

ANALYTICAL REPORT

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Laboratory Job ID: 320-72716-1
Client Project/Site: 437865 RockGen

For:

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



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	9
Isotope Dilution Summary	44
QC Sample Results	49
QC Association Summary	61
Lab Chronicle	64
Certification Summary	71
Method Summary	72
Sample Summary	73
Chain of Custody	74
Receipt Checklists	77

Definitions/Glossary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Qualifiers

LCMS

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
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.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

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

Case Narrative

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Job ID: 320-72716-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative 320-72716-1

Receipt

The samples were received on 4/22/2021 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.4° C.

LCMS

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside of 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. SB-06(0-1.5) (320-72716-7)

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for M2-8:2 FTS the following sample: EB-03-202104 (320-72716-28). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The matrix spike / matrix spike duplicate (MS/MSD) recoveries for 6:2 FTS for preparation batch 320-482624 and 320-482624 and analytical batch 320-483140 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 537 (modified): Due to the high concentration of 8:2 FTS, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 320-482624 and 320-482624 and analytical batch 320-483573 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 537 (modified): Results for samples SB-01(0-2) (320-72716-1), SB-02(0-2) (320-72716-2), SB-04(0-2) (320-72716-4), SB-10(2-4) (320-72716-11), SS-01(0-1) (320-72716-22), SS-03(0-1) (320-72716-25), (320-72716-A-25-E MS) and (320-72716-A-25-F MSD) 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

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

General Chemistry

Method Moisture: The sample duplicate (DUP) precision for analytical batch 320-482466 was outside control limits; however, the RPD does not apply to samples with less than 10% moisture content. Sample non-homogeneity is suspected. Samples were dry sand with rocks/pebbles. Data is being reported. SS-03(0-1) (320-72716-25) and (320-72716-A-25 DU)

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

Organic Prep

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

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-01(0-2)

Lab Sample ID: 320-72716-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.39		0.22	0.031	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.7		0.22	0.085	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.73		0.22	0.046	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.92		0.22	0.032	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.3		0.22	0.095	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.64		0.22	0.040	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.95		0.22	0.024	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.84		0.22	0.040	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	0.86		0.22	0.074	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.23		0.22	0.056	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.30		0.22	0.060	ug/Kg	1	✳	537 (modified)	Total/NA
6:2 FTS	3.1		2.2	0.17	ug/Kg	1	✳	537 (modified)	Total/NA
8:2 FTS - DL	26		11	1.4	ug/Kg	5	✳	537 (modified)	Total/NA

Client Sample ID: SB-02(0-2)

Lab Sample ID: 320-72716-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.23		0.22	0.031	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.99		0.22	0.085	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.98		0.22	0.046	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.71		0.22	0.032	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.6		0.22	0.095	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.49		0.22	0.040	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.70		0.22	0.024	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.23		0.22	0.040	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	0.53		0.22	0.074	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.19	J	0.22	0.056	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.29		0.22	0.059	ug/Kg	1	✳	537 (modified)	Total/NA
6:2 FTS	11		2.2	0.16	ug/Kg	1	✳	537 (modified)	Total/NA
8:2 FTS - DL	45		11	1.4	ug/Kg	5	✳	537 (modified)	Total/NA

Client Sample ID: SB-03(0-2)

Lab Sample ID: 320-72716-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.041	J	0.20	0.041	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.046	J	0.20	0.028	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.10	J	0.20	0.084	ug/Kg	1	✳	537 (modified)	Total/NA

Client Sample ID: SB-04(0-2)

Lab Sample ID: 320-72716-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.084	J	0.20	0.043	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.054	J	0.20	0.029	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.14	J	0.20	0.087	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.037	J	0.20	0.036	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.13	J	0.20	0.022	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.040	J	0.20	0.036	ug/Kg	1	✳	537 (modified)	Total/NA
6:2 FTS	0.90	J	2.0	0.15	ug/Kg	1	✳	537 (modified)	Total/NA
8:2 FTS - DL	30		10	1.3	ug/Kg	5	✳	537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-05(0-2)

Lab Sample ID: 320-72716-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	0.043	J	0.21	0.030	ug/Kg	1	✳	537 (modified)	Total/NA

Client Sample ID: SB-06(0-1.5)

Lab Sample ID: 320-72716-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.38		0.22	0.031	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.1		0.22	0.086	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.72		0.22	0.047	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.2		0.22	0.032	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	6.5		0.22	0.096	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	6.3		0.22	0.040	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.29		0.22	0.025	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.23	J I	0.56	0.22	ug/Kg	1	✳	537 (modified)	Total/NA
8:2 FTS	0.30	J	2.2	0.28	ug/Kg	1	✳	537 (modified)	Total/NA

Client Sample ID: SB-07(0-2)

Lab Sample ID: 320-72716-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.13	J	0.23	0.032	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.034	J	0.23	0.034	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.043	J	0.23	0.042	ug/Kg	1	✳	537 (modified)	Total/NA

Client Sample ID: SB-08(0-2)

Lab Sample ID: 320-72716-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.14	J	0.23	0.033	ug/Kg	1	✳	537 (modified)	Total/NA

Client Sample ID: SB-09(0-2)

Lab Sample ID: 320-72716-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.23		0.22	0.031	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.091	J	0.22	0.086	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.089	J	0.22	0.047	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.067	J	0.22	0.032	ug/Kg	1	✳	537 (modified)	Total/NA

Client Sample ID: SB-10(2-4)

Lab Sample ID: 320-72716-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.17	J	0.22	0.030	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.60		0.22	0.083	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.57		0.22	0.046	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.1		0.22	0.031	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	4.0		0.22	0.093	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.4		0.22	0.039	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.5		0.22	0.024	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.40		0.22	0.039	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	0.47		0.22	0.073	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorotridecanoic acid (PFTTrDA)	0.058	J	0.22	0.055	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.75		0.54	0.22	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.12	J	0.22	0.042	ug/Kg	1	✳	537 (modified)	Total/NA
6:2 FTS	6.5		2.2	0.16	ug/Kg	1	✳	537 (modified)	Total/NA
8:2 FTS - DL	44		11	1.4	ug/Kg	5	✳	537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-11(2-4)

Lab Sample ID: 320-72716-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.80		0.23	0.033	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.2		0.23	0.090	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.0		0.23	0.049	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.0		0.23	0.034	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.0		0.23	0.10	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.065	J	0.23	0.042	ug/Kg	1	✳	537 (modified)	Total/NA

Client Sample ID: SB-12(2-4)

Lab Sample ID: 320-72716-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.52		0.24	0.034	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.2		0.24	0.093	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.64		0.24	0.051	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.40		0.24	0.035	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.17	J	0.24	0.10	ug/Kg	1	✳	537 (modified)	Total/NA

Client Sample ID: SB-13(2.25-4)

Lab Sample ID: 320-72716-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.13	J	0.23	0.032	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.58		0.23	0.089	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.46		0.23	0.049	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.25		0.23	0.034	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.52		0.23	0.10	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.35		0.23	0.042	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.90		0.23	0.025	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.28		0.23	0.042	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	1.0		0.23	0.078	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.12	J	0.23	0.059	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.24		0.23	0.062	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.18	J	0.23	0.045	ug/Kg	1	✳	537 (modified)	Total/NA
6:2 FTS	2.2	J	2.3	0.17	ug/Kg	1	✳	537 (modified)	Total/NA
8:2 FTS	3.0		2.3	0.29	ug/Kg	1	✳	537 (modified)	Total/NA

Client Sample ID: SB-14(0-4)

Lab Sample ID: 320-72716-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid (PFDA)	0.043	J	0.20	0.022	ug/Kg	1	✳	537 (modified)	Total/NA

Client Sample ID: SB-15(0-2)

Lab Sample ID: 320-72716-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	0.040	J	0.21	0.038	ug/Kg	1	✳	537 (modified)	Total/NA

Client Sample ID: SB-16(0-2)

Lab Sample ID: 320-72716-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.064	J	0.21	0.045	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.044	J	0.21	0.031	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.099	J	0.21	0.092	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.042	J	0.21	0.039	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.12	J	0.21	0.024	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.11	J	0.21	0.039	ug/Kg	1	✳	537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Detection Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-16(0-2) (Continued)

Lab Sample ID: 320-72716-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorododecanoic acid (PFDoA)	0.20	J	0.21	0.072	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.081	J	0.21	0.055	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.13	J	0.21	0.058	ug/Kg	1	✳	537 (modified)	Total/NA
6:2 FTS	0.30	J	2.1	0.16	ug/Kg	1	✳	537 (modified)	Total/NA
8:2 FTS	5.0		2.1	0.27	ug/Kg	1	✳	537 (modified)	Total/NA

Client Sample ID: SS-01(0-1)

Lab Sample ID: 320-72716-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.16	J	0.19	0.075	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.23		0.19	0.041	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.30		0.19	0.028	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.65		0.19	0.084	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.13	J	0.19	0.035	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.22		0.19	0.021	ug/Kg	1	✳	537 (modified)	Total/NA
6:2 FTS	5.5		1.9	0.15	ug/Kg	1	✳	537 (modified)	Total/NA
8:2 FTS - DL	74		19	2.4	ug/Kg	10	✳	537 (modified)	Total/NA

Client Sample ID: SS-02(0-1)

Lab Sample ID: 320-72716-23

No Detections.

Client Sample ID: SS-03(0-1)

Lab Sample ID: 320-72716-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.048	J	0.20	0.028	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.12	J	0.20	0.078	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.32		0.20	0.043	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.099	J	0.20	0.029	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.49		0.20	0.087	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.13	J	0.20	0.037	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.60		0.20	0.022	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.31		0.20	0.037	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	0.22		0.20	0.068	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.12	J	0.20	0.055	ug/Kg	1	✳	537 (modified)	Total/NA
6:2 FTS	7.2	F1	2.0	0.15	ug/Kg	1	✳	537 (modified)	Total/NA
8:2 FTS - DL	130		41	5.1	ug/Kg	20	✳	537 (modified)	Total/NA

Client Sample ID: EB-01-202104

Lab Sample ID: 320-72716-26

No Detections.

Client Sample ID: EB-02-202104

Lab Sample ID: 320-72716-27

No Detections.

