acid (PFBS)	**0.76**	**J**	2.3	0.23	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluoropentanesulfonic acid (PFPeS)	**0.70**	**J**	2.3	0.34	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluorohexanesulfonic acid (PFHxS)	**5.0**		2.3	0.64	ng/L		01/28/22 04:38	01/29/22 09:02	1

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-01-(155-195)-202201
Date Collected: 01/21/22 14:50
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic Acid (PFHpS)	<0.21		2.3	0.21	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluorooctanesulfonic acid (PFOS)	**13**		2.3	0.61	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluorononanesulfonic acid (PFNS)	<0.42		2.3	0.42	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.36		2.3	0.36	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		01/28/22 04:38	01/29/22 09:02	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		01/28/22 04:38	01/29/22 09:02	1
NEtFOSA	<0.98		2.3	0.98	ng/L		01/28/22 04:38	01/29/22 09:02	1
NMeFOSA	<0.49		2.3	0.49	ng/L		01/28/22 04:38	01/29/22 09:02	1
NMeFOSAA	<1.4		5.6	1.4	ng/L		01/28/22 04:38	01/29/22 09:02	1
NEtFOSAA	<1.5		5.6	1.5	ng/L		01/28/22 04:38	01/29/22 09:02	1
NMeFOSE	<1.6		4.5	1.6	ng/L		01/28/22 04:38	01/29/22 09:02	1
NEtFOSE	<0.96		2.3	0.96	ng/L		01/28/22 04:38	01/29/22 09:02	1
4:2 FTS	**71**		2.3	0.27	ng/L		01/28/22 04:38	01/29/22 09:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.45		2.3	0.45	ng/L		01/28/22 04:38	01/29/22 09:02	1
HFPO-DA (GenX)	<1.7		4.5	1.7	ng/L		01/28/22 04:38	01/29/22 09:02	1
9Cl-PF3ONS	<0.27		2.3	0.27	ng/L		01/28/22 04:38	01/29/22 09:02	1
11Cl-PF3OUdS	<0.36		2.3	0.36	ng/L		01/28/22 04:38	01/29/22 09:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*132*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
13C4 PFHpA	*133*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
13C5 PFNA	*128*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
13C2 PFDA	*117*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
13C2 PFUnA	*113*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
13C2 PFDoA	*114*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
13C2 PFTeDA	*131*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
13C3 PFBS	*103*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
18O2 PFHxS	*138*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
13C4 PFOS	*132*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
13C8 FOSA	*121*		*10 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
d3-NMeFOSAA	*113*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
d5-NEtFOSAA	*125*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
d-N-MeFOSA-M	*95*		*10 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
d-N-EtFOSA-M	*94*		*10 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
d7-N-MeFOSE-M	*95*		*10 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
d9-N-EtFOSE-M	*100*		*10 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
M2-4:2 FTS	*97*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*
13C3 HFPO-DA	*93*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**1200**		110	28	ng/L		01/28/22 04:38	02/09/22 09:06	50
Perfluorohexanoic acid (PFHxA)	**1100**		110	33	ng/L		01/28/22 04:38	02/09/22 09:06	50
Perfluorooctanoic acid (PFOA)	**700**		110	48	ng/L		01/28/22 04:38	02/09/22 09:06	50
6:2 FTS	**6300**		280	140	ng/L		01/28/22 04:38	02/09/22 09:06	50
8:2 FTS	**480**		110	26	ng/L		01/28/22 04:38	02/09/22 09:06	50

Client Sample ID: MP-01-(155-195)-202201

Lab Sample ID: 320-84210-14

Date Collected: 01/21/22 14:50

Matrix: Water

Date Received: 01/26/22 10:00

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	100		25 - 150	01/28/22 04:38	02/09/22 09:06	50
13C2 PFHxA	92		25 - 150	01/28/22 04:38	02/09/22 09:06	50
13C4 PFOA	95		25 - 150	01/28/22 04:38	02/09/22 09:06	50
M2-6:2 FTS	203	*5+	25 - 150	01/28/22 04:38	02/09/22 09:06	50
M2-8:2 FTS	72		25 - 150	01/28/22 04:38	02/09/22 09:06	50

Client Sample ID: MP-01-(198-220)-202201

Lab Sample ID: 320-84210-15

Date Collected: 01/21/22 14:02

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**190**		5.3	2.6	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluoroheptanoic acid (PFHpA)	**210**		2.1	0.27	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluorooctanoic acid (PFOA)	**410**		2.1	0.91	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluorononanoic acid (PFNA)	**22**		2.1	0.29	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluorodecanoic acid (PFDA)	**2.7**		2.1	0.33	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluorododecanoic acid (PFDoA)	<0.59		2.1	0.59	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.78		2.1	0.78	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluorobutanesulfonic acid (PFBS)	**0.47**	**J**	2.1	0.21	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluorohexanesulfonic acid (PFHxS)	**3.4**		2.1	0.61	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.20		2.1	0.20	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluorooctanesulfonic acid (PFOS)	**7.0**		2.1	0.58	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		01/28/22 04:38	01/29/22 09:12	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		01/28/22 04:38	01/29/22 09:12	1
NEtFOSA	<0.93		2.1	0.93	ng/L		01/28/22 04:38	01/29/22 09:12	1
NMeFOSA	<0.46		2.1	0.46	ng/L		01/28/22 04:38	01/29/22 09:12	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		01/28/22 04:38	01/29/22 09:12	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		01/28/22 04:38	01/29/22 09:12	1
NMeFOSE	<1.5		4.3	1.5	ng/L		01/28/22 04:38	01/29/22 09:12	1
NEtFOSE	<0.91		2.1	0.91	ng/L		01/28/22 04:38	01/29/22 09:12	1
4:2 FTS	**44**		2.1	0.26	ng/L		01/28/22 04:38	01/29/22 09:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.43		2.1	0.43	ng/L		01/28/22 04:38	01/29/22 09:12	1
HFPO-DA (GenX)	<1.6		4.3	1.6	ng/L		01/28/22 04:38	01/29/22 09:12	1
9Cl-PF3ONS	<0.26		2.1	0.26	ng/L		01/28/22 04:38	01/29/22 09:12	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		01/28/22 04:38	01/29/22 09:12	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	01/28/22 04:38	01/29/22 09:12	1
13C4 PFHpA	105		25 - 150	01/28/22 04:38	01/29/22 09:12	1
13C4 PFOA	94		25 - 150	01/28/22 04:38	01/29/22 09:12	1

Client Sample ID: MP-01-(198-220)-202201

Lab Sample ID: 320-84210-15

Date Collected: 01/21/22 14:02

Matrix: Water

Date Received: 01/26/22 10:00

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFNA	*105*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
13C2 PFDA	*95*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
13C2 PFUnA	*98*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
13C2 PFDoA	*93*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
13C2 PFTeDA	*109*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
13C3 PFBS	*73*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
18O2 PFHxS	*113*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
13C4 PFOS	*101*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
13C8 FOSA	*94*		*10 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
d3-NMeFOSAA	*88*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
d5-NEtFOSAA	*110*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
d-N-MeFOSA-M	*87*		*10 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
d-N-EtFOSA-M	*77*		*10 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
d7-N-MeFOSE-M	*80*		*10 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
d9-N-EtFOSE-M	*92*		*10 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
M2-4:2 FTS	*76*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*
13C3 HFPO-DA	*83*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**730**		43	10	ng/L		01/28/22 04:38	02/09/22 08:35	20
Perfluorohexanoic acid (PFHxA)	**650**		43	12	ng/L		01/28/22 04:38	02/09/22 08:35	20
6:2 FTS	**4300**		110	53	ng/L		01/28/22 04:38	02/09/22 08:35	20
8:2 FTS	**400**		43	9.8	ng/L		01/28/22 04:38	02/09/22 08:35	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFPeA	*106*		*25 - 150*	*01/28/22 04:38*	*02/09/22 08:35*	*20*
13C2 PFHxA	*93*		*25 - 150*	*01/28/22 04:38*	*02/09/22 08:35*	*20*
M2-6:2 FTS	*134*		*25 - 150*	*01/28/22 04:38*	*02/09/22 08:35*	*20*
M2-8:2 FTS	*99*		*25 - 150*	*01/28/22 04:38*	*02/09/22 08:35*	*20*

Client Sample ID: MP-01-(223-250)-202201

Lab Sample ID: 320-84210-16

Date Collected: 01/21/22 13:43

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.1	2.4	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluoropentanoic acid (PFPeA)	<0.50		2.0	0.50	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluorohexanoic acid (PFHxA)	<0.59		2.0	0.59	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluorooctanoic acid (PFOA)	<0.86		2.0	0.86	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		01/28/22 04:38	02/09/22 07:01	1

Client Sample ID: MP-01-(223-250)-202201
Date Collected: 01/21/22 13:43
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-16
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	<0.58		2.0	0.58	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.55		2.0	0.55	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		01/28/22 04:38	02/09/22 07:01	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.0	1.0	ng/L		01/28/22 04:38	02/09/22 07:01	1
NEtFOSA	<0.88		2.0	0.88	ng/L		01/28/22 04:38	02/09/22 07:01	1
NMeFOSA	<0.44		2.0	0.44	ng/L		01/28/22 04:38	02/09/22 07:01	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		01/28/22 04:38	02/09/22 07:01	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		01/28/22 04:38	02/09/22 07:01	1
NMeFOSE	<1.4		4.1	1.4	ng/L		01/28/22 04:38	02/09/22 07:01	1
NEtFOSE	<0.86		2.0	0.86	ng/L		01/28/22 04:38	02/09/22 07:01	1
4:2 FTS	<0.24		2.0	0.24	ng/L		01/28/22 04:38	02/09/22 07:01	1
6:2 FTS	**4.6**	**J**	5.1	2.5	ng/L		01/28/22 04:38	02/09/22 07:01	1
8:2 FTS	<0.47		2.0	0.47	ng/L		01/28/22 04:38	02/09/22 07:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		01/28/22 04:38	02/09/22 07:01	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		01/28/22 04:38	02/09/22 07:01	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		01/28/22 04:38	02/09/22 07:01	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		01/28/22 04:38	02/09/22 07:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
13C5 PFPeA	*109*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
13C2 PFHxA	*98*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
13C4 PFHpA	*91*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
13C4 PFOA	*95*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
13C5 PFNA	*108*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
13C2 PFDA	*98*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
13C2 PFUnA	*104*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
13C2 PFDoA	*82*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
13C2 PFTeDA	*108*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
13C3 PFBS	*101*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
18O2 PFHxS	*97*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
13C4 PFOS	*113*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
13C8 FOSA	*104*		*10 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
d3-NMeFOSAA	*117*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
d5-NEtFOSAA	*127*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
d-N-MeFOSA-M	*93*		*10 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
d-N-EtFOSA-M	*90*		*10 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
d7-N-MeFOSE-M	*86*		*10 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
d9-N-EtFOSE-M	*97*		*10 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
M2-4:2 FTS	*93*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
M2-6:2 FTS	*91*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
13C3 HFPO-DA	*93*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*
13C2 10:2 FTS	*109*		*25 - 150*	*01/28/22 04:38*	*02/09/22 07:01*	*1*

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-01-(253-274)-202201
Date Collected: 01/21/22 13:20
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-17
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluoropentanoic acid (PFPeA)	**0.74**	**J**	2.0	0.49	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluorooctanoic acid (PFOA)	<0.84		2.0	0.84	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		01/28/22 04:38	01/29/22 09:33	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		01/28/22 04:38	01/29/22 09:33	1
NEtFOSA	<0.86		2.0	0.86	ng/L		01/28/22 04:38	01/29/22 09:33	1
NMeFOSA	<0.43		2.0	0.43	ng/L		01/28/22 04:38	01/29/22 09:33	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		01/28/22 04:38	01/29/22 09:33	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		01/28/22 04:38	01/29/22 09:33	1
NMeFOSE	<1.4		4.0	1.4	ng/L		01/28/22 04:38	01/29/22 09:33	1
NEtFOSE	<0.84		2.0	0.84	ng/L		01/28/22 04:38	01/29/22 09:33	1
4:2 FTS	<0.24		2.0	0.24	ng/L		01/28/22 04:38	01/29/22 09:33	1
6:2 FTS	**7.4**		5.0	2.5	ng/L		01/28/22 04:38	01/29/22 09:33	1
8:2 FTS	**0.49**	**J**	2.0	0.46	ng/L		01/28/22 04:38	01/29/22 09:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		01/28/22 04:38	01/29/22 09:33	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		01/28/22 04:38	01/29/22 09:33	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		01/28/22 04:38	01/29/22 09:33	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		01/28/22 04:38	01/29/22 09:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:33*	*1*
13C5 PFPeA	*95*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:33*	*1*
13C2 PFHxA	*67*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:33*	*1*
13C4 PFHpA	*94*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:33*	*1*
13C4 PFOA	*101*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:33*	*1*
13C5 PFNA	*98*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:33*	*1*
13C2 PFDA	*90*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:33*	*1*
13C2 PFUnA	*89*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:33*	*1*
13C2 PFDoA	*81*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:33*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:33*	*1*
13C3 PFBS	*73*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:33*	*1*
18O2 PFHxS	*97*		*25 - 150*	*01/28/22 04:38*	*01/29/22 09:33*	*1*

Client Sample ID: MP-01-(253-274)-202201

Lab Sample ID: 320-84210-17

Date Collected: 01/21/22 13:20

Matrix: Water

Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	97		25 - 150	01/28/22 04:38	01/29/22 09:33	1
13C8 FOSA	86		10 - 150	01/28/22 04:38	01/29/22 09:33	1
d3-NMeFOSAA	83		25 - 150	01/28/22 04:38	01/29/22 09:33	1
d5-NEtFOSAA	100		25 - 150	01/28/22 04:38	01/29/22 09:33	1
d-N-MeFOSA-M	72		10 - 150	01/28/22 04:38	01/29/22 09:33	1
d-N-EtFOSA-M	67		10 - 150	01/28/22 04:38	01/29/22 09:33	1
d7-N-MeFOSE-M	73		10 - 150	01/28/22 04:38	01/29/22 09:33	1
d9-N-EtFOSE-M	75		10 - 150	01/28/22 04:38	01/29/22 09:33	1
M2-4:2 FTS	67		25 - 150	01/28/22 04:38	01/29/22 09:33	1
M2-6:2 FTS	99		25 - 150	01/28/22 04:38	01/29/22 09:33	1
M2-8:2 FTS	114		25 - 150	01/28/22 04:38	01/29/22 09:33	1
13C3 HFPO-DA	78		25 - 150	01/28/22 04:38	01/29/22 09:33	1

Client Sample ID: MP-01-(277-293)-202201

Lab Sample ID: 320-84210-18

Date Collected: 01/21/22 12:30

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**7.0**		4.7	2.3	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluoropentanoic acid (PFPeA)	**27**		1.9	0.46	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluorohexanoic acid (PFHxA)	**25**		1.9	0.54	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluoroheptanoic acid (PFHpA)	**7.4**		1.9	0.23	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluorooctanoic acid (PFOA)	**15**		1.9	0.80	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluorononanoic acid (PFNA)	**0.58**	**J**	1.9	0.25	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		01/28/22 04:38	01/29/22 10:15	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		01/28/22 04:38	01/29/22 10:15	1
NEtFOSA	<0.82		1.9	0.82	ng/L		01/28/22 04:38	01/29/22 10:15	1
NMeFOSA	<0.40		1.9	0.40	ng/L		01/28/22 04:38	01/29/22 10:15	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		01/28/22 04:38	01/29/22 10:15	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		01/28/22 04:38	01/29/22 10:15	1
NMeFOSE	<1.3		3.8	1.3	ng/L		01/28/22 04:38	01/29/22 10:15	1
NEtFOSE	<0.80		1.9	0.80	ng/L		01/28/22 04:38	01/29/22 10:15	1
4:2 FTS	<0.23		1.9	0.23	ng/L		01/28/22 04:38	01/29/22 10:15	1
6:2 FTS	**250**		4.7	2.3	ng/L		01/28/22 04:38	01/29/22 10:15	1
8:2 FTS	**21**		1.9	0.43	ng/L		01/28/22 04:38	01/29/22 10:15	1

Client Sample ID: MP-01-(277-293)-202201

Lab Sample ID: 320-84210-18

Date Collected: 01/21/22 12:30

Matrix: Water

Date Received: 01/26/22 10:00

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		01/28/22 04:38	01/29/22 10:15	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		01/28/22 04:38	01/29/22 10:15	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		01/28/22 04:38	01/29/22 10:15	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		01/28/22 04:38	01/29/22 10:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*42*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
13C5 PFPeA	*46*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
13C2 PFHxA	*33*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
13C4 PFHpA	*48*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
13C4 PFOA	*53*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
13C5 PFNA	*50*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
13C2 PFDA	*46*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
13C2 PFUnA	*43*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
13C2 PFDoA	*36*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
13C2 PFTeDA	*36*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
13C3 PFBS	*36*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
18O2 PFHxS	*50*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
13C4 PFOS	*52*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
13C8 FOSA	*43*		*10 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
d3-NMeFOSAA	*40*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
d5-NEtFOSAA	*41*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
d-N-MeFOSA-M	*36*		*10 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
d-N-EtFOSA-M	*30*		*10 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
d7-N-MeFOSE-M	*29*		*10 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
d9-N-EtFOSE-M	*25*		*10 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
M2-4:2 FTS	*38*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
M2-6:2 FTS	*57*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
M2-8:2 FTS	*67*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*
13C3 HFPO-DA	*35*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:15*	*1*

Client Sample ID: DUP-05-202201

Lab Sample ID: 320-84210-19

Date Collected: 01/21/22 00:00

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**180**		5.0	2.4	ng/L		01/28/22 04:38	01/29/22 10:25	1
Perfluoroheptanoic acid (PFHpA)	**210**		2.0	0.25	ng/L		01/28/22 04:38	01/29/22 10:25	1
Perfluorononanoic acid (PFNA)	**22**		2.0	0.27	ng/L		01/28/22 04:38	01/29/22 10:25	1
Perfluorodecanoic acid (PFDA)	**2.9**	**I**	2.0	0.31	ng/L		01/28/22 04:38	01/29/22 10:25	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/28/22 04:38	01/29/22 10:25	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		01/28/22 04:38	01/29/22 10:25	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/28/22 04:38	01/29/22 10:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		01/28/22 04:38	01/29/22 10:25	1
Perfluorobutanesulfonic acid (PFBS)	**0.59**	**J**	2.0	0.20	ng/L		01/28/22 04:38	01/29/22 10:25	1
Perfluoropentanesulfonic acid (PFPeS)	**0.56**	**J**	2.0	0.30	ng/L		01/28/22 04:38	01/29/22 10:25	1
Perfluorohexanesulfonic acid (PFHxS)	**2.9**		2.0	0.57	ng/L		01/28/22 04:38	01/29/22 10:25	1

Client Sample ID: DUP-05-202201
Date Collected: 01/21/22 00:00
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-19
Matrix: Water

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		01/28/22 04:38	01/29/22 10:25	1
Perfluorooctanesulfonic acid (PFOS)	**6.3**		2.0	0.54	ng/L		01/28/22 04:38	01/29/22 10:25	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		01/28/22 04:38	01/29/22 10:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		01/28/22 04:38	01/29/22 10:25	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		01/28/22 04:38	01/29/22 10:25	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		01/28/22 04:38	01/29/22 10:25	1
NEtFOSA	<0.86		2.0	0.86	ng/L		01/28/22 04:38	01/29/22 10:25	1
NMeFOSA	<0.43		2.0	0.43	ng/L		01/28/22 04:38	01/29/22 10:25	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		01/28/22 04:38	01/29/22 10:25	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		01/28/22 04:38	01/29/22 10:25	1
NMeFOSE	<1.4		4.0	1.4	ng/L		01/28/22 04:38	01/29/22 10:25	1
NEtFOSE	<0.84		2.0	0.84	ng/L		01/28/22 04:38	01/29/22 10:25	1
4:2 FTS	**46**		2.0	0.24	ng/L		01/28/22 04:38	01/29/22 10:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		01/28/22 04:38	01/29/22 10:25	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		01/28/22 04:38	01/29/22 10:25	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		01/28/22 04:38	01/29/22 10:25	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		01/28/22 04:38	01/29/22 10:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*107*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
13C4 PFHpA	*96*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
13C5 PFNA	*105*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
13C2 PFDA	*94*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
13C2 PFUnA	*99*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
13C2 PFDoA	*100*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
13C2 PFTeDA	*110*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
13C3 PFBS	*75*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
18O2 PFHxS	*105*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
13C4 PFOS	*108*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
13C8 FOSA	*97*		*10 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
d5-NEtFOSAA	*121*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
d-N-MeFOSA-M	*87*		*10 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
d-N-EtFOSA-M	*81*		*10 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
d7-N-MeFOSE-M	*89*		*10 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
d9-N-EtFOSE-M	*96*		*10 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
M2-4:2 FTS	*78*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*
13C3 HFPO-DA	*82*		*25 - 150*	*01/28/22 04:38*	*01/29/22 10:25*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**740**		40	9.7	ng/L		01/28/22 04:38	02/09/22 08:45	20
Perfluorohexanoic acid (PFHxA)	**590**		40	12	ng/L		01/28/22 04:38	02/09/22 08:45	20
Perfluorooctanoic acid (PFOA)	**460**		40	17	ng/L		01/28/22 04:38	02/09/22 08:45	20
6:2 FTS	**4300**		99	50	ng/L		01/28/22 04:38	02/09/22 08:45	20
8:2 FTS	**310**		40	9.1	ng/L		01/28/22 04:38	02/09/22 08:45	20

Client Sample ID: DUP-05-202201

Lab Sample ID: 320-84210-19

Date Collected: 01/21/22 00:00
Matrix: Water
Date Received: 01/26/22 10:00

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	99		25 - 150	01/28/22 04:38	02/09/22 08:45	20
13C2 PFHxA	99		25 - 150	01/28/22 04:38	02/09/22 08:45	20
13C4 PFOA	86		25 - 150	01/28/22 04:38	02/09/22 08:45	20
M2-6:2 FTS	125		25 - 150	01/28/22 04:38	02/09/22 08:45	20
M2-8:2 FTS	118		25 - 150	01/28/22 04:38	02/09/22 08:45	20

Client Sample ID: MP-01-EB-202201

Lab Sample ID: 320-84210-20

Date Collected: 01/21/22 15:45
Matrix: Water
Date Received: 01/26/22 10:00

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		01/28/22 05:05	01/30/22 21:17	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		01/28/22 05:05	01/30/22 21:17	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		01/28/22 05:05	01/30/22 21:17	1
NEtFOSA	<0.83		1.9	0.83	ng/L		01/28/22 05:05	01/30/22 21:17	1
NMeFOSA	<0.41		1.9	0.41	ng/L		01/28/22 05:05	01/30/22 21:17	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		01/28/22 05:05	01/30/22 21:17	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		01/28/22 05:05	01/30/22 21:17	1
NMeFOSE	<1.3		3.8	1.3	ng/L		01/28/22 05:05	01/30/22 21:17	1
NEtFOSE	<0.81		1.9	0.81	ng/L		01/28/22 05:05	01/30/22 21:17	1
4:2 FTS	<0.23		1.9	0.23	ng/L		01/28/22 05:05	01/30/22 21:17	1
6:2 FTS	<2.4		4.8	2.4	ng/L		01/28/22 05:05	01/30/22 21:17	1
8:2 FTS	<0.44		1.9	0.44	ng/L		01/28/22 05:05	01/30/22 21:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		01/28/22 05:05	01/30/22 21:17	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		01/28/22 05:05	01/30/22 21:17	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		01/28/22 05:05	01/30/22 21:17	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		01/28/22 05:05	01/30/22 21:17	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	105		25 - 150	01/28/22 05:05	01/30/22 21:17	1
13C5 PFPeA	101		25 - 150	01/28/22 05:05	01/30/22 21:17	1

Client Sample ID: MP-01-EB-202201

Lab Sample ID: 320-84210-20

Date Collected: 01/21/22 15:45

Matrix: Water

Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	79		25 - 150	01/28/22 05:05	01/30/22 21:17	1
13C4 PFHpA	99		25 - 150	01/28/22 05:05	01/30/22 21:17	1
13C4 PFOA	101		25 - 150	01/28/22 05:05	01/30/22 21:17	1
13C5 PFNA	102		25 - 150	01/28/22 05:05	01/30/22 21:17	1
13C2 PFDA	94		25 - 150	01/28/22 05:05	01/30/22 21:17	1
13C2 PFUnA	95		25 - 150	01/28/22 05:05	01/30/22 21:17	1
13C2 PFDoA	99		25 - 150	01/28/22 05:05	01/30/22 21:17	1
13C2 PFTeDA	111		25 - 150	01/28/22 05:05	01/30/22 21:17	1
13C3 PFBS	76		25 - 150	01/28/22 05:05	01/30/22 21:17	1
18O2 PFHxS	99		25 - 150	01/28/22 05:05	01/30/22 21:17	1
13C4 PFOS	94		25 - 150	01/28/22 05:05	01/30/22 21:17	1
13C8 FOSA	86		10 - 150	01/28/22 05:05	01/30/22 21:17	1
d3-NMeFOSAA	89		25 - 150	01/28/22 05:05	01/30/22 21:17	1
d5-NEtFOSAA	98		25 - 150	01/28/22 05:05	01/30/22 21:17	1
d-N-MeFOSA-M	77		10 - 150	01/28/22 05:05	01/30/22 21:17	1
d-N-EtFOSA-M	77		10 - 150	01/28/22 05:05	01/30/22 21:17	1
d7-N-MeFOSE-M	91		10 - 150	01/28/22 05:05	01/30/22 21:17	1
d9-N-EtFOSE-M	96		10 - 150	01/28/22 05:05	01/30/22 21:17	1
M2-4:2 FTS	61		25 - 150	01/28/22 05:05	01/30/22 21:17	1
M2-6:2 FTS	91		25 - 150	01/28/22 05:05	01/30/22 21:17	1
M2-8:2 FTS	93		25 - 150	01/28/22 05:05	01/30/22 21:17	1
13C3 HFPO-DA	87		25 - 150	01/28/22 05:05	01/30/22 21:17	1
13C2 10:2 FTS	129		25 - 150	01/28/22 05:05	01/30/22 21:17	1

Client Sample ID: FB-01-202201

Lab Sample ID: 320-84210-21

Date Collected: 01/21/22 15:50

Matrix: Water

Date Received: 01/26/22 10:00

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		01/28/22 05:05	01/30/22 21:28	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluoroheptanoic acid (PFHpA)	<0.24		2.0	0.24	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		01/28/22 05:05	01/30/22 21:28	1

Client Sample ID: FB-01-202201
Date Collected: 01/21/22 15:50
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-21
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		01/28/22 05:05	01/30/22 21:28	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		01/28/22 05:05	01/30/22 21:28	1
NEtFOSA	<0.85		2.0	0.85	ng/L		01/28/22 05:05	01/30/22 21:28	1
NMeFOSA	<0.42		2.0	0.42	ng/L		01/28/22 05:05	01/30/22 21:28	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		01/28/22 05:05	01/30/22 21:28	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		01/28/22 05:05	01/30/22 21:28	1
NMeFOSE	<1.4		3.9	1.4	ng/L		01/28/22 05:05	01/30/22 21:28	1
NEtFOSE	<0.83		2.0	0.83	ng/L		01/28/22 05:05	01/30/22 21:28	1
4:2 FTS	<0.23		2.0	0.23	ng/L		01/28/22 05:05	01/30/22 21:28	1
6:2 FTS	<2.4		4.9	2.4	ng/L		01/28/22 05:05	01/30/22 21:28	1
8:2 FTS	<0.45		2.0	0.45	ng/L		01/28/22 05:05	01/30/22 21:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		01/28/22 05:05	01/30/22 21:28	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		01/28/22 05:05	01/30/22 21:28	1
9Cl-PF3ONS	<0.23		2.0	0.23	ng/L		01/28/22 05:05	01/30/22 21:28	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		01/28/22 05:05	01/30/22 21:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*102*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
13C5 PFPeA	*90*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
13C2 PFHxA	*69*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
13C4 PFHpA	*90*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
13C4 PFOA	*103*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
13C5 PFNA	*92*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
13C2 PFDA	*82*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
13C2 PFUnA	*83*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
13C2 PFDoA	*84*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
13C3 PFBS	*77*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
18O2 PFHxS	*95*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
13C4 PFOS	*91*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
13C8 FOSA	*85*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
d3-NMeFOSAA	*77*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
d-N-MeFOSA-M	*71*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
d-N-EtFOSA-M	*72*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
d7-N-MeFOSE-M	*77*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
d9-N-EtFOSE-M	*91*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
M2-4:2 FTS	*62*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
M2-6:2 FTS	*89*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
M2-8:2 FTS	*75*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
13C3 HFPO-DA	*80*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*
13C2 10:2 FTS	*84*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:28*	*1*

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MW-01-202201
Date Collected: 01/21/22 16:00
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-22
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**320**		4.6	2.2	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluoroheptanoic acid (PFHpA)	**270**		1.8	0.23	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluorooctanoic acid (PFOA)	**93**		1.8	0.79	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluorononanoic acid (PFNA)	**10**		1.8	0.25	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluorobutanesulfonic acid (PFBS)	**0.56**	**J**	1.8	0.18	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluorohexanesulfonic acid (PFHxS)	**0.66**	**J**	1.8	0.53	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.8	0.18	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluorooctanesulfonic acid (PFOS)	**2.5**	**I**	1.8	0.50	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.8	0.30	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.8	0.90	ng/L		01/28/22 05:05	01/30/22 21:38	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.8	0.91	ng/L		01/28/22 05:05	01/30/22 21:38	1
NEtFOSA	<0.80		1.8	0.80	ng/L		01/28/22 05:05	01/30/22 21:38	1
NMeFOSA	<0.40		1.8	0.40	ng/L		01/28/22 05:05	01/30/22 21:38	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		01/28/22 05:05	01/30/22 21:38	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		01/28/22 05:05	01/30/22 21:38	1
NMeFOSE	<1.3		3.7	1.3	ng/L		01/28/22 05:05	01/30/22 21:38	1
NEtFOSE	<0.79		1.8	0.79	ng/L		01/28/22 05:05	01/30/22 21:38	1
4:2 FTS	<0.22		1.8	0.22	ng/L		01/28/22 05:05	01/30/22 21:38	1
8:2 FTS	**3.8**		1.8	0.43	ng/L		01/28/22 05:05	01/30/22 21:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		01/28/22 05:05	01/30/22 21:38	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		01/28/22 05:05	01/30/22 21:38	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		01/28/22 05:05	01/30/22 21:38	1
11Cl-PF3OUdS	<0.30		1.8	0.30	ng/L		01/28/22 05:05	01/30/22 21:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*99*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
13C4 PFHpA	*100*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
13C4 PFOA	*105*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
13C5 PFNA	*96*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
13C2 PFDA	*90*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
13C2 PFUnA	*87*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
13C2 PFDoA	*93*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
13C2 PFTeDA	*93*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
13C3 PFBS	*78*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
18O2 PFHxS	*104*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
13C4 PFOS	*99*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
13C8 FOSA	*88*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
d3-NMeFOSAA	*77*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*

Client Sample ID: MW-01-202201

Date Collected: 01/21/22 16:00
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-22

Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	*84*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
d-N-MeFOSA-M	*78*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
d-N-EtFOSA-M	*73*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
d7-N-MeFOSE-M	*79*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
d9-N-EtFOSE-M	*93*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
M2-4:2 FTS	*68*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
M2-8:2 FTS	*79*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
13C3 HFPO-DA	*79*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*
13C2 10:2 FTS	*81*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:38*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**1200**		18	4.5	ng/L		01/28/22 05:05	02/01/22 09:07	10
Perfluorohexanoic acid (PFHxA)	**660**		18	5.4	ng/L		01/28/22 05:05	02/01/22 09:07	10
6:2 FTS	**590**		46	23	ng/L		01/28/22 05:05	02/01/22 09:07	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	*91*		*25 - 150*	*01/28/22 05:05*	*02/01/22 09:07*	*10*
13C2 PFHxA	*96*		*25 - 150*	*01/28/22 05:05*	*02/01/22 09:07*	*10*
M2-6:2 FTS	*118*		*25 - 150*	*01/28/22 05:05*	*02/01/22 09:07*	*10*

Client Sample ID: MW-03-202201

Date Collected: 01/19/22 10:02
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-23

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**12**		4.7	2.3	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluoropentanoic acid (PFPeA)	**1.2**	**J**	1.9	0.46	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluorobutanesulfonic acid (PFBS)	**0.77**	**J**	1.9	0.19	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		01/28/22 05:05	01/30/22 21:48	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		01/28/22 05:05	01/30/22 21:48	1
NEtFOSA	<0.82		1.9	0.82	ng/L		01/28/22 05:05	01/30/22 21:48	1

Client Sample ID: MW-03-202201

Lab Sample ID: 320-84210-23

Date Collected: 01/19/22 10:02

Matrix: Water

Date Received: 01/26/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSA	<0.40		1.9	0.40	ng/L		01/28/22 05:05	01/30/22 21:48	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		01/28/22 05:05	01/30/22 21:48	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		01/28/22 05:05	01/30/22 21:48	1
NMeFOSE	<1.3		3.8	1.3	ng/L		01/28/22 05:05	01/30/22 21:48	1
NEtFOSE	<0.80		1.9	0.80	ng/L		01/28/22 05:05	01/30/22 21:48	1
4:2 FTS	<0.23		1.9	0.23	ng/L		01/28/22 05:05	01/30/22 21:48	1
6:2 FTS	<2.3		4.7	2.3	ng/L		01/28/22 05:05	01/30/22 21:48	1
8:2 FTS	<0.43		1.9	0.43	ng/L		01/28/22 05:05	01/30/22 21:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		01/28/22 05:05	01/30/22 21:48	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		01/28/22 05:05	01/30/22 21:48	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		01/28/22 05:05	01/30/22 21:48	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		01/28/22 05:05	01/30/22 21:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
13C5 PFPeA	*95*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
13C2 PFHxA	*74*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
13C4 PFHpA	*98*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
13C4 PFOA	*102*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
13C5 PFNA	*94*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
13C2 PFDA	*87*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
13C2 PFUnA	*89*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
13C2 PFDoA	*90*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
13C3 PFBS	*78*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
18O2 PFHxS	*102*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
13C4 PFOS	*98*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
13C8 FOSA	*86*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
d3-NMeFOSAA	*78*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
d5-NEtFOSAA	*90*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
d-N-MeFOSA-M	*82*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
d-N-EtFOSA-M	*73*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
d7-N-MeFOSE-M	*82*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
d9-N-EtFOSE-M	*95*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
M2-4:2 FTS	*63*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
M2-6:2 FTS	*88*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
M2-8:2 FTS	*71*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
13C3 HFPO-DA	*87*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*
13C2 10:2 FTS	*87*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:48*	*1*

Client Sample ID: MW-04-202201

Lab Sample ID: 320-84210-24

Date Collected: 01/21/22 17:11

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	**59**		1.8	0.25	ng/L		01/28/22 05:05	01/30/22 21:59	1
Perfluorodecanoic acid (PFDA)	**21**		1.8	0.28	ng/L		01/28/22 05:05	01/30/22 21:59	1
Perfluoroundecanoic acid (PFUnA)	**1.1**	**J**	1.8	1.0	ng/L		01/28/22 05:05	01/30/22 21:59	1

Client Sample ID: MW-04-202201
Date Collected: 01/21/22 17:11
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-24
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		01/28/22 05:05	01/30/22 21:59	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		01/28/22 05:05	01/30/22 21:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		01/28/22 05:05	01/30/22 21:59	1
Perfluorobutanesulfonic acid (PFBS)	**0.62**	**J**	1.8	0.18	ng/L		01/28/22 05:05	01/30/22 21:59	1
Perfluoropentanesulfonic acid (PFPeS)	**0.31**	**J**	1.8	0.28	ng/L		01/28/22 05:05	01/30/22 21:59	1
Perfluorohexanesulfonic acid (PFHxS)	**3.8**		1.8	0.52	ng/L		01/28/22 05:05	01/30/22 21:59	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		01/28/22 05:05	01/30/22 21:59	1
Perfluorooctanesulfonic acid (PFOS)	**14**		1.8	0.50	ng/L		01/28/22 05:05	01/30/22 21:59	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		01/28/22 05:05	01/30/22 21:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		01/28/22 05:05	01/30/22 21:59	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		01/28/22 05:05	01/30/22 21:59	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		01/28/22 05:05	01/30/22 21:59	1
NEtFOSA	<0.80		1.8	0.80	ng/L		01/28/22 05:05	01/30/22 21:59	1
NMeFOSA	<0.40		1.8	0.40	ng/L		01/28/22 05:05	01/30/22 21:59	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		01/28/22 05:05	01/30/22 21:59	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		01/28/22 05:05	01/30/22 21:59	1
NMeFOSE	<1.3		3.7	1.3	ng/L		01/28/22 05:05	01/30/22 21:59	1
NEtFOSE	<0.78		1.8	0.78	ng/L		01/28/22 05:05	01/30/22 21:59	1
4:2 FTS	**52**		1.8	0.22	ng/L		01/28/22 05:05	01/30/22 21:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		01/28/22 05:05	01/30/22 21:59	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		01/28/22 05:05	01/30/22 21:59	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		01/28/22 05:05	01/30/22 21:59	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		01/28/22 05:05	01/30/22 21:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFNA	*121*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
13C2 PFDA	*103*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
13C2 PFUnA	*108*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
13C2 PFDoA	*112*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
13C2 PFTeDA	*127*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
13C3 PFBS	*92*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
18O2 PFHxS	*116*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
13C4 PFOS	*117*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
13C8 FOSA	*101*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
d5-NEtFOSAA	*111*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
d-N-MeFOSA-M	*100*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
d-N-EtFOSA-M	*92*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
d7-N-MeFOSE-M	*103*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
d9-N-EtFOSE-M	*110*		*10 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
M2-4:2 FTS	*66*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
13C3 HFPO-DA	*101*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*
13C2 10:2 FTS	*113*		*25 - 150*	*01/28/22 05:05*	*01/30/22 21:59*	*1*

Client Sample ID: MW-04-202201

Date Collected: 01/21/22 17:11
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-24
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**7300**		230	110	ng/L		01/28/22 05:05	02/04/22 11:01	50

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*70*		*25 - 150*	*01/28/22 05:05*	*02/04/22 11:01*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**460**		230	110	ng/L		01/28/22 05:05	02/09/22 06:41	50
Perfluoropentanoic acid (PFPeA)	**1700**		92	23	ng/L		01/28/22 05:05	02/09/22 06:41	50
Perfluorohexanoic acid (PFHxA)	**1400**		92	27	ng/L		01/28/22 05:05	02/09/22 06:41	50
Perfluoroheptanoic acid (PFHpA)	**620**		92	11	ng/L		01/28/22 05:05	02/09/22 06:41	50
Perfluorooctanoic acid (PFOA)	**860**		92	39	ng/L		01/28/22 05:05	02/09/22 06:41	50
8:2 FTS	**1800**		92	21	ng/L		01/28/22 05:05	02/09/22 06:41	50

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:41*	*50*
13C5 PFPeA	*107*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:41*	*50*
13C2 PFHxA	*93*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:41*	*50*
13C4 PFHpA	*105*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:41*	*50*
13C4 PFOA	*97*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:41*	*50*
M2-8:2 FTS	*128*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:41*	*50*

Client Sample ID: MW-05-202201

Date Collected: 01/21/22 13:25
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-25
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**78**		4.6	2.2	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluoropentanoic acid (PFPeA)	**270**		1.9	0.46	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluorohexanoic acid (PFHxA)	**170**		1.9	0.54	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluoroheptanoic acid (PFHpA)	**96**		1.9	0.23	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluorooctanoic acid (PFOA)	**73**		1.9	0.79	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluorononanoic acid (PFNA)	**6.4**		1.9	0.25	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluorobutanesulfonic acid (PFBS)	**0.47**	**J**	1.9	0.19	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluorooctanesulfonic acid (PFOS)	**1.6**	**J**	1.9	0.50	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		01/28/22 05:05	01/30/22 22:09	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		01/28/22 05:05	01/30/22 22:09	1

Client Sample ID: MW-05-202201

Date Collected: 01/21/22 13:25
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-25

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSA	<0.81		1.9	0.81	ng/L		01/28/22 05:05	01/30/22 22:09	1
NMeFOSA	<0.40		1.9	0.40	ng/L		01/28/22 05:05	01/30/22 22:09	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		01/28/22 05:05	01/30/22 22:09	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		01/28/22 05:05	01/30/22 22:09	1
NMeFOSE	<1.3		3.7	1.3	ng/L		01/28/22 05:05	01/30/22 22:09	1
NEtFOSE	<0.79		1.9	0.79	ng/L		01/28/22 05:05	01/30/22 22:09	1
4:2 FTS	<0.22		1.9	0.22	ng/L		01/28/22 05:05	01/30/22 22:09	1
6:2 FTS	**150**		4.6	2.3	ng/L		01/28/22 05:05	01/30/22 22:09	1
8:2 FTS	**42**		1.9	0.43	ng/L		01/28/22 05:05	01/30/22 22:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		01/28/22 05:05	01/30/22 22:09	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		01/28/22 05:05	01/30/22 22:09	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		01/28/22 05:05	01/30/22 22:09	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		01/28/22 05:05	01/30/22 22:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
13C5 PFPeA	*75*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
13C2 PFHxA	*65*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
13C4 PFHpA	*88*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
13C4 PFOA	*75*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
13C5 PFNA	*74*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
13C2 PFDA	*63*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
13C2 PFUnA	*53*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
13C2 PFDoA	*50*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
13C2 PFTeDA	*55*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
13C3 PFBS	*61*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
18O2 PFHxS	*81*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
13C4 PFOS	*70*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
13C8 FOSA	*62*		*10 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
d3-NMeFOSAA	*46*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
d5-NEtFOSAA	*46*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
d-N-MeFOSA-M	*43*		*10 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
d-N-EtFOSA-M	*41*		*10 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
d7-N-MeFOSE-M	*44*		*10 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
d9-N-EtFOSE-M	*48*		*10 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
M2-4:2 FTS	*60*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
M2-6:2 FTS	*65*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
M2-8:2 FTS	*48*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
13C3 HFPO-DA	*67*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*
13C2 10:2 FTS	*46*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:09*	*1*

Client Sample ID: MW-06-202201

Date Collected: 01/18/22 14:46
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-26

Matrix: Water

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		01/28/22 05:05	01/30/22 22:20	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.8	0.54	ng/L		01/28/22 05:05	01/30/22 22:20	1

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MW-06-202201
Date Collected: 01/18/22 14:46
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-26
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluorobutanesulfonic acid (PFBS)	**0.66**	**J**	1.8	0.18	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.8	0.53	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.8	0.18	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.8	0.50	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.8	0.30	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.8	0.90	ng/L		01/28/22 05:05	01/30/22 22:20	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		01/28/22 05:05	01/30/22 22:20	1
NEtFOSA	<0.80		1.8	0.80	ng/L		01/28/22 05:05	01/30/22 22:20	1
NMeFOSA	<0.40		1.8	0.40	ng/L		01/28/22 05:05	01/30/22 22:20	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		01/28/22 05:05	01/30/22 22:20	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		01/28/22 05:05	01/30/22 22:20	1
NMeFOSE	<1.3		3.7	1.3	ng/L		01/28/22 05:05	01/30/22 22:20	1
NEtFOSE	<0.78		1.8	0.78	ng/L		01/28/22 05:05	01/30/22 22:20	1
4:2 FTS	<0.22		1.8	0.22	ng/L		01/28/22 05:05	01/30/22 22:20	1
6:2 FTS	<2.3		4.6	2.3	ng/L		01/28/22 05:05	01/30/22 22:20	1
8:2 FTS	<0.42		1.8	0.42	ng/L		01/28/22 05:05	01/30/22 22:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		01/28/22 05:05	01/30/22 22:20	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		01/28/22 05:05	01/30/22 22:20	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		01/28/22 05:05	01/30/22 22:20	1
11Cl-PF3OUdS	<0.30		1.8	0.30	ng/L		01/28/22 05:05	01/30/22 22:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*101*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:20*	*1*
13C5 PFPeA	*96*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:20*	*1*
13C2 PFHxA	*73*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:20*	*1*
13C4 PFHpA	*99*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:20*	*1*
13C4 PFOA	*100*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:20*	*1*
13C5 PFNA	*101*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:20*	*1*
13C2 PFDA	*89*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:20*	*1*
13C2 PFUnA	*85*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:20*	*1*
13C2 PFDoA	*88*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:20*	*1*
13C2 PFTeDA	*96*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:20*	*1*
13C3 PFBS	*79*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:20*	*1*
18O2 PFHxS	*103*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:20*	*1*
13C4 PFOS	*97*		*25 - 150*	*01/28/22 05:05*	*01/30/22 22:20*	*1*
13C8 FOSA	*89*		*10 - 150*	*01/28/22 05:05*	*01/30/22 22:20*	*1*

Client Sample ID: MW-06-202201

Date Collected: 01/18/22 14:46
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-26

Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	72		25 - 150	01/28/22 05:05	01/30/22 22:20	1
d5-NEtFOSAA	84		25 - 150	01/28/22 05:05	01/30/22 22:20	1
d-N-MeFOSA-M	73		10 - 150	01/28/22 05:05	01/30/22 22:20	1
d-N-EtFOSA-M	77		10 - 150	01/28/22 05:05	01/30/22 22:20	1
d7-N-MeFOSE-M	81		10 - 150	01/28/22 05:05	01/30/22 22:20	1
d9-N-EtFOSE-M	89		10 - 150	01/28/22 05:05	01/30/22 22:20	1
M2-4:2 FTS	64		25 - 150	01/28/22 05:05	01/30/22 22:20	1
M2-6:2 FTS	84		25 - 150	01/28/22 05:05	01/30/22 22:20	1
M2-8:2 FTS	75		25 - 150	01/28/22 05:05	01/30/22 22:20	1
13C3 HFPO-DA	79		25 - 150	01/28/22 05:05	01/30/22 22:20	1
13C2 10:2 FTS	82		25 - 150	01/28/22 05:05	01/30/22 22:20	1

Client Sample ID: MW-07-202201

Date Collected: 01/18/22 13:34
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-27

Matrix: Water

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		01/28/22 05:05	01/30/22 23:01	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.8	0.54	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluorooctanoic acid (PFOA)	<0.79		1.8	0.79	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluorobutanesulfonic acid (PFBS)	**0.86**	**J**	1.8	0.18	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.8	0.53	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.8	0.18	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.8	0.50	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.8	0.30	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.8	0.90	ng/L		01/28/22 05:05	01/30/22 23:01	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.8	0.91	ng/L		01/28/22 05:05	01/30/22 23:01	1
NEtFOSA	<0.80		1.8	0.80	ng/L		01/28/22 05:05	01/30/22 23:01	1
NMeFOSA	<0.40		1.8	0.40	ng/L		01/28/22 05:05	01/30/22 23:01	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		01/28/22 05:05	01/30/22 23:01	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		01/28/22 05:05	01/30/22 23:01	1
NMeFOSE	<1.3		3.7	1.3	ng/L		01/28/22 05:05	01/30/22 23:01	1
NEtFOSE	<0.79		1.8	0.79	ng/L		01/28/22 05:05	01/30/22 23:01	1
4:2 FTS	<0.22		1.8	0.22	ng/L		01/28/22 05:05	01/30/22 23:01	1
6:2 FTS	<2.3		4.6	2.3	ng/L		01/28/22 05:05	01/30/22 23:01	1
8:2 FTS	<0.43		1.8	0.43	ng/L		01/28/22 05:05	01/30/22 23:01	1

Client Sample ID: MW-07-202201

Date Collected: 01/18/22 13:34
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-27

Matrix: Water

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)	<0.37		1.8	0.37	ng/L		01/28/22 05:05	01/30/22 23:01	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		01/28/22 05:05	01/30/22 23:01	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		01/28/22 05:05	01/30/22 23:01	1
11Cl-PF3OUdS	<0.30		1.8	0.30	ng/L		01/28/22 05:05	01/30/22 23:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*106*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
13C5 PFPeA	*105*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
13C2 PFHxA	*84*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
13C4 PFHpA	*101*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
13C4 PFOA	*105*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
13C5 PFNA	*99*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
13C2 PFDA	*93*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
13C2 PFUnA	*96*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
13C2 PFDoA	*100*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
13C2 PFTeDA	*104*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
13C3 PFBS	*88*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
18O2 PFHxS	*108*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
13C4 PFOS	*105*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
13C8 FOSA	*90*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
d3-NMeFOSAA	*77*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
d-N-MeFOSA-M	*86*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
d-N-EtFOSA-M	*85*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
d7-N-MeFOSE-M	*91*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
d9-N-EtFOSE-M	*105*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
M2-4:2 FTS	*63*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
M2-6:2 FTS	*91*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
M2-8:2 FTS	*68*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
13C3 HFPO-DA	*91*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*
13C2 10:2 FTS	*93*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:01*	*1*

Client Sample ID: PZ-01-202201

Date Collected: 01/19/22 14:47
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-28

Matrix: Water

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		01/28/22 05:05	01/30/22 23:12	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		01/28/22 05:05	01/30/22 23:12	1

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: PZ-01-202201
Date Collected: 01/19/22 14:47
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-28
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.9	0.50	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		01/28/22 05:05	01/30/22 23:12	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		01/28/22 05:05	01/30/22 23:12	1
NEtFOSA	<0.81		1.9	0.81	ng/L		01/28/22 05:05	01/30/22 23:12	1
NMeFOSA	<0.40		1.9	0.40	ng/L		01/28/22 05:05	01/30/22 23:12	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		01/28/22 05:05	01/30/22 23:12	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		01/28/22 05:05	01/30/22 23:12	1
NMeFOSE	<1.3		3.7	1.3	ng/L		01/28/22 05:05	01/30/22 23:12	1
NEtFOSE	<0.79		1.9	0.79	ng/L		01/28/22 05:05	01/30/22 23:12	1
4:2 FTS	<0.22		1.9	0.22	ng/L		01/28/22 05:05	01/30/22 23:12	1
6:2 FTS	<2.3		4.7	2.3	ng/L		01/28/22 05:05	01/30/22 23:12	1
8:2 FTS	<0.43		1.9	0.43	ng/L		01/28/22 05:05	01/30/22 23:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		01/28/22 05:05	01/30/22 23:12	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		01/28/22 05:05	01/30/22 23:12	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		01/28/22 05:05	01/30/22 23:12	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		01/28/22 05:05	01/30/22 23:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*101*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
13C5 PFPeA	*94*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
13C2 PFHxA	*79*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
13C4 PFHpA	*98*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
13C4 PFOA	*103*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
13C5 PFNA	*92*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
13C2 PFDA	*84*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
13C2 PFUnA	*92*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
13C2 PFDoA	*85*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
13C2 PFTeDA	*92*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
13C3 PFBS	*75*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
18O2 PFHxS	*102*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
13C4 PFOS	*92*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
13C8 FOSA	*85*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
d3-NMeFOSAA	*70*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
d-N-MeFOSA-M	*79*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
d-N-EtFOSA-M	*73*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
d7-N-MeFOSE-M	*83*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
d9-N-EtFOSE-M	*86*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
M2-4:2 FTS	*62*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
M2-8:2 FTS	*69*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*
13C3 HFPO-DA	*84*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:12*	*1*

Client Sample ID: PZ-01-202201

Lab Sample ID: 320-84210-28

Date Collected: 01/19/22 14:47

Matrix: Water

Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 10:2 FTS	83		25 - 150	01/28/22 05:05	01/30/22 23:12	1

Client Sample ID: DUP-04-202201

Lab Sample ID: 320-84210-29

Date Collected: 01/21/22 00:00

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**74**		4.6	2.2	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluoropentanoic acid (PFPeA)	**270**		1.9	0.45	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluorohexanoic acid (PFHxA)	**170**		1.9	0.54	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluoroheptanoic acid (PFHpA)	**93**		1.9	0.23	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluorooctanoic acid (PFOA)	**66**		1.9	0.79	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluorononanoic acid (PFNA)	**6.2**		1.9	0.25	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluorobutanesulfonic acid (PFBS)	**0.50**	**J**	1.9	0.19	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluorooctanesulfonic acid (PFOS)	**1.9**		1.9	0.50	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		01/28/22 05:05	01/30/22 23:22	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		01/28/22 05:05	01/30/22 23:22	1
NEtFOSA	<0.81		1.9	0.81	ng/L		01/28/22 05:05	01/30/22 23:22	1
NMeFOSA	<0.40		1.9	0.40	ng/L		01/28/22 05:05	01/30/22 23:22	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		01/28/22 05:05	01/30/22 23:22	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		01/28/22 05:05	01/30/22 23:22	1
NMeFOSE	<1.3		3.7	1.3	ng/L		01/28/22 05:05	01/30/22 23:22	1
NEtFOSE	<0.79		1.9	0.79	ng/L		01/28/22 05:05	01/30/22 23:22	1
4:2 FTS	<0.22		1.9	0.22	ng/L		01/28/22 05:05	01/30/22 23:22	1
6:2 FTS	**150**		4.6	2.3	ng/L		01/28/22 05:05	01/30/22 23:22	1
8:2 FTS	**43**		1.9	0.43	ng/L		01/28/22 05:05	01/30/22 23:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		01/28/22 05:05	01/30/22 23:22	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		01/28/22 05:05	01/30/22 23:22	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		01/28/22 05:05	01/30/22 23:22	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		01/28/22 05:05	01/30/22 23:22	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	97		25 - 150	01/28/22 05:05	01/30/22 23:22	1
13C5 PFPeA	89		25 - 150	01/28/22 05:05	01/30/22 23:22	1
13C2 PFHxA	73		25 - 150	01/28/22 05:05	01/30/22 23:22	1

Client Sample ID: DUP-04-202201

Lab Sample ID: 320-84210-29

Date Collected: 01/21/22 00:00

Matrix: Water

Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	91		25 - 150	01/28/22 05:05	01/30/22 23:22	1
13C4 PFOA	99		25 - 150	01/28/22 05:05	01/30/22 23:22	1
13C5 PFNA	87		25 - 150	01/28/22 05:05	01/30/22 23:22	1
13C2 PFDA	81		25 - 150	01/28/22 05:05	01/30/22 23:22	1
13C2 PFUnA	81		25 - 150	01/28/22 05:05	01/30/22 23:22	1
13C2 PFDoA	81		25 - 150	01/28/22 05:05	01/30/22 23:22	1
13C2 PFTeDA	89		25 - 150	01/28/22 05:05	01/30/22 23:22	1
13C3 PFBS	73		25 - 150	01/28/22 05:05	01/30/22 23:22	1
18O2 PFHxS	98		25 - 150	01/28/22 05:05	01/30/22 23:22	1
13C4 PFOS	86		25 - 150	01/28/22 05:05	01/30/22 23:22	1
13C8 FOSA	79		10 - 150	01/28/22 05:05	01/30/22 23:22	1
d3-NMeFOSAA	71		25 - 150	01/28/22 05:05	01/30/22 23:22	1
d5-NEtFOSAA	78		25 - 150	01/28/22 05:05	01/30/22 23:22	1
d-N-MeFOSA-M	69		10 - 150	01/28/22 05:05	01/30/22 23:22	1
d-N-EtFOSA-M	61		10 - 150	01/28/22 05:05	01/30/22 23:22	1
d7-N-MeFOSE-M	79		10 - 150	01/28/22 05:05	01/30/22 23:22	1
d9-N-EtFOSE-M	85		10 - 150	01/28/22 05:05	01/30/22 23:22	1
M2-4:2 FTS	58		25 - 150	01/28/22 05:05	01/30/22 23:22	1
M2-6:2 FTS	84		25 - 150	01/28/22 05:05	01/30/22 23:22	1
M2-8:2 FTS	65		25 - 150	01/28/22 05:05	01/30/22 23:22	1
13C3 HFPO-DA	74		25 - 150	01/28/22 05:05	01/30/22 23:22	1
13C2 10:2 FTS	77		25 - 150	01/28/22 05:05	01/30/22 23:22	1

Client Sample ID: FB-01-202201

Lab Sample ID: 320-84210-30

Date Collected: 01/21/22 17:30

Matrix: Water

Date Received: 01/26/22 10:00

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		01/28/22 05:05	01/30/22 23:33	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluorohexanesulfonic acid (PFHxS)	<0.52		1.8	0.52	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.8	0.50	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		01/28/22 05:05	01/30/22 23:33	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		01/28/22 05:05	01/30/22 23:33	1

Client Sample ID: FB-01-202201

Lab Sample ID: 320-84210-30

Date Collected: 01/21/22 17:30

Matrix: Water

Date Received: 01/26/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		01/28/22 05:05	01/30/22 23:33	1
NEtFOSA	<0.80		1.8	0.80	ng/L		01/28/22 05:05	01/30/22 23:33	1
NMeFOSA	<0.39		1.8	0.39	ng/L		01/28/22 05:05	01/30/22 23:33	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		01/28/22 05:05	01/30/22 23:33	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		01/28/22 05:05	01/30/22 23:33	1
NMeFOSE	<1.3		3.7	1.3	ng/L		01/28/22 05:05	01/30/22 23:33	1
NEtFOSE	<0.78		1.8	0.78	ng/L		01/28/22 05:05	01/30/22 23:33	1
4:2 FTS	<0.22		1.8	0.22	ng/L		01/28/22 05:05	01/30/22 23:33	1
6:2 FTS	<2.3		4.6	2.3	ng/L		01/28/22 05:05	01/30/22 23:33	1
8:2 FTS	<0.42		1.8	0.42	ng/L		01/28/22 05:05	01/30/22 23:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		01/28/22 05:05	01/30/22 23:33	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		01/28/22 05:05	01/30/22 23:33	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		01/28/22 05:05	01/30/22 23:33	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		01/28/22 05:05	01/30/22 23:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
13C5 PFPeA	*95*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
13C2 PFHxA	*78*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
13C4 PFHpA	*106*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
13C4 PFOA	*104*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
13C5 PFNA	*99*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
13C2 PFDA	*86*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
13C2 PFUnA	*86*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
13C2 PFDoA	*91*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
13C2 PFTeDA	*95*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
13C3 PFBS	*86*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
18O2 PFHxS	*108*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
13C4 PFOS	*95*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
13C8 FOSA	*84*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
d3-NMeFOSAA	*75*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
d5-NEtFOSAA	*85*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
d-N-MeFOSA-M	*76*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
d-N-EtFOSA-M	*74*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
d7-N-MeFOSE-M	*86*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
d9-N-EtFOSE-M	*92*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
M2-4:2 FTS	*78*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
M2-8:2 FTS	*73*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
13C3 HFPO-DA	*82*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*
13C2 10:2 FTS	*83*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:33*	*1*

Client Sample ID: MW-04-EB-202201

Lab Sample ID: 320-84210-31

Date Collected: 01/21/22 17:40

Matrix: Water

Date Received: 01/26/22 10:00

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		01/28/22 05:05	01/30/22 23:43	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		01/28/22 05:05	01/30/22 23:43	1