Client Sample ID: EB-03-202104

Lab Sample ID: 320-72716-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.61	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA

Client Sample ID: FB-01-202104

Lab Sample ID: 320-72716-29

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-01(0-2)

Lab Sample ID: 320-72716-1

Date Collected: 04/20/21 08:35

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 83.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.39		0.22	0.031	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluoropentanoic acid (PFPeA)	1.7		0.22	0.085	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluorohexanoic acid (PFHxA)	0.73		0.22	0.046	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluoroheptanoic acid (PFHpA)	0.92		0.22	0.032	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluorooctanoic acid (PFOA)	1.3		0.22	0.095	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluorononanoic acid (PFNA)	0.64		0.22	0.040	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluorodecanoic acid (PFDA)	0.95		0.22	0.024	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluoroundecanoic acid (PFUnA)	0.84		0.22	0.040	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluorododecanoic acid (PFDoA)	0.86		0.22	0.074	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluorotridecanoic acid (PFTTrDA)	0.23		0.22	0.056	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluorotetradecanoic acid (PFTTeA)	0.30		0.22	0.060	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.028	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.22	0.022	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.034	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.039	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.55	0.22	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluorononanesulfonic acid (PFNS)	ND		0.22	0.022	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.043	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.22	0.066	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.091	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
NMeFOSA	ND		0.22	0.045	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
NEtFOSA	ND		0.22	0.026	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
NMeFOSAA	ND		2.2	0.43	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
NEtFOSAA	ND		2.2	0.41	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
NMeFOSE	ND		0.22	0.078	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
NEtFOSE	ND		0.22	0.040	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
4:2 FTS	ND		2.2	0.41	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
6:2 FTS	3.1		2.2	0.17	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
HFPO-DA (GenX)	ND		0.28	0.12	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
9CI-PF3ONS	ND		0.22	0.030	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
11CI-PF3OUdS	ND		0.22	0.024	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.22	0.020	ug/Kg	✱	04/23/21 18:48	04/24/21 12:26	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	81		25 - 150	04/23/21 18:48	04/24/21 12:26	1
13C5 PFPeA	84		25 - 150	04/23/21 18:48	04/24/21 12:26	1
13C2 PFHxA	85		25 - 150	04/23/21 18:48	04/24/21 12:26	1
13C4 PFHpA	87		25 - 150	04/23/21 18:48	04/24/21 12:26	1
13C4 PFOA	84		25 - 150	04/23/21 18:48	04/24/21 12:26	1
13C5 PFNA	91		25 - 150	04/23/21 18:48	04/24/21 12:26	1
13C2 PFDA	79		25 - 150	04/23/21 18:48	04/24/21 12:26	1
13C2 PFUnA	100		25 - 150	04/23/21 18:48	04/24/21 12:26	1
13C2 PFDoA	85		25 - 150	04/23/21 18:48	04/24/21 12:26	1
13C2 PFTTeDA	71		25 - 150	04/23/21 18:48	04/24/21 12:26	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-01(0-2)

Lab Sample ID: 320-72716-1

Date Collected: 04/20/21 08:35

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 83.6

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	78		25 - 150	04/23/21 18:48	04/24/21 12:26	1
18O2 PFHxS	81		25 - 150	04/23/21 18:48	04/24/21 12:26	1
13C4 PFOS	87		25 - 150	04/23/21 18:48	04/24/21 12:26	1
13C8 FOSA	91		10 - 150	04/23/21 18:48	04/24/21 12:26	1
M2-4:2 FTS	105		25 - 150	04/23/21 18:48	04/24/21 12:26	1
M2-6:2 FTS	117		25 - 150	04/23/21 18:48	04/24/21 12:26	1
13C2 10:2 FTS	90		25 - 150	04/23/21 18:48	04/24/21 12:26	1
13C3 HFPO-DA	86		25 - 150	04/23/21 18:48	04/24/21 12:26	1
d3-NMeFOSAA	74		25 - 150	04/23/21 18:48	04/24/21 12:26	1
d5-NEtFOSAA	90		25 - 150	04/23/21 18:48	04/24/21 12:26	1
d-N-MeFOSA-M	86		10 - 150	04/23/21 18:48	04/24/21 12:26	1
d-N-EtFOSA-M	89		10 - 150	04/23/21 18:48	04/24/21 12:26	1
d7-N-MeFOSE-M	85		10 - 150	04/23/21 18:48	04/24/21 12:26	1
d9-N-EtFOSE-M	89		10 - 150	04/23/21 18:48	04/24/21 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	26		11	1.4	ug/Kg	⊛	04/23/21 18:48	04/27/21 19:52	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	84		25 - 150	04/23/21 18:48	04/27/21 19:52	5

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16.4		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	83.6		0.1	0.1	%			04/23/21 10:37	1

Client Sample ID: SB-02(0-2)

Lab Sample ID: 320-72716-2

Date Collected: 04/20/21 09:05

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 84.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.23		0.22	0.031	ug/Kg	⊛	04/23/21 18:48	04/24/21 12:36	1
Perfluoropentanoic acid (PFPeA)	0.99		0.22	0.085	ug/Kg	⊛	04/23/21 18:48	04/24/21 12:36	1
Perfluorohexanoic acid (PFHxA)	0.98		0.22	0.046	ug/Kg	⊛	04/23/21 18:48	04/24/21 12:36	1
Perfluoroheptanoic acid (PFHpA)	0.71		0.22	0.032	ug/Kg	⊛	04/23/21 18:48	04/24/21 12:36	1
Perfluorooctanoic acid (PFOA)	2.6		0.22	0.095	ug/Kg	⊛	04/23/21 18:48	04/24/21 12:36	1
Perfluorononanoic acid (PFNA)	0.49		0.22	0.040	ug/Kg	⊛	04/23/21 18:48	04/24/21 12:36	1
Perfluorodecanoic acid (PFDA)	0.70		0.22	0.024	ug/Kg	⊛	04/23/21 18:48	04/24/21 12:36	1
Perfluoroundecanoic acid (PFUnA)	0.23		0.22	0.040	ug/Kg	⊛	04/23/21 18:48	04/24/21 12:36	1
Perfluorododecanoic acid (PFDoA)	0.53		0.22	0.074	ug/Kg	⊛	04/23/21 18:48	04/24/21 12:36	1
Perfluorotridecanoic acid (PFTrDA)	0.19	J	0.22	0.056	ug/Kg	⊛	04/23/21 18:48	04/24/21 12:36	1
Perfluorotetradecanoic acid (PFTeA)	0.29		0.22	0.059	ug/Kg	⊛	04/23/21 18:48	04/24/21 12:36	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.027	ug/Kg	⊛	04/23/21 18:48	04/24/21 12:36	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.22	0.022	ug/Kg	⊛	04/23/21 18:48	04/24/21 12:36	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.034	ug/Kg	⊛	04/23/21 18:48	04/24/21 12:36	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-02(0-2)

Lab Sample ID: 320-72716-2

Date Collected: 04/20/21 09:05

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.038	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.55	0.22	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
Perfluorononanesulfonic acid (PFNS)	ND		0.22	0.022	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.043	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.22	0.066	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.090	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
NMeFOSA	ND		0.22	0.045	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
NEtFOSA	ND		0.22	0.026	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
NMeFOSAA	ND		2.2	0.43	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
NEtFOSAA	ND		2.2	0.41	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
NMeFOSE	ND		0.22	0.078	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
NEtFOSE	ND		0.22	0.040	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
4:2 FTS	ND		2.2	0.41	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
6:2 FTS	11		2.2	0.16	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
HFPO-DA (GenX)	ND		0.27	0.12	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
9Cl-PF3ONS	ND		0.22	0.030	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
11Cl-PF3OUdS	ND		0.22	0.024	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.22	0.020	ug/Kg	☼	04/23/21 18:48	04/24/21 12:36	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	77		25 - 150	04/23/21 18:48	04/24/21 12:36	1
13C5 PFPeA	72		25 - 150	04/23/21 18:48	04/24/21 12:36	1
13C2 PFHxA	77		25 - 150	04/23/21 18:48	04/24/21 12:36	1
13C4 PFHpA	81		25 - 150	04/23/21 18:48	04/24/21 12:36	1
13C4 PFOA	86		25 - 150	04/23/21 18:48	04/24/21 12:36	1
13C5 PFNA	90		25 - 150	04/23/21 18:48	04/24/21 12:36	1
13C2 PFDA	68		25 - 150	04/23/21 18:48	04/24/21 12:36	1
13C2 PFUnA	91		25 - 150	04/23/21 18:48	04/24/21 12:36	1
13C2 PFDoA	70		25 - 150	04/23/21 18:48	04/24/21 12:36	1
13C2 PFTeDA	71		25 - 150	04/23/21 18:48	04/24/21 12:36	1
13C3 PFBS	73		25 - 150	04/23/21 18:48	04/24/21 12:36	1
18O2 PFHxS	78		25 - 150	04/23/21 18:48	04/24/21 12:36	1
13C4 PFOS	73		25 - 150	04/23/21 18:48	04/24/21 12:36	1
13C8 FOSA	80		10 - 150	04/23/21 18:48	04/24/21 12:36	1
M2-4:2 FTS	83		25 - 150	04/23/21 18:48	04/24/21 12:36	1
M2-6:2 FTS	97		25 - 150	04/23/21 18:48	04/24/21 12:36	1
13C2 10:2 FTS	87		25 - 150	04/23/21 18:48	04/24/21 12:36	1
13C3 HFPO-DA	76		25 - 150	04/23/21 18:48	04/24/21 12:36	1
d3-NMeFOSAA	65		25 - 150	04/23/21 18:48	04/24/21 12:36	1
d5-NEtFOSAA	79		25 - 150	04/23/21 18:48	04/24/21 12:36	1
d-N-MeFOSA-M	75		10 - 150	04/23/21 18:48	04/24/21 12:36	1
d-N-EtFOSA-M	74		10 - 150	04/23/21 18:48	04/24/21 12:36	1
d7-N-MeFOSE-M	77		10 - 150	04/23/21 18:48	04/24/21 12:36	1
d9-N-EtFOSE-M	78		10 - 150	04/23/21 18:48	04/24/21 12:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	45		11	1.4	ug/Kg	☼	04/23/21 18:48	04/27/21 20:01	5