Client Sample ID: MW-04-EB-202201
Date Collected: 01/21/22 17:40
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-31
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		01/28/22 05:05	01/30/22 23:43	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		01/28/22 05:05	01/30/22 23:43	1
NEtFOSA	<0.82		1.9	0.82	ng/L		01/28/22 05:05	01/30/22 23:43	1
NMeFOSA	<0.40		1.9	0.40	ng/L		01/28/22 05:05	01/30/22 23:43	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		01/28/22 05:05	01/30/22 23:43	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		01/28/22 05:05	01/30/22 23:43	1
NMeFOSE	<1.3		3.8	1.3	ng/L		01/28/22 05:05	01/30/22 23:43	1
NEtFOSE	<0.80		1.9	0.80	ng/L		01/28/22 05:05	01/30/22 23:43	1
4:2 FTS	<0.23		1.9	0.23	ng/L		01/28/22 05:05	01/30/22 23:43	1
6:2 FTS	<2.4		4.7	2.4	ng/L		01/28/22 05:05	01/30/22 23:43	1
8:2 FTS	<0.43		1.9	0.43	ng/L		01/28/22 05:05	01/30/22 23:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		01/28/22 05:05	01/30/22 23:43	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		01/28/22 05:05	01/30/22 23:43	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		01/28/22 05:05	01/30/22 23:43	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		01/28/22 05:05	01/30/22 23:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*99*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:43*	*1*
13C5 PFPeA	*97*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:43*	*1*
13C2 PFHxA	*76*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:43*	*1*
13C4 PFHpA	*98*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:43*	*1*
13C4 PFOA	*106*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:43*	*1*
13C5 PFNA	*98*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:43*	*1*
13C2 PFDA	*84*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:43*	*1*
13C2 PFUnA	*83*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:43*	*1*
13C2 PFDoA	*96*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:43*	*1*
13C2 PFTeDA	*105*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:43*	*1*
13C3 PFBS	*75*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:43*	*1*
18O2 PFHxS	*109*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:43*	*1*
13C4 PFOS	*99*		*25 - 150*	*01/28/22 05:05*	*01/30/22 23:43*	*1*
13C8 FOSA	*87*		*10 - 150*	*01/28/22 05:05*	*01/30/22 23:43*	*1*

Client Sample ID: MW-04-EB-202201

Lab Sample ID: 320-84210-31

Date Collected: 01/21/22 17:40

Matrix: Water

Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	73		25 - 150	01/28/22 05:05	01/30/22 23:43	1
d5-NEtFOSAA	85		25 - 150	01/28/22 05:05	01/30/22 23:43	1
d-N-MeFOSA-M	78		10 - 150	01/28/22 05:05	01/30/22 23:43	1
d-N-EtFOSA-M	81		10 - 150	01/28/22 05:05	01/30/22 23:43	1
d7-N-MeFOSE-M	89		10 - 150	01/28/22 05:05	01/30/22 23:43	1
d9-N-EtFOSE-M	97		10 - 150	01/28/22 05:05	01/30/22 23:43	1
M2-4:2 FTS	65		25 - 150	01/28/22 05:05	01/30/22 23:43	1
M2-6:2 FTS	92		25 - 150	01/28/22 05:05	01/30/22 23:43	1
M2-8:2 FTS	90		25 - 150	01/28/22 05:05	01/30/22 23:43	1
13C3 HFPO-DA	82		25 - 150	01/28/22 05:05	01/30/22 23:43	1
13C2 10:2 FTS	133		25 - 150	01/28/22 05:05	01/30/22 23:43	1

Client Sample ID: MP-03-(046-080)-202201

Lab Sample ID: 320-84210-32

Date Collected: 01/19/22 14:16

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**17**		4.6	2.2	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluoropentanoic acid (PFPeA)	**36**		1.9	0.46	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluorohexanoic acid (PFHxA)	**23**		1.9	0.54	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluoroheptanoic acid (PFHpA)	**49**		1.9	0.23	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluorooctanoic acid (PFOA)	**16**		1.9	0.79	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluorononanoic acid (PFNA)	**2.2**		1.9	0.25	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluorodecanoic acid (PFDA)	**0.86**	**J**	1.9	0.29	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluorobutanesulfonic acid (PFBS)	**0.27**	**J**	1.9	0.19	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluorohexanesulfonic acid (PFHxS)	**0.66**	**J**	1.9	0.53	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluorooctanesulfonic acid (PFOS)	**1.2**	**J**	1.9	0.50	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		01/28/22 05:05	02/09/22 06:20	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		01/28/22 05:05	02/09/22 06:20	1
NEtFOSA	<0.81		1.9	0.81	ng/L		01/28/22 05:05	02/09/22 06:20	1
NMeFOSA	<0.40		1.9	0.40	ng/L		01/28/22 05:05	02/09/22 06:20	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		01/28/22 05:05	02/09/22 06:20	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		01/28/22 05:05	02/09/22 06:20	1
NMeFOSE	<1.3		3.7	1.3	ng/L		01/28/22 05:05	02/09/22 06:20	1
NEtFOSE	<0.79		1.9	0.79	ng/L		01/28/22 05:05	02/09/22 06:20	1
4:2 FTS	<0.22		1.9	0.22	ng/L		01/28/22 05:05	02/09/22 06:20	1

Client Sample ID: MP-03-(046-080)-202201

Lab Sample ID: 320-84210-32

Date Collected: 01/19/22 14:16

Matrix: Water

Date Received: 01/26/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**18**		4.6	2.3	ng/L		01/28/22 05:05	02/09/22 06:20	1
8:2 FTS	**25**		1.9	0.43	ng/L		01/28/22 05:05	02/09/22 06:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		01/28/22 05:05	02/09/22 06:20	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		01/28/22 05:05	02/09/22 06:20	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		01/28/22 05:05	02/09/22 06:20	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		01/28/22 05:05	02/09/22 06:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*95*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
13C5 PFPeA	*116*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
13C2 PFHxA	*107*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
13C4 PFHpA	*94*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
13C4 PFOA	*98*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
13C5 PFNA	*111*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
13C2 PFDA	*113*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
13C2 PFUnA	*108*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
13C2 PFDoA	*67*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
13C2 PFTeDA	*83*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
13C3 PFBS	*121*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
18O2 PFHxS	*98*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
13C4 PFOS	*116*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
13C8 FOSA	*107*		*10 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
d3-NMeFOSAA	*101*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
d5-NEtFOSAA	*143*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
d-N-MeFOSA-M	*86*		*10 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
d-N-EtFOSA-M	*78*		*10 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
d7-N-MeFOSE-M	*77*		*10 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
d9-N-EtFOSE-M	*65*		*10 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
M2-4:2 FTS	*115*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
M2-6:2 FTS	*97*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
M2-8:2 FTS	*158*	**5+*	*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
13C3 HFPO-DA	*102*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*
13C2 10:2 FTS	*105*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:20*	*1*

Client Sample ID: MP-03-(083-117)-202201

Lab Sample ID: 320-84210-33

Date Collected: 01/19/22 13:47

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**24**		5.8	2.8	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluoropentanoic acid (PFPeA)	**52**		2.3	0.56	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluorohexanoic acid (PFHxA)	**29**		2.3	0.67	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluoroheptanoic acid (PFHpA)	**60**		2.3	0.29	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluorooctanoic acid (PFOA)	**20**		2.3	0.98	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluorononanoic acid (PFNA)	**2.5**		2.3	0.31	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluorododecanoic acid (PFDoA)	<0.63		2.3	0.63	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		01/28/22 05:05	01/31/22 00:04	1

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-03-(083-117)-202201
Date Collected: 01/19/22 13:47
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-33
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeA)	<0.84		2.3	0.84	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluorobutanesulfonic acid (PFBS)	<0.23		2.3	0.23	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.3	0.35	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluorohexanesulfonic acid (PFHxS)	<0.66		2.3	0.66	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.22		2.3	0.22	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluorooctanesulfonic acid (PFOS)	**1.3**	**J**	2.3	0.62	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		01/28/22 05:05	01/31/22 00:04	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		01/28/22 05:05	01/31/22 00:04	1
NEtFOSA	<1.0		2.3	1.0	ng/L		01/28/22 05:05	01/31/22 00:04	1
NMeFOSA	<0.49		2.3	0.49	ng/L		01/28/22 05:05	01/31/22 00:04	1
NMeFOSAA	<1.4		5.8	1.4	ng/L		01/28/22 05:05	01/31/22 00:04	1
NEtFOSAA	<1.5		5.8	1.5	ng/L		01/28/22 05:05	01/31/22 00:04	1
NMeFOSE	<1.6		4.6	1.6	ng/L		01/28/22 05:05	01/31/22 00:04	1
NEtFOSE	<0.98		2.3	0.98	ng/L		01/28/22 05:05	01/31/22 00:04	1
4:2 FTS	<0.28		2.3	0.28	ng/L		01/28/22 05:05	01/31/22 00:04	1
6:2 FTS	**13**		5.8	2.9	ng/L		01/28/22 05:05	01/31/22 00:04	1
8:2 FTS	**36**		2.3	0.53	ng/L		01/28/22 05:05	01/31/22 00:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.46		2.3	0.46	ng/L		01/28/22 05:05	01/31/22 00:04	1
HFPO-DA (GenX)	<1.7		4.6	1.7	ng/L		01/28/22 05:05	01/31/22 00:04	1
9Cl-PF3ONS	<0.28		2.3	0.28	ng/L		01/28/22 05:05	01/31/22 00:04	1
11Cl-PF3OUdS	<0.37		2.3	0.37	ng/L		01/28/22 05:05	01/31/22 00:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*103*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
13C5 PFPeA	*96*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
13C2 PFHxA	*71*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
13C4 PFHpA	*88*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
13C4 PFOA	*102*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
13C5 PFNA	*93*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
13C2 PFDA	*88*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
13C2 PFUnA	*90*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
13C2 PFDoA	*95*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
13C2 PFTeDA	*98*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
13C3 PFBS	*75*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
18O2 PFHxS	*96*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
13C4 PFOS	*89*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
13C8 FOSA	*88*		*10 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
d3-NMeFOSAA	*75*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
d-N-MeFOSA-M	*81*		*10 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
d-N-EtFOSA-M	*77*		*10 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
d7-N-MeFOSE-M	*83*		*10 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
d9-N-EtFOSE-M	*91*		*10 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*
M2-4:2 FTS	*60*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:04*	*1*

Client Sample ID: MP-03-(083-117)-202201

Lab Sample ID: 320-84210-33

Date Collected: 01/19/22 13:47
Matrix: Water
Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	93		25 - 150	01/28/22 05:05	01/31/22 00:04	1
M2-8:2 FTS	88		25 - 150	01/28/22 05:05	01/31/22 00:04	1
13C3 HFPO-DA	78		25 - 150	01/28/22 05:05	01/31/22 00:04	1
13C2 10:2 FTS	123		25 - 150	01/28/22 05:05	01/31/22 00:04	1

Client Sample ID: MP-03-(120-157)-202201

Lab Sample ID: 320-84210-34

Date Collected: 01/19/22 13:26
Matrix: Water
Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**17**		5.3	2.5	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluoropentanoic acid (PFPeA)	**27**		2.1	0.52	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluorohexanoic acid (PFHxA)	**15**		2.1	0.61	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluoroheptanoic acid (PFHpA)	**12**		2.1	0.26	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluorooctanoic acid (PFOA)	**7.1**		2.1	0.89	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluorodecanoic acid (PFDA)	<0.33		2.1	0.33	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluoroundecanoic acid (PFUnA)	<1.2		2.1	1.2	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluorododecanoic acid (PFDoA)	<0.58		2.1	0.58	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluorotridecanoic acid (PFTrDA)	<1.4		2.1	1.4	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.77		2.1	0.77	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluorobutanesulfonic acid (PFBS)	**0.33**	**J**	2.1	0.21	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluoropentanesulfonic acid (PFPeS)	<0.32		2.1	0.32	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.60		2.1	0.60	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.20		2.1	0.20	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluorooctanesulfonic acid (PFOS)	**1.9**	**J I**	2.1	0.57	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluorononanesulfonic acid (PFNS)	<0.39		2.1	0.39	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.34		2.1	0.34	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		01/28/22 05:05	01/31/22 00:14	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		01/28/22 05:05	01/31/22 00:14	1
NEtFOSA	<0.91		2.1	0.91	ng/L		01/28/22 05:05	01/31/22 00:14	1
NMeFOSA	<0.45		2.1	0.45	ng/L		01/28/22 05:05	01/31/22 00:14	1
NMeFOSAA	<1.3		5.3	1.3	ng/L		01/28/22 05:05	01/31/22 00:14	1
NEtFOSAA	<1.4		5.3	1.4	ng/L		01/28/22 05:05	01/31/22 00:14	1
NMeFOSE	<1.5		4.2	1.5	ng/L		01/28/22 05:05	01/31/22 00:14	1
NEtFOSE	<0.89		2.1	0.89	ng/L		01/28/22 05:05	01/31/22 00:14	1
4:2 FTS	<0.25		2.1	0.25	ng/L		01/28/22 05:05	01/31/22 00:14	1
6:2 FTS	<2.6		5.3	2.6	ng/L		01/28/22 05:05	01/31/22 00:14	1
8:2 FTS	<0.48		2.1	0.48	ng/L		01/28/22 05:05	01/31/22 00:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.42		2.1	0.42	ng/L		01/28/22 05:05	01/31/22 00:14	1
HFPO-DA (GenX)	<1.6		4.2	1.6	ng/L		01/28/22 05:05	01/31/22 00:14	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		01/28/22 05:05	01/31/22 00:14	1
11Cl-PF3OUdS	<0.34		2.1	0.34	ng/L		01/28/22 05:05	01/31/22 00:14	1

Client Sample ID: MP-03-(120-157)-202201

Lab Sample ID: 320-84210-34

Date Collected: 01/19/22 13:26

Matrix: Water

Date Received: 01/26/22 10:00

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	104		25 - 150	01/28/22 05:05	01/31/22 00:14	1
13C5 PFPeA	91		25 - 150	01/28/22 05:05	01/31/22 00:14	1
13C2 PFHxA	69		25 - 150	01/28/22 05:05	01/31/22 00:14	1
13C4 PFHpA	86		25 - 150	01/28/22 05:05	01/31/22 00:14	1
13C4 PFOA	101		25 - 150	01/28/22 05:05	01/31/22 00:14	1
13C5 PFNA	97		25 - 150	01/28/22 05:05	01/31/22 00:14	1
13C2 PFDA	88		25 - 150	01/28/22 05:05	01/31/22 00:14	1
13C2 PFUnA	89		25 - 150	01/28/22 05:05	01/31/22 00:14	1
13C2 PFDoA	92		25 - 150	01/28/22 05:05	01/31/22 00:14	1
13C2 PFTeDA	110		25 - 150	01/28/22 05:05	01/31/22 00:14	1
13C3 PFBS	76		25 - 150	01/28/22 05:05	01/31/22 00:14	1
18O2 PFHxS	97		25 - 150	01/28/22 05:05	01/31/22 00:14	1
13C4 PFOS	98		25 - 150	01/28/22 05:05	01/31/22 00:14	1
13C8 FOSA	86		10 - 150	01/28/22 05:05	01/31/22 00:14	1
d3-NMeFOSAA	75		25 - 150	01/28/22 05:05	01/31/22 00:14	1
d5-NEtFOSAA	90		25 - 150	01/28/22 05:05	01/31/22 00:14	1
d-N-MeFOSA-M	74		10 - 150	01/28/22 05:05	01/31/22 00:14	1
d-N-EtFOSA-M	75		10 - 150	01/28/22 05:05	01/31/22 00:14	1
d7-N-MeFOSE-M	79		10 - 150	01/28/22 05:05	01/31/22 00:14	1
d9-N-EtFOSE-M	88		10 - 150	01/28/22 05:05	01/31/22 00:14	1
M2-4:2 FTS	56		25 - 150	01/28/22 05:05	01/31/22 00:14	1
M2-6:2 FTS	81		25 - 150	01/28/22 05:05	01/31/22 00:14	1
M2-8:2 FTS	96		25 - 150	01/28/22 05:05	01/31/22 00:14	1
13C3 HFPO-DA	75		25 - 150	01/28/22 05:05	01/31/22 00:14	1
13C2 10:2 FTS	136		25 - 150	01/28/22 05:05	01/31/22 00:14	1

Client Sample ID: MP-03-(160-187)-202201

Lab Sample ID: 320-84210-35

Date Collected: 01/19/22 12:06

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**34**		5.2	2.5	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluoropentanoic acid (PFPeA)	**100**		2.1	0.51	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluorohexanoic acid (PFHxA)	**69**		2.1	0.60	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluoroheptanoic acid (PFHpA)	**55**		2.1	0.26	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluorooctanoic acid (PFOA)	**30**		2.1	0.88	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluorononanoic acid (PFNA)	**3.1**		2.1	0.28	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.1	1.3	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluorobutanesulfonic acid (PFBS)	**0.21**	**J**	2.1	0.21	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.20		2.1	0.20	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluorooctanesulfonic acid (PFOS)	**1.1**	**J**	2.1	0.56	ng/L		01/28/22 05:05	01/31/22 00:25	1

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-03-(160-187)-202201
Date Collected: 01/19/22 12:06
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-35
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		01/28/22 05:05	01/31/22 00:25	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		01/28/22 05:05	01/31/22 00:25	1
NEtFOSA	<0.90		2.1	0.90	ng/L		01/28/22 05:05	01/31/22 00:25	1
NMeFOSA	<0.45		2.1	0.45	ng/L		01/28/22 05:05	01/31/22 00:25	1
NMeFOSAA	<1.2		5.2	1.2	ng/L		01/28/22 05:05	01/31/22 00:25	1
NEtFOSAA	<1.3		5.2	1.3	ng/L		01/28/22 05:05	01/31/22 00:25	1
NMeFOSE	<1.5		4.1	1.5	ng/L		01/28/22 05:05	01/31/22 00:25	1
NEtFOSE	<0.88		2.1	0.88	ng/L		01/28/22 05:05	01/31/22 00:25	1
4:2 FTS	**1.8**	**J**	2.1	0.25	ng/L		01/28/22 05:05	01/31/22 00:25	1
6:2 FTS	**310**		5.2	2.6	ng/L		01/28/22 05:05	01/31/22 00:25	1
8:2 FTS	**63**		2.1	0.48	ng/L		01/28/22 05:05	01/31/22 00:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.1	0.41	ng/L		01/28/22 05:05	01/31/22 00:25	1
HFPO-DA (GenX)	<1.6		4.1	1.6	ng/L		01/28/22 05:05	01/31/22 00:25	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		01/28/22 05:05	01/31/22 00:25	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		01/28/22 05:05	01/31/22 00:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*95*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
13C5 PFPeA	*95*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
13C2 PFHxA	*68*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
13C4 PFHpA	*87*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
13C4 PFOA	*104*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
13C5 PFNA	*95*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
13C2 PFDA	*84*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
13C2 PFUnA	*84*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
13C2 PFDoA	*88*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
13C2 PFTeDA	*95*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
13C3 PFBS	*72*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
18O2 PFHxS	*98*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
13C4 PFOS	*93*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
13C8 FOSA	*86*		*10 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
d3-NMeFOSAA	*70*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
d5-NEtFOSAA	*79*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
d-N-MeFOSA-M	*78*		*10 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
d-N-EtFOSA-M	*73*		*10 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
d7-N-MeFOSE-M	*76*		*10 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
d9-N-EtFOSE-M	*89*		*10 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
M2-4:2 FTS	*58*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
M2-6:2 FTS	*88*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
M2-8:2 FTS	*69*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
13C3 HFPO-DA	*77*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*
13C2 10:2 FTS	*97*		*25 - 150*	*01/28/22 05:05*	*01/31/22 00:25*	*1*

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-03-(190-217)-202201
Date Collected: 01/19/22 11:21
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-36
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.0**	**J**	4.9	2.4	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluoropentanoic acid (PFPeA)	**8.1**		2.0	0.48	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluorohexanoic acid (PFHxA)	**5.1**		2.0	0.57	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluoroheptanoic acid (PFHpA)	**12**		2.0	0.25	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluorooctanoic acid (PFOA)	**4.2**		2.0	0.84	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluorononanoic acid (PFNA)	**0.70**	**J**	2.0	0.27	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		01/28/22 05:05	02/09/22 06:30	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		01/28/22 05:05	02/09/22 06:30	1
NEtFOSA	<0.86		2.0	0.86	ng/L		01/28/22 05:05	02/09/22 06:30	1
NMeFOSA	<0.42		2.0	0.42	ng/L		01/28/22 05:05	02/09/22 06:30	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		01/28/22 05:05	02/09/22 06:30	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		01/28/22 05:05	02/09/22 06:30	1
NMeFOSE	<1.4		3.9	1.4	ng/L		01/28/22 05:05	02/09/22 06:30	1
NEtFOSE	<0.84		2.0	0.84	ng/L		01/28/22 05:05	02/09/22 06:30	1
4:2 FTS	<0.24		2.0	0.24	ng/L		01/28/22 05:05	02/09/22 06:30	1
6:2 FTS	**8.6**		4.9	2.5	ng/L		01/28/22 05:05	02/09/22 06:30	1
8:2 FTS	**8.0**		2.0	0.45	ng/L		01/28/22 05:05	02/09/22 06:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		01/28/22 05:05	02/09/22 06:30	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		01/28/22 05:05	02/09/22 06:30	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		01/28/22 05:05	02/09/22 06:30	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		01/28/22 05:05	02/09/22 06:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:30*	*1*
13C5 PFPeA	*108*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:30*	*1*
13C2 PFHxA	*102*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:30*	*1*
13C4 PFHpA	*92*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:30*	*1*
13C4 PFOA	*96*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:30*	*1*
13C5 PFNA	*99*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:30*	*1*
13C2 PFDA	*96*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:30*	*1*
13C2 PFUnA	*107*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:30*	*1*
13C2 PFDoA	*91*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:30*	*1*
13C2 PFTeDA	*110*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:30*	*1*
13C3 PFBS	*107*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:30*	*1*
18O2 PFHxS	*90*		*25 - 150*	*01/28/22 05:05*	*02/09/22 06:30*	*1*

Client Sample ID: MP-03-(190-217)-202201

Lab Sample ID: 320-84210-36

Date Collected: 01/19/22 11:21

Matrix: Water

Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	106		25 - 150	01/28/22 05:05	02/09/22 06:30	1
13C8 FOSA	104		10 - 150	01/28/22 05:05	02/09/22 06:30	1
d3-NMeFOSAA	113		25 - 150	01/28/22 05:05	02/09/22 06:30	1
d5-NEtFOSAA	134		25 - 150	01/28/22 05:05	02/09/22 06:30	1
d-N-MeFOSA-M	91		10 - 150	01/28/22 05:05	02/09/22 06:30	1
d-N-EtFOSA-M	84		10 - 150	01/28/22 05:05	02/09/22 06:30	1
d7-N-MeFOSE-M	85		10 - 150	01/28/22 05:05	02/09/22 06:30	1
d9-N-EtFOSE-M	82		10 - 150	01/28/22 05:05	02/09/22 06:30	1
M2-4:2 FTS	93		25 - 150	01/28/22 05:05	02/09/22 06:30	1
M2-6:2 FTS	84		25 - 150	01/28/22 05:05	02/09/22 06:30	1
M2-8:2 FTS	103		25 - 150	01/28/22 05:05	02/09/22 06:30	1
13C3 HFPO-DA	94		25 - 150	01/28/22 05:05	02/09/22 06:30	1
13C2 10:2 FTS	105		25 - 150	01/28/22 05:05	02/09/22 06:30	1

Client Sample ID: MP-03-(220-242)-202201

Lab Sample ID: 320-84210-37

Date Collected: 01/19/22 11:04

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.8		5.8	2.8	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluoropentanoic acid (PFPeA)	<0.56		2.3	0.56	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluorohexanoic acid (PFHxA)	<0.67		2.3	0.67	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluoroheptanoic acid (PFHpA)	<0.29		2.3	0.29	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluorooctanoic acid (PFOA)	<0.98		2.3	0.98	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluorononanoic acid (PFNA)	<0.31		2.3	0.31	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluorodecanoic acid (PFDA)	<0.36		2.3	0.36	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluoroundecanoic acid (PFUnA)	<1.3		2.3	1.3	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluorododecanoic acid (PFDoA)	<0.63		2.3	0.63	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluorotridecanoic acid (PFTrDA)	<1.5		2.3	1.5	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluorotetradecanoic acid (PFTeA)	<0.84		2.3	0.84	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluorobutanesulfonic acid (PFBS)	<0.23		2.3	0.23	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluoropentanesulfonic acid (PFPeS)	<0.35		2.3	0.35	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluorohexanesulfonic acid (PFHxS)	<0.66		2.3	0.66	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.22		2.3	0.22	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluorooctanesulfonic acid (PFOS)	<0.62		2.3	0.62	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluorononanesulfonic acid (PFNS)	<0.43		2.3	0.43	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluorodecanesulfonic acid (PFDS)	<0.37		2.3	0.37	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluorododecanesulfonic acid (PFDoS)	<1.1		2.3	1.1	ng/L		01/28/22 05:05	01/31/22 01:17	1
Perfluorooctanesulfonamide (FOSA)	<1.1		2.3	1.1	ng/L		01/28/22 05:05	01/31/22 01:17	1
NEtFOSA	<1.0		2.3	1.0	ng/L		01/28/22 05:05	01/31/22 01:17	1
NMeFOSA	<0.50		2.3	0.50	ng/L		01/28/22 05:05	01/31/22 01:17	1
NMeFOSAA	<1.4		5.8	1.4	ng/L		01/28/22 05:05	01/31/22 01:17	1
NEtFOSAA	<1.5		5.8	1.5	ng/L		01/28/22 05:05	01/31/22 01:17	1
NMeFOSE	<1.6		4.6	1.6	ng/L		01/28/22 05:05	01/31/22 01:17	1
NEtFOSE	<0.98		2.3	0.98	ng/L		01/28/22 05:05	01/31/22 01:17	1
4:2 FTS	<0.28		2.3	0.28	ng/L		01/28/22 05:05	01/31/22 01:17	1
6:2 FTS	<2.9		5.8	2.9	ng/L		01/28/22 05:05	01/31/22 01:17	1

Client Sample ID: MP-03-(220-242)-202201

Lab Sample ID: 320-84210-37

Date Collected: 01/19/22 11:04

Matrix: Water

Date Received: 01/26/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.53		2.3	0.53	ng/L		01/28/22 05:05	01/31/22 01:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.46		2.3	0.46	ng/L		01/28/22 05:05	01/31/22 01:17	1
HFPO-DA (GenX)	<1.7		4.6	1.7	ng/L		01/28/22 05:05	01/31/22 01:17	1
9Cl-PF3ONS	<0.28		2.3	0.28	ng/L		01/28/22 05:05	01/31/22 01:17	1
11Cl-PF3OUdS	<0.37		2.3	0.37	ng/L		01/28/22 05:05	01/31/22 01:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*58*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
13C5 PFPeA	*55*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
13C2 PFHxA	*49*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
13C4 PFHpA	*54*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
13C4 PFOA	*58*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
13C5 PFNA	*55*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
13C2 PFDA	*45*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
13C2 PFUnA	*46*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
13C2 PFDoA	*45*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
13C2 PFTeDA	*46*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
13C3 PFBS	*42*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
18O2 PFHxS	*55*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
13C4 PFOS	*53*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
13C8 FOSA	*47*		*10 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
d3-NMeFOSAA	*40*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
d5-NEtFOSAA	*45*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
d-N-MeFOSA-M	*36*		*10 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
d-N-EtFOSA-M	*33*		*10 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
d7-N-MeFOSE-M	*36*		*10 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
d9-N-EtFOSE-M	*38*		*10 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
M2-4:2 FTS	*39*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
M2-6:2 FTS	*54*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
M2-8:2 FTS	*53*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
13C3 HFPO-DA	*50*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*
13C2 10:2 FTS	*66*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:17*	*1*

Client Sample ID: MP-03-(245-277)-202201

Lab Sample ID: 320-84210-38

Date Collected: 01/19/22 09:50

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		01/28/22 05:05	01/31/22 01:27	1

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-03-(245-277)-202201
Date Collected: 01/19/22 09:50
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-38
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		01/28/22 05:05	01/31/22 01:27	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		01/28/22 05:05	01/31/22 01:27	1
NEtFOSA	<0.87		2.0	0.87	ng/L		01/28/22 05:05	01/31/22 01:27	1
NMeFOSA	<0.43		2.0	0.43	ng/L		01/28/22 05:05	01/31/22 01:27	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		01/28/22 05:05	01/31/22 01:27	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		01/28/22 05:05	01/31/22 01:27	1
NMeFOSE	<1.4		4.0	1.4	ng/L		01/28/22 05:05	01/31/22 01:27	1
NEtFOSE	<0.85		2.0	0.85	ng/L		01/28/22 05:05	01/31/22 01:27	1
4:2 FTS	<0.24		2.0	0.24	ng/L		01/28/22 05:05	01/31/22 01:27	1
6:2 FTS	<2.5		5.0	2.5	ng/L		01/28/22 05:05	01/31/22 01:27	1
8:2 FTS	<0.46		2.0	0.46	ng/L		01/28/22 05:05	01/31/22 01:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		01/28/22 05:05	01/31/22 01:27	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		01/28/22 05:05	01/31/22 01:27	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		01/28/22 05:05	01/31/22 01:27	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		01/28/22 05:05	01/31/22 01:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*104*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
13C5 PFPeA	*99*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
13C2 PFHxA	*79*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
13C4 PFHpA	*104*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
13C4 PFOA	*97*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
13C5 PFNA	*92*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
13C2 PFDA	*88*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
13C2 PFUnA	*86*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
13C2 PFDoA	*98*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
13C2 PFTeDA	*107*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
13C3 PFBS	*78*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
18O2 PFHxS	*106*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
13C4 PFOS	*97*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
13C8 FOSA	*87*		*10 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
d3-NMeFOSAA	*80*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
d5-NEtFOSAA	*90*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
d-N-MeFOSA-M	*76*		*10 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
d-N-EtFOSA-M	*76*		*10 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
d7-N-MeFOSE-M	*90*		*10 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
d9-N-EtFOSE-M	*90*		*10 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
M2-4:2 FTS	*58*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
M2-8:2 FTS	*83*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*