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-02(0-2)

Lab Sample ID: 320-72716-2

Date Collected: 04/20/21 09:05

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 84.7

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	77		25 - 150	04/23/21 18:48	04/27/21 20:01	5

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15.3		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	84.7		0.1	0.1	%			04/23/21 10:37	1

Client Sample ID: SB-03(0-2)

Lab Sample ID: 320-72716-3

Date Collected: 04/20/21 10:05

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 93.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.027	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.075	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluorohexanoic acid (PFHxA)	0.041	J	0.20	0.041	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluoroheptanoic acid (PFHpA)	0.046	J	0.20	0.028	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluorooctanoic acid (PFOA)	0.10	J	0.20	0.084	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.035	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.022	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.035	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.066	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.050	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.053	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.024	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.020	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.030	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.034	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.49	0.20	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.020	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.038	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.059	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.080	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
NMeFOSA	ND		0.20	0.040	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
NEtFOSA	ND		0.20	0.023	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
NMeFOSAA	ND		2.0	0.38	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
NEtFOSAA	ND		2.0	0.36	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
NMeFOSE	ND		0.20	0.069	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
NEtFOSE	ND		0.20	0.035	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
4:2 FTS	ND		2.0	0.36	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
6:2 FTS	ND		2.0	0.15	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
8:2 FTS	ND		2.0	0.24	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
HFPO-DA (GenX)	ND		0.24	0.11	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
9Cl-PF3ONS	ND		0.20	0.026	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
11Cl-PF3OUdS	ND		0.20	0.022	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.018	ug/Kg	✱	04/23/21 18:48	04/24/21 12:45	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	78		25 - 150	04/23/21 18:48	04/24/21 12:45	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-03(0-2)

Lab Sample ID: 320-72716-3

Date Collected: 04/20/21 10:05

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 93.7

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	78		25 - 150	04/23/21 18:48	04/24/21 12:45	1
13C2 PFHxA	82		25 - 150	04/23/21 18:48	04/24/21 12:45	1
13C4 PFHpA	82		25 - 150	04/23/21 18:48	04/24/21 12:45	1
13C4 PFOA	82		25 - 150	04/23/21 18:48	04/24/21 12:45	1
13C5 PFNA	80		25 - 150	04/23/21 18:48	04/24/21 12:45	1
13C2 PFDA	77		25 - 150	04/23/21 18:48	04/24/21 12:45	1
13C2 PFUnA	87		25 - 150	04/23/21 18:48	04/24/21 12:45	1
13C2 PFDoA	76		25 - 150	04/23/21 18:48	04/24/21 12:45	1
13C2 PFTeDA	76		25 - 150	04/23/21 18:48	04/24/21 12:45	1
13C3 PFBS	77		25 - 150	04/23/21 18:48	04/24/21 12:45	1
18O2 PFHxS	75		25 - 150	04/23/21 18:48	04/24/21 12:45	1
13C4 PFOS	77		25 - 150	04/23/21 18:48	04/24/21 12:45	1
13C8 FOSA	87		10 - 150	04/23/21 18:48	04/24/21 12:45	1
M2-4:2 FTS	74		25 - 150	04/23/21 18:48	04/24/21 12:45	1
M2-6:2 FTS	87		25 - 150	04/23/21 18:48	04/24/21 12:45	1
M2-8:2 FTS	103		25 - 150	04/23/21 18:48	04/24/21 12:45	1
13C2 10:2 FTS	91		25 - 150	04/23/21 18:48	04/24/21 12:45	1
13C3 HFPO-DA	74		25 - 150	04/23/21 18:48	04/24/21 12:45	1
d3-NMeFOSAA	78		25 - 150	04/23/21 18:48	04/24/21 12:45	1
d5-NEtFOSAA	87		25 - 150	04/23/21 18:48	04/24/21 12:45	1
d-N-MeFOSA-M	72		10 - 150	04/23/21 18:48	04/24/21 12:45	1
d-N-EtFOSA-M	79		10 - 150	04/23/21 18:48	04/24/21 12:45	1
d7-N-MeFOSE-M	84		10 - 150	04/23/21 18:48	04/24/21 12:45	1
d9-N-EtFOSE-M	81		10 - 150	04/23/21 18:48	04/24/21 12:45	1

General Chemistry

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.3		0.1	0.1 %			04/23/21 10:37	1
Percent Solids	93.7		0.1	0.1 %			04/23/21 10:37	1

Client Sample ID: SB-04(0-2)

Lab Sample ID: 320-72716-4

Date Collected: 04/20/21 10:20

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 93.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.028	ug/Kg	✱	04/23/21 18:48	04/24/21 12:54	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.078	ug/Kg	✱	04/23/21 18:48	04/24/21 12:54	1
Perfluorohexanoic acid (PFHxA)	0.084	J	0.20	0.043	ug/Kg	✱	04/23/21 18:48	04/24/21 12:54	1
Perfluoroheptanoic acid (PFHpA)	0.054	J	0.20	0.029	ug/Kg	✱	04/23/21 18:48	04/24/21 12:54	1
Perfluorooctanoic acid (PFOA)	0.14	J	0.20	0.087	ug/Kg	✱	04/23/21 18:48	04/24/21 12:54	1
Perfluorononanoic acid (PFNA)	0.037	J	0.20	0.036	ug/Kg	✱	04/23/21 18:48	04/24/21 12:54	1
Perfluorodecanoic acid (PFDA)	0.13	J	0.20	0.022	ug/Kg	✱	04/23/21 18:48	04/24/21 12:54	1
Perfluoroundecanoic acid (PFUnA)	0.040	J	0.20	0.036	ug/Kg	✱	04/23/21 18:48	04/24/21 12:54	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.068	ug/Kg	✱	04/23/21 18:48	04/24/21 12:54	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.052	ug/Kg	✱	04/23/21 18:48	04/24/21 12:54	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.055	ug/Kg	✱	04/23/21 18:48	04/24/21 12:54	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.025	ug/Kg	✱	04/23/21 18:48	04/24/21 12:54	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.020	ug/Kg	✱	04/23/21 18:48	04/24/21 12:54	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-04(0-2)

Lab Sample ID: 320-72716-4

Date Collected: 04/20/21 10:20

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 93.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.031	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.035	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.51	0.20	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.020	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.039	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.061	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.083	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
NMeFOSA	ND		0.20	0.041	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
NEtFOSA	ND		0.20	0.024	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
NMeFOSAA	ND		2.0	0.39	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
NEtFOSAA	ND		2.0	0.37	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
NMeFOSE	ND		0.20	0.072	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
NEtFOSE	ND		0.20	0.036	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
4:2 FTS	ND		2.0	0.37	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
6:2 FTS	0.90	J	2.0	0.15	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
HFPO-DA (GenX)	ND		0.25	0.11	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
9Cl-PF3ONS	ND		0.20	0.027	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
11Cl-PF3OUdS	ND		0.20	0.022	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.018	ug/Kg	☼	04/23/21 18:48	04/24/21 12:54	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	75		25 - 150	04/23/21 18:48	04/24/21 12:54	1
13C5 PFPeA	80		25 - 150	04/23/21 18:48	04/24/21 12:54	1
13C2 PFHxA	82		25 - 150	04/23/21 18:48	04/24/21 12:54	1
13C4 PFHpA	86		25 - 150	04/23/21 18:48	04/24/21 12:54	1
13C4 PFOA	77		25 - 150	04/23/21 18:48	04/24/21 12:54	1
13C5 PFNA	88		25 - 150	04/23/21 18:48	04/24/21 12:54	1
13C2 PFDA	80		25 - 150	04/23/21 18:48	04/24/21 12:54	1
13C2 PFUnA	98		25 - 150	04/23/21 18:48	04/24/21 12:54	1
13C2 PFDoA	82		25 - 150	04/23/21 18:48	04/24/21 12:54	1
13C2 PFTeDA	79		25 - 150	04/23/21 18:48	04/24/21 12:54	1
13C3 PFBS	80		25 - 150	04/23/21 18:48	04/24/21 12:54	1
18O2 PFHxS	89		25 - 150	04/23/21 18:48	04/24/21 12:54	1
13C4 PFOS	86		25 - 150	04/23/21 18:48	04/24/21 12:54	1
13C8 FOSA	81		10 - 150	04/23/21 18:48	04/24/21 12:54	1
M2-4:2 FTS	84		25 - 150	04/23/21 18:48	04/24/21 12:54	1
M2-6:2 FTS	98		25 - 150	04/23/21 18:48	04/24/21 12:54	1
13C2 10:2 FTS	86		25 - 150	04/23/21 18:48	04/24/21 12:54	1
13C3 HFPO-DA	78		25 - 150	04/23/21 18:48	04/24/21 12:54	1
d3-NMeFOSAA	77		25 - 150	04/23/21 18:48	04/24/21 12:54	1
d5-NEtFOSAA	90		25 - 150	04/23/21 18:48	04/24/21 12:54	1
d-N-MeFOSA-M	81		10 - 150	04/23/21 18:48	04/24/21 12:54	1
d-N-EtFOSA-M	75		10 - 150	04/23/21 18:48	04/24/21 12:54	1
d7-N-MeFOSE-M	79		10 - 150	04/23/21 18:48	04/24/21 12:54	1
d9-N-EtFOSE-M	75		10 - 150	04/23/21 18:48	04/24/21 12:54	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-04(0-2)

Lab Sample ID: 320-72716-4

Date Collected: 04/20/21 10:20

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 93.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	30		10	1.3	ug/Kg	☆	04/23/21 18:48	04/27/21 20:11	5
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
M2-8:2 FTS	82		25 - 150				04/23/21 18:48	04/27/21 20:11	5

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.1		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	93.9		0.1	0.1	%			04/23/21 10:37	1

Client Sample ID: SB-05(0-2)