Client Sample ID: MP-03-(245-277)-202201

Lab Sample ID: 320-84210-38

Date Collected: 01/19/22 09:50
Matrix: Water
Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 HFPO-DA	*90*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*
13C2 10:2 FTS	*123*		*25 - 150*	*01/28/22 05:05*	*01/31/22 01:27*	*1*

Client Sample ID: MP-03-(280-300)-202201

Lab Sample ID: 320-84210-39

Date Collected: 01/19/22 09:28
Matrix: Water
Date Received: 01/26/22 10:00

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		01/27/22 19:25	01/28/22 11:41	1
Perfluoropentanoic acid (PFPeA)	**1.7**	**J**	2.0	0.48	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluorohexanoic acid (PFHxA)	**1.0**	**J**	2.0	0.57	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluoroheptanoic acid (PFHpA)	**2.2**		2.0	0.24	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluorooctanoic acid (PFOA)	**1.2**	**J**	2.0	0.83	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluorohexanesulfonic acid (PFHxS)	<0.56		2.0	0.56	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluorooctanesulfonic acid (PFOS)	<0.53		2.0	0.53	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		01/27/22 19:25	01/28/22 11:41	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		01/27/22 19:25	01/28/22 11:41	1
NEtFOSA	<0.85		2.0	0.85	ng/L		01/27/22 19:25	01/28/22 11:41	1
NMeFOSA	<0.42		2.0	0.42	ng/L		01/27/22 19:25	01/28/22 11:41	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		01/27/22 19:25	01/28/22 11:41	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		01/27/22 19:25	01/28/22 11:41	1
NMeFOSE	<1.4		3.9	1.4	ng/L		01/27/22 19:25	01/28/22 11:41	1
NEtFOSE	<0.83		2.0	0.83	ng/L		01/27/22 19:25	01/28/22 11:41	1
4:2 FTS	<0.23		2.0	0.23	ng/L		01/27/22 19:25	01/28/22 11:41	1
6:2 FTS	<2.4		4.9	2.4	ng/L		01/27/22 19:25	01/28/22 11:41	1
8:2 FTS	**2.5**		2.0	0.45	ng/L		01/27/22 19:25	01/28/22 11:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		01/27/22 19:25	01/28/22 11:41	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		01/27/22 19:25	01/28/22 11:41	1
9Cl-PF3ONS	<0.23		2.0	0.23	ng/L		01/27/22 19:25	01/28/22 11:41	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		01/27/22 19:25	01/28/22 11:41	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	*87*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:41*	*1*
13C5 PFPeA	*95*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:41*	*1*
13C2 PFHxA	*96*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:41*	*1*
13C4 PFHpA	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:41*	*1*

Client Sample ID: MP-03-(280-300)-202201

Lab Sample ID: 320-84210-39

Date Collected: 01/19/22 09:28

Matrix: Water

Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	99		25 - 150	01/27/22 19:25	01/28/22 11:41	1
13C5 PFNA	103		25 - 150	01/27/22 19:25	01/28/22 11:41	1
13C2 PFDA	94		25 - 150	01/27/22 19:25	01/28/22 11:41	1
13C2 PFUnA	99		25 - 150	01/27/22 19:25	01/28/22 11:41	1
13C2 PFDoA	100		25 - 150	01/27/22 19:25	01/28/22 11:41	1
13C2 PFTeDA	97		25 - 150	01/27/22 19:25	01/28/22 11:41	1
13C3 PFBS	94		25 - 150	01/27/22 19:25	01/28/22 11:41	1
18O2 PFHxS	99		25 - 150	01/27/22 19:25	01/28/22 11:41	1
13C4 PFOS	99		25 - 150	01/27/22 19:25	01/28/22 11:41	1
13C8 FOSA	95		10 - 150	01/27/22 19:25	01/28/22 11:41	1
d3-NMeFOSAA	92		25 - 150	01/27/22 19:25	01/28/22 11:41	1
d5-NEtFOSAA	110		25 - 150	01/27/22 19:25	01/28/22 11:41	1
d-N-MeFOSA-M	76		10 - 150	01/27/22 19:25	01/28/22 11:41	1
d-N-EtFOSA-M	75		10 - 150	01/27/22 19:25	01/28/22 11:41	1
d7-N-MeFOSE-M	84		10 - 150	01/27/22 19:25	01/28/22 11:41	1
d9-N-EtFOSE-M	89		10 - 150	01/27/22 19:25	01/28/22 11:41	1
M2-4:2 FTS	89		25 - 150	01/27/22 19:25	01/28/22 11:41	1
M2-6:2 FTS	90		25 - 150	01/27/22 19:25	01/28/22 11:41	1
M2-8:2 FTS	102		25 - 150	01/27/22 19:25	01/28/22 11:41	1
13C3 HFPO-DA	86		25 - 150	01/27/22 19:25	01/28/22 11:41	1
13C2 10:2 FTS	132		25 - 150	01/27/22 19:25	01/28/22 11:41	1

Client Sample ID: DUP-02-202201

Lab Sample ID: 320-84210-40

Date Collected: 01/19/22 00:00

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**31**		5.1	2.5	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluoropentanoic acid (PFPeA)	**98**		2.1	0.50	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluorohexanoic acid (PFHxA)	**70**		2.1	0.60	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluoroheptanoic acid (PFHpA)	**54**		2.1	0.26	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluorooctanoic acid (PFOA)	**32**		2.1	0.88	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluorononanoic acid (PFNA)	**3.4**		2.1	0.28	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.1	1.3	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.1	0.75	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.20		2.1	0.20	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluorooctanesulfonic acid (PFOS)	**1.3**	**J**	2.1	0.56	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		01/27/22 19:25	01/28/22 11:52	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		01/27/22 19:25	01/28/22 11:52	1

Client Sample ID: DUP-02-202201

Lab Sample ID: 320-84210-40

Date Collected: 01/19/22 00:00

Matrix: Water

Date Received: 01/26/22 10:00

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		01/27/22 19:25	01/28/22 11:52	1
NEtFOSA	<0.90		2.1	0.90	ng/L		01/27/22 19:25	01/28/22 11:52	1
NMeFOSA	<0.44		2.1	0.44	ng/L		01/27/22 19:25	01/28/22 11:52	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		01/27/22 19:25	01/28/22 11:52	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		01/27/22 19:25	01/28/22 11:52	1
NMeFOSE	<1.4		4.1	1.4	ng/L		01/27/22 19:25	01/28/22 11:52	1
NEtFOSE	<0.88		2.1	0.88	ng/L		01/27/22 19:25	01/28/22 11:52	1
4:2 FTS	**1.4**	**J**	2.1	0.25	ng/L		01/27/22 19:25	01/28/22 11:52	1
6:2 FTS	**320**		5.1	2.6	ng/L		01/27/22 19:25	01/28/22 11:52	1
8:2 FTS	**51**		2.1	0.47	ng/L		01/27/22 19:25	01/28/22 11:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.1	0.41	ng/L		01/27/22 19:25	01/28/22 11:52	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		01/27/22 19:25	01/28/22 11:52	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		01/27/22 19:25	01/28/22 11:52	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		01/27/22 19:25	01/28/22 11:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
13C5 PFPeA	*96*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
13C2 PFHxA	*92*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
13C4 PFHpA	*104*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
13C4 PFOA	*102*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
13C5 PFNA	*94*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
13C2 PFDA	*95*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
13C2 PFUnA	*94*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
13C2 PFDoA	*103*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
13C2 PFTeDA	*103*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
13C3 PFBS	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
18O2 PFHxS	*100*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
13C4 PFOS	*98*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
13C8 FOSA	*89*		*10 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
d3-NMeFOSAA	*92*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
d5-NEtFOSAA	*91*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
d-N-MeFOSA-M	*77*		*10 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
d-N-EtFOSA-M	*77*		*10 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
d7-N-MeFOSE-M	*87*		*10 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
d9-N-EtFOSE-M	*92*		*10 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
M2-4:2 FTS	*89*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
M2-6:2 FTS	*98*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
M2-8:2 FTS	*89*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
13C3 HFPO-DA	*85*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*
13C2 10:2 FTS	*84*		*25 - 150*	*01/27/22 19:25*	*01/28/22 11:52*	*1*

Client Sample ID: MP-03-EB-202201

Lab Sample ID: 320-84210-41

Date Collected: 01/19/22 15:01

Matrix: Water

Date Received: 01/26/22 10:00

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		01/27/22 19:25	01/28/22 15:40	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		01/27/22 19:25	01/28/22 15:40	1

Client Sample ID: MP-03-EB-202201
Date Collected: 01/19/22 15:01
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-41
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	<0.54		1.9	0.54	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluorooctanoic acid (PFOA)	<0.79		1.9	0.79	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.9	0.53	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.9	0.50	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		01/27/22 19:25	01/28/22 15:40	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		01/27/22 19:25	01/28/22 15:40	1
NEtFOSA	<0.81		1.9	0.81	ng/L		01/27/22 19:25	01/28/22 15:40	1
NMeFOSA	<0.40		1.9	0.40	ng/L		01/27/22 19:25	01/28/22 15:40	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		01/27/22 19:25	01/28/22 15:40	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		01/27/22 19:25	01/28/22 15:40	1
NMeFOSE	<1.3		3.7	1.3	ng/L		01/27/22 19:25	01/28/22 15:40	1
NEtFOSE	<0.79		1.9	0.79	ng/L		01/27/22 19:25	01/28/22 15:40	1
4:2 FTS	<0.22		1.9	0.22	ng/L		01/27/22 19:25	01/28/22 15:40	1
6:2 FTS	<2.3		4.7	2.3	ng/L		01/27/22 19:25	01/28/22 15:40	1
8:2 FTS	<0.43		1.9	0.43	ng/L		01/27/22 19:25	01/28/22 15:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		01/27/22 19:25	01/28/22 15:40	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		01/27/22 19:25	01/28/22 15:40	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		01/27/22 19:25	01/28/22 15:40	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		01/27/22 19:25	01/28/22 15:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:40*	*1*
13C5 PFPeA	*103*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:40*	*1*
13C2 PFHxA	*100*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:40*	*1*
13C4 PFHpA	*107*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:40*	*1*
13C4 PFOA	*104*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:40*	*1*
13C5 PFNA	*102*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:40*	*1*
13C2 PFDA	*103*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:40*	*1*
13C2 PFUnA	*105*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:40*	*1*
13C2 PFDoA	*108*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:40*	*1*
13C2 PFTeDA	*102*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:40*	*1*
13C3 PFBS	*103*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:40*	*1*
18O2 PFHxS	*108*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:40*	*1*
13C4 PFOS	*102*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:40*	*1*
13C8 FOSA	*92*		*10 - 150*	*01/27/22 19:25*	*01/28/22 15:40*	*1*

Client Sample ID: MP-03-EB-202201

Lab Sample ID: 320-84210-41

Date Collected: 01/19/22 15:01

Matrix: Water

Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	95		25 - 150	01/27/22 19:25	01/28/22 15:40	1
d5-NEtFOSAA	95		25 - 150	01/27/22 19:25	01/28/22 15:40	1
d-N-MeFOSA-M	77		10 - 150	01/27/22 19:25	01/28/22 15:40	1
d-N-EtFOSA-M	82		10 - 150	01/27/22 19:25	01/28/22 15:40	1
d7-N-MeFOSE-M	97		10 - 150	01/27/22 19:25	01/28/22 15:40	1
d9-N-EtFOSE-M	100		10 - 150	01/27/22 19:25	01/28/22 15:40	1
M2-4:2 FTS	89		25 - 150	01/27/22 19:25	01/28/22 15:40	1
M2-6:2 FTS	94		25 - 150	01/27/22 19:25	01/28/22 15:40	1
M2-8:2 FTS	93		25 - 150	01/27/22 19:25	01/28/22 15:40	1
13C3 HFPO-DA	95		25 - 150	01/27/22 19:25	01/28/22 15:40	1
13C2 10:2 FTS	104		25 - 150	01/27/22 19:25	01/28/22 15:40	1

Client Sample ID: MP-04-(048-077)-202201

Lab Sample ID: 320-84210-42

Date Collected: 01/18/22 16:05

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**8.1**		5.2	2.5	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluoropentanoic acid (PFPeA)	**27**		2.1	0.51	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluorohexanoic acid (PFHxA)	**21**		2.1	0.60	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluoroheptanoic acid (PFHpA)	**5.9**		2.1	0.26	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluorooctanoic acid (PFOA)	**7.0**		2.1	0.88	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.1	1.3	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.1	0.75	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.20		2.1	0.20	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		01/27/22 19:25	01/28/22 15:51	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		01/27/22 19:25	01/28/22 15:51	1
NEtFOSA	<0.90		2.1	0.90	ng/L		01/27/22 19:25	01/28/22 15:51	1
NMeFOSA	<0.44		2.1	0.44	ng/L		01/27/22 19:25	01/28/22 15:51	1
NMeFOSAA	<1.2		5.2	1.2	ng/L		01/27/22 19:25	01/28/22 15:51	1
NEtFOSAA	<1.3		5.2	1.3	ng/L		01/27/22 19:25	01/28/22 15:51	1
NMeFOSE	<1.4		4.1	1.4	ng/L		01/27/22 19:25	01/28/22 15:51	1
NEtFOSE	<0.88		2.1	0.88	ng/L		01/27/22 19:25	01/28/22 15:51	1
4:2 FTS	**1.4**	**J**	2.1	0.25	ng/L		01/27/22 19:25	01/28/22 15:51	1
6:2 FTS	**150**		5.2	2.6	ng/L		01/27/22 19:25	01/28/22 15:51	1
8:2 FTS	**2.7**		2.1	0.47	ng/L		01/27/22 19:25	01/28/22 15:51	1

Client Sample ID: MP-04-(048-077)-202201

Lab Sample ID: 320-84210-42

Date Collected: 01/18/22 16:05

Matrix: Water

Date Received: 01/26/22 10:00

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)	<0.41		2.1	0.41	ng/L		01/27/22 19:25	01/28/22 15:51	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		01/27/22 19:25	01/28/22 15:51	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		01/27/22 19:25	01/28/22 15:51	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		01/27/22 19:25	01/28/22 15:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
13C5 PFPeA	*97*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
13C2 PFHxA	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
13C4 PFHpA	*103*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
13C4 PFOA	*104*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
13C5 PFNA	*96*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
13C2 PFDA	*98*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
13C2 PFUnA	*104*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
13C2 PFDoA	*98*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
13C2 PFTeDA	*106*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
13C3 PFBS	*95*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
18O2 PFHxS	*102*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
13C4 PFOS	*98*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
13C8 FOSA	*95*		*10 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
d3-NMeFOSAA	*93*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
d5-NEtFOSAA	*102*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
d-N-MeFOSA-M	*83*		*10 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
d-N-EtFOSA-M	*77*		*10 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
d7-N-MeFOSE-M	*91*		*10 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
d9-N-EtFOSE-M	*96*		*10 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
M2-4:2 FTS	*89*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
M2-6:2 FTS	*90*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
M2-8:2 FTS	*100*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
13C3 HFPO-DA	*87*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*
13C2 10:2 FTS	*131*		*25 - 150*	*01/27/22 19:25*	*01/28/22 15:51*	*1*

Client Sample ID: MP-04-(080-112)-202201

Lab Sample ID: 320-84210-43

Date Collected: 01/18/22 15:49

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**29**		5.2	2.5	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluoropentanoic acid (PFPeA)	**120**		2.1	0.51	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluorohexanoic acid (PFHxA)	**92**		2.1	0.60	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluoroheptanoic acid (PFHpA)	**23**		2.1	0.26	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluorooctanoic acid (PFOA)	**33**		2.1	0.88	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluorononanoic acid (PFNA)	**1.3**	**J**	2.1	0.28	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.1	1.3	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		01/27/22 19:25	01/28/22 16:01	1

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-04-(080-112)-202201
Date Collected: 01/18/22 15:49
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-43
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	**0.34**	**J**	2.1	0.21	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluorohexanesulfonic acid (PFHxS)	**0.86**	**J**	2.1	0.59	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.20		2.1	0.20	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		01/27/22 19:25	01/28/22 16:01	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		01/27/22 19:25	01/28/22 16:01	1
NEtFOSA	<0.90		2.1	0.90	ng/L		01/27/22 19:25	01/28/22 16:01	1
NMeFOSA	<0.45		2.1	0.45	ng/L		01/27/22 19:25	01/28/22 16:01	1
NMeFOSAA	<1.2		5.2	1.2	ng/L		01/27/22 19:25	01/28/22 16:01	1
NEtFOSAA	<1.3		5.2	1.3	ng/L		01/27/22 19:25	01/28/22 16:01	1
NMeFOSE	<1.5		4.1	1.5	ng/L		01/27/22 19:25	01/28/22 16:01	1
NEtFOSE	<0.88		2.1	0.88	ng/L		01/27/22 19:25	01/28/22 16:01	1
4:2 FTS	**7.8**		2.1	0.25	ng/L		01/27/22 19:25	01/28/22 16:01	1
8:2 FTS	**8.1**		2.1	0.48	ng/L		01/27/22 19:25	01/28/22 16:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.1	0.41	ng/L		01/27/22 19:25	01/28/22 16:01	1
HFPO-DA (GenX)	<1.6		4.1	1.6	ng/L		01/27/22 19:25	01/28/22 16:01	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		01/27/22 19:25	01/28/22 16:01	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		01/27/22 19:25	01/28/22 16:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
13C5 PFPeA	*100*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
13C2 PFHxA	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
13C4 PFHpA	*108*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
13C4 PFOA	*102*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
13C5 PFNA	*93*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
13C2 PFDA	*104*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
13C2 PFUnA	*104*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
13C2 PFDoA	*84*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
13C2 PFTeDA	*97*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
13C3 PFBS	*101*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
18O2 PFHxS	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
13C4 PFOS	*104*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
13C8 FOSA	*100*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
d3-NMeFOSAA	*85*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
d5-NEtFOSAA	*103*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
d-N-MeFOSA-M	*81*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
d-N-EtFOSA-M	*77*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
d7-N-MeFOSE-M	*80*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
d9-N-EtFOSE-M	*87*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
M2-4:2 FTS	*95*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
M2-8:2 FTS	*133*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*
13C3 HFPO-DA	*92*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*

Client Sample ID: MP-04-(080-112)-202201

Lab Sample ID: 320-84210-43

Date Collected: 01/18/22 15:49
Matrix: Water
Date Received: 01/26/22 10:00

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 10:2 FTS	*134*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**750**		26	13	ng/L		01/27/22 19:25	01/30/22 05:58	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*113*		*25 - 150*	*01/27/22 19:25*	*01/30/22 05:58*	*5*

Client Sample ID: MP-04-(115-152)-202201

Lab Sample ID: 320-84210-44

Date Collected: 01/18/22 15:23
Matrix: Water
Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**150**		5.1	2.5	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluoroheptanoic acid (PFHpA)	**130**		2.1	0.26	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluorooctanoic acid (PFOA)	**160**		2.1	0.87	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluorononanoic acid (PFNA)	**8.5**		2.1	0.28	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.1	0.56	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.1	1.3	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.1	0.75	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluorobutanesulfonic acid (PFBS)	**0.62**	**J**	2.1	0.21	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluoropentanesulfonic acid (PFPeS)	**0.56**	**J**	2.1	0.31	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluorohexanesulfonic acid (PFHxS)	**3.5**		2.1	0.58	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.1	0.19	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluorooctanesulfonic acid (PFOS)	**2.9**		2.1	0.55	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		01/27/22 19:25	01/28/22 16:12	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		01/27/22 19:25	01/28/22 16:12	1
NEtFOSA	<0.89		2.1	0.89	ng/L		01/27/22 19:25	01/28/22 16:12	1
NMeFOSA	<0.44		2.1	0.44	ng/L		01/27/22 19:25	01/28/22 16:12	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		01/27/22 19:25	01/28/22 16:12	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		01/27/22 19:25	01/28/22 16:12	1
NMeFOSE	<1.4		4.1	1.4	ng/L		01/27/22 19:25	01/28/22 16:12	1
NEtFOSE	<0.87		2.1	0.87	ng/L		01/27/22 19:25	01/28/22 16:12	1
4:2 FTS	**36**		2.1	0.25	ng/L		01/27/22 19:25	01/28/22 16:12	1
8:2 FTS	**110**		2.1	0.47	ng/L		01/27/22 19:25	01/28/22 16:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.1	0.41	ng/L		01/27/22 19:25	01/28/22 16:12	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		01/27/22 19:25	01/28/22 16:12	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		01/27/22 19:25	01/28/22 16:12	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		01/27/22 19:25	01/28/22 16:12	1

Client Sample ID: MP-04-(115-152)-202201

Lab Sample ID: 320-84210-44

Date Collected: 01/18/22 15:23

Matrix: Water

Date Received: 01/26/22 10:00

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	01/27/22 19:25	01/28/22 16:12	1
13C4 PFHpA	110		25 - 150	01/27/22 19:25	01/28/22 16:12	1
13C4 PFOA	102		25 - 150	01/27/22 19:25	01/28/22 16:12	1
13C5 PFNA	100		25 - 150	01/27/22 19:25	01/28/22 16:12	1
13C2 PFDA	104		25 - 150	01/27/22 19:25	01/28/22 16:12	1
13C2 PFUnA	108		25 - 150	01/27/22 19:25	01/28/22 16:12	1
13C2 PFDoA	101		25 - 150	01/27/22 19:25	01/28/22 16:12	1
13C2 PFTeDA	102		25 - 150	01/27/22 19:25	01/28/22 16:12	1
13C3 PFBS	105		25 - 150	01/27/22 19:25	01/28/22 16:12	1
18O2 PFHxS	107		25 - 150	01/27/22 19:25	01/28/22 16:12	1
13C4 PFOS	100		25 - 150	01/27/22 19:25	01/28/22 16:12	1
13C8 FOSA	99		10 - 150	01/27/22 19:25	01/28/22 16:12	1
d3-NMeFOSAA	96		25 - 150	01/27/22 19:25	01/28/22 16:12	1
d5-NEtFOSAA	99		25 - 150	01/27/22 19:25	01/28/22 16:12	1
d-N-MeFOSA-M	77		10 - 150	01/27/22 19:25	01/28/22 16:12	1
d-N-EtFOSA-M	73		10 - 150	01/27/22 19:25	01/28/22 16:12	1
d7-N-MeFOSE-M	90		10 - 150	01/27/22 19:25	01/28/22 16:12	1
d9-N-EtFOSE-M	95		10 - 150	01/27/22 19:25	01/28/22 16:12	1
M2-4:2 FTS	89		25 - 150	01/27/22 19:25	01/28/22 16:12	1
M2-8:2 FTS	112		25 - 150	01/27/22 19:25	01/28/22 16:12	1
13C3 HFPO-DA	98		25 - 150	01/27/22 19:25	01/28/22 16:12	1
13C2 10:2 FTS	138		25 - 150	01/27/22 19:25	01/28/22 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**610**		41	10	ng/L		01/27/22 19:25	01/30/22 06:08	20
Perfluorohexanoic acid (PFHxA)	**500**		41	12	ng/L		01/27/22 19:25	01/30/22 06:08	20
6:2 FTS	**3400**		100	51	ng/L		01/27/22 19:25	01/30/22 06:08	20

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	102		25 - 150	01/27/22 19:25	01/30/22 06:08	20
13C2 PFHxA	96		25 - 150	01/27/22 19:25	01/30/22 06:08	20
M2-6:2 FTS	105		25 - 150	01/27/22 19:25	01/30/22 06:08	20

Client Sample ID: MP-04-(155-192)-202201

Lab Sample ID: 320-84210-45

Date Collected: 01/18/22 15:07

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**15**		5.0	2.4	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluoropentanoic acid (PFPeA)	**55**		2.0	0.49	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluorohexanoic acid (PFHxA)	**42**		2.0	0.58	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluoroheptanoic acid (PFHpA)	**15**		2.0	0.25	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluorooctanoic acid (PFOA)	**15**		2.0	0.85	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluorononanoic acid (PFNA)	**0.91**	**J**	2.0	0.27	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/27/22 19:25	01/28/22 16:22	1

Client Sample ID: MP-04-(155-192)-202201
Date Collected: 01/18/22 15:07
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-45
Matrix: Water

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		01/27/22 19:25	01/28/22 16:22	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		01/27/22 19:25	01/28/22 16:22	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		01/27/22 19:25	01/28/22 16:22	1
NEtFOSA	<0.87		2.0	0.87	ng/L		01/27/22 19:25	01/28/22 16:22	1
NMeFOSA	<0.43		2.0	0.43	ng/L		01/27/22 19:25	01/28/22 16:22	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		01/27/22 19:25	01/28/22 16:22	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		01/27/22 19:25	01/28/22 16:22	1
NMeFOSE	<1.4		4.0	1.4	ng/L		01/27/22 19:25	01/28/22 16:22	1
NEtFOSE	<0.85		2.0	0.85	ng/L		01/27/22 19:25	01/28/22 16:22	1
4:2 FTS	**2.2**		2.0	0.24	ng/L		01/27/22 19:25	01/28/22 16:22	1
6:2 FTS	**290**		5.0	2.5	ng/L		01/27/22 19:25	01/28/22 16:22	1
8:2 FTS	**15**		2.0	0.46	ng/L		01/27/22 19:25	01/28/22 16:22	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		01/27/22 19:25	01/28/22 16:22	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		01/27/22 19:25	01/28/22 16:22	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		01/27/22 19:25	01/28/22 16:22	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		01/27/22 19:25	01/28/22 16:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
13C5 PFPeA	*102*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
13C2 PFHxA	*95*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
13C4 PFHpA	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
13C4 PFOA	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
13C5 PFNA	*95*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
13C2 PFDA	*97*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
13C2 PFUnA	*95*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
13C2 PFDoA	*74*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
13C2 PFTeDA	*84*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
13C3 PFBS	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
18O2 PFHxS	*100*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
13C4 PFOS	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
13C8 FOSA	*86*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
d3-NMeFOSAA	*80*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
d5-NEtFOSAA	*81*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
d-N-MeFOSA-M	*61*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
d-N-EtFOSA-M	*58*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
d7-N-MeFOSE-M	*64*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
d9-N-EtFOSE-M	*72*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
M2-4:2 FTS	*86*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
M2-6:2 FTS	*92*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
M2-8:2 FTS	*116*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*
13C3 HFPO-DA	*93*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:22*	*1*

Client Sample ID: MP-04-(155-192)-202201

Lab Sample ID: 320-84210-45

Date Collected: 01/18/22 15:07

Matrix: Water

Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 10:2 FTS	102		25 - 150	01/27/22 19:25	01/28/22 16:22	1

Client Sample ID: MP-04-(195-217)-202201

Lab Sample ID: 320-84210-46

Date Collected: 01/18/22 14:39

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**14**		5.2	2.5	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluoropentanoic acid (PFPeA)	**61**		2.1	0.51	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluorohexanoic acid (PFHxA)	**49**		2.1	0.60	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluoroheptanoic acid (PFHpA)	**12**		2.1	0.26	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluorooctanoic acid (PFOA)	**19**		2.1	0.88	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluorononanoic acid (PFNA)	**0.67**	**J**	2.1	0.28	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.1	1.3	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.1	0.75	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.20		2.1	0.20	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		01/27/22 19:25	01/28/22 16:32	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		01/27/22 19:25	01/28/22 16:32	1
NEtFOSA	<0.90		2.1	0.90	ng/L		01/27/22 19:25	01/28/22 16:32	1
NMeFOSA	<0.44		2.1	0.44	ng/L		01/27/22 19:25	01/28/22 16:32	1
NMeFOSAA	<1.2		5.2	1.2	ng/L		01/27/22 19:25	01/28/22 16:32	1
NEtFOSAA	<1.3		5.2	1.3	ng/L		01/27/22 19:25	01/28/22 16:32	1
NMeFOSE	<1.4		4.1	1.4	ng/L		01/27/22 19:25	01/28/22 16:32	1
NEtFOSE	<0.88		2.1	0.88	ng/L		01/27/22 19:25	01/28/22 16:32	1
4:2 FTS	**5.2**		2.1	0.25	ng/L		01/27/22 19:25	01/28/22 16:32	1
8:2 FTS	**4.9**		2.1	0.47	ng/L		01/27/22 19:25	01/28/22 16:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.1	0.41	ng/L		01/27/22 19:25	01/28/22 16:32	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		01/27/22 19:25	01/28/22 16:32	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		01/27/22 19:25	01/28/22 16:32	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		01/27/22 19:25	01/28/22 16:32	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150	01/27/22 19:25	01/28/22 16:32	1
13C5 PFPeA	101		25 - 150	01/27/22 19:25	01/28/22 16:32	1
13C2 PFHxA	97		25 - 150	01/27/22 19:25	01/28/22 16:32	1
13C4 PFHpA	107		25 - 150	01/27/22 19:25	01/28/22 16:32	1
13C4 PFOA	105		25 - 150	01/27/22 19:25	01/28/22 16:32	1
13C5 PFNA	95		25 - 150	01/27/22 19:25	01/28/22 16:32	1