Lab Sample ID: 320-72716-5

Date Collected: 04/20/21 10:30

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 94.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.029	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.080	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.044	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluoroheptanoic acid (PFHpA)	0.043	J	0.21	0.030	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.090	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluorononanoic acid (PFNA)	ND		0.21	0.038	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.023	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.038	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.070	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.21	0.053	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.056	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.026	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.21	0.021	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.032	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.037	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.52	0.21	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluorononanesulfonic acid (PFNS)	ND		0.21	0.021	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.041	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.21	0.063	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.086	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
NMeFOSA	ND		0.21	0.043	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
NEtFOSA	ND		0.21	0.025	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
NMeFOSAA	ND		2.1	0.41	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
NEtFOSAA	ND		2.1	0.39	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
NMeFOSE	ND		0.21	0.074	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
NEtFOSE	ND		0.21	0.038	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
4:2 FTS	ND		2.1	0.39	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
6:2 FTS	ND		2.1	0.16	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
8:2 FTS	ND		2.1	0.26	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
HFPO-DA (GenX)	ND		0.26	0.11	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
9Cl-PF3ONS	ND		0.21	0.028	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1
11Cl-PF3OUdS	ND		0.21	0.023	ug/Kg	☆	04/23/21 18:48	04/24/21 13:03	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-05(0-2)

Lab Sample ID: 320-72716-5

Date Collected: 04/20/21 10:30

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 94.1

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)	ND		0.21	0.019	ug/Kg	☼	04/23/21 18:48	04/24/21 13:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	79		25 - 150				04/23/21 18:48	04/24/21 13:03	1
13C5 PFPeA	80		25 - 150				04/23/21 18:48	04/24/21 13:03	1
13C2 PFHxA	81		25 - 150				04/23/21 18:48	04/24/21 13:03	1
13C4 PFHpA	85		25 - 150				04/23/21 18:48	04/24/21 13:03	1
13C4 PFOA	86		25 - 150				04/23/21 18:48	04/24/21 13:03	1
13C5 PFNA	85		25 - 150				04/23/21 18:48	04/24/21 13:03	1
13C2 PFDA	81		25 - 150				04/23/21 18:48	04/24/21 13:03	1
13C2 PFUnA	85		25 - 150				04/23/21 18:48	04/24/21 13:03	1
13C2 PFDoA	80		25 - 150				04/23/21 18:48	04/24/21 13:03	1
13C2 PFTeDA	73		25 - 150				04/23/21 18:48	04/24/21 13:03	1
13C3 PFBS	75		25 - 150				04/23/21 18:48	04/24/21 13:03	1
18O2 PFHxS	79		25 - 150				04/23/21 18:48	04/24/21 13:03	1
13C4 PFOS	80		25 - 150				04/23/21 18:48	04/24/21 13:03	1
13C8 FOSA	85		10 - 150				04/23/21 18:48	04/24/21 13:03	1
M2-4:2 FTS	78		25 - 150				04/23/21 18:48	04/24/21 13:03	1
M2-6:2 FTS	84		25 - 150				04/23/21 18:48	04/24/21 13:03	1
M2-8:2 FTS	98		25 - 150				04/23/21 18:48	04/24/21 13:03	1
13C2 10:2 FTS	87		25 - 150				04/23/21 18:48	04/24/21 13:03	1
13C3 HFPO-DA	77		25 - 150				04/23/21 18:48	04/24/21 13:03	1
d3-NMeFOSAA	75		25 - 150				04/23/21 18:48	04/24/21 13:03	1
d5-NEtFOSAA	82		25 - 150				04/23/21 18:48	04/24/21 13:03	1
d-N-MeFOSA-M	86		10 - 150				04/23/21 18:48	04/24/21 13:03	1
d-N-EtFOSA-M	78		10 - 150				04/23/21 18:48	04/24/21 13:03	1
d7-N-MeFOSE-M	78		10 - 150				04/23/21 18:48	04/24/21 13:03	1
d9-N-EtFOSE-M	71		10 - 150				04/23/21 18:48	04/24/21 13:03	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.9		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	94.1		0.1	0.1	%			04/23/21 10:37	1

Client Sample ID: SB-06(0-1.5)

Lab Sample ID: 320-72716-7

Date Collected: 04/20/21 11:40

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 84.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.38		0.22	0.031	ug/Kg	☼	04/23/21 18:48	04/24/21 13:12	1
Perfluoropentanoic acid (PFPeA)	1.1		0.22	0.086	ug/Kg	☼	04/23/21 18:48	04/24/21 13:12	1
Perfluorohexanoic acid (PFHxA)	0.72		0.22	0.047	ug/Kg	☼	04/23/21 18:48	04/24/21 13:12	1
Perfluoroheptanoic acid (PFHpA)	2.2		0.22	0.032	ug/Kg	☼	04/23/21 18:48	04/24/21 13:12	1
Perfluorooctanoic acid (PFOA)	6.5		0.22	0.096	ug/Kg	☼	04/23/21 18:48	04/24/21 13:12	1
Perfluorononanoic acid (PFNA)	6.3		0.22	0.040	ug/Kg	☼	04/23/21 18:48	04/24/21 13:12	1
Perfluorodecanoic acid (PFDA)	0.29		0.22	0.025	ug/Kg	☼	04/23/21 18:48	04/24/21 13:12	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.040	ug/Kg	☼	04/23/21 18:48	04/24/21 13:12	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.075	ug/Kg	☼	04/23/21 18:48	04/24/21 13:12	1
Perfluorotridecanoic acid (PFTeDA)	ND		0.22	0.057	ug/Kg	☼	04/23/21 18:48	04/24/21 13:12	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-06(0-1.5)

Lab Sample ID: 320-72716-7

Date Collected: 04/20/21 11:40

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.060	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.028	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.22	0.022	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.035	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.039	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
Perfluorooctanesulfonic acid (PFOS)	0.23	J I	0.56	0.22	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
Perfluorononanesulfonic acid (PFNS)	ND		0.22	0.022	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.044	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.22	0.067	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.092	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
NMeFOSA	ND		0.22	0.046	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
NEtFOSA	ND		0.22	0.027	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
NMeFOSAA	ND		2.2	0.44	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
NEtFOSAA	ND		2.2	0.41	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
NMeFOSE	ND		0.22	0.079	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
NEtFOSE	ND		0.22	0.040	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
4:2 FTS	ND		2.2	0.41	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
6:2 FTS	ND		2.2	0.17	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
8:2 FTS	0.30	J	2.2	0.28	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
HFPO-DA (GenX)	ND		0.28	0.12	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
9CI-PF3ONS	ND		0.22	0.030	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
11CI-PF3OUdS	ND		0.22	0.025	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.22	0.020	ug/Kg	✳	04/23/21 18:48	04/24/21 13:12	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	72		25 - 150	04/23/21 18:48	04/24/21 13:12	1
13C5 PFPeA	76		25 - 150	04/23/21 18:48	04/24/21 13:12	1
13C2 PFHxA	73		25 - 150	04/23/21 18:48	04/24/21 13:12	1
13C4 PFHpA	84		25 - 150	04/23/21 18:48	04/24/21 13:12	1
13C4 PFOA	78		25 - 150	04/23/21 18:48	04/24/21 13:12	1
13C5 PFNA	77		25 - 150	04/23/21 18:48	04/24/21 13:12	1
13C2 PFDA	71		25 - 150	04/23/21 18:48	04/24/21 13:12	1
13C2 PFUnA	87		25 - 150	04/23/21 18:48	04/24/21 13:12	1
13C2 PFDoA	83		25 - 150	04/23/21 18:48	04/24/21 13:12	1
13C2 PFTeDA	68		25 - 150	04/23/21 18:48	04/24/21 13:12	1
13C3 PFBS	73		25 - 150	04/23/21 18:48	04/24/21 13:12	1
18O2 PFHxS	79		25 - 150	04/23/21 18:48	04/24/21 13:12	1
13C4 PFOS	72		25 - 150	04/23/21 18:48	04/24/21 13:12	1
13C8 FOSA	83		10 - 150	04/23/21 18:48	04/24/21 13:12	1
M2-4:2 FTS	80		25 - 150	04/23/21 18:48	04/24/21 13:12	1
M2-6:2 FTS	88		25 - 150	04/23/21 18:48	04/24/21 13:12	1
M2-8:2 FTS	106		25 - 150	04/23/21 18:48	04/24/21 13:12	1
13C2 10:2 FTS	85		25 - 150	04/23/21 18:48	04/24/21 13:12	1
13C3 HFPO-DA	76		25 - 150	04/23/21 18:48	04/24/21 13:12	1
d3-NMeFOSAA	70		25 - 150	04/23/21 18:48	04/24/21 13:12	1
d5-NEtFOSAA	80		25 - 150	04/23/21 18:48	04/24/21 13:12	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-06(0-1.5)

Lab Sample ID: 320-72716-7

Date Collected: 04/20/21 11:40

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 84.2

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	73		10 - 150	04/23/21 18:48	04/24/21 13:12	1
d-N-EtFOSA-M	81		10 - 150	04/23/21 18:48	04/24/21 13:12	1
d7-N-MeFOSE-M	81		10 - 150	04/23/21 18:48	04/24/21 13:12	1
d9-N-EtFOSE-M	79		10 - 150	04/23/21 18:48	04/24/21 13:12	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15.8		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	84.2		0.1	0.1	%			04/23/21 10:37	1

Client Sample ID: SB-07(0-2)

Lab Sample ID: 320-72716-8

Date Collected: 04/20/21 12:00

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 85.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.13	J	0.23	0.032	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.089	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.049	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluoroheptanoic acid (PFHpA)	0.034	J	0.23	0.034	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.10	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluorononanoic acid (PFNA)	0.043	J	0.23	0.042	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.025	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.042	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.078	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluorotridecanoic acid (PFTriDA)	ND		0.23	0.059	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.063	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.029	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.23	0.023	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.036	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.041	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.58	0.23	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluorononanesulfonic acid (PFNS)	ND		0.23	0.023	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.045	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.23	0.069	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.095	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
NMeFOSA	ND		0.23	0.047	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
NEtFOSA	ND		0.23	0.028	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
NMeFOSAA	ND		2.3	0.45	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
NEtFOSAA	ND		2.3	0.43	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
NMeFOSE	ND		0.23	0.082	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
NEtFOSE	ND		0.23	0.042	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
4:2 FTS	ND		2.3	0.43	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
6:2 FTS	ND		2.3	0.17	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
8:2 FTS	ND		2.3	0.29	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
HFPO-DA (GenX)	ND		0.29	0.13	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
9CI-PF3ONS	ND		0.23	0.031	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1
11CI-PF3OUdS	ND		0.23	0.025	ug/Kg	✱	04/23/21 18:48	04/24/21 13:21	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-07(0-2)

Lab Sample ID: 320-72716-8

Date Collected: 04/20/21 12:00

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 85.3

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)	ND		0.23	0.021	ug/Kg	☼	04/23/21 18:48	04/24/21 13:21	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	64		25 - 150				04/23/21 18:48	04/24/21 13:21	1
13C5 PFPeA	63		25 - 150				04/23/21 18:48	04/24/21 13:21	1
13C2 PFHxA	68		25 - 150				04/23/21 18:48	04/24/21 13:21	1
13C4 PFHpA	72		25 - 150				04/23/21 18:48	04/24/21 13:21	1
13C4 PFOA	72		25 - 150				04/23/21 18:48	04/24/21 13:21	1
13C5 PFNA	77		25 - 150				04/23/21 18:48	04/24/21 13:21	1
13C2 PFDA	65		25 - 150				04/23/21 18:48	04/24/21 13:21	1
13C2 PFUnA	70		25 - 150				04/23/21 18:48	04/24/21 13:21	1
13C2 PFDoA	64		25 - 150				04/23/21 18:48	04/24/21 13:21	1
13C2 PFTeDA	67		25 - 150				04/23/21 18:48	04/24/21 13:21	1
13C3 PFBS	64		25 - 150				04/23/21 18:48	04/24/21 13:21	1
18O2 PFHxS	74		25 - 150				04/23/21 18:48	04/24/21 13:21	1
13C4 PFOS	62		25 - 150				04/23/21 18:48	04/24/21 13:21	1
13C8 FOSA	73		10 - 150				04/23/21 18:48	04/24/21 13:21	1
M2-4:2 FTS	66		25 - 150				04/23/21 18:48	04/24/21 13:21	1
M2-6:2 FTS	89		25 - 150				04/23/21 18:48	04/24/21 13:21	1
M2-8:2 FTS	95		25 - 150				04/23/21 18:48	04/24/21 13:21	1
13C2 10:2 FTS	78		25 - 150				04/23/21 18:48	04/24/21 13:21	1
13C3 HFPO-DA	63		25 - 150				04/23/21 18:48	04/24/21 13:21	1
d3-NMeFOSAA	62		25 - 150				04/23/21 18:48	04/24/21 13:21	1
d5-NEtFOSAA	69		25 - 150				04/23/21 18:48	04/24/21 13:21	1
d-N-MeFOSA-M	69		10 - 150				04/23/21 18:48	04/24/21 13:21	1
d-N-EtFOSA-M	67		10 - 150				04/23/21 18:48	04/24/21 13:21	1
d7-N-MeFOSE-M	80		10 - 150				04/23/21 18:48	04/24/21 13:21	1
d9-N-EtFOSE-M	70		10 - 150				04/23/21 18:48	04/24/21 13:21	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14.7		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	85.3		0.1	0.1	%			04/23/21 10:37	1

Client Sample ID: SB-08(0-2)

Lab Sample ID: 320-72716-9

Date Collected: 04/20/21 12:15

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 82.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.14	J	0.23	0.033	ug/Kg	☼	04/23/21 18:48	04/24/21 13:30	1
Perfluoropentanoic acid (PFPeA)	ND		0.23	0.090	ug/Kg	☼	04/23/21 18:48	04/24/21 13:30	1
Perfluorohexanoic acid (PFHxA)	ND		0.23	0.049	ug/Kg	☼	04/23/21 18:48	04/24/21 13:30	1
Perfluoroheptanoic acid (PFHpA)	ND		0.23	0.034	ug/Kg	☼	04/23/21 18:48	04/24/21 13:30	1
Perfluorooctanoic acid (PFOA)	ND		0.23	0.10	ug/Kg	☼	04/23/21 18:48	04/24/21 13:30	1
Perfluorononanoic acid (PFNA)	ND		0.23	0.042	ug/Kg	☼	04/23/21 18:48	04/24/21 13:30	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.026	ug/Kg	☼	04/23/21 18:48	04/24/21 13:30	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.042	ug/Kg	☼	04/23/21 18:48	04/24/21 13:30	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.078	ug/Kg	☼	04/23/21 18:48	04/24/21 13:30	1
Perfluorotridecanoic acid (PFTeDA)	ND		0.23	0.059	ug/Kg	☼	04/23/21 18:48	04/24/21 13:30	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-08(0-2)

Lab Sample ID: 320-72716-9

Date Collected: 04/20/21 12:15

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.063	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.029	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.23	0.023	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.036	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.041	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.58	0.23	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
Perfluorononanesulfonic acid (PFNS)	ND		0.23	0.023	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.045	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.23	0.070	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.096	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
NMeFOSA	ND		0.23	0.048	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
NEtFOSA	ND		0.23	0.028	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
NMeFOSAA	ND		2.3	0.45	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
NEtFOSAA	ND		2.3	0.43	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
NMeFOSE	ND		0.23	0.083	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
NEtFOSE	ND		0.23	0.042	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
4:2 FTS	ND		2.3	0.43	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
6:2 FTS	ND		2.3	0.17	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
8:2 FTS	ND		2.3	0.29	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
HFPO-DA (GenX)	ND		0.29	0.13	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
9Cl-PF3ONS	ND		0.23	0.031	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
11Cl-PF3OUdS	ND		0.23	0.026	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.23	0.021	ug/Kg	*	04/23/21 18:48	04/24/21 13:30	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	69		25 - 150	04/23/21 18:48	04/24/21 13:30	1
13C5 PFPeA	74		25 - 150	04/23/21 18:48	04/24/21 13:30	1
13C2 PFHxA	75		25 - 150	04/23/21 18:48	04/24/21 13:30	1
13C4 PFHpA	83		25 - 150	04/23/21 18:48	04/24/21 13:30	1
13C4 PFOA	77		25 - 150	04/23/21 18:48	04/24/21 13:30	1
13C5 PFNA	81		25 - 150	04/23/21 18:48	04/24/21 13:30	1
13C2 PFDA	95		25 - 150	04/23/21 18:48	04/24/21 13:30	1
13C2 PFUnA	83		25 - 150	04/23/21 18:48	04/24/21 13:30	1
13C2 PFDoA	67		25 - 150	04/23/21 18:48	04/24/21 13:30	1
13C2 PFTeDA	73		25 - 150	04/23/21 18:48	04/24/21 13:30	1
13C3 PFBS	68		25 - 150	04/23/21 18:48	04/24/21 13:30	1
18O2 PFHxS	75		25 - 150	04/23/21 18:48	04/24/21 13:30	1
13C4 PFOS	71		25 - 150	04/23/21 18:48	04/24/21 13:30	1
13C8 FOSA	81		10 - 150	04/23/21 18:48	04/24/21 13:30	1
M2-4:2 FTS	73		25 - 150	04/23/21 18:48	04/24/21 13:30	1
M2-6:2 FTS	89		25 - 150	04/23/21 18:48	04/24/21 13:30	1
M2-8:2 FTS	104		25 - 150	04/23/21 18:48	04/24/21 13:30	1
13C2 10:2 FTS	82		25 - 150	04/23/21 18:48	04/24/21 13:30	1
13C3 HFPO-DA	73		25 - 150	04/23/21 18:48	04/24/21 13:30	1
d3-NMeFOSAA	74		25 - 150	04/23/21 18:48	04/24/21 13:30	1
d5-NEtFOSAA	77		25 - 150	04/23/21 18:48	04/24/21 13:30	1
d-N-MeFOSA-M	73		10 - 150	04/23/21 18:48	04/24/21 13:30	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-08(0-2)

Lab Sample ID: 320-72716-9

Date Collected: 04/20/21 12:15

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 82.3

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-EtFOSA-M	78		10 - 150	04/23/21 18:48	04/24/21 13:30	1
d7-N-MeFOSE-M	89		10 - 150	04/23/21 18:48	04/24/21 13:30	1
d9-N-EtFOSE-M	77		10 - 150	04/23/21 18:48	04/24/21 13:30	1

General Chemistry

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17.7		0.1	0.1 %			04/23/21 10:37	1
Percent Solids	82.3		0.1	0.1 %			04/23/21 10:37	1

Client Sample ID: SB-09(0-2)

Lab Sample ID: 320-72716-10

Date Collected: 04/20/21 12:25

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 82.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.23		0.22	0.031	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluoropentanoic acid (PFPeA)	0.091	J	0.22	0.086	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluorohexanoic acid (PFHxA)	0.089	J	0.22	0.047	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluoroheptanoic acid (PFHpA)	0.067	J	0.22	0.032	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluorooctanoic acid (PFOA)	ND		0.22	0.096	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluorononanoic acid (PFNA)	ND		0.22	0.040	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluorodecanoic acid (PFDA)	ND		0.22	0.025	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.040	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.075	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.22	0.057	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.061	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.028	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.22	0.022	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.035	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.039	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.56	0.22	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluorononanesulfonic acid (PFNS)	ND		0.22	0.022	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.044	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.22	0.067	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.092	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
NMeFOSA	ND		0.22	0.046	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
NEtFOSA	ND		0.22	0.027	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
NMeFOSAA	ND		2.2	0.44	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
NEtFOSAA	ND		2.2	0.41	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
NMeFOSE	ND		0.22	0.080	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
NEtFOSE	ND		0.22	0.040	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
4:2 FTS	ND		2.2	0.41	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
6:2 FTS	ND		2.2	0.17	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
8:2 FTS	ND		2.2	0.28	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
HFPO-DA (GenX)	ND		0.28	0.12	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
9CI-PF3ONS	ND		0.22	0.030	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1
11CI-PF3OUdS	ND		0.22	0.025	ug/Kg	✱	04/23/21 18:48	04/24/21 14:07	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-09(0-2)