Client Sample ID: MP-04-(195-217)-202201

Lab Sample ID: 320-84210-46

Date Collected: 01/18/22 14:39
Matrix: Water
Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	98		25 - 150	01/27/22 19:25	01/28/22 16:32	1
13C2 PFUnA	106		25 - 150	01/27/22 19:25	01/28/22 16:32	1
13C2 PFDoA	97		25 - 150	01/27/22 19:25	01/28/22 16:32	1
13C2 PFTeDA	96		25 - 150	01/27/22 19:25	01/28/22 16:32	1
13C3 PFBS	94		25 - 150	01/27/22 19:25	01/28/22 16:32	1
18O2 PFHxS	105		25 - 150	01/27/22 19:25	01/28/22 16:32	1
13C4 PFOS	104		25 - 150	01/27/22 19:25	01/28/22 16:32	1
13C8 FOSA	92		10 - 150	01/27/22 19:25	01/28/22 16:32	1
d3-NMeFOSAA	89		25 - 150	01/27/22 19:25	01/28/22 16:32	1
d5-NEtFOSAA	100		25 - 150	01/27/22 19:25	01/28/22 16:32	1
d-N-MeFOSA-M	81		10 - 150	01/27/22 19:25	01/28/22 16:32	1
d-N-EtFOSA-M	75		10 - 150	01/27/22 19:25	01/28/22 16:32	1
d7-N-MeFOSE-M	86		10 - 150	01/27/22 19:25	01/28/22 16:32	1
d9-N-EtFOSE-M	89		10 - 150	01/27/22 19:25	01/28/22 16:32	1
M2-4:2 FTS	83		25 - 150	01/27/22 19:25	01/28/22 16:32	1
M2-8:2 FTS	111		25 - 150	01/27/22 19:25	01/28/22 16:32	1
13C3 HFPO-DA	89		25 - 150	01/27/22 19:25	01/28/22 16:32	1
13C2 10:2 FTS	134		25 - 150	01/27/22 19:25	01/28/22 16:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	**410**		26	13	ng/L		01/27/22 19:25	01/30/22 06:18	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	111		25 - 150	01/27/22 19:25	01/30/22 06:18	5

Client Sample ID: MP-04-(220-242)-202201

Lab Sample ID: 320-84210-47

Date Collected: 01/18/22 14:15
Matrix: Water
Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluoropentanoic acid (PFPeA)	**3.2**		2.0	0.49	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluorohexanoic acid (PFHxA)	**3.1**		2.0	0.59	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluoroheptanoic acid (PFHpA)	**0.69**	**J**	2.0	0.25	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluorooctanoic acid (PFOA)	**1.7**	**J**	2.0	0.86	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluorohexanesulfonic acid (PFHxS)	<0.58		2.0	0.58	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluorooctanesulfonic acid (PFOS)	<0.55		2.0	0.55	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		01/27/22 19:25	01/28/22 16:43	1

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-04-(220-242)-202201
Date Collected: 01/18/22 14:15
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-47
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluorododecanesulfonic acid (PFDoS)	<0.98		2.0	0.98	ng/L		01/27/22 19:25	01/28/22 16:43	1
Perfluorooctanesulfonamide (FOSA)	<0.99		2.0	0.99	ng/L		01/27/22 19:25	01/28/22 16:43	1
NEtFOSA	<0.88		2.0	0.88	ng/L		01/27/22 19:25	01/28/22 16:43	1
NMeFOSA	<0.43		2.0	0.43	ng/L		01/27/22 19:25	01/28/22 16:43	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		01/27/22 19:25	01/28/22 16:43	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		01/27/22 19:25	01/28/22 16:43	1
NMeFOSE	<1.4		4.0	1.4	ng/L		01/27/22 19:25	01/28/22 16:43	1
NEtFOSE	<0.86		2.0	0.86	ng/L		01/27/22 19:25	01/28/22 16:43	1
4:2 FTS	<0.24		2.0	0.24	ng/L		01/27/22 19:25	01/28/22 16:43	1
6:2 FTS	**27**		5.0	2.5	ng/L		01/27/22 19:25	01/28/22 16:43	1
8:2 FTS	**1.9**	**J**	2.0	0.46	ng/L		01/27/22 19:25	01/28/22 16:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		01/27/22 19:25	01/28/22 16:43	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		01/27/22 19:25	01/28/22 16:43	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		01/27/22 19:25	01/28/22 16:43	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		01/27/22 19:25	01/28/22 16:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
13C5 PFPeA	*102*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
13C2 PFHxA	*94*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
13C4 PFHpA	*100*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
13C4 PFOA	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
13C5 PFNA	*87*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
13C2 PFDA	*90*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
13C2 PFUnA	*88*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
13C2 PFDoA	*69*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
13C2 PFTeDA	*62*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
13C3 PFBS	*93*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
18O2 PFHxS	*96*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
13C4 PFOS	*89*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
13C8 FOSA	*69*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
d3-NMeFOSAA	*68*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
d5-NEtFOSAA	*67*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
d-N-MeFOSA-M	*49*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
d-N-EtFOSA-M	*49*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
d7-N-MeFOSE-M	*57*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
d9-N-EtFOSE-M	*59*		*10 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
M2-4:2 FTS	*85*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
M2-6:2 FTS	*88*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
M2-8:2 FTS	*75*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
13C3 HFPO-DA	*89*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*
13C2 10:2 FTS	*53*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:43*	*1*

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-04-(245-272)-202201
Date Collected: 01/18/22 13:41
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-48
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		01/27/22 19:25	01/28/22 16:53	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		01/27/22 19:25	01/28/22 16:53	1
NEtFOSA	<0.87		2.0	0.87	ng/L		01/27/22 19:25	01/28/22 16:53	1
NMeFOSA	<0.43		2.0	0.43	ng/L		01/27/22 19:25	01/28/22 16:53	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		01/27/22 19:25	01/28/22 16:53	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		01/27/22 19:25	01/28/22 16:53	1
NMeFOSE	<1.4		4.0	1.4	ng/L		01/27/22 19:25	01/28/22 16:53	1
NEtFOSE	<0.85		2.0	0.85	ng/L		01/27/22 19:25	01/28/22 16:53	1
4:2 FTS	<0.24		2.0	0.24	ng/L		01/27/22 19:25	01/28/22 16:53	1
6:2 FTS	<2.5		5.0	2.5	ng/L		01/27/22 19:25	01/28/22 16:53	1
8:2 FTS	<0.46		2.0	0.46	ng/L		01/27/22 19:25	01/28/22 16:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		01/27/22 19:25	01/28/22 16:53	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		01/27/22 19:25	01/28/22 16:53	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		01/27/22 19:25	01/28/22 16:53	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		01/27/22 19:25	01/28/22 16:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*97*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:53*	*1*
13C5 PFPeA	*98*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:53*	*1*
13C2 PFHxA	*102*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:53*	*1*
13C4 PFHpA	*104*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:53*	*1*
13C4 PFOA	*107*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:53*	*1*
13C5 PFNA	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:53*	*1*
13C2 PFDA	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:53*	*1*
13C2 PFUnA	*109*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:53*	*1*
13C2 PFDoA	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:53*	*1*
13C2 PFTeDA	*102*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:53*	*1*
13C3 PFBS	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:53*	*1*
18O2 PFHxS	*102*		*25 - 150*	*01/27/22 19:25*	*01/28/22 16:53*	*1*

Client Sample ID: MP-04-(245-272)-202201

Lab Sample ID: 320-84210-48

Date Collected: 01/18/22 13:41
Matrix: Water
Date Received: 01/26/22 10:00

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	100		25 - 150	01/27/22 19:25	01/28/22 16:53	1
13C8 FOSA	96		10 - 150	01/27/22 19:25	01/28/22 16:53	1
d3-NMeFOSAA	89		25 - 150	01/27/22 19:25	01/28/22 16:53	1
d5-NEtFOSAA	108		25 - 150	01/27/22 19:25	01/28/22 16:53	1
d-N-MeFOSA-M	80		10 - 150	01/27/22 19:25	01/28/22 16:53	1
d-N-EtFOSA-M	79		10 - 150	01/27/22 19:25	01/28/22 16:53	1
d7-N-MeFOSE-M	91		10 - 150	01/27/22 19:25	01/28/22 16:53	1
d9-N-EtFOSE-M	96		10 - 150	01/27/22 19:25	01/28/22 16:53	1
M2-4:2 FTS	92		25 - 150	01/27/22 19:25	01/28/22 16:53	1
M2-6:2 FTS	96		25 - 150	01/27/22 19:25	01/28/22 16:53	1
M2-8:2 FTS	106		25 - 150	01/27/22 19:25	01/28/22 16:53	1
13C3 HFPO-DA	94		25 - 150	01/27/22 19:25	01/28/22 16:53	1
13C2 10:2 FTS	127		25 - 150	01/27/22 19:25	01/28/22 16:53	1

Client Sample ID: MP-04-(275-291)-202201

Lab Sample ID: 320-84210-49

Date Collected: 01/18/22 12:05
Matrix: Water
Date Received: 01/26/22 10:00

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		01/27/22 19:25	01/28/22 17:35	1
Perfluoropentanoic acid (PFPeA)	**0.68**	**J**	2.1	0.50	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluorohexanoic acid (PFHxA)	**0.67**	**J**	2.1	0.60	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.1	0.26	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluorooctanoic acid (PFOA)	<0.87		2.1	0.87	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.1	1.3	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.1	0.75	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluorobutanesulfonic acid (PFBS)	<0.21		2.1	0.21	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.1	0.31	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluorohexanesulfonic acid (PFHxS)	<0.59		2.1	0.59	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.20		2.1	0.20	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluorooctanesulfonic acid (PFOS)	<0.56		2.1	0.56	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		01/27/22 19:25	01/28/22 17:35	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		01/27/22 19:25	01/28/22 17:35	1
NEtFOSA	<0.90		2.1	0.90	ng/L		01/27/22 19:25	01/28/22 17:35	1
NMeFOSA	<0.44		2.1	0.44	ng/L		01/27/22 19:25	01/28/22 17:35	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		01/27/22 19:25	01/28/22 17:35	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		01/27/22 19:25	01/28/22 17:35	1
NMeFOSE	<1.4		4.1	1.4	ng/L		01/27/22 19:25	01/28/22 17:35	1
NEtFOSE	<0.87		2.1	0.87	ng/L		01/27/22 19:25	01/28/22 17:35	1
4:2 FTS	<0.25		2.1	0.25	ng/L		01/27/22 19:25	01/28/22 17:35	1
6:2 FTS	**2.6**	**J**	5.1	2.6	ng/L		01/27/22 19:25	01/28/22 17:35	1

Client Sample ID: MP-04-(275-291)-202201

Lab Sample ID: 320-84210-49

Date Collected: 01/18/22 12:05

Matrix: Water

Date Received: 01/26/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	<0.47		2.1	0.47	ng/L		01/27/22 19:25	01/28/22 17:35	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.1	0.41	ng/L		01/27/22 19:25	01/28/22 17:35	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		01/27/22 19:25	01/28/22 17:35	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		01/27/22 19:25	01/28/22 17:35	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		01/27/22 19:25	01/28/22 17:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
13C5 PFPeA	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
13C2 PFHxA	*95*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
13C4 PFHpA	*100*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
13C4 PFOA	*104*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
13C5 PFNA	*92*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
13C2 PFDA	*96*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
13C2 PFUnA	*106*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
13C2 PFDoA	*104*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
13C2 PFTeDA	*105*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
13C3 PFBS	*94*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
18O2 PFHxS	*102*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
13C4 PFOS	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
13C8 FOSA	*90*		*10 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
d3-NMeFOSAA	*87*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
d5-NEtFOSAA	*121*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
d-N-MeFOSA-M	*86*		*10 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
d-N-EtFOSA-M	*83*		*10 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
d7-N-MeFOSE-M	*87*		*10 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
d9-N-EtFOSE-M	*91*		*10 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
M2-4:2 FTS	*96*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
M2-6:2 FTS	*101*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
M2-8:2 FTS	*98*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
13C3 HFPO-DA	*90*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*
13C2 10:2 FTS	*105*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:35*	*1*

Client Sample ID: DUP-01-202201

Lab Sample ID: 320-84210-50

Date Collected: 01/18/22 00:00

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**150**		5.1	2.5	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluoroheptanoic acid (PFHpA)	**130**		2.0	0.26	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluorooctanoic acid (PFOA)	**170**		2.0	0.87	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluorononanoic acid (PFNA)	**8.5**		2.0	0.28	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluorodecanoic acid (PFDA)	<0.32		2.0	0.32	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.0	0.75	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluorobutanesulfonic acid (PFBS)	**0.70**	**J**	2.0	0.20	ng/L		01/27/22 19:25	01/28/22 17:45	1

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: DUP-01-202201
Date Collected: 01/18/22 00:00
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-50
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	**0.61**	**J**	2.0	0.31	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluorohexanesulfonic acid (PFHxS)	**3.1**		2.0	0.58	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluorooctanesulfonic acid (PFOS)	**3.1**		2.0	0.55	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.0	0.33	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluorododecanesulfonic acid (PFDoS)	<0.99		2.0	0.99	ng/L		01/27/22 19:25	01/28/22 17:45	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.0	1.0	ng/L		01/27/22 19:25	01/28/22 17:45	1
NEtFOSA	<0.89		2.0	0.89	ng/L		01/27/22 19:25	01/28/22 17:45	1
NMeFOSA	<0.44		2.0	0.44	ng/L		01/27/22 19:25	01/28/22 17:45	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		01/27/22 19:25	01/28/22 17:45	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		01/27/22 19:25	01/28/22 17:45	1
NMeFOSE	<1.4		4.1	1.4	ng/L		01/27/22 19:25	01/28/22 17:45	1
NEtFOSE	<0.87		2.0	0.87	ng/L		01/27/22 19:25	01/28/22 17:45	1
4:2 FTS	**39**		2.0	0.25	ng/L		01/27/22 19:25	01/28/22 17:45	1
8:2 FTS	**120**		2.0	0.47	ng/L		01/27/22 19:25	01/28/22 17:45	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		01/27/22 19:25	01/28/22 17:45	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		01/27/22 19:25	01/28/22 17:45	1
9Cl-PF3ONS	<0.25		2.0	0.25	ng/L		01/27/22 19:25	01/28/22 17:45	1
11Cl-PF3OUdS	<0.33		2.0	0.33	ng/L		01/27/22 19:25	01/28/22 17:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*101*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
13C4 PFHpA	*109*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
13C4 PFOA	*101*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
13C5 PFNA	*104*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
13C2 PFDA	*101*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
13C2 PFUnA	*108*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
13C2 PFDoA	*107*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
13C2 PFTeDA	*108*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
13C3 PFBS	*104*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
18O2 PFHxS	*110*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
13C4 PFOS	*107*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
13C8 FOSA	*97*		*10 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
d3-NMeFOSAA	*94*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
d5-NEtFOSAA	*96*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
d-N-MeFOSA-M	*75*		*10 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
d-N-EtFOSA-M	*78*		*10 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
d7-N-MeFOSE-M	*96*		*10 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
d9-N-EtFOSE-M	*100*		*10 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
M2-4:2 FTS	*90*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
M2-8:2 FTS	*96*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
13C3 HFPO-DA	*104*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*
13C2 10:2 FTS	*120*		*25 - 150*	*01/27/22 19:25*	*01/28/22 17:45*	*1*

Client Sample ID: DUP-01-202201

Lab Sample ID: 320-84210-50

Date Collected: 01/18/22 00:00

Matrix: Water

Date Received: 01/26/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**600**		41	10	ng/L		01/27/22 19:25	01/30/22 06:29	20
Perfluorohexanoic acid (PFHxA)	**500**		41	12	ng/L		01/27/22 19:25	01/30/22 06:29	20
6:2 FTS	**2800**		100	51	ng/L		01/27/22 19:25	01/30/22 06:29	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C5 PFPeA	*104*		*25 - 150*	*01/27/22 19:25*	*01/30/22 06:29*	*20*
13C2 PFHxA	*97*		*25 - 150*	*01/27/22 19:25*	*01/30/22 06:29*	*20*
M2-6:2 FTS	*126*		*25 - 150*	*01/27/22 19:25*	*01/30/22 06:29*	*20*

Client Sample ID: MP-04-EB-202201

Lab Sample ID: 320-84210-51

Date Collected: 01/18/22 16:15

Matrix: Water

Date Received: 01/26/22 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<1.9		3.9	1.9	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluoropentanoic acid (PFPeA)	<0.38		1.6	0.38	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluorohexanoic acid (PFHxA)	<0.45		1.6	0.45	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluoroheptanoic acid (PFHpA)	<0.19		1.6	0.19	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluorooctanoic acid (PFOA)	<0.66		1.6	0.66	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluorononanoic acid (PFNA)	<0.21		1.6	0.21	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluorodecanoic acid (PFDA)	<0.24		1.6	0.24	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluoroundecanoic acid (PFUnA)	<0.85		1.6	0.85	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluorododecanoic acid (PFDoA)	<0.43		1.6	0.43	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluorotridecanoic acid (PFTrDA)	<1.0		1.6	1.0	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluorotetradecanoic acid (PFTeA)	<0.57		1.6	0.57	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluorobutanesulfonic acid (PFBS)	<0.16		1.6	0.16	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluoropentanesulfonic acid (PFPeS)	<0.23		1.6	0.23	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluorohexanesulfonic acid (PFHxS)	<0.44		1.6	0.44	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.15		1.6	0.15	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluorooctanesulfonic acid (PFOS)	<0.42		1.6	0.42	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluorononanesulfonic acid (PFNS)	<0.29		1.6	0.29	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluorodecanesulfonic acid (PFDS)	<0.25		1.6	0.25	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluorododecanesulfonic acid (PFDoS)	<0.75		1.6	0.75	ng/L		01/27/22 19:25	01/28/22 17:56	1
Perfluorooctanesulfonamide (FOSA)	<0.76		1.6	0.76	ng/L		01/27/22 19:25	01/28/22 17:56	1
NEtFOSA	<0.68		1.6	0.68	ng/L		01/27/22 19:25	01/28/22 17:56	1
NMeFOSA	<0.33		1.6	0.33	ng/L		01/27/22 19:25	01/28/22 17:56	1
NMeFOSAA	<0.93		3.9	0.93	ng/L		01/27/22 19:25	01/28/22 17:56	1
NEtFOSAA	<1.0		3.9	1.0	ng/L		01/27/22 19:25	01/28/22 17:56	1
NMeFOSE	<1.1		3.1	1.1	ng/L		01/27/22 19:25	01/28/22 17:56	1
NEtFOSE	<0.66		1.6	0.66	ng/L		01/27/22 19:25	01/28/22 17:56	1
4:2 FTS	<0.19		1.6	0.19	ng/L		01/27/22 19:25	01/28/22 17:56	1
6:2 FTS	<1.9		3.9	1.9	ng/L		01/27/22 19:25	01/28/22 17:56	1
8:2 FTS	<0.36		1.6	0.36	ng/L		01/27/22 19:25	01/28/22 17:56	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.31		1.6	0.31	ng/L		01/27/22 19:25	01/28/22 17:56	1
HFPO-DA (GenX)	<1.2		3.1	1.2	ng/L		01/27/22 19:25	01/28/22 17:56	1
9Cl-PF3ONS	<0.19		1.6	0.19	ng/L		01/27/22 19:25	01/28/22 17:56	1
11Cl-PF3OUdS	<0.25		1.6	0.25	ng/L		01/27/22 19:25	01/28/22 17:56	1

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-04-EB-202201
Date Collected: 01/18/22 16:15
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-51
Matrix: Water

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	99		25 - 150	01/27/22 19:25	01/28/22 17:56	1
13C5 PFPeA	108		25 - 150	01/27/22 19:25	01/28/22 17:56	1
13C2 PFHxA	106		25 - 150	01/27/22 19:25	01/28/22 17:56	1
13C4 PFHpA	113		25 - 150	01/27/22 19:25	01/28/22 17:56	1
13C4 PFOA	110		25 - 150	01/27/22 19:25	01/28/22 17:56	1
13C5 PFNA	105		25 - 150	01/27/22 19:25	01/28/22 17:56	1
13C2 PFDA	103		25 - 150	01/27/22 19:25	01/28/22 17:56	1
13C2 PFUnA	105		25 - 150	01/27/22 19:25	01/28/22 17:56	1
13C2 PFDoA	109		25 - 150	01/27/22 19:25	01/28/22 17:56	1
13C2 PFTeDA	108		25 - 150	01/27/22 19:25	01/28/22 17:56	1
13C3 PFBS	105		25 - 150	01/27/22 19:25	01/28/22 17:56	1
18O2 PFHxS	110		25 - 150	01/27/22 19:25	01/28/22 17:56	1
13C4 PFOS	102		25 - 150	01/27/22 19:25	01/28/22 17:56	1
13C8 FOSA	97		10 - 150	01/27/22 19:25	01/28/22 17:56	1
d3-NMeFOSAA	100		25 - 150	01/27/22 19:25	01/28/22 17:56	1
d5-NEtFOSAA	101		25 - 150	01/27/22 19:25	01/28/22 17:56	1
d-N-MeFOSA-M	84		10 - 150	01/27/22 19:25	01/28/22 17:56	1
d-N-EtFOSA-M	82		10 - 150	01/27/22 19:25	01/28/22 17:56	1
d7-N-MeFOSE-M	100		10 - 150	01/27/22 19:25	01/28/22 17:56	1
d9-N-EtFOSE-M	102		10 - 150	01/27/22 19:25	01/28/22 17:56	1
M2-4:2 FTS	92		25 - 150	01/27/22 19:25	01/28/22 17:56	1
M2-6:2 FTS	104		25 - 150	01/27/22 19:25	01/28/22 17:56	1
M2-8:2 FTS	102		25 - 150	01/27/22 19:25	01/28/22 17:56	1
13C3 HFPO-DA	99		25 - 150	01/27/22 19:25	01/28/22 17:56	1
13C2 10:2 FTS	122		25 - 150	01/27/22 19:25	01/28/22 17:56	1

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-84210-1	MP-02-(153-195)-202201	46	41	32	42	46	42	39	34
320-84210-1 - DL	MP-02-(153-195)-202201								
320-84210-2	MP-02-(198-220)-202201	101	102	78	110	109	100	96	98
320-84210-2 - DL	MP-02-(198-220)-202201								
320-84210-6	DUP-03-202201	41	39	28	44	42	40	34	29
320-84210-6 - DL	DUP-03-202201								
320-84210-8	MP-05-(SWL-065)-202201	52		47	62	60	62	54	50
320-84210-8 - DL	MP-05-(SWL-065)-202201		71						
320-84210-9	DUP-06-202201	49		43	58	59	60	54	46
320-84210-9 - DL	DUP-06-202201		55						
320-84210-11	MP-01-(051-088)-202201	92			98		93	80	82
320-84210-11 - DL	MP-01-(051-088)-202201		118	106		102			
320-84210-12	MP-01-(091-118)-202201	90			87	86	92	88	88
320-84210-12 - DL	MP-01-(091-118)-202201		102	111					
320-84210-13	MP-01-(121-152)-202201	127			138		135	120	114
320-84210-13 - DL	MP-01-(121-152)-202201		101	96		86			
320-84210-14	MP-01-(155-195)-202201	132			133		128	117	113
320-84210-14 - DL	MP-01-(155-195)-202201		100	92		95			
320-84210-15	MP-01-(198-220)-202201	103			105	94	105	95	98
320-84210-15 - DL	MP-01-(198-220)-202201		106	93					
320-84210-19	DUP-05-202201	107			96		105	94	99
320-84210-19 - DL	DUP-05-202201		99	99		86			
320-84210-22 - DL	MW-01-202201		91	96					
320-84210-24 - DL	MW-04-202201								
320-84210-24 - RADL	MW-04-202201	96	107	93	105	97			
320-84210-43 - DL	MP-04-(080-112)-202201								
320-84210-44 - DL	MP-04-(115-152)-202201		102	96					
320-84210-46 - DL	MP-04-(195-217)-202201								
320-84210-50 - DL	DUP-01-202201		104	97					

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-84210-1	MP-02-(153-195)-202201	28	12 *5-	33	47	43	37	33	37
320-84210-1 - DL	MP-02-(153-195)-202201								
320-84210-2	MP-02-(198-220)-202201	99	109	81	111	105	93	97	117
320-84210-2 - DL	MP-02-(198-220)-202201								
320-84210-6	DUP-03-202201	26	14 *5-	30	42	40	35	29	32
320-84210-6 - DL	DUP-03-202201								
320-84210-8	MP-05-(SWL-065)-202201	40	31	48	63	60	52	48	49
320-84210-8 - DL	MP-05-(SWL-065)-202201								
320-84210-9	DUP-06-202201	45	40	44	59	57	51	47	49
320-84210-9 - DL	DUP-06-202201								
320-84210-11	MP-01-(051-088)-202201	84	85	73	104	94	83	82	94
320-84210-11 - DL	MP-01-(051-088)-202201								
320-84210-12	MP-01-(091-118)-202201	84	89	75	95	95	87	88	96
320-84210-12 - DL	MP-01-(091-118)-202201								
320-84210-13	MP-01-(121-152)-202201	115	126	97	137	129	123	113	124
320-84210-13 - DL	MP-01-(121-152)-202201								
320-84210-14	MP-01-(155-195)-202201	114	131	103	138	132	121	113	125

Isotope Dilution Summary

Client: TRC Environmental Corporation
Job ID: 320-84210-1
Project/Site: Rock-Gen Energy Quaterly

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

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-84210-14 - DL	MP-01-(155-195)-202201								
320-84210-15	MP-01-(198-220)-202201	93	109	73	113	101	94	88	110
320-84210-15 - DL	MP-01-(198-220)-202201								
320-84210-19	DUP-05-202201	100	110	75	105	108	97	94	121
320-84210-19 - DL	DUP-05-202201								
320-84210-22 - DL	MW-01-202201								
320-84210-24 - DL	MW-04-202201								
320-84210-24 - RADL	MW-04-202201								
320-84210-43 - DL	MP-04-(080-112)-202201								
320-84210-44 - DL	MP-04-(115-152)-202201								
320-84210-46 - DL	MP-04-(195-217)-202201								
320-84210-50 - DL	DUP-01-202201								

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
320-84210-1	MP-02-(153-195)-202201	19	18	15	15	40		39	35
320-84210-1 - DL	MP-02-(153-195)-202201						54		
320-84210-2	MP-02-(198-220)-202201	77	76	81	91	90		134	81
320-84210-2 - DL	MP-02-(198-220)-202201						102		
320-84210-6	DUP-03-202201	22	18	17	19	33		34	29
320-84210-6 - DL	DUP-03-202201						31		
320-84210-8	MP-05-(SWL-065)-202201	34	29	32	36	59		59	48
320-84210-8 - DL	MP-05-(SWL-065)-202201						54		
320-84210-9	DUP-06-202201	36	33	37	39	52		57	45
320-84210-9 - DL	DUP-06-202201						57		
320-84210-11	MP-01-(051-088)-202201	73	72	75	81	63			78
320-84210-11 - DL	MP-01-(051-088)-202201						153 *5+	104	
320-84210-12	MP-01-(091-118)-202201	80	78	71	73	68		124	75
320-84210-12 - DL	MP-01-(091-118)-202201						123		
320-84210-13	MP-01-(121-152)-202201	98	97	105	115	91			101
320-84210-13 - DL	MP-01-(121-152)-202201						195 *5+	92	
320-84210-14	MP-01-(155-195)-202201	95	94	95	100	97			93
320-84210-14 - DL	MP-01-(155-195)-202201						203 *5+	72	
320-84210-15	MP-01-(198-220)-202201	87	77	80	92	76			83
320-84210-15 - DL	MP-01-(198-220)-202201						134	99	
320-84210-19	DUP-05-202201	87	81	89	96	78			82
320-84210-19 - DL	DUP-05-202201						125	118	
320-84210-22 - DL	MW-01-202201						118		
320-84210-24 - DL	MW-04-202201						70		
320-84210-24 - RADL	MW-04-202201							128	
320-84210-43 - DL	MP-04-(080-112)-202201						113		
320-84210-44 - DL	MP-04-(115-152)-202201						105		
320-84210-46 - DL	MP-04-(195-217)-202201						111		
320-84210-50 - DL	DUP-01-202201						126		

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
dMeFOSA = d-N-MeFOSA-M
dEtFOSA = d-N-EtFOSA-M
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-84210-3	MP-02-(223-250)-202201	98	87	68	96	99	97	86	86
320-84210-4	MP-02-(253-276)-202201	94	85	65	87	92	92	89	89
320-84210-5	MP-02-(279-300)-202201	88	87	65	91	95	94	89	92
320-84210-7	MP-02-EB-202201	86	101	99	96	89	103	103	99
320-84210-10	MP-05-EB-202201	85	81	64	91	88	89	78	78
320-84210-16	MP-01-(223-250)-202201	92	109	98	91	95	108	98	104
320-84210-17	MP-01-(253-274)-202201	93	95	67	94	101	98	90	89
320-84210-18	MP-01-(277-293)-202201	42	46	33	48	53	50	46	43
320-84210-20	MP-01-EB-202201	105	101	79	99	101	102	94	95
320-84210-21	FB-01-202201	102	90	69	90	103	92	82	83
320-84210-23	MW-03-202201	100	95	74	98	102	94	87	89
320-84210-25	MW-05-202201	77	75	65	88	75	74	63	53
320-84210-26	MW-06-202201	101	96	73	99	100	101	89	85
320-84210-27	MW-07-202201	106	105	84	101	105	99	93	96
320-84210-28	PZ-01-202201	101	94	79	98	103	92	84	92
320-84210-29	DUP-04-202201	97	89	73	91	99	87	81	81
320-84210-30	FB-01-202201	96	95	78	106	104	99	86	86
320-84210-31	MW-04-EB-202201	99	97	76	98	106	98	84	83
320-84210-32	MP-03-(046-080)-202201	95	116	107	94	98	111	113	108
320-84210-33	MP-03-(083-117)-202201	103	96	71	88	102	93	88	90
320-84210-34	MP-03-(120-157)-202201	104	91	69	86	101	97	88	89
320-84210-35	MP-03-(160-187)-202201	95	95	68	87	104	95	84	84
320-84210-36	MP-03-(190-217)-202201	87	108	102	92	96	99	96	107
320-84210-37	MP-03-(220-242)-202201	58	55	49	54	58	55	45	46
320-84210-38	MP-03-(245-277)-202201	104	99	79	104	97	92	88	86
320-84210-39	MP-03-(280-300)-202201	87	95	96	99	99	103	94	99
320-84210-40	DUP-02-202201	89	96	92	104	102	94	95	94
320-84210-41	MP-03-EB-202201	96	103	100	107	104	102	103	105
320-84210-42	MP-04-(048-077)-202201	92	97	99	103	104	96	98	104

Isotope Dilution Summary

Client: TRC Environmental Corporation
Job ID: 320-84210-1
Project/Site: Rock-Gen Energy Quaterly

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

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-84210-43	MP-04-(080-112)-202201	93	100	99	108	102	93	104	104
320-84210-45	MP-04-(155-192)-202201	92	102	95	99	99	95	97	95
320-84210-46	MP-04-(195-217)-202201	91	101	97	107	105	95	98	106
320-84210-47	MP-04-(220-242)-202201	89	102	94	100	99	87	90	88
320-84210-48	MP-04-(245-272)-202201	97	98	102	104	107	99	99	109
320-84210-49	MP-04-(275-291)-202201	89	99	95	100	104	92	96	106
320-84210-51	MP-04-EB-202201	99	108	106	113	110	105	103	105
LCS 320-561306/2-A	Lab Control Sample	94	102	97	105	101	97	96	103
LCS 320-561329/2-A	Lab Control Sample	104	94	73	91	101	95	87	93
LCS 320-561330/2-A	Lab Control Sample	81	80	61	78	84	79	74	76
LCSD 320-561306/3-A	Lab Control Sample Dup	94	102	98	105	100	100	99	101
LCSD 320-561329/3-A	Lab Control Sample Dup	101	94	80	101	97	94	94	90
LCSD 320-561330/3-A	Lab Control Sample Dup	88	84	65	86	86	83	80	72
MB 320-561306/1-A	Method Blank	88	88	94	99	98	92	96	96
MB 320-561329/1-A	Method Blank	102	93	71	86	96	94	89	88
MB 320-561330/1-A	Method Blank	86	83	62	91	94	84	76	76

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-84210-3	MP-02-(223-250)-202201	86	92	72	100	96	83	86	95
320-84210-4	MP-02-(253-276)-202201	92	106	70	96	87	87	84	98
320-84210-5	MP-02-(279-300)-202201	76	76	69	99	99	88	82	112
320-84210-7	MP-02-EB-202201	74	98	99	96	109	94	109	123
320-84210-10	MP-05-EB-202201	80	86	63	95	93	80	76	89
320-84210-16	MP-01-(223-250)-202201	82	108	101	97	113	104	117	127
320-84210-17	MP-01-(253-274)-202201	81	97	73	97	97	86	83	100
320-84210-18	MP-01-(277-293)-202201	36	36	36	50	52	43	40	41
320-84210-20	MP-01-EB-202201	99	111	76	99	94	86	89	98
320-84210-21	FB-01-202201	84	97	77	95	91	85	77	79
320-84210-23	MW-03-202201	90	97	78	102	98	86	78	90
320-84210-25	MW-05-202201	50	55	61	81	70	62	46	46
320-84210-26	MW-06-202201	88	96	79	103	97	89	72	84
320-84210-27	MW-07-202201	100	104	88	108	105	90	77	86
320-84210-28	PZ-01-202201	85	92	75	102	92	85	70	79
320-84210-29	DUP-04-202201	81	89	73	98	86	79	71	78
320-84210-30	FB-01-202201	91	95	86	108	95	84	75	85
320-84210-31	MW-04-EB-202201	96	105	75	109	99	87	73	85
320-84210-32	MP-03-(046-080)-202201	67	83	121	98	116	107	101	143
320-84210-33	MP-03-(083-117)-202201	95	98	75	96	89	88	75	86
320-84210-34	MP-03-(120-157)-202201	92	110	76	97	98	86	75	90
320-84210-35	MP-03-(160-187)-202201	88	95	72	98	93	86	70	79
320-84210-36	MP-03-(190-217)-202201	91	110	107	90	106	104	113	134
320-84210-37	MP-03-(220-242)-202201	45	46	42	55	53	47	40	45
320-84210-38	MP-03-(245-277)-202201	98	107	78	106	97	87	80	90
320-84210-39	MP-03-(280-300)-202201	100	97	94	99	99	95	92	110
320-84210-40	DUP-02-202201	103	103	99	100	98	89	92	91
320-84210-41	MP-03-EB-202201	108	102	103	108	102	92	95	95
320-84210-42	MP-04-(048-077)-202201	98	106	95	102	98	95	93	102
320-84210-43	MP-04-(080-112)-202201	84	97	101	99	104	100	85	103
320-84210-45	MP-04-(155-192)-202201	74	84	99	100	99	86	80	81

Isotope Dilution Summary

Client: TRC Environmental Corporation
Job ID: 320-84210-1
Project/Site: Rock-Gen Energy Quaterly

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

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-84210-46	MP-04-(195-217)-202201	97	96	94	105	104	92	89	100
320-84210-47	MP-04-(220-242)-202201	69	62	93	96	89	69	68	67
320-84210-48	MP-04-(245-272)-202201	99	102	99	102	100	96	89	108
320-84210-49	MP-04-(275-291)-202201	104	105	94	102	99	90	87	121
320-84210-51	MP-04-EB-202201	109	108	105	110	102	97	100	101
LCS 320-561306/2-A	Lab Control Sample	98	102	96	106	98	90	98	100
LCS 320-561329/2-A	Lab Control Sample	94	103	83	97	97	84	78	86
LCS 320-561330/2-A	Lab Control Sample	74	83	62	83	83	72	73	83
LCSD 320-561306/3-A	Lab Control Sample Dup	105	106	102	106	106	95	100	99
LCSD 320-561329/3-A	Lab Control Sample Dup	93	100	76	96	97	89	84	87
LCSD 320-561330/3-A	Lab Control Sample Dup	71	84	69	91	83	73	77	83
MB 320-561306/1-A	Method Blank	100	102	97	101	98	90	94	103
MB 320-561329/1-A	Method Blank	90	100	74	94	92	85	79	86
MB 320-561330/1-A	Method Blank	77	88	68	93	85	74	75	86

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
320-84210-3	MP-02-(223-250)-202201	73	69	78	83	67	114	91	73
320-84210-4	MP-02-(253-276)-202201	75	71	75	77	67	103	121	74
320-84210-5	MP-02-(279-300)-202201	67	61	75	67	78	105	130	71
320-84210-7	MP-02-EB-202201	85	79	77	72	93	82	116	90
320-84210-10	MP-05-EB-202201	68	67	73	75	69	92	88	63
320-84210-16	MP-01-(223-250)-202201	93	90	86	97	93	91	95	93
320-84210-17	MP-01-(253-274)-202201	72	67	73	75	67	99	114	78
320-84210-18	MP-01-(277-293)-202201	36	30	29	25	38	57	67	35
320-84210-20	MP-01-EB-202201	77	77	91	96	61	91	93	87
320-84210-21	FB-01-202201	71	72	77	91	62	89	75	80
320-84210-23	MW-03-202201	82	73	82	95	63	88	71	87
320-84210-25	MW-05-202201	43	41	44	48	60	65	48	67
320-84210-26	MW-06-202201	73	77	81	89	64	84	75	79
320-84210-27	MW-07-202201	86	85	91	105	63	91	68	91
320-84210-28	PZ-01-202201	79	73	83	86	62	86	69	84
320-84210-29	DUP-04-202201	69	61	79	85	58	84	65	74
320-84210-30	FB-01-202201	76	74	86	92	78	98	73	82
320-84210-31	MW-04-EB-202201	78	81	89	97	65	92	90	82
320-84210-32	MP-03-(046-080)-202201	86	78	77	65	115	97	158 *5+	102
320-84210-33	MP-03-(083-117)-202201	81	77	83	91	60	93	88	78
320-84210-34	MP-03-(120-157)-202201	74	75	79	88	56	81	96	75
320-84210-35	MP-03-(160-187)-202201	78	73	76	89	58	88	69	77
320-84210-36	MP-03-(190-217)-202201	91	84	85	82	93	84	103	94
320-84210-37	MP-03-(220-242)-202201	36	33	36	38	39	54	53	50
320-84210-38	MP-03-(245-277)-202201	76	76	90	90	58	86	83	90
320-84210-39	MP-03-(280-300)-202201	76	75	84	89	89	90	102	86
320-84210-40	DUP-02-202201	77	77	87	92	89	98	89	85
320-84210-41	MP-03-EB-202201	77	82	97	100	89	94	93	95
320-84210-42	MP-04-(048-077)-202201	83	77	91	96	89	90	100	87
320-84210-43	MP-04-(080-112)-202201	81	77	80	87	95		133	92
320-84210-45	MP-04-(155-192)-202201	61	58	64	72	86	92	116	93
320-84210-46	MP-04-(195-217)-202201	81	75	86	89	83		111	89
320-84210-47	MP-04-(220-242)-202201	49	49	57	59	85	88	75	89

Isotope Dilution Summary

Client: TRC Environmental Corporation
Job ID: 320-84210-1
Project/Site: Rock-Gen Energy Quaterly

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

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)
320-84210-48	MP-04-(245-272)-202201	80	79	91	96	92	96	106	94
320-84210-49	MP-04-(275-291)-202201	86	83	87	91	96	101	98	90
320-84210-51	MP-04-EB-202201	84	82	100	102	92	104	102	99
LCS 320-561306/2-A	Lab Control Sample	78	80	93	98	89	99	95	86
LCS 320-561329/2-A	Lab Control Sample	74	75	89	94	62	92	75	84
LCS 320-561330/2-A	Lab Control Sample	62	60	66	76	64	90	73	63
LCSD 320-561306/3-A	Lab Control Sample Dup	83	88	98	101	96	108	105	84
LCSD 320-561329/3-A	Lab Control Sample Dup	69	77	85	92	59	80	77	80
LCSD 320-561330/3-A	Lab Control Sample Dup	60	58	64	73	70	88	76	71
MB 320-561306/1-A	Method Blank	79	86	91	92	87	95	95	82
MB 320-561329/1-A	Method Blank	78	72	88	95	62	86	74	84
MB 320-561330/1-A	Method Blank	62	64	71	76	68	102	73	68

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M102FTS (25-150)							
320-84210-3	MP-02-(223-250)-202201								
320-84210-4	MP-02-(253-276)-202201								
320-84210-5	MP-02-(279-300)-202201								
320-84210-7	MP-02-EB-202201	106							
320-84210-10	MP-05-EB-202201								
320-84210-16	MP-01-(223-250)-202201	109							
320-84210-17	MP-01-(253-274)-202201								
320-84210-18	MP-01-(277-293)-202201								
320-84210-20	MP-01-EB-202201	129							
320-84210-21	FB-01-202201	84							
320-84210-23	MW-03-202201	87							
320-84210-25	MW-05-202201	46							
320-84210-26	MW-06-202201	82							
320-84210-27	MW-07-202201	93							
320-84210-28	PZ-01-202201	83							
320-84210-29	DUP-04-202201	77							
320-84210-30	FB-01-202201	83							
320-84210-31	MW-04-EB-202201	133							
320-84210-32	MP-03-(046-080)-202201	105							
320-84210-33	MP-03-(083-117)-202201	123							
320-84210-34	MP-03-(120-157)-202201	136							
320-84210-35	MP-03-(160-187)-202201	97							
320-84210-36	MP-03-(190-217)-202201	105							
320-84210-37	MP-03-(220-242)-202201	66							
320-84210-38	MP-03-(245-277)-202201	123							
320-84210-39	MP-03-(280-300)-202201	132							
320-84210-40	DUP-02-202201	84							
320-84210-41	MP-03-EB-202201	104							
320-84210-42	MP-04-(048-077)-202201	131							
320-84210-43	MP-04-(080-112)-202201	134							
320-84210-45	MP-04-(155-192)-202201	102							
320-84210-46	MP-04-(195-217)-202201	134							
320-84210-47	MP-04-(220-242)-202201	53							
320-84210-48	MP-04-(245-272)-202201	127							
320-84210-49	MP-04-(275-291)-202201	105							

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)							
320-84210-51	MP-04-EB-202201	122							
LCS 320-561306/2-A	Lab Control Sample	89							
LCS 320-561329/2-A	Lab Control Sample	91							
LCS 320-561330/2-A	Lab Control Sample								
LCSD 320-561306/3-A	Lab Control Sample Dup	99							
LCSD 320-561329/3-A	Lab Control Sample Dup	80							
LCSD 320-561330/3-A	Lab Control Sample Dup								
MB 320-561306/1-A	Method Blank	82							
MB 320-561329/1-A	Method Blank	85							
MB 320-561330/1-A	Method Blank								

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
dMeFOSA = d-N-MeFOSA-M
dEtFOSA = d-N-EtFOSA-M
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
M102FTS = 13C2 10:2 FTS

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)	PFDoA (25-150)	PFTDA (25-150)
320-84210-22	MW-01-202201	99	100	105	96	90	87	93	93
320-84210-44	MP-04-(115-152)-202201	103	110	102	100	104	108	101	102
320-84210-50	DUP-01-202201	101	109	101	104	101	108	107	108

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)	dMeFOSA (10-150)	dEtFOSA (10-150)
320-84210-22	MW-01-202201	78	104	99	88	77	84	78	73

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	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)	dMeFOSA (10-150)	dEtFOSA (10-150)
320-84210-44	MP-04-(115-152)-202201	105	107	100	99	96	99	77	73
320-84210-50	DUP-01-202201	104	110	107	97	94	96	75	78

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M282FTS (25-150)	HFPODA (25-150)	M102FTS (25-150)		
320-84210-22	MW-01-202201	79	93	68	79	79	81		
320-84210-44	MP-04-(115-152)-202201	90	95	89	112	98	138		
320-84210-50	DUP-01-202201	96	100	90	96	104	120		

Surrogate Legend

PFBA = 13C4 PFBA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
dMeFOSA = d-N-MeFOSA-M
dEtFOSA = d-N-EtFOSA-M
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
M242FTS = M2-4:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
M102FTS = 13C2 10:2 FTS

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)	PFDoA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)
320-84210-24	MW-04-202201	121	103	108	112	127	92	116	117

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)
320-84210-24	MW-04-202201	101	94	111	100	92	103	110	66

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HFPODA (25-150)	M102FTS (25-150)						
320-84210-24	MW-04-202201	101	113						

Surrogate Legend

PFNA = 13C5 PFNA

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

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
HFPODA = 13C3 HFPO-DA
M102FTS = 13C2 10:2 FTS

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-561306/1-A
Matrix: Water
Analysis Batch: 561346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		01/27/22 19:25	01/28/22 10:18	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		01/27/22 19:25	01/28/22 10:18	1
NEtFOSA	<0.87		2.0	0.87	ng/L		01/27/22 19:25	01/28/22 10:18	1
NMeFOSA	<0.43		2.0	0.43	ng/L		01/27/22 19:25	01/28/22 10:18	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		01/27/22 19:25	01/28/22 10:18	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		01/27/22 19:25	01/28/22 10:18	1
NMeFOSE	<1.4		4.0	1.4	ng/L		01/27/22 19:25	01/28/22 10:18	1
NEtFOSE	<0.85		2.0	0.85	ng/L		01/27/22 19:25	01/28/22 10:18	1
4:2 FTS	<0.24		2.0	0.24	ng/L		01/27/22 19:25	01/28/22 10:18	1
6:2 FTS	<2.5		5.0	2.5	ng/L		01/27/22 19:25	01/28/22 10:18	1
8:2 FTS	<0.46		2.0	0.46	ng/L		01/27/22 19:25	01/28/22 10:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		01/27/22 19:25	01/28/22 10:18	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		01/27/22 19:25	01/28/22 10:18	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		01/27/22 19:25	01/28/22 10:18	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		01/27/22 19:25	01/28/22 10:18	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*25 - 150*	*01/27/22 19:25*	*01/28/22 10:18*	*1*
13C5 PFPeA	*88*		*25 - 150*	*01/27/22 19:25*	*01/28/22 10:18*	*1*
13C2 PFHxA	*94*		*25 - 150*	*01/27/22 19:25*	*01/28/22 10:18*	*1*
13C4 PFHpA	*99*		*25 - 150*	*01/27/22 19:25*	*01/28/22 10:18*	*1*
13C4 PFOA	*98*		*25 - 150*	*01/27/22 19:25*	*01/28/22 10:18*	*1*
13C5 PFNA	*92*		*25 - 150*	*01/27/22 19:25*	*01/28/22 10:18*	*1*
13C2 PFDA	*96*		*25 - 150*	*01/27/22 19:25*	*01/28/22 10:18*	*1*
13C2 PFUnA	*96*		*25 - 150*	*01/27/22 19:25*	*01/28/22 10:18*	*1*
13C2 PFDoA	*100*		*25 - 150*	*01/27/22 19:25*	*01/28/22 10:18*	*1*
13C2 PFTeDA	*102*		*25 - 150*	*01/27/22 19:25*	*01/28/22 10:18*	*1*

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

Lab Sample ID: MB 320-561306/1-A
Matrix: Water
Analysis Batch: 561346

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561306

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	97		25 - 150	01/27/22 19:25	01/28/22 10:18	1
18O2 PFHxS	101		25 - 150	01/27/22 19:25	01/28/22 10:18	1
13C4 PFOS	98		25 - 150	01/27/22 19:25	01/28/22 10:18	1
13C8 FOSA	90		10 - 150	01/27/22 19:25	01/28/22 10:18	1
d3-NMeFOSAA	94		25 - 150	01/27/22 19:25	01/28/22 10:18	1
d5-NEtFOSAA	103		25 - 150	01/27/22 19:25	01/28/22 10:18	1
d-N-MeFOSA-M	79		10 - 150	01/27/22 19:25	01/28/22 10:18	1
d-N-EtFOSA-M	86		10 - 150	01/27/22 19:25	01/28/22 10:18	1
d7-N-MeFOSE-M	91		10 - 150	01/27/22 19:25	01/28/22 10:18	1
d9-N-EtFOSE-M	92		10 - 150	01/27/22 19:25	01/28/22 10:18	1
M2-4:2 FTS	87		25 - 150	01/27/22 19:25	01/28/22 10:18	1
M2-6:2 FTS	95		25 - 150	01/27/22 19:25	01/28/22 10:18	1
M2-8:2 FTS	95		25 - 150	01/27/22 19:25	01/28/22 10:18	1
13C3 HFPO-DA	82		25 - 150	01/27/22 19:25	01/28/22 10:18	1
13C2 10:2 FTS	82		25 - 150	01/27/22 19:25	01/28/22 10:18	1

Lab Sample ID: LCS 320-561306/2-A
Matrix: Water
Analysis Batch: 561346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	39.2		ng/L		98	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	35.7		ng/L		89	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	39.7		ng/L		99	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	37.8		ng/L		95	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	37.8		ng/L		95	60 - 135
Perfluorononanoic acid (PFNA)	40.0	38.3		ng/L		96	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	40.2		ng/L		100	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	39.4		ng/L		98	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	41.6		ng/L		104	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	40.0		ng/L		100	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	36.6		ng/L		92	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	35.8		ng/L		101	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	37.5		ng/L		100	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	33.3		ng/L		92	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	40.6		ng/L		107	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	35.9		ng/L		97	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	40.5		ng/L		106	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	39.6		ng/L		103	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	39.0		ng/L		101	60 - 135

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

Lab Sample ID: LCS 320-561306/2-A
Matrix: Water
Analysis Batch: 561346

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanesulfonamide (FOSA)	40.0	40.7		ng/L		102	60 - 135
NEtFOSA	40.0	44.1		ng/L		110	60 - 135
NMeFOSA	40.0	44.1		ng/L		110	60 - 135
NMeFOSAA	40.0	37.9		ng/L		95	60 - 135
NEtFOSAA	40.0	38.9		ng/L		97	60 - 135
NMeFOSE	40.0	38.7		ng/L		97	60 - 135
NEtFOSE	40.0	35.9		ng/L		90	60 - 135
4:2 FTS	37.4	38.9		ng/L		104	60 - 135
6:2 FTS	37.9	37.9		ng/L		100	60 - 135
8:2 FTS	38.3	37.0		ng/L		96	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	40.2		ng/L		107	60 - 135
HFPO-DA (GenX)	40.0	40.4		ng/L		101	60 - 135
9Cl-PF3ONS	37.3	35.1		ng/L		94	60 - 135
11Cl-PF3OUdS	37.7	35.4		ng/L		94	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*94*		*25 - 150*
13C5 PFPeA	*102*		*25 - 150*
13C2 PFHxA	*97*		*25 - 150*
13C4 PFHpA	*105*		*25 - 150*
13C4 PFOA	*101*		*25 - 150*
13C5 PFNA	*97*		*25 - 150*
13C2 PFDA	*96*		*25 - 150*
13C2 PFUnA	*103*		*25 - 150*
13C2 PFDoA	*98*		*25 - 150*
13C2 PFTeDA	*102*		*25 - 150*
13C3 PFBS	*96*		*25 - 150*
18O2 PFHxS	*106*		*25 - 150*
13C4 PFOS	*98*		*25 - 150*
13C8 FOSA	*90*		*10 - 150*
d3-NMeFOSAA	*98*		*25 - 150*
d5-NEtFOSAA	*100*		*25 - 150*
d-N-MeFOSA-M	*78*		*10 - 150*
d-N-EtFOSA-M	*80*		*10 - 150*
d7-N-MeFOSE-M	*93*		*10 - 150*
d9-N-EtFOSE-M	*98*		*10 - 150*
M2-4:2 FTS	*89*		*25 - 150*
M2-6:2 FTS	*99*		*25 - 150*
M2-8:2 FTS	*95*		*25 - 150*
13C3 HFPO-DA	*86*		*25 - 150*
13C2 10:2 FTS	*89*		*25 - 150*

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

Lab Sample ID: LCSD 320-561306/3-A
Matrix: Water
Analysis Batch: 561346

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561306

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	38.3		ng/L		96	60 - 135	2	30
Perfluoropentanoic acid (PFPeA)			40.0	35.1		ng/L		88	60 - 135	2	30
Perfluorohexanoic acid (PFHxA)			40.0	41.0		ng/L		103	60 - 135	3	30
Perfluoroheptanoic acid (PFHpA)			40.0	39.0		ng/L		98	60 - 135	3	30
Perfluorooctanoic acid (PFOA)			40.0	37.8		ng/L		94	60 - 135	0	30
Perfluorononanoic acid (PFNA)			40.0	39.5		ng/L		99	60 - 135	3	30
Perfluorodecanoic acid (PFDA)			40.0	38.3		ng/L		96	60 - 135	5	30
Perfluoroundecanoic acid (PFUnA)			40.0	40.4		ng/L		101	60 - 135	3	30
Perfluorododecanoic acid (PFDoA)			40.0	38.8		ng/L		97	60 - 135	7	30
Perfluorotridecanoic acid (PFTrDA)			40.0	38.4		ng/L		96	60 - 135	4	30
Perfluorotetradecanoic acid (PFTeA)			40.0	36.6		ng/L		92	60 - 135	0	30
Perfluorobutanesulfonic acid (PFBS)			35.4	34.9		ng/L		99	60 - 135	2	30
Perfluoropentanesulfonic acid (PFPeS)			37.5	38.5		ng/L		103	60 - 135	3	30
Perfluorohexanesulfonic acid (PFHxS)			36.4	32.7		ng/L		90	60 - 135	2	30
Perfluoroheptanesulfonic Acid (PFHpS)			38.1	36.4		ng/L		96	60 - 135	11	30
Perfluorooctanesulfonic acid (PFOS)			37.1	34.2		ng/L		92	60 - 135	5	30
Perfluorononanesulfonic acid (PFNS)			38.4	36.8		ng/L		96	60 - 135	9	30
Perfluorodecanesulfonic acid (PFDS)			38.6	35.8		ng/L		93	60 - 135	10	30
Perfluorododecanesulfonic acid (PFDoS)			38.7	35.4		ng/L		92	60 - 135	10	30
Perfluorooctanesulfonamide (FOSA)			40.0	39.8		ng/L		99	60 - 135	2	30
NEtFOSA			40.0	42.0		ng/L		105	60 - 135	5	30
NMeFOSA			40.0	42.4		ng/L		106	60 - 135	4	30
NMeFOSAA			40.0	38.4		ng/L		96	60 - 135	1	30
NEtFOSAA			40.0	38.2		ng/L		95	60 - 135	2	30
NMeFOSE			40.0	37.6		ng/L		94	60 - 135	3	30
NEtFOSE			40.0	37.1		ng/L		93	60 - 135	3	30
4:2 FTS			37.4	39.1		ng/L		105	60 - 135	1	30
6:2 FTS			37.9	33.6		ng/L		88	60 - 135	12	30
8:2 FTS			38.3	34.5		ng/L		90	60 - 135	7	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.7	36.9		ng/L		98	60 - 135	8	30
HFPO-DA (GenX)			40.0	41.1		ng/L		103	60 - 135	2	30
9Cl-PF3ONS			37.3	32.0		ng/L		86	60 - 135	9	30
11Cl-PF3OUdS			37.7	34.4		ng/L		91	60 - 135	3	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*94*		*25 - 150*
13C5 PFPeA	*102*		*25 - 150*
13C2 PFHxA	*98*		*25 - 150*

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

Lab Sample ID: LCSD 320-561306/3-A
Matrix: Water
Analysis Batch: 561346

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561306

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFHpA	*105*		*25 - 150*
13C4 PFOA	*100*		*25 - 150*
13C5 PFNA	*100*		*25 - 150*
13C2 PFDA	*99*		*25 - 150*
13C2 PFUnA	*101*		*25 - 150*
13C2 PFDoA	*105*		*25 - 150*
13C2 PFTeDA	*106*		*25 - 150*
13C3 PFBS	*102*		*25 - 150*
18O2 PFHxS	*106*		*25 - 150*
13C4 PFOS	*106*		*25 - 150*
13C8 FOSA	*95*		*10 - 150*
d3-NMeFOSAA	*100*		*25 - 150*
d5-NEtFOSAA	*99*		*25 - 150*
d-N-MeFOSA-M	*83*		*10 - 150*
d-N-EtFOSA-M	*88*		*10 - 150*
d7-N-MeFOSE-M	*98*		*10 - 150*
d9-N-EtFOSE-M	*101*		*10 - 150*
M2-4:2 FTS	*96*		*25 - 150*
M2-6:2 FTS	*108*		*25 - 150*
M2-8:2 FTS	*105*		*25 - 150*
13C3 HFPO-DA	*84*		*25 - 150*
13C2 10:2 FTS	*99*		*25 - 150*

Lab Sample ID: MB 320-561329/1-A
Matrix: Water
Analysis Batch: 561850

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		01/28/22 05:05	01/30/22 20:46	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		01/28/22 05:05	01/30/22 20:46	1

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

Lab Sample ID: MB 320-561329/1-A
Matrix: Water
Analysis Batch: 561850

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		01/28/22 05:05	01/30/22 20:46	1
NEtFOSA	<0.87		2.0	0.87	ng/L		01/28/22 05:05	01/30/22 20:46	1
NMeFOSA	<0.43		2.0	0.43	ng/L		01/28/22 05:05	01/30/22 20:46	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		01/28/22 05:05	01/30/22 20:46	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		01/28/22 05:05	01/30/22 20:46	1
NMeFOSE	<1.4		4.0	1.4	ng/L		01/28/22 05:05	01/30/22 20:46	1
NEtFOSE	<0.85		2.0	0.85	ng/L		01/28/22 05:05	01/30/22 20:46	1
4:2 FTS	<0.24		2.0	0.24	ng/L		01/28/22 05:05	01/30/22 20:46	1
6:2 FTS	<2.5		5.0	2.5	ng/L		01/28/22 05:05	01/30/22 20:46	1
8:2 FTS	<0.46		2.0	0.46	ng/L		01/28/22 05:05	01/30/22 20:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		01/28/22 05:05	01/30/22 20:46	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		01/28/22 05:05	01/30/22 20:46	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		01/28/22 05:05	01/30/22 20:46	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		01/28/22 05:05	01/30/22 20:46	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*102*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
13C5 PFPeA	*93*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
13C2 PFHxA	*71*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
13C4 PFHpA	*86*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
13C4 PFOA	*96*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
13C5 PFNA	*94*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
13C2 PFDA	*89*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
13C2 PFUnA	*88*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
13C2 PFDoA	*90*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
13C2 PFTeDA	*100*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
13C3 PFBS	*74*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
18O2 PFHxS	*94*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
13C4 PFOS	*92*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
13C8 FOSA	*85*		*10 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
d3-NMeFOSAA	*79*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
d-N-MeFOSA-M	*78*		*10 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
d-N-EtFOSA-M	*72*		*10 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
d7-N-MeFOSE-M	*88*		*10 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
d9-N-EtFOSE-M	*95*		*10 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
M2-4:2 FTS	*62*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
M2-6:2 FTS	*86*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
M2-8:2 FTS	*74*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
13C3 HFPO-DA	*84*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*
13C2 10:2 FTS	*85*		*25 - 150*	*01/28/22 05:05*	*01/30/22 20:46*	*1*

Lab Sample ID: LCS 320-561329/2-A
Matrix: Water
Analysis Batch: 561850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	43.4		ng/L		109	60 - 135