Lab Sample ID: 320-72716-10

Date Collected: 04/20/21 12:25

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 82.0

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)	ND		0.22	0.020	ug/Kg	☼	04/23/21 18:48	04/24/21 14:07	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	72		25 - 150				04/23/21 18:48	04/24/21 14:07	1
13C5 PFPeA	77		25 - 150				04/23/21 18:48	04/24/21 14:07	1
13C2 PFHxA	75		25 - 150				04/23/21 18:48	04/24/21 14:07	1
13C4 PFHpA	71		25 - 150				04/23/21 18:48	04/24/21 14:07	1
13C4 PFOA	81		25 - 150				04/23/21 18:48	04/24/21 14:07	1
13C5 PFNA	81		25 - 150				04/23/21 18:48	04/24/21 14:07	1
13C2 PFDA	81		25 - 150				04/23/21 18:48	04/24/21 14:07	1
13C2 PFUnA	77		25 - 150				04/23/21 18:48	04/24/21 14:07	1
13C2 PFDoA	73		25 - 150				04/23/21 18:48	04/24/21 14:07	1
13C2 PFTeDA	67		25 - 150				04/23/21 18:48	04/24/21 14:07	1
13C3 PFBS	66		25 - 150				04/23/21 18:48	04/24/21 14:07	1
18O2 PFHxS	70		25 - 150				04/23/21 18:48	04/24/21 14:07	1
13C4 PFOS	70		25 - 150				04/23/21 18:48	04/24/21 14:07	1
13C8 FOSA	79		10 - 150				04/23/21 18:48	04/24/21 14:07	1
M2-4:2 FTS	75		25 - 150				04/23/21 18:48	04/24/21 14:07	1
M2-6:2 FTS	97		25 - 150				04/23/21 18:48	04/24/21 14:07	1
M2-8:2 FTS	104		25 - 150				04/23/21 18:48	04/24/21 14:07	1
13C2 10:2 FTS	82		25 - 150				04/23/21 18:48	04/24/21 14:07	1
13C3 HFPO-DA	73		25 - 150				04/23/21 18:48	04/24/21 14:07	1
d3-NMeFOSAA	67		25 - 150				04/23/21 18:48	04/24/21 14:07	1
d5-NEtFOSAA	69		25 - 150				04/23/21 18:48	04/24/21 14:07	1
d-N-MeFOSA-M	72		10 - 150				04/23/21 18:48	04/24/21 14:07	1
d-N-EtFOSA-M	73		10 - 150				04/23/21 18:48	04/24/21 14:07	1
d7-N-MeFOSE-M	84		10 - 150				04/23/21 18:48	04/24/21 14:07	1
d9-N-EtFOSE-M	77		10 - 150				04/23/21 18:48	04/24/21 14:07	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18.0		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	82.0		0.1	0.1	%			04/23/21 10:37	1

Client Sample ID: SB-10(2-4)

Lab Sample ID: 320-72716-11

Date Collected: 04/20/21 15:20

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 89.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.17	J	0.22	0.030	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluoropentanoic acid (PFPeA)	0.60		0.22	0.083	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluorohexanoic acid (PFHxA)	0.57		0.22	0.046	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluoroheptanoic acid (PFHpA)	1.1		0.22	0.031	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluorooctanoic acid (PFOA)	4.0		0.22	0.093	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluorononanoic acid (PFNA)	1.4		0.22	0.039	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluorodecanoic acid (PFDA)	1.5		0.22	0.024	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluoroundecanoic acid (PFUnA)	0.40		0.22	0.039	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluorododecanoic acid (PFDoA)	0.47		0.22	0.073	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-10(2-4)

Lab Sample ID: 320-72716-11

Date Collected: 04/20/21 15:20

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 89.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotridecanoic acid (PFTTrDA)	0.058	J	0.22	0.055	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluorotetradecanoic acid (PFTTeA)	ND		0.22	0.059	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.027	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.22	0.022	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.034	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.038	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluorooctanesulfonic acid (PFOS)	0.75		0.54	0.22	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluorononanesulfonic acid (PFNS)	ND		0.22	0.022	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluorodecanesulfonic acid (PFDS)	0.12	J	0.22	0.042	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.22	0.065	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.089	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
NMeFOSA	ND		0.22	0.044	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
NEtFOSA	ND		0.22	0.026	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
NMeFOSAA	ND		2.2	0.42	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
NEtFOSAA	ND		2.2	0.40	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
NMeFOSE	ND		0.22	0.077	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
NEtFOSE	ND		0.22	0.039	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
4:2 FTS	ND		2.2	0.40	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
6:2 FTS	6.5		2.2	0.16	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
HFPO-DA (GenX)	ND		0.27	0.12	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
9CI-PF3ONS	ND		0.22	0.029	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
11CI-PF3OUdS	ND		0.22	0.024	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.22	0.020	ug/Kg	☼	04/23/21 18:48	04/24/21 14:16	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	76		25 - 150	04/23/21 18:48	04/24/21 14:16	1
13C5 PFPeA	76		25 - 150	04/23/21 18:48	04/24/21 14:16	1
13C2 PFHxA	79		25 - 150	04/23/21 18:48	04/24/21 14:16	1
13C4 PFHpA	82		25 - 150	04/23/21 18:48	04/24/21 14:16	1
13C4 PFOA	82		25 - 150	04/23/21 18:48	04/24/21 14:16	1
13C5 PFNA	78		25 - 150	04/23/21 18:48	04/24/21 14:16	1
13C2 PFDA	74		25 - 150	04/23/21 18:48	04/24/21 14:16	1
13C2 PFUnA	80		25 - 150	04/23/21 18:48	04/24/21 14:16	1
13C2 PFDoA	81		25 - 150	04/23/21 18:48	04/24/21 14:16	1
13C2 PFTeDA	73		25 - 150	04/23/21 18:48	04/24/21 14:16	1
13C3 PFBS	77		25 - 150	04/23/21 18:48	04/24/21 14:16	1
18O2 PFHxS	70		25 - 150	04/23/21 18:48	04/24/21 14:16	1
13C4 PFOS	76		25 - 150	04/23/21 18:48	04/24/21 14:16	1
13C8 FOSA	77		10 - 150	04/23/21 18:48	04/24/21 14:16	1
M2-4:2 FTS	75		25 - 150	04/23/21 18:48	04/24/21 14:16	1
M2-6:2 FTS	83		25 - 150	04/23/21 18:48	04/24/21 14:16	1
13C2 10:2 FTS	67		25 - 150	04/23/21 18:48	04/24/21 14:16	1
13C3 HFPO-DA	79		25 - 150	04/23/21 18:48	04/24/21 14:16	1
d3-NMeFOSAA	68		25 - 150	04/23/21 18:48	04/24/21 14:16	1
d5-NEtFOSAA	75		25 - 150	04/23/21 18:48	04/24/21 14:16	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-10(2-4)

Lab Sample ID: 320-72716-11

Date Collected: 04/20/21 15:20

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 89.6

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d-N-MeFOSA-M	76		10 - 150	04/23/21 18:48	04/24/21 14:16	1
d-N-EtFOSA-M	80		10 - 150	04/23/21 18:48	04/24/21 14:16	1
d7-N-MeFOSE-M	69		10 - 150	04/23/21 18:48	04/24/21 14:16	1
d9-N-EtFOSE-M	66		10 - 150	04/23/21 18:48	04/24/21 14:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	44		11	1.4	ug/Kg	☆	04/23/21 18:48	04/27/21 20:20	5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	75		25 - 150	04/23/21 18:48	04/27/21 20:20	5

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.4		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	89.6		0.1	0.1	%			04/23/21 10:37	1

Client Sample ID: SB-11(2-4)

Lab Sample ID: 320-72716-13

Date Collected: 04/20/21 13:20

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 82.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.80		0.23	0.033	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluoropentanoic acid (PFPeA)	2.2		0.23	0.090	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluorohexanoic acid (PFHxA)	1.0		0.23	0.049	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluoroheptanoic acid (PFHpA)	1.0		0.23	0.034	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluorooctanoic acid (PFOA)	1.0		0.23	0.10	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluorononanoic acid (PFNA)	0.065	J	0.23	0.042	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluorodecanoic acid (PFDA)	ND		0.23	0.026	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.042	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.079	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.23	0.060	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.063	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.029	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.23	0.023	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.036	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.041	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.59	0.23	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluorononanesulfonic acid (PFNS)	ND		0.23	0.023	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.046	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.23	0.070	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.096	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
NMeFOSA	ND		0.23	0.048	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
NEtFOSA	ND		0.23	0.028	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
NMeFOSAA	ND		2.3	0.46	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
NEtFOSAA	ND		2.3	0.43	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
NMeFOSE	ND		0.23	0.083	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1
NEtFOSE	ND		0.23	0.042	ug/Kg	☆	04/23/21 18:48	04/24/21 14:25	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-11(2-4)