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

Lab Sample ID: LCS 320-561329/2-A
Matrix: Water
Analysis Batch: 561850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoropentanoic acid (PFPeA)	40.0	41.9		ng/L		105	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	43.0		ng/L		107	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	38.2		ng/L		95	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	38.3		ng/L		96	60 - 135
Perfluorononanoic acid (PFNA)	40.0	38.3		ng/L		96	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	42.7		ng/L		107	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	37.6		ng/L		94	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	41.4		ng/L		104	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	40.2		ng/L		100	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	36.4		ng/L		91	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	34.3		ng/L		97	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	32.8		ng/L		87	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	36.9		ng/L		101	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	38.2		ng/L		100	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	33.9		ng/L		91	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	34.4		ng/L		90	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	33.5		ng/L		87	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	38.3		ng/L		99	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	41.4		ng/L		104	60 - 135
NEtFOSA	40.0	40.9		ng/L		102	60 - 135
NMeFOSA	40.0	45.1		ng/L		113	60 - 135
NMeFOSAA	40.0	40.2		ng/L		100	60 - 135
NEtFOSAA	40.0	37.3		ng/L		93	60 - 135
NMeFOSE	40.0	33.8		ng/L		85	60 - 135
NEtFOSE	40.0	39.5		ng/L		99	60 - 135
4:2 FTS	37.4	35.1		ng/L		94	60 - 135
6:2 FTS	37.9	37.8		ng/L		100	60 - 135
8:2 FTS	38.3	43.8		ng/L		114	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	38.1		ng/L		101	60 - 135
HFPO-DA (GenX)	40.0	35.4		ng/L		88	60 - 135
9Cl-PF3ONS	37.3	35.9		ng/L		96	60 - 135
11Cl-PF3OUdS	37.7	38.9		ng/L		103	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*104*		*25 - 150*
13C5 PFPeA	*94*		*25 - 150*
13C2 PFHxA	*73*		*25 - 150*
13C4 PFHpA	*91*		*25 - 150*

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

Lab Sample ID: LCS 320-561329/2-A
Matrix: Water
Analysis Batch: 561850

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561329

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFOA	101		25 - 150
13C5 PFNA	95		25 - 150
13C2 PFDA	87		25 - 150
13C2 PFUnA	93		25 - 150
13C2 PFDoA	94		25 - 150
13C2 PFTeDA	103		25 - 150
13C3 PFBS	83		25 - 150
18O2 PFHxS	97		25 - 150
13C4 PFOS	97		25 - 150
13C8 FOSA	84		10 - 150
d3-NMeFOSAA	78		25 - 150
d5-NEtFOSAA	86		25 - 150
d-N-MeFOSA-M	74		10 - 150
d-N-EtFOSA-M	75		10 - 150
d7-N-MeFOSE-M	89		10 - 150
d9-N-EtFOSE-M	94		10 - 150
M2-4:2 FTS	62		25 - 150
M2-6:2 FTS	92		25 - 150
M2-8:2 FTS	75		25 - 150
13C3 HFPO-DA	84		25 - 150
13C2 10:2 FTS	91		25 - 150

Lab Sample ID: LCSD 320-561329/3-A
Matrix: Water
Analysis Batch: 561850

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561329

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	43.3		ng/L		108	60 - 135	0	30
Perfluoropentanoic acid (PFPeA)			40.0	40.2		ng/L		101	60 - 135	4	30
Perfluorohexanoic acid (PFHxA)			40.0	37.0		ng/L		93	60 - 135	15	30
Perfluoroheptanoic acid (PFHpA)			40.0	36.1		ng/L		90	60 - 135	6	30
Perfluorooctanoic acid (PFOA)			40.0	39.3		ng/L		98	60 - 135	3	30
Perfluorononanoic acid (PFNA)			40.0	40.4		ng/L		101	60 - 135	5	30
Perfluorodecanoic acid (PFDA)			40.0	40.0		ng/L		100	60 - 135	7	30
Perfluoroundecanoic acid (PFUnA)			40.0	40.3		ng/L		101	60 - 135	7	30
Perfluorododecanoic acid (PFDoA)			40.0	43.3		ng/L		108	60 - 135	4	30
Perfluorotridecanoic acid (PFTrDA)			40.0	40.3		ng/L		101	60 - 135	0	30
Perfluorotetradecanoic acid (PFTeA)			40.0	36.7		ng/L		92	60 - 135	1	30
Perfluorobutanesulfonic acid (PFBS)			35.4	35.9		ng/L		101	60 - 135	4	30
Perfluoropentanesulfonic acid (PFPeS)			37.5	34.3		ng/L		91	60 - 135	5	30
Perfluorohexanesulfonic acid (PFHxS)			36.4	37.0		ng/L		102	60 - 135	0	30
Perfluoroheptanesulfonic Acid (PFHpS)			38.1	37.3		ng/L		98	60 - 135	2	30

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

Lab Sample ID: LCSD 320-561329/3-A
Matrix: Water
Analysis Batch: 561850

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561329

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)			37.1	33.7		ng/L		91	60 - 135	1	30
Perfluorononanesulfonic acid (PFNS)			38.4	34.8		ng/L		91	60 - 135	1	30
Perfluorodecanesulfonic acid (PFDS)			38.6	31.1		ng/L		81	60 - 135	7	30
Perfluorododecanesulfonic acid (PFDoS)			38.7	35.4		ng/L		91	60 - 135	8	30
Perfluorooctanesulfonamide (FOSA)			40.0	39.8		ng/L		99	60 - 135	4	30
NEtFOSA			40.0	40.5		ng/L		101	60 - 135	1	30
NMeFOSA			40.0	48.4		ng/L		121	60 - 135	7	30
NMeFOSAA			40.0	38.5		ng/L		96	60 - 135	4	30
NEtFOSAA			40.0	38.1		ng/L		95	60 - 135	2	30
NMeFOSE			40.0	38.1		ng/L		95	60 - 135	12	30
NEtFOSE			40.0	41.6		ng/L		104	60 - 135	5	30
4:2 FTS			37.4	44.8		ng/L		120	60 - 135	24	30
6:2 FTS			37.9	41.5		ng/L		109	60 - 135	9	30
8:2 FTS			38.3	39.7		ng/L		104	60 - 135	10	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.7	38.1		ng/L		101	60 - 135	0	30
HFPO-DA (GenX)			40.0	38.5		ng/L		96	60 - 135	9	30
9Cl-PF3ONS			37.3	35.0		ng/L		94	60 - 135	2	30
11Cl-PF3OUdS			37.7	40.2		ng/L		107	60 - 135	3	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*101*		*25 - 150*
13C5 PFPeA	*94*		*25 - 150*
13C2 PFHxA	*80*		*25 - 150*
13C4 PFHpA	*101*		*25 - 150*
13C4 PFOA	*97*		*25 - 150*
13C5 PFNA	*94*		*25 - 150*
13C2 PFDA	*94*		*25 - 150*
13C2 PFUnA	*90*		*25 - 150*
13C2 PFDoA	*93*		*25 - 150*
13C2 PFTeDA	*100*		*25 - 150*
13C3 PFBS	*76*		*25 - 150*
18O2 PFHxS	*96*		*25 - 150*
13C4 PFOS	*97*		*25 - 150*
13C8 FOSA	*89*		*10 - 150*
d3-NMeFOSAA	*84*		*25 - 150*
d5-NEtFOSAA	*87*		*25 - 150*
d-N-MeFOSA-M	*69*		*10 - 150*
d-N-EtFOSA-M	*77*		*10 - 150*
d7-N-MeFOSE-M	*85*		*10 - 150*
d9-N-EtFOSE-M	*92*		*10 - 150*
M2-4:2 FTS	*59*		*25 - 150*
M2-6:2 FTS	*80*		*25 - 150*
M2-8:2 FTS	*77*		*25 - 150*
13C3 HFPO-DA	*80*		*25 - 150*

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

Lab Sample ID: LCSD 320-561329/3-A
Matrix: Water
Analysis Batch: 561850

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561329

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C2 10:2 FTS	80		25 - 150

Lab Sample ID: MB 320-561330/1-A
Matrix: Water
Analysis Batch: 561689

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		01/28/22 04:38	01/29/22 05:44	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		01/28/22 04:38	01/29/22 05:44	1
NEtFOSA	<0.87		2.0	0.87	ng/L		01/28/22 04:38	01/29/22 05:44	1
NMeFOSA	<0.43		2.0	0.43	ng/L		01/28/22 04:38	01/29/22 05:44	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		01/28/22 04:38	01/29/22 05:44	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		01/28/22 04:38	01/29/22 05:44	1
NMeFOSE	<1.4		4.0	1.4	ng/L		01/28/22 04:38	01/29/22 05:44	1
NEtFOSE	<0.85		2.0	0.85	ng/L		01/28/22 04:38	01/29/22 05:44	1
4:2 FTS	<0.24		2.0	0.24	ng/L		01/28/22 04:38	01/29/22 05:44	1
6:2 FTS	<2.5		5.0	2.5	ng/L		01/28/22 04:38	01/29/22 05:44	1
8:2 FTS	<0.46		2.0	0.46	ng/L		01/28/22 04:38	01/29/22 05:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		01/28/22 04:38	01/29/22 05:44	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		01/28/22 04:38	01/29/22 05:44	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		01/28/22 04:38	01/29/22 05:44	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		01/28/22 04:38	01/29/22 05:44	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150	01/28/22 04:38	01/29/22 05:44	1
13C5 PFPeA	83		25 - 150	01/28/22 04:38	01/29/22 05:44	1
13C2 PFHxA	62		25 - 150	01/28/22 04:38	01/29/22 05:44	1
13C4 PFHpA	91		25 - 150	01/28/22 04:38	01/29/22 05:44	1

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

Lab Sample ID: MB 320-561330/1-A
Matrix: Water
Analysis Batch: 561689

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561330

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOA	94		25 - 150	01/28/22 04:38	01/29/22 05:44	1
13C5 PFNA	84		25 - 150	01/28/22 04:38	01/29/22 05:44	1
13C2 PFDA	76		25 - 150	01/28/22 04:38	01/29/22 05:44	1
13C2 PFUnA	76		25 - 150	01/28/22 04:38	01/29/22 05:44	1
13C2 PFDoA	77		25 - 150	01/28/22 04:38	01/29/22 05:44	1
13C2 PFTeDA	88		25 - 150	01/28/22 04:38	01/29/22 05:44	1
13C3 PFBS	68		25 - 150	01/28/22 04:38	01/29/22 05:44	1
18O2 PFHxS	93		25 - 150	01/28/22 04:38	01/29/22 05:44	1
13C4 PFOS	85		25 - 150	01/28/22 04:38	01/29/22 05:44	1
13C8 FOSA	74		10 - 150	01/28/22 04:38	01/29/22 05:44	1
d3-NMeFOSAA	75		25 - 150	01/28/22 04:38	01/29/22 05:44	1
d5-NEtFOSAA	86		25 - 150	01/28/22 04:38	01/29/22 05:44	1
d-N-MeFOSA-M	62		10 - 150	01/28/22 04:38	01/29/22 05:44	1
d-N-EtFOSA-M	64		10 - 150	01/28/22 04:38	01/29/22 05:44	1
d7-N-MeFOSE-M	71		10 - 150	01/28/22 04:38	01/29/22 05:44	1
d9-N-EtFOSE-M	76		10 - 150	01/28/22 04:38	01/29/22 05:44	1
M2-4:2 FTS	68		25 - 150	01/28/22 04:38	01/29/22 05:44	1
M2-6:2 FTS	102		25 - 150	01/28/22 04:38	01/29/22 05:44	1
M2-8:2 FTS	73		25 - 150	01/28/22 04:38	01/29/22 05:44	1
13C3 HFPO-DA	68		25 - 150	01/28/22 04:38	01/29/22 05:44	1

Lab Sample ID: LCS 320-561330/2-A
Matrix: Water
Analysis Batch: 561689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	45.6		ng/L		114	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	39.1		ng/L		98	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	40.1		ng/L		100	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	38.8		ng/L		97	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	39.3		ng/L		98	60 - 135
Perfluorononanoic acid (PFNA)	40.0	40.4		ng/L		101	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.0		ng/L		102	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	36.5		ng/L		91	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	43.4		ng/L		108	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	42.3		ng/L		106	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	38.5		ng/L		96	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	37.2		ng/L		105	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	40.9		ng/L		109	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.8		ng/L		98	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	38.7		ng/L		102	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	34.9		ng/L		94	60 - 135

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

Lab Sample ID: LCS 320-561330/2-A
Matrix: Water
Analysis Batch: 561689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorononanesulfonic acid (PFNS)	38.4	34.3		ng/L		89	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	32.8		ng/L		85	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	38.7		ng/L		100	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	44.3		ng/L		111	60 - 135
NEtFOSA	40.0	46.0		ng/L		115	60 - 135
NMeFOSA	40.0	41.9		ng/L		105	60 - 135
NMeFOSAA	40.0	38.7		ng/L		97	60 - 135
NEtFOSAA	40.0	36.2		ng/L		90	60 - 135
NMeFOSE	40.0	36.1		ng/L		90	60 - 135
NEtFOSE	40.0	38.0		ng/L		95	60 - 135
4:2 FTS	37.4	41.7		ng/L		112	60 - 135
6:2 FTS	37.9	38.4		ng/L		101	60 - 135
8:2 FTS	38.3	41.7		ng/L		109	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	37.1		ng/L		98	60 - 135
HFPO-DA (GenX)	40.0	37.2		ng/L		93	60 - 135
9Cl-PF3ONS	37.3	35.5		ng/L		95	60 - 135
11Cl-PF3OUdS	37.7	39.4		ng/L		104	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*81*		*25 - 150*
13C5 PFPeA	*80*		*25 - 150*
13C2 PFHxA	*61*		*25 - 150*
13C4 PFHpA	*78*		*25 - 150*
13C4 PFOA	*84*		*25 - 150*
13C5 PFNA	*79*		*25 - 150*
13C2 PFDA	*74*		*25 - 150*
13C2 PFUnA	*76*		*25 - 150*
13C2 PFDoA	*74*		*25 - 150*
13C2 PFTeDA	*83*		*25 - 150*
13C3 PFBS	*62*		*25 - 150*
18O2 PFHxS	*83*		*25 - 150*
13C4 PFOS	*83*		*25 - 150*
13C8 FOSA	*72*		*10 - 150*
d3-NMeFOSAA	*73*		*25 - 150*
d5-NEtFOSAA	*83*		*25 - 150*
d-N-MeFOSA-M	*62*		*10 - 150*
d-N-EtFOSA-M	*60*		*10 - 150*
d7-N-MeFOSE-M	*66*		*10 - 150*
d9-N-EtFOSE-M	*76*		*10 - 150*
M2-4:2 FTS	*64*		*25 - 150*
M2-6:2 FTS	*90*		*25 - 150*
M2-8:2 FTS	*73*		*25 - 150*
13C3 HFPO-DA	*63*		*25 - 150*

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

Lab Sample ID: LCSD 320-561330/3-A
Matrix: Water
Analysis Batch: 561689

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561330

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	43.8		ng/L		110	60 - 135	4	30
Perfluoropentanoic acid (PFPeA)			40.0	39.3		ng/L		98	60 - 135	0	30
Perfluorohexanoic acid (PFHxA)			40.0	41.5		ng/L		104	60 - 135	3	30
Perfluoroheptanoic acid (PFHpA)			40.0	41.2		ng/L		103	60 - 135	6	30
Perfluorooctanoic acid (PFOA)			40.0	39.6		ng/L		99	60 - 135	1	30
Perfluorononanoic acid (PFNA)			40.0	38.7		ng/L		97	60 - 135	5	30
Perfluorodecanoic acid (PFDA)			40.0	38.0		ng/L		95	60 - 135	8	30
Perfluoroundecanoic acid (PFUnA)			40.0	42.1		ng/L		105	60 - 135	14	30
Perfluorododecanoic acid (PFDoA)			40.0	44.1		ng/L		110	60 - 135	2	30
Perfluorotridecanoic acid (PFTrDA)			40.0	44.7		ng/L		112	60 - 135	5	30
Perfluorotetradecanoic acid (PFTeA)			40.0	37.9		ng/L		95	60 - 135	2	30
Perfluorobutanesulfonic acid (PFBS)			35.4	35.6		ng/L		101	60 - 135	4	30
Perfluoropentanesulfonic acid (PFPeS)			37.5	38.8		ng/L		103	60 - 135	5	30
Perfluorohexanesulfonic acid (PFHxS)			36.4	35.4		ng/L		97	60 - 135	1	30
Perfluoroheptanesulfonic Acid (PFHpS)			38.1	39.0		ng/L		103	60 - 135	1	30
Perfluorooctanesulfonic acid (PFOS)			37.1	35.2		ng/L		95	60 - 135	1	30
Perfluorononanesulfonic acid (PFNS)			38.4	34.2		ng/L		89	60 - 135	0	30
Perfluorodecanesulfonic acid (PFDS)			38.6	32.7		ng/L		85	60 - 135	0	30
Perfluorododecanesulfonic acid (PFDoS)			38.7	37.1		ng/L		96	60 - 135	4	30
Perfluorooctanesulfonamide (FOSA)			40.0	44.1		ng/L		110	60 - 135	0	30
NEtFOSA			40.0	46.1		ng/L		115	60 - 135	0	30
NMeFOSA			40.0	47.5		ng/L		119	60 - 135	13	30
NMeFOSAA			40.0	35.5		ng/L		89	60 - 135	9	30
NEtFOSAA			40.0	35.5		ng/L		89	60 - 135	2	30
NMeFOSE			40.0	40.1		ng/L		100	60 - 135	11	30
NEtFOSE			40.0	39.5		ng/L		99	60 - 135	4	30
4:2 FTS			37.4	43.2		ng/L		116	60 - 135	4	30
6:2 FTS			37.9	39.8		ng/L		105	60 - 135	4	30
8:2 FTS			38.3	41.1		ng/L		107	60 - 135	1	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.7	43.2		ng/L		115	60 - 135	15	30
HFPO-DA (GenX)			40.0	38.3		ng/L		96	60 - 135	3	30
9Cl-PF3ONS			37.3	35.9		ng/L		96	60 - 135	1	30
11Cl-PF3OUdS			37.7	39.1		ng/L		104	60 - 135	1	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*88*		*25 - 150*
13C5 PFPeA	*84*		*25 - 150*
13C2 PFHxA	*65*		*25 - 150*

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

Lab Sample ID: LCSD 320-561330/3-A
Matrix: Water
Analysis Batch: 561689

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 561330

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFHpA	86		25 - 150
13C4 PFOA	86		25 - 150
13C5 PFNA	83		25 - 150
13C2 PFDA	80		25 - 150
13C2 PFUnA	72		25 - 150
13C2 PFDoA	71		25 - 150
13C2 PFTeDA	84		25 - 150
13C3 PFBS	69		25 - 150
18O2 PFHxS	91		25 - 150
13C4 PFOS	83		25 - 150
13C8 FOSA	73		10 - 150
d3-NMeFOSAA	77		25 - 150
d5-NEtFOSAA	83		25 - 150
d-N-MeFOSA-M	60		10 - 150
d-N-EtFOSA-M	58		10 - 150
d7-N-MeFOSE-M	64		10 - 150
d9-N-EtFOSE-M	73		10 - 150
M2-4:2 FTS	70		25 - 150
M2-6:2 FTS	88		25 - 150
M2-8:2 FTS	76		25 - 150
13C3 HFPO-DA	71		25 - 150

LCMS

Prep Batch: 561306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84210-39	MP-03-(280-300)-202201	Total/NA	Water	3535	
320-84210-40	DUP-02-202201	Total/NA	Water	3535	
320-84210-41	MP-03-EB-202201	Total/NA	Water	3535	
320-84210-42	MP-04-(048-077)-202201	Total/NA	Water	3535	
320-84210-43 - DL	MP-04-(080-112)-202201	Total/NA	Water	3535	
320-84210-43	MP-04-(080-112)-202201	Total/NA	Water	3535	
320-84210-44	MP-04-(115-152)-202201	Total/NA	Water	3535	
320-84210-44 - DL	MP-04-(115-152)-202201	Total/NA	Water	3535	
320-84210-45	MP-04-(155-192)-202201	Total/NA	Water	3535	
320-84210-46	MP-04-(195-217)-202201	Total/NA	Water	3535	
320-84210-46 - DL	MP-04-(195-217)-202201	Total/NA	Water	3535	
320-84210-47	MP-04-(220-242)-202201	Total/NA	Water	3535	
320-84210-48	MP-04-(245-272)-202201	Total/NA	Water	3535	
320-84210-49	MP-04-(275-291)-202201	Total/NA	Water	3535	
320-84210-50 - DL	DUP-01-202201	Total/NA	Water	3535	
320-84210-50	DUP-01-202201	Total/NA	Water	3535	
320-84210-51	MP-04-EB-202201	Total/NA	Water	3535	
MB 320-561306/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-561306/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-561306/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 561329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84210-20	MP-01-EB-202201	Total/NA	Water	3535	
320-84210-21	FB-01-202201	Total/NA	Water	3535	
320-84210-22 - DL	MW-01-202201	Total/NA	Water	3535	
320-84210-22	MW-01-202201	Total/NA	Water	3535	
320-84210-23	MW-03-202201	Total/NA	Water	3535	
320-84210-24 - RADL	MW-04-202201	Total/NA	Water	3535	
320-84210-24 - DL	MW-04-202201	Total/NA	Water	3535	
320-84210-24	MW-04-202201	Total/NA	Water	3535	
320-84210-25	MW-05-202201	Total/NA	Water	3535	
320-84210-26	MW-06-202201	Total/NA	Water	3535	
320-84210-27	MW-07-202201	Total/NA	Water	3535	
320-84210-28	PZ-01-202201	Total/NA	Water	3535	
320-84210-29	DUP-04-202201	Total/NA	Water	3535	
320-84210-30	FB-01-202201	Total/NA	Water	3535	
320-84210-31	MW-04-EB-202201	Total/NA	Water	3535	
320-84210-32	MP-03-(046-080)-202201	Total/NA	Water	3535	
320-84210-33	MP-03-(083-117)-202201	Total/NA	Water	3535	
320-84210-34	MP-03-(120-157)-202201	Total/NA	Water	3535	
320-84210-35	MP-03-(160-187)-202201	Total/NA	Water	3535	
320-84210-36	MP-03-(190-217)-202201	Total/NA	Water	3535	
320-84210-37	MP-03-(220-242)-202201	Total/NA	Water	3535	
320-84210-38	MP-03-(245-277)-202201	Total/NA	Water	3535	
MB 320-561329/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-561329/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-561329/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

LCMS

Prep Batch: 561330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84210-1 - DL	MP-02-(153-195)-202201	Total/NA	Water	3535	
320-84210-1	MP-02-(153-195)-202201	Total/NA	Water	3535	
320-84210-2 - DL	MP-02-(198-220)-202201	Total/NA	Water	3535	
320-84210-2	MP-02-(198-220)-202201	Total/NA	Water	3535	
320-84210-3	MP-02-(223-250)-202201	Total/NA	Water	3535	
320-84210-4	MP-02-(253-276)-202201	Total/NA	Water	3535	
320-84210-5	MP-02-(279-300)-202201	Total/NA	Water	3535	
320-84210-6 - DL	DUP-03-202201	Total/NA	Water	3535	
320-84210-6	DUP-03-202201	Total/NA	Water	3535	
320-84210-7	MP-02-EB-202201	Total/NA	Water	3535	
320-84210-8 - DL	MP-05-(SWL-065)-202201	Total/NA	Water	3535	
320-84210-8	MP-05-(SWL-065)-202201	Total/NA	Water	3535	
320-84210-9 - DL	DUP-06-202201	Total/NA	Water	3535	
320-84210-9	DUP-06-202201	Total/NA	Water	3535	
320-84210-10	MP-05-EB-202201	Total/NA	Water	3535	
320-84210-11 - DL	MP-01-(051-088)-202201	Total/NA	Water	3535	
320-84210-11	MP-01-(051-088)-202201	Total/NA	Water	3535	
320-84210-12 - DL	MP-01-(091-118)-202201	Total/NA	Water	3535	
320-84210-12	MP-01-(091-118)-202201	Total/NA	Water	3535	
320-84210-13 - DL	MP-01-(121-152)-202201	Total/NA	Water	3535	
320-84210-13	MP-01-(121-152)-202201	Total/NA	Water	3535	
320-84210-14 - DL	MP-01-(155-195)-202201	Total/NA	Water	3535	
320-84210-14	MP-01-(155-195)-202201	Total/NA	Water	3535	
320-84210-15 - DL	MP-01-(198-220)-202201	Total/NA	Water	3535	
320-84210-15	MP-01-(198-220)-202201	Total/NA	Water	3535	
320-84210-16	MP-01-(223-250)-202201	Total/NA	Water	3535	
320-84210-17	MP-01-(253-274)-202201	Total/NA	Water	3535	
320-84210-18	MP-01-(277-293)-202201	Total/NA	Water	3535	
320-84210-19 - DL	DUP-05-202201	Total/NA	Water	3535	
320-84210-19	DUP-05-202201	Total/NA	Water	3535	
MB 320-561330/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-561330/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-561330/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 561346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84210-39	MP-03-(280-300)-202201	Total/NA	Water	537 (modified)	561306
320-84210-40	DUP-02-202201	Total/NA	Water	537 (modified)	561306
MB 320-561306/1-A	Method Blank	Total/NA	Water	537 (modified)	561306
LCS 320-561306/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	561306
LCSD 320-561306/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	561306

Analysis Batch: 561497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84210-41	MP-03-EB-202201	Total/NA	Water	537 (modified)	561306
320-84210-42	MP-04-(048-077)-202201	Total/NA	Water	537 (modified)	561306
320-84210-43	MP-04-(080-112)-202201	Total/NA	Water	537 (modified)	561306
320-84210-44	MP-04-(115-152)-202201	Total/NA	Water	537 (modified)	561306
320-84210-45	MP-04-(155-192)-202201	Total/NA	Water	537 (modified)	561306
320-84210-46	MP-04-(195-217)-202201	Total/NA	Water	537 (modified)	561306
320-84210-47	MP-04-(220-242)-202201	Total/NA	Water	537 (modified)	561306

LCMS (Continued)

Analysis Batch: 561497 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84210-48	MP-04-(245-272)-202201	Total/NA	Water	537 (modified)	561306
320-84210-49	MP-04-(275-291)-202201	Total/NA	Water	537 (modified)	561306
320-84210-50	DUP-01-202201	Total/NA	Water	537 (modified)	561306
320-84210-51	MP-04-EB-202201	Total/NA	Water	537 (modified)	561306

Analysis Batch: 561689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84210-1	MP-02-(153-195)-202201	Total/NA	Water	537 (modified)	561330
320-84210-2	MP-02-(198-220)-202201	Total/NA	Water	537 (modified)	561330
320-84210-3	MP-02-(223-250)-202201	Total/NA	Water	537 (modified)	561330
320-84210-4	MP-02-(253-276)-202201	Total/NA	Water	537 (modified)	561330
320-84210-5	MP-02-(279-300)-202201	Total/NA	Water	537 (modified)	561330
320-84210-6	DUP-03-202201	Total/NA	Water	537 (modified)	561330
320-84210-8	MP-05-(SWL-065)-202201	Total/NA	Water	537 (modified)	561330
320-84210-9	DUP-06-202201	Total/NA	Water	537 (modified)	561330
320-84210-10	MP-05-EB-202201	Total/NA	Water	537 (modified)	561330
320-84210-11	MP-01-(051-088)-202201	Total/NA	Water	537 (modified)	561330
320-84210-12	MP-01-(091-118)-202201	Total/NA	Water	537 (modified)	561330
320-84210-13	MP-01-(121-152)-202201	Total/NA	Water	537 (modified)	561330
320-84210-14	MP-01-(155-195)-202201	Total/NA	Water	537 (modified)	561330
320-84210-15	MP-01-(198-220)-202201	Total/NA	Water	537 (modified)	561330
320-84210-17	MP-01-(253-274)-202201	Total/NA	Water	537 (modified)	561330
320-84210-18	MP-01-(277-293)-202201	Total/NA	Water	537 (modified)	561330
320-84210-19	DUP-05-202201	Total/NA	Water	537 (modified)	561330
MB 320-561330/1-A	Method Blank	Total/NA	Water	537 (modified)	561330
LCS 320-561330/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	561330
LCSD 320-561330/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	561330

Analysis Batch: 561779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84210-43 - DL	MP-04-(080-112)-202201	Total/NA	Water	537 (modified)	561306
320-84210-44 - DL	MP-04-(115-152)-202201	Total/NA	Water	537 (modified)	561306
320-84210-46 - DL	MP-04-(195-217)-202201	Total/NA	Water	537 (modified)	561306
320-84210-50 - DL	DUP-01-202201	Total/NA	Water	537 (modified)	561306

Analysis Batch: 561850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84210-20	MP-01-EB-202201	Total/NA	Water	537 (modified)	561329
320-84210-21	FB-01-202201	Total/NA	Water	537 (modified)	561329
320-84210-22	MW-01-202201	Total/NA	Water	537 (modified)	561329
320-84210-23	MW-03-202201	Total/NA	Water	537 (modified)	561329
320-84210-24	MW-04-202201	Total/NA	Water	537 (modified)	561329
320-84210-25	MW-05-202201	Total/NA	Water	537 (modified)	561329
320-84210-26	MW-06-202201	Total/NA	Water	537 (modified)	561329
320-84210-27	MW-07-202201	Total/NA	Water	537 (modified)	561329
320-84210-28	PZ-01-202201	Total/NA	Water	537 (modified)	561329
320-84210-29	DUP-04-202201	Total/NA	Water	537 (modified)	561329
320-84210-30	FB-01-202201	Total/NA	Water	537 (modified)	561329
320-84210-31	MW-04-EB-202201	Total/NA	Water	537 (modified)	561329
320-84210-33	MP-03-(083-117)-202201	Total/NA	Water	537 (modified)	561329
320-84210-34	MP-03-(120-157)-202201	Total/NA	Water	537 (modified)	561329