Lab Sample ID: 320-72716-13

Date Collected: 04/20/21 13:20

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4:2 FTS	ND		2.3	0.43	ug/Kg	☼	04/23/21 18:48	04/24/21 14:25	1
6:2 FTS	ND		2.3	0.18	ug/Kg	☼	04/23/21 18:48	04/24/21 14:25	1
8:2 FTS	ND		2.3	0.29	ug/Kg	☼	04/23/21 18:48	04/24/21 14:25	1
HFPO-DA (GenX)	ND		0.29	0.13	ug/Kg	☼	04/23/21 18:48	04/24/21 14:25	1
9Cl-PF3ONS	ND		0.23	0.032	ug/Kg	☼	04/23/21 18:48	04/24/21 14:25	1
11Cl-PF3OUdS	ND		0.23	0.026	ug/Kg	☼	04/23/21 18:48	04/24/21 14:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.23	0.021	ug/Kg	☼	04/23/21 18:48	04/24/21 14:25	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	76		25 - 150	04/23/21 18:48	04/24/21 14:25	1
13C5 PFPeA	77		25 - 150	04/23/21 18:48	04/24/21 14:25	1
13C2 PFHxA	79		25 - 150	04/23/21 18:48	04/24/21 14:25	1
13C4 PFHpA	83		25 - 150	04/23/21 18:48	04/24/21 14:25	1
13C4 PFOA	77		25 - 150	04/23/21 18:48	04/24/21 14:25	1
13C5 PFNA	80		25 - 150	04/23/21 18:48	04/24/21 14:25	1
13C2 PFDA	80		25 - 150	04/23/21 18:48	04/24/21 14:25	1
13C2 PFUnA	79		25 - 150	04/23/21 18:48	04/24/21 14:25	1
13C2 PFDoA	88		25 - 150	04/23/21 18:48	04/24/21 14:25	1
13C2 PFTeDA	75		25 - 150	04/23/21 18:48	04/24/21 14:25	1
13C3 PFBS	69		25 - 150	04/23/21 18:48	04/24/21 14:25	1
18O2 PFHxS	80		25 - 150	04/23/21 18:48	04/24/21 14:25	1
13C4 PFOS	79		25 - 150	04/23/21 18:48	04/24/21 14:25	1
13C8 FOSA	82		10 - 150	04/23/21 18:48	04/24/21 14:25	1
M2-4:2 FTS	67		25 - 150	04/23/21 18:48	04/24/21 14:25	1
M2-6:2 FTS	91		25 - 150	04/23/21 18:48	04/24/21 14:25	1
M2-8:2 FTS	108		25 - 150	04/23/21 18:48	04/24/21 14:25	1
13C2 10:2 FTS	95		25 - 150	04/23/21 18:48	04/24/21 14:25	1
13C3 HFPO-DA	77		25 - 150	04/23/21 18:48	04/24/21 14:25	1
d3-NMeFOSAA	73		25 - 150	04/23/21 18:48	04/24/21 14:25	1
d5-NEtFOSAA	71		25 - 150	04/23/21 18:48	04/24/21 14:25	1
d-N-MeFOSA-M	73		10 - 150	04/23/21 18:48	04/24/21 14:25	1
d-N-EtFOSA-M	77		10 - 150	04/23/21 18:48	04/24/21 14:25	1
d7-N-MeFOSE-M	75		10 - 150	04/23/21 18:48	04/24/21 14:25	1
d9-N-EtFOSE-M	79		10 - 150	04/23/21 18:48	04/24/21 14:25	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17.2		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	82.8		0.1	0.1	%			04/23/21 10:37	1

Client Sample ID: SB-12(2-4)

Lab Sample ID: 320-72716-15

Date Collected: 04/20/21 13:40

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 79.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.52		0.24	0.034	ug/Kg	☼	04/23/21 18:48	04/24/21 14:34	1
Perfluoropentanoic acid (PFPeA)	1.2		0.24	0.093	ug/Kg	☼	04/23/21 18:48	04/24/21 14:34	1
Perfluorohexanoic acid (PFHxA)	0.64		0.24	0.051	ug/Kg	☼	04/23/21 18:48	04/24/21 14:34	1
Perfluoroheptanoic acid (PFHpA)	0.40		0.24	0.035	ug/Kg	☼	04/23/21 18:48	04/24/21 14:34	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-12(2-4)

Lab Sample ID: 320-72716-15

Date Collected: 04/20/21 13:40

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	0.17	J	0.24	0.10	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluorononanoic acid (PFNA)	ND		0.24	0.043	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluorodecanoic acid (PFDA)	ND		0.24	0.027	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.043	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.081	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.24	0.061	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.24	0.065	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.030	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.24	0.024	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.037	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.24	0.042	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.60	0.24	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluorononanesulfonic acid (PFNS)	ND		0.24	0.024	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.047	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.24	0.072	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
Perfluorooctanesulfonamide (FOSA)	ND		0.24	0.099	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
NMeFOSA	ND		0.24	0.049	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
NEtFOSA	ND		0.24	0.029	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
NMeFOSAA	ND		2.4	0.47	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
NEtFOSAA	ND		2.4	0.45	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
NMeFOSE	ND		0.24	0.086	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
NEtFOSE	ND		0.24	0.043	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
4:2 FTS	ND		2.4	0.45	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
6:2 FTS	ND		2.4	0.18	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
8:2 FTS	ND		2.4	0.30	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
HFPO-DA (GenX)	ND		0.30	0.13	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
9Cl-PF3ONS	ND		0.24	0.033	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
11Cl-PF3OUdS	ND		0.24	0.027	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.24	0.022	ug/Kg	✱	04/23/21 18:48	04/24/21 14:34	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	70		25 - 150	04/23/21 18:48	04/24/21 14:34	1
13C5 PFPeA	69		25 - 150	04/23/21 18:48	04/24/21 14:34	1
13C2 PFHxA	74		25 - 150	04/23/21 18:48	04/24/21 14:34	1
13C4 PFHpA	77		25 - 150	04/23/21 18:48	04/24/21 14:34	1
13C4 PFOA	82		25 - 150	04/23/21 18:48	04/24/21 14:34	1
13C5 PFNA	81		25 - 150	04/23/21 18:48	04/24/21 14:34	1
13C2 PFDA	81		25 - 150	04/23/21 18:48	04/24/21 14:34	1
13C2 PFUnA	89		25 - 150	04/23/21 18:48	04/24/21 14:34	1
13C2 PFDoA	74		25 - 150	04/23/21 18:48	04/24/21 14:34	1
13C2 PFTeDA	73		25 - 150	04/23/21 18:48	04/24/21 14:34	1
13C3 PFBS	71		25 - 150	04/23/21 18:48	04/24/21 14:34	1
18O2 PFHxS	74		25 - 150	04/23/21 18:48	04/24/21 14:34	1
13C4 PFOS	74		25 - 150	04/23/21 18:48	04/24/21 14:34	1
13C8 FOSA	80		10 - 150	04/23/21 18:48	04/24/21 14:34	1
M2-4:2 FTS	73		25 - 150	04/23/21 18:48	04/24/21 14:34	1
M2-6:2 FTS	95		25 - 150	04/23/21 18:48	04/24/21 14:34	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-12(2-4)

Lab Sample ID: 320-72716-15

Date Collected: 04/20/21 13:40

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 79.3

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	93		25 - 150	04/23/21 18:48	04/24/21 14:34	1
13C2 10:2 FTS	83		25 - 150	04/23/21 18:48	04/24/21 14:34	1
13C3 HFPO-DA	69		25 - 150	04/23/21 18:48	04/24/21 14:34	1
d3-NMeFOSAA	79		25 - 150	04/23/21 18:48	04/24/21 14:34	1
d5-NEtFOSAA	78		25 - 150	04/23/21 18:48	04/24/21 14:34	1
d-N-MeFOSA-M	73		10 - 150	04/23/21 18:48	04/24/21 14:34	1
d-N-EtFOSA-M	73		10 - 150	04/23/21 18:48	04/24/21 14:34	1
d7-N-MeFOSE-M	86		10 - 150	04/23/21 18:48	04/24/21 14:34	1
d9-N-EtFOSE-M	83		10 - 150	04/23/21 18:48	04/24/21 14:34	1

General Chemistry

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20.7		0.1	0.1 %			04/23/21 10:37	1
Percent Solids	79.3		0.1	0.1 %			04/23/21 10:37	1

Client Sample ID: SB-13(2.25-4)

Lab Sample ID: 320-72716-17

Date Collected: 04/20/21 15:40

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 84.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.13	J	0.23	0.032	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluoropentanoic acid (PFPeA)	0.58		0.23	0.089	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluorohexanoic acid (PFHxA)	0.46		0.23	0.049	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluoroheptanoic acid (PFHpA)	0.25		0.23	0.034	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluorooctanoic acid (PFOA)	0.52		0.23	0.10	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluorononanoic acid (PFNA)	0.35		0.23	0.042	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluorodecanoic acid (PFDA)	0.90		0.23	0.025	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluoroundecanoic acid (PFUnA)	0.28		0.23	0.042	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluorododecanoic acid (PFDoA)	1.0		0.23	0.078	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluorotridecanoic acid (PFTrDA)	0.12	J	0.23	0.059	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluorotetradecanoic acid (PFTeA)	0.24		0.23	0.062	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.029	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.23	0.023	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.036	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.040	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.58	0.23	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluorononanesulfonic acid (PFNS)	ND		0.23	0.023	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluorodecanesulfonic acid (PFDS)	0.18	J	0.23	0.045	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.23	0.069	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.095	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
NMeFOSA	ND		0.23	0.047	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
NEtFOSA	ND		0.23	0.028	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1
NMeFOSAA	ND		2.3	0.45	ug/Kg	⊛	04/23/21 18:48	04/24/21 14:43	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-13(2.25-4)