LCMS (Continued)

Analysis Batch: 561850 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84210-35	MP-03-(160-187)-202201	Total/NA	Water	537 (modified)	561329
320-84210-37	MP-03-(220-242)-202201	Total/NA	Water	537 (modified)	561329
320-84210-38	MP-03-(245-277)-202201	Total/NA	Water	537 (modified)	561329
MB 320-561329/1-A	Method Blank	Total/NA	Water	537 (modified)	561329
LCS 320-561329/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	561329
LCSD 320-561329/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	561329

Analysis Batch: 562448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84210-22 - DL	MW-01-202201	Total/NA	Water	537 (modified)	561329

Analysis Batch: 563313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84210-24 - DL	MW-04-202201	Total/NA	Water	537 (modified)	561329

Analysis Batch: 564311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84210-1 - DL	MP-02-(153-195)-202201	Total/NA	Water	537 (modified)	561330
320-84210-2 - DL	MP-02-(198-220)-202201	Total/NA	Water	537 (modified)	561330
320-84210-6 - DL	DUP-03-202201	Total/NA	Water	537 (modified)	561330
320-84210-7	MP-02-EB-202201	Total/NA	Water	537 (modified)	561330
320-84210-8 - DL	MP-05-(SWL-065)-202201	Total/NA	Water	537 (modified)	561330
320-84210-9 - DL	DUP-06-202201	Total/NA	Water	537 (modified)	561330
320-84210-13 - DL	MP-01-(121-152)-202201	Total/NA	Water	537 (modified)	561330
320-84210-14 - DL	MP-01-(155-195)-202201	Total/NA	Water	537 (modified)	561330
320-84210-15 - DL	MP-01-(198-220)-202201	Total/NA	Water	537 (modified)	561330
320-84210-16	MP-01-(223-250)-202201	Total/NA	Water	537 (modified)	561330
320-84210-19 - DL	DUP-05-202201	Total/NA	Water	537 (modified)	561330
320-84210-24 - RADL	MW-04-202201	Total/NA	Water	537 (modified)	561329
320-84210-32	MP-03-(046-080)-202201	Total/NA	Water	537 (modified)	561329
320-84210-36	MP-03-(190-217)-202201	Total/NA	Water	537 (modified)	561329

Analysis Batch: 564965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84210-11 - DL	MP-01-(051-088)-202201	Total/NA	Water	537 (modified)	561330
320-84210-12 - DL	MP-01-(091-118)-202201	Total/NA	Water	537 (modified)	561330

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-02-(153-195)-202201
Date Collected: 01/21/22 09:46
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		259.1 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)	DL	10			564311	02/09/22 09:17	RS1	TAL SAC
Total/NA	Prep	3535			259.1 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 06:15	RS1	TAL SAC

Client Sample ID: MP-02-(198-220)-202201
Date Collected: 01/19/22 16:13
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		250.9 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)	DL	10			564311	02/09/22 07:12	RS1	TAL SAC
Total/NA	Prep	3535			250.9 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 06:25	RS1	TAL SAC

Client Sample ID: MP-02-(223-250)-202201
Date Collected: 01/19/22 15:54
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			251.6 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 06:36	RS1	TAL SAC

Client Sample ID: MP-02-(253-276)-202201
Date Collected: 01/19/22 15:18
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			239.9 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 06:46	RS1	TAL SAC

Client Sample ID: MP-02-(279-300)-202201
Date Collected: 01/19/22 14:56
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			256.6 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 06:57	RS1	TAL SAC

Client Sample ID: DUP-03-202201
Date Collected: 01/21/22 00:00
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		247.1 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)	DL	10			564311	02/09/22 09:27	RS1	TAL SAC

Client Sample ID: DUP-03-202201

Lab Sample ID: 320-84210-6

Date Collected: 01/21/22 00:00

Matrix: Water

Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			247.1 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 07:07	RS1	TAL SAC

Client Sample ID: MP-02-EB-202201

Lab Sample ID: 320-84210-7

Date Collected: 01/21/22 11:20

Matrix: Water

Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			261.1 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			564311	02/09/22 06:51	RS1	TAL SAC

Client Sample ID: MP-05-(SWL-065)-202201

Lab Sample ID: 320-84210-8

Date Collected: 01/24/22 13:50

Matrix: Water

Date Received: 01/26/22 10:00

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		211 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)	DL	10			564311	02/09/22 07:22	RS1	TAL SAC
Total/NA	Prep	3535			211 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 07:59	RS1	TAL SAC

Client Sample ID: DUP-06-202201

Lab Sample ID: 320-84210-9

Date Collected: 01/24/22 00:00

Matrix: Water

Date Received: 01/26/22 10:00

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		217.4 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)	DL	10			564311	02/09/22 07:33	RS1	TAL SAC
Total/NA	Prep	3535			217.4 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 08:10	RS1	TAL SAC

Client Sample ID: MP-05-EB-202201

Lab Sample ID: 320-84210-10

Date Collected: 01/24/22 14:10

Matrix: Water

Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			265.2 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 08:20	RS1	TAL SAC

Client Sample ID: MP-01-(051-088)-202201

Lab Sample ID: 320-84210-11

Date Collected: 01/21/22 15:30

Matrix: Water

Date Received: 01/26/22 10:00

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		205 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)	DL	20			564965	02/11/22 23:38	K1S	TAL SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-01-(051-088)-202201
Date Collected: 01/21/22 15:30
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			205 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 08:31	RS1	TAL SAC

Client Sample ID: MP-01-(091-118)-202201
Date Collected: 01/21/22 15:19
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		224.5 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)	DL	20			564965	02/11/22 23:48	K1S	TAL SAC
Total/NA	Prep	3535			224.5 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 08:41	RS1	TAL SAC

Client Sample ID: MP-01-(121-152)-202201
Date Collected: 01/21/22 15:05
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		237.9 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)	DL	50			564311	02/09/22 08:56	RS1	TAL SAC
Total/NA	Prep	3535			237.9 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 08:51	RS1	TAL SAC

Client Sample ID: MP-01-(155-195)-202201
Date Collected: 01/21/22 14:50
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		221.5 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)	DL	50			564311	02/09/22 09:06	RS1	TAL SAC
Total/NA	Prep	3535			221.5 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 09:02	RS1	TAL SAC

Client Sample ID: MP-01-(198-220)-202201
Date Collected: 01/21/22 14:02
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		234.2 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)	DL	20			564311	02/09/22 08:35	RS1	TAL SAC
Total/NA	Prep	3535			234.2 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 09:12	RS1	TAL SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-01-(223-250)-202201
Lab Sample ID: 320-84210-16
Date Collected: 01/21/22 13:43
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			246.2 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			564311	02/09/22 07:01	RS1	TAL SAC

Client Sample ID: MP-01-(253-274)-202201
Lab Sample ID: 320-84210-17
Date Collected: 01/21/22 13:20
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			252.2 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 09:33	RS1	TAL SAC

Client Sample ID: MP-01-(277-293)-202201
Lab Sample ID: 320-84210-18
Date Collected: 01/21/22 12:30
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			266.1 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 10:15	RS1	TAL SAC

Client Sample ID: DUP-05-202201
Lab Sample ID: 320-84210-19
Date Collected: 01/21/22 00:00
Matrix: Water
Date Received: 01/26/22 10:00

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		251.9 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)	DL	20			564311	02/09/22 08:45	RS1	TAL SAC
Total/NA	Prep	3535			251.9 mL	10.0 mL	561330	01/28/22 04:38	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			561689	01/29/22 10:25	RS1	TAL SAC

Client Sample ID: MP-01-EB-202201
Lab Sample ID: 320-84210-20
Date Collected: 01/21/22 15:45
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			262.2 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/30/22 21:17	K1S	TAL SAC

Client Sample ID: FB-01-202201
Lab Sample ID: 320-84210-21
Date Collected: 01/21/22 15:50
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			255.4 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/30/22 21:28	K1S	TAL SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MW-01-202201
Date Collected: 01/21/22 16:00
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		270.4 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)	DL	10			562448	02/01/22 09:07	S1M	TAL SAC
Total/NA	Prep	3535			270.4 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/30/22 21:38	K1S	TAL SAC

Client Sample ID: MW-03-202201
Date Collected: 01/19/22 10:02
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-23
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			266.6 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/30/22 21:48	K1S	TAL SAC

Client Sample ID: MW-04-202201
Date Collected: 01/21/22 17:11
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	RADL		272.1 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)	RADL	50			564311	02/09/22 06:41	RS1	TAL SAC
Total/NA	Prep	3535			272.1 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/30/22 21:59	K1S	TAL SAC
Total/NA	Prep	3535	DL		272.1 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)	DL	50			563313	02/04/22 11:01	K1S	TAL SAC

Client Sample ID: MW-05-202201
Date Collected: 01/21/22 13:25
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			269.2 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/30/22 22:09	K1S	TAL SAC

Client Sample ID: MW-06-202201
Date Collected: 01/18/22 14:46
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-26
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			270.8 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/30/22 22:20	K1S	TAL SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MW-07-202201
Lab Sample ID: 320-84210-27
Date Collected: 01/18/22 13:34
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			270.4 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/30/22 23:01	K1S	TAL SAC

Client Sample ID: PZ-01-202201
Lab Sample ID: 320-84210-28
Date Collected: 01/19/22 14:47
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			268.6 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/30/22 23:12	K1S	TAL SAC

Client Sample ID: DUP-04-202201
Lab Sample ID: 320-84210-29
Date Collected: 01/21/22 00:00
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			269.5 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/30/22 23:22	K1S	TAL SAC

Client Sample ID: FB-01-202201
Lab Sample ID: 320-84210-30
Date Collected: 01/21/22 17:30
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			272.6 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/30/22 23:33	K1S	TAL SAC

Client Sample ID: MW-04-EB-202201
Lab Sample ID: 320-84210-31
Date Collected: 01/21/22 17:40
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			265.7 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/30/22 23:43	K1S	TAL SAC

Client Sample ID: MP-03-(046-080)-202201
Lab Sample ID: 320-84210-32
Date Collected: 01/19/22 14:16
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			269.1 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			564311	02/09/22 06:20	RS1	TAL SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-03-(083-117)-202201
Lab Sample ID: 320-84210-33
Date Collected: 01/19/22 13:47
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			217.3 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/31/22 00:04	K1S	TAL SAC

Client Sample ID: MP-03-(120-157)-202201
Lab Sample ID: 320-84210-34
Date Collected: 01/19/22 13:26
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			237.8 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/31/22 00:14	K1S	TAL SAC

Client Sample ID: MP-03-(160-187)-202201
Lab Sample ID: 320-84210-35
Date Collected: 01/19/22 12:06
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			241 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/31/22 00:25	K1S	TAL SAC

Client Sample ID: MP-03-(190-217)-202201
Lab Sample ID: 320-84210-36
Date Collected: 01/19/22 11:21
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			253.3 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			564311	02/09/22 06:30	RS1	TAL SAC

Client Sample ID: MP-03-(220-242)-202201
Lab Sample ID: 320-84210-37
Date Collected: 01/19/22 11:04
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			216.9 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/31/22 01:17	K1S	TAL SAC

Client Sample ID: MP-03-(245-277)-202201
Lab Sample ID: 320-84210-38
Date Collected: 01/19/22 09:50
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			250 mL	10.0 mL	561329	01/28/22 05:05	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1			561850	01/31/22 01:27	K1S	TAL SAC

Client Sample ID: MP-03-(280-300)-202201
Lab Sample ID: 320-84210-39

Date Collected: 01/19/22 09:28
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			256.3 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			561346	01/28/22 11:41	MNV	TAL SAC

Client Sample ID: DUP-02-202201
Lab Sample ID: 320-84210-40

Date Collected: 01/19/22 00:00
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			242.8 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			561346	01/28/22 11:52	MNV	TAL SAC

Client Sample ID: MP-03-EB-202201
Lab Sample ID: 320-84210-41

Date Collected: 01/19/22 15:01
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			267.5 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			561497	01/28/22 15:40	K1S	TAL SAC

Client Sample ID: MP-04-(048-077)-202201
Lab Sample ID: 320-84210-42

Date Collected: 01/18/22 16:05
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			242.3 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			561497	01/28/22 15:51	K1S	TAL SAC

Client Sample ID: MP-04-(080-112)-202201
Lab Sample ID: 320-84210-43

Date Collected: 01/18/22 15:49
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			241.3 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			561497	01/28/22 16:01	K1S	TAL SAC
Total/NA	Prep	3535	DL		241.3 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)	DL	5			561779	01/30/22 05:58	RS1	TAL SAC

Client Sample ID: MP-04-(115-152)-202201
Lab Sample ID: 320-84210-44

Date Collected: 01/18/22 15:23
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			243.7 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			561497	01/28/22 16:12	K1S	TAL SAC
Total/NA	Prep	3535	DL		243.7 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)	DL	20			561779	01/30/22 06:08	RS1	TAL SAC

Client Sample ID: MP-04-(155-192)-202201
Lab Sample ID: 320-84210-45
Date Collected: 01/18/22 15:07
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			250.5 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			561497	01/28/22 16:22	K1S	TAL SAC

Client Sample ID: MP-04-(195-217)-202201
Lab Sample ID: 320-84210-46
Date Collected: 01/18/22 14:39
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			242.5 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			561497	01/28/22 16:32	K1S	TAL SAC
Total/NA	Prep	3535	DL		242.5 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)	DL	5			561779	01/30/22 06:18	RS1	TAL SAC

Client Sample ID: MP-04-(220-242)-202201
Lab Sample ID: 320-84210-47
Date Collected: 01/18/22 14:15
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			247.7 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			561497	01/28/22 16:43	K1S	TAL SAC

Client Sample ID: MP-04-(245-272)-202201
Lab Sample ID: 320-84210-48
Date Collected: 01/18/22 13:41
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			249.9 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			561497	01/28/22 16:53	K1S	TAL SAC

Client Sample ID: MP-04-(275-291)-202201
Lab Sample ID: 320-84210-49
Date Collected: 01/18/22 12:05
Matrix: Water
Date Received: 01/26/22 10:00

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 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			561497	01/28/22 17:35	K1S	TAL SAC

Client Sample ID: DUP-01-202201
Lab Sample ID: 320-84210-50
Date Collected: 01/18/22 00:00
Matrix: Water
Date Received: 01/26/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			244.2 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			561497	01/28/22 17:45	K1S	TAL SAC
Total/NA	Prep	3535	DL		244.2 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)	DL	20			561779	01/30/22 06:29	RS1	TAL SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Client Sample ID: MP-04-EB-202201

Date Collected: 01/18/22 16:15
Date Received: 01/26/22 10:00

Lab Sample ID: 320-84210-51

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			321.7 mL	10.0 mL	561306	01/27/22 19:25	AP	TAL SAC
Total/NA	Analysis	537 (modified)		1			561497	01/28/22 17:56	K1S	TAL SAC

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Laboratory: Eurofins Sacramento

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

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

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

Method Summary

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: TRC Environmental Corporation
Project/Site: Rock-Gen Energy Quaterly

Job ID: 320-84210-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-84210-1	MP-02-(153-195)-202201	Water	01/21/22 09:46	01/26/22 10:00
320-84210-2	MP-02-(198-220)-202201	Water	01/19/22 16:13	01/26/22 10:00
320-84210-3	MP-02-(223-250)-202201	Water	01/19/22 15:54	01/26/22 10:00
320-84210-4	MP-02-(253-276)-202201	Water	01/19/22 15:18	01/26/22 10:00
320-84210-5	MP-02-(279-300)-202201	Water	01/19/22 14:56	01/26/22 10:00
320-84210-6	DUP-03-202201	Water	01/21/22 00:00	01/26/22 10:00
320-84210-7	MP-02-EB-202201	Water	01/21/22 11:20	01/26/22 10:00
320-84210-8	MP-05-(SWL-065)-202201	Water	01/24/22 13:50	01/26/22 10:00
320-84210-9	DUP-06-202201	Water	01/24/22 00:00	01/26/22 10:00
320-84210-10	MP-05-EB-202201	Water	01/24/22 14:10	01/26/22 10:00
320-84210-11	MP-01-(051-088)-202201	Water	01/21/22 15:30	01/26/22 10:00
320-84210-12	MP-01-(091-118)-202201	Water	01/21/22 15:19	01/26/22 10:00
320-84210-13	MP-01-(121-152)-202201	Water	01/21/22 15:05	01/26/22 10:00
320-84210-14	MP-01-(155-195)-202201	Water	01/21/22 14:50	01/26/22 10:00
320-84210-15	MP-01-(198-220)-202201	Water	01/21/22 14:02	01/26/22 10:00
320-84210-16	MP-01-(223-250)-202201	Water	01/21/22 13:43	01/26/22 10:00
320-84210-17	MP-01-(253-274)-202201	Water	01/21/22 13:20	01/26/22 10:00
320-84210-18	MP-01-(277-293)-202201	Water	01/21/22 12:30	01/26/22 10:00
320-84210-19	DUP-05-202201	Water	01/21/22 00:00	01/26/22 10:00
320-84210-20	MP-01-EB-202201	Water	01/21/22 15:45	01/26/22 10:00
320-84210-21	FB-01-202201	Water	01/21/22 15:50	01/26/22 10:00
320-84210-22	MW-01-202201	Water	01/21/22 16:00	01/26/22 10:00
320-84210-23	MW-03-202201	Water	01/19/22 10:02	01/26/22 10:00
320-84210-24	MW-04-202201	Water	01/21/22 17:11	01/26/22 10:00
320-84210-25	MW-05-202201	Water	01/21/22 13:25	01/26/22 10:00
320-84210-26	MW-06-202201	Water	01/18/22 14:46	01/26/22 10:00
320-84210-27	MW-07-202201	Water	01/18/22 13:34	01/26/22 10:00
320-84210-28	PZ-01-202201	Water	01/19/22 14:47	01/26/22 10:00
320-84210-29	DUP-04-202201	Water	01/21/22 00:00	01/26/22 10:00
320-84210-30	FB-01-202201	Water	01/21/22 17:30	01/26/22 10:00
320-84210-31	MW-04-EB-202201	Water	01/21/22 17:40	01/26/22 10:00
320-84210-32	MP-03-(046-080)-202201	Water	01/19/22 14:16	01/26/22 10:00
320-84210-33	MP-03-(083-117)-202201	Water	01/19/22 13:47	01/26/22 10:00
320-84210-34	MP-03-(120-157)-202201	Water	01/19/22 13:26	01/26/22 10:00
320-84210-35	MP-03-(160-187)-202201	Water	01/19/22 12:06	01/26/22 10:00
320-84210-36	MP-03-(190-217)-202201	Water	01/19/22 11:21	01/26/22 10:00
320-84210-37	MP-03-(220-242)-202201	Water	01/19/22 11:04	01/26/22 10:00
320-84210-38	MP-03-(245-277)-202201	Water	01/19/22 09:50	01/26/22 10:00
320-84210-39	MP-03-(280-300)-202201	Water	01/19/22 09:28	01/26/22 10:00
320-84210-40	DUP-02-202201	Water	01/19/22 00:00	01/26/22 10:00
320-84210-41	MP-03-EB-202201	Water	01/19/22 15:01	01/26/22 10:00
320-84210-42	MP-04-(048-077)-202201	Water	01/18/22 16:05	01/26/22 10:00
320-84210-43	MP-04-(080-112)-202201	Water	01/18/22 15:49	01/26/22 10:00
320-84210-44	MP-04-(115-152)-202201	Water	01/18/22 15:23	01/26/22 10:00
320-84210-45	MP-04-(155-192)-202201	Water	01/18/22 15:07	01/26/22 10:00
320-84210-46	MP-04-(195-217)-202201	Water	01/18/22 14:39	01/26/22 10:00
320-84210-47	MP-04-(220-242)-202201	Water	01/18/22 14:15	01/26/22 10:00
320-84210-48	MP-04-(245-272)-202201	Water	01/18/22 13:41	01/26/22 10:00
320-84210-49	MP-04-(275-291)-202201	Water	01/18/22 12:05	01/26/22 10:00
320-84210-50	DUP-01-202201	Water	01/18/22 00:00	01/26/22 10:00
320-84210-51	MP-04-EB-202201	Water	01/18/22 16:15	01/26/22 10:00

Chain of Custody Record

607996 eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Jeff Ramey	Site Contact: M. Toffe	Date: 1/24/22	COC No:
Company Name: TRC Env. Madison	Tel/Email: jramey@trccompanies.com	Lab Contact: D. Alltucker	Carrier: FedEx	1 of 5 COCs
Address: 708 Heartland Tr. Ste 3000	Analysis Turnaround Time			Sampler:
City/State/Zip: Madison, WI 53717	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 1-414-294-9247	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Rock-Gen Energy Quarterly	☐ 1 week			
Site: Cambridge, WI	☐ 2 days			Job / SDG No.:
P O # Contact PM for PO#	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	PFAS	Sample Specific Notes:
~~MP-08-(SWL-150)-202201~~	~~1/21/22~~								
MP-02-(153-195)-202201	1/21/22	0946	G	GW	2	N	N	X	
MP-02-(198-220)-202201	1/19/22	1613	G	GW	2				
MP-02-(223-250)-202201	1/19/22	1554	G	GW	2				
MP-02-(253-276)-202201	1/19/22	1518	G	GW	2				
MP-02-(279-300)-202201	1/19/22	1456	G	GW	2				
DUP-03-202201	1/21/22	—	G	GW	2				
MP-02-EB-202201	1/21/22	1120	G	W	2				
MP-05-(SWL-065)-202201	1/24/22	13:50	G	GW	2				
DUP-06-202201	1/24/22	—	G	GW	2				
MP-05-EB-202201	1/24/22	1410	G	W	2				

320-84210 Chain of Custody

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 1729140, 1729133	Cooler Temp. (°C): Obs'd: 1.5 2.7 1.5 2.7 Corr'd: 1.5 1.5	Therm ID No.: LO2

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TRC	1/25 17:00	[signature]	TETCA	1/26/22 1020
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

2/18/2022

Chain of Custody Record

607983 eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Jeff Ramey	Site Contact: M. Totte	Date: 1/24/22	COC No:
Company Name: TRC Env. Madison	Tel/Email: jramey@trcompanies.com	Lab Contact: D. Alltucker	Carrier: FedEx	2 of 5 COCs
Address: 708 Heartland Tr. Ste 3000	Analysis Turnaround Time			Sampler:
City/State/Zip: Madison, WI 53717	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 414-294-9247	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: Rock-Green Energy Quarterly				Job / SDG No.:
Site: Cambridge, WI				
P O # Contact PM for PO#				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PFAS	Sample Specific Notes:
MP-01-(051-088)-202201	1/21/22	1530	G	GW	2	N	N	X	
MP-01-(091-118)-202201	1/21/22	1519	G	GW	2				
MP-01-(121-152)-202201	1/21/22	1505	G	GW	2				
MP-01-(155-195)-202201	1/21/22	1450	G	GW	2				
MP-01-(198-220)-202201	1/21/22	1402	G	GW	2				
MP-01-(223-250)-202201	1/21/22	1343	G	GW	2				
MP-01-(253-274)-202201	1/21/22	1320	G	GW	2				
MP-01-(277-293)-202201	1/21/22	1230	G	GW	1				
DUP-05-202201	1/21/22	-	G	GW	2				
MP-01-EB-202201	1/21/22	1545	G	W	2				
FB-01-202201	1/21/22	1550	G	W	2	V	V	V	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☒ Yes ☐ No | Custody Seal No.: 1792140, 1729133 | Cooler Temp. (°C): Obs'd: 1.5 2.7 | Corr'd: 1.5 2.7 | Therm ID No.: L-02

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TRC	1/25 17:00	[signature]	EBSCA	1/26/22 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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2/11/2022

Chain of Custody Record 607993

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Jeff Raney	Site Contact: M. Totte	Date: 1/24/22	COC No:
Company Name: TRC Env. Madison	Tel/Email: JRaney@TRCcompanies.com	Lab Contact: David Althucker	Carrier: FedEx	3 of 5 COCs
Address: 708 Heartland Tr. Ste 3000	Analysis Turnaround Time			Sampler:
City/State/Zip: Madison, WI 53717	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 1-414-294-9247	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Rock-Gen Energy Quarterly	☐ 1 week			
Site: Cambridge, WI	☐ 2 days			Job / SDG No.:
PO # Contact PM for PO#	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PFAS	Sample Specific Notes:
MW-01-202201	1/21/22	1600	G	GW	2	N	N	X	
~~MW-02-202201~~ (TD)									
MW-03-202201	~~1/19/22~~ 1/20/22	1002	G	GW	2				
MW-04-202201	1/20/22	1711	G	GW	2				
MW-05-202201	1/21/22	1325	G	GW	2				
MW-06-202201	1/18/22	1446	G	GW	2				
MW-07-202201	1/18/22	1334	G	GW	2				
~~MW~~ PZ-01-202201	1/19/22	1447	G	GW	2				
~~DUP-03-202201~~ (TD)	—	—	—	—	—				
DUP-04-202201	1/21/22	—	G	GW	2				
FB-01-202201	1/21/22	1730	G	W	2				
MW-04-EB-202201	1/24/22	1740	G	W	2	↓	↓	↓	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

1.5 2.7 1.5 2.7 402

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 729140 / 729133	Cooler Temp. (°C): Obs'd: 1.5	Corr'd: 1.5	Therm ID No.: 402

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Marshal	TRC	1/25 17:00		FEDEX	1/26/22 1030
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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2/11/2022

Address: ______________________

Chain of Custody Record

607989 eurofins Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact		Project Manager: Jeff Ramey	Site Contact: M. Totte	Date: 1/24/22	COC No:
Company Name: TRC Env. Madison		Tel/Email: jramey@trccompanies.com	Lab Contact: David Alltucker	Carrier: Fed Ex	4 of 5 COCs
Address: 708 Heartland Tr. Ste 3000		Analysis Turnaround Time			Sampler:
City/State/Zip: Madison, WI 53717		☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (414-294-9247		TAT if different from Below ____			Walk-in Client:
Fax:		☐ 2 weeks			Lab Sampling:
Project Name: Rock-Gen Energy Quarterly		☐ 1 week			
Site: Cambridge, WI		☐ 2 days			Job / SDG No.:
P O # Contact PM for PO#		☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	PFAS	Sample Specific Notes:
MP-03-(046-080)-202201	1/19/22	1416	G	GW	1	N	N	X	
MP-03-(083-117)-202201	1/19/22	1347	G	GW	2	↓	↓	↓	
MP-03-(120-157)-202201	1/19/22	1326	G	GW	2	↓	↓	↓	
MP-03-(160-187)-202201	1/19/22	1206	G	GW	2	↓	↓	↓	
MP-03-(190-217)-202201	1/19/22	1121	G	GW	2	↓	↓	↓	
MP-03-(220-242)-202201	1/19/22	1104	G	GW	2	↓	↓	↓	
MP-03-(245-277)-202201	1/19/22	950	G	GW	2	↓	↓	↓	
MP-03-(280-300)-202201	1/19/22	928	G	GW	2	↓	↓	↓	
DUP-02-202201	1/19/22	—	G	GW	2	↓	↓	↓	
MP-03-EB-202201	1/19/22	1501	G	GW	2	↓	↓	↓	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ________ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☒ Yes ☐ No

Custody Seal No.: ~~1792140~~ 1779140, 1779133 (1/26/22)

Cooler Temp. (°C): Obs'd: 1.5 (2.7) Corr'd: 1.5 (2.7) Therm ID No.: LO2 (CO2)

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Marcia Folle [signature]	TRC	1/25 17:00	[signature]	EET UA	1/26/22 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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Chain of Custody Record 607988 eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: TAL-8210

Client Contact	Project Manager: Jeff Ramey	Site Contact: M. Tofte	Date: 1/24/22	COC No:
Company Name: TRC Env. Madison	Tel/Email: jramey@trccompanies.com	Lab Contact: David AlHocker	Carrier: FedEx	5 of 5 COCs
Address: 708 Heartland Tr. Ste 3000	Analysis Turnaround Time			Sampler:
City/State/Zip: Madison, WI 53717	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: Rock Gen Quarterly				Job / SDG No.:
Site: Cambridge, WI				
P O # Contact PM for PO#				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PFAS	Sample Specific Notes:
MP-04-(018-037)-202201	1/18/22	1605	G	GW	2	N	N	X	
MP-04-(080-112)-202201	1/18/22	1549	G	GW	2				
MP-04-(115-152)-202201	1/18/22	1523	G	GW	2				
MP-04-(155-192)-202201	1/18/22	1507	G	GW	2				
MP-04-(195-217)-202201	1/18/22	1439	G	GW	2				
MP-04-(220-242)-202201	1/18/22	1415	G	GW	2				
MP-04-(245-272)-202201	1/18/22	1341	G	GW	2				
MP-04-(275-291)-202201	1/18/22	1205	G	GW	2				
DUP-01-202201	1/18/22	—	G	GW	2				
MP-04-EB-202201	1/18/22	1615	G	GW	2				

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

2.7 1.5 2.7 1.5 LOZ

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.: 1729140 178133	Cooler Temp. (°C): Obs'd: 1.5 Corr'd: 1.5	Therm ID No.: LOZ

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TRC	1/25 17:00	[signature]	EUTA	1/26/22 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

2/18/2022

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 320-84210-1

Login Number: 84210
List Number: 1
Creator: Nelson, Kym D

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1729140, 1729133
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	N/A	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	Limited volume received. See NCM
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	