Lab Sample ID: 320-72716-17

Date Collected: 04/20/21 15:40

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.3	0.43	ug/Kg	☼	04/23/21 18:48	04/24/21 14:43	1
NMeFOSE	ND		0.23	0.082	ug/Kg	☼	04/23/21 18:48	04/24/21 14:43	1
NEtFOSE	ND		0.23	0.042	ug/Kg	☼	04/23/21 18:48	04/24/21 14:43	1
4:2 FTS	ND		2.3	0.43	ug/Kg	☼	04/23/21 18:48	04/24/21 14:43	1
6:2 FTS	2.2	J	2.3	0.17	ug/Kg	☼	04/23/21 18:48	04/24/21 14:43	1
8:2 FTS	3.0		2.3	0.29	ug/Kg	☼	04/23/21 18:48	04/24/21 14:43	1
HFPO-DA (GenX)	ND		0.29	0.13	ug/Kg	☼	04/23/21 18:48	04/24/21 14:43	1
9Cl-PF3ONS	ND		0.23	0.031	ug/Kg	☼	04/23/21 18:48	04/24/21 14:43	1
11Cl-PF3OUdS	ND		0.23	0.025	ug/Kg	☼	04/23/21 18:48	04/24/21 14:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.23	0.021	ug/Kg	☼	04/23/21 18:48	04/24/21 14:43	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	80		25 - 150	04/23/21 18:48	04/24/21 14:43	1
13C5 PFPeA	81		25 - 150	04/23/21 18:48	04/24/21 14:43	1
13C2 PFHxA	89		25 - 150	04/23/21 18:48	04/24/21 14:43	1
13C4 PFHpA	90		25 - 150	04/23/21 18:48	04/24/21 14:43	1
13C4 PFOA	98		25 - 150	04/23/21 18:48	04/24/21 14:43	1
13C5 PFNA	92		25 - 150	04/23/21 18:48	04/24/21 14:43	1
13C2 PFDA	85		25 - 150	04/23/21 18:48	04/24/21 14:43	1
13C2 PFUnA	101		25 - 150	04/23/21 18:48	04/24/21 14:43	1
13C2 PFDoA	92		25 - 150	04/23/21 18:48	04/24/21 14:43	1
13C2 PFTeDA	91		25 - 150	04/23/21 18:48	04/24/21 14:43	1
13C3 PFBS	81		25 - 150	04/23/21 18:48	04/24/21 14:43	1
18O2 PFHxS	89		25 - 150	04/23/21 18:48	04/24/21 14:43	1
13C4 PFOS	86		25 - 150	04/23/21 18:48	04/24/21 14:43	1
13C8 FOSA	105		10 - 150	04/23/21 18:48	04/24/21 14:43	1
M2-4:2 FTS	95		25 - 150	04/23/21 18:48	04/24/21 14:43	1
M2-6:2 FTS	114		25 - 150	04/23/21 18:48	04/24/21 14:43	1
M2-8:2 FTS	108		25 - 150	04/23/21 18:48	04/24/21 14:43	1
13C2 10:2 FTS	111		25 - 150	04/23/21 18:48	04/24/21 14:43	1
13C3 HFPO-DA	88		25 - 150	04/23/21 18:48	04/24/21 14:43	1
d3-NMeFOSAA	81		25 - 150	04/23/21 18:48	04/24/21 14:43	1
d5-NEtFOSAA	92		25 - 150	04/23/21 18:48	04/24/21 14:43	1
d-N-MeFOSA-M	90		10 - 150	04/23/21 18:48	04/24/21 14:43	1
d-N-EtFOSA-M	89		10 - 150	04/23/21 18:48	04/24/21 14:43	1
d7-N-MeFOSE-M	90		10 - 150	04/23/21 18:48	04/24/21 14:43	1
d9-N-EtFOSE-M	83		10 - 150	04/23/21 18:48	04/24/21 14:43	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15.3		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	84.7		0.1	0.1	%			04/23/21 10:37	1

Client Sample ID: SB-14(0-4)

Lab Sample ID: 320-72716-19

Date Collected: 04/20/21 16:15

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 94.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.028	ug/Kg	☼	04/23/21 18:48	04/24/21 14:53	1

Euofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-14(0-4)

Lab Sample ID: 320-72716-19

Date Collected: 04/20/21 16:15

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.078	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.043	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.029	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.087	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.037	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluorodecanoic acid (PFDA)	0.043	J	0.20	0.022	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.037	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.068	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.052	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.055	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.025	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.020	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.032	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.036	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.51	0.20	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.020	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.040	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.061	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.083	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
NMeFOSA	ND		0.20	0.042	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
NEtFOSA	ND		0.20	0.024	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
NMeFOSAA	ND		2.0	0.40	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
NEtFOSAA	ND		2.0	0.38	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
NMeFOSE	ND		0.20	0.072	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
NEtFOSE	ND		0.20	0.037	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
4:2 FTS	ND		2.0	0.38	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
6:2 FTS	ND		2.0	0.15	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
8:2 FTS	ND		2.0	0.25	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
HFPO-DA (GenX)	ND		0.25	0.11	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
9Cl-PF3ONS	ND		0.20	0.027	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
11Cl-PF3OUdS	ND		0.20	0.022	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.018	ug/Kg	✱	04/23/21 18:48	04/24/21 14:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	75		25 - 150	04/23/21 18:48	04/24/21 14:53	1
13C5 PFPeA	79		25 - 150	04/23/21 18:48	04/24/21 14:53	1
13C2 PFHxA	78		25 - 150	04/23/21 18:48	04/24/21 14:53	1
13C4 PFHpA	86		25 - 150	04/23/21 18:48	04/24/21 14:53	1
13C4 PFOA	82		25 - 150	04/23/21 18:48	04/24/21 14:53	1
13C5 PFNA	79		25 - 150	04/23/21 18:48	04/24/21 14:53	1
13C2 PFDA	78		25 - 150	04/23/21 18:48	04/24/21 14:53	1
13C2 PFUnA	78		25 - 150	04/23/21 18:48	04/24/21 14:53	1
13C2 PFDoA	78		25 - 150	04/23/21 18:48	04/24/21 14:53	1
13C2 PFTeDA	69		25 - 150	04/23/21 18:48	04/24/21 14:53	1
13C3 PFBS	76		25 - 150	04/23/21 18:48	04/24/21 14:53	1
18O2 PFHxS	76		25 - 150	04/23/21 18:48	04/24/21 14:53	1
13C4 PFOS	74		25 - 150	04/23/21 18:48	04/24/21 14:53	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-14(0-4)

Lab Sample ID: 320-72716-19

Date Collected: 04/20/21 16:15

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 94.8

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	87		10 - 150	04/23/21 18:48	04/24/21 14:53	1
M2-4:2 FTS	76		25 - 150	04/23/21 18:48	04/24/21 14:53	1
M2-6:2 FTS	90		25 - 150	04/23/21 18:48	04/24/21 14:53	1
M2-8:2 FTS	92		25 - 150	04/23/21 18:48	04/24/21 14:53	1
13C2 10:2 FTS	83		25 - 150	04/23/21 18:48	04/24/21 14:53	1
13C3 HFPO-DA	80		25 - 150	04/23/21 18:48	04/24/21 14:53	1
d3-NMeFOSAA	77		25 - 150	04/23/21 18:48	04/24/21 14:53	1
d5-NEtFOSAA	79		25 - 150	04/23/21 18:48	04/24/21 14:53	1
d-N-MeFOSA-M	79		10 - 150	04/23/21 18:48	04/24/21 14:53	1
d-N-EtFOSA-M	75		10 - 150	04/23/21 18:48	04/24/21 14:53	1
d7-N-MeFOSE-M	74		10 - 150	04/23/21 18:48	04/24/21 14:53	1
d9-N-EtFOSE-M	79		10 - 150	04/23/21 18:48	04/24/21 14:53	1

General Chemistry

Analyte	Result	Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.2		0.1	0.1 %			04/23/21 10:37	1
Percent Solids	94.8		0.1	0.1 %			04/23/21 10:37	1

Client Sample ID: SB-15(0-2)

Lab Sample ID: 320-72716-20

Date Collected: 04/21/21 08:20

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 93.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.029	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.081	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluorohexanoic acid (PFHxA)	ND		0.21	0.044	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluoroheptanoic acid (PFHpA)	ND		0.21	0.030	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluorooctanoic acid (PFOA)	ND		0.21	0.090	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluorononanoic acid (PFNA)	0.040	J	0.21	0.038	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluorodecanoic acid (PFDA)	ND		0.21	0.023	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluoroundecanoic acid (PFUnA)	ND		0.21	0.038	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluorododecanoic acid (PFDoA)	ND		0.21	0.070	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.21	0.053	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.21	0.057	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.026	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.21	0.021	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.032	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.037	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.52	0.21	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluorononanesulfonic acid (PFNS)	ND		0.21	0.021	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.041	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.21	0.063	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.086	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
NMeFOSA	ND		0.21	0.043	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
NEtFOSA	ND		0.21	0.025	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
NMeFOSAA	ND		2.1	0.41	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1
NEtFOSAA	ND		2.1	0.39	ug/Kg	✱	04/23/21 18:48	04/24/21 15:02	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-15(0-2)

Lab Sample ID: 320-72716-20

Date Collected: 04/21/21 08:20

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSE	ND		0.21	0.074	ug/Kg	☼	04/23/21 18:48	04/24/21 15:02	1
NEtFOSE	ND		0.21	0.038	ug/Kg	☼	04/23/21 18:48	04/24/21 15:02	1
4:2 FTS	ND		2.1	0.39	ug/Kg	☼	04/23/21 18:48	04/24/21 15:02	1
6:2 FTS	ND		2.1	0.16	ug/Kg	☼	04/23/21 18:48	04/24/21 15:02	1
8:2 FTS	ND		2.1	0.26	ug/Kg	☼	04/23/21 18:48	04/24/21 15:02	1
HFPO-DA (GenX)	ND		0.26	0.12	ug/Kg	☼	04/23/21 18:48	04/24/21 15:02	1
9Cl-PF3ONS	ND		0.21	0.028	ug/Kg	☼	04/23/21 18:48	04/24/21 15:02	1
11Cl-PF3OUdS	ND		0.21	0.023	ug/Kg	☼	04/23/21 18:48	04/24/21 15:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.21	0.019	ug/Kg	☼	04/23/21 18:48	04/24/21 15:02	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	71		25 - 150	04/23/21 18:48	04/24/21 15:02	1
13C5 PFPeA	77		25 - 150	04/23/21 18:48	04/24/21 15:02	1
13C2 PFHxA	76		25 - 150	04/23/21 18:48	04/24/21 15:02	1
13C4 PFHpA	76		25 - 150	04/23/21 18:48	04/24/21 15:02	1
13C4 PFOA	77		25 - 150	04/23/21 18:48	04/24/21 15:02	1
13C5 PFNA	78		25 - 150	04/23/21 18:48	04/24/21 15:02	1
13C2 PFDA	75		25 - 150	04/23/21 18:48	04/24/21 15:02	1
13C2 PFUnA	76		25 - 150	04/23/21 18:48	04/24/21 15:02	1
13C2 PFDoA	73		25 - 150	04/23/21 18:48	04/24/21 15:02	1
13C2 PFTeDA	67		25 - 150	04/23/21 18:48	04/24/21 15:02	1
13C3 PFBS	73		25 - 150	04/23/21 18:48	04/24/21 15:02	1
18O2 PFHxS	72		25 - 150	04/23/21 18:48	04/24/21 15:02	1
13C4 PFOS	65		25 - 150	04/23/21 18:48	04/24/21 15:02	1
13C8 FOSA	81		10 - 150	04/23/21 18:48	04/24/21 15:02	1
M2-4:2 FTS	72		25 - 150	04/23/21 18:48	04/24/21 15:02	1
M2-6:2 FTS	92		25 - 150	04/23/21 18:48	04/24/21 15:02	1
M2-8:2 FTS	100		25 - 150	04/23/21 18:48	04/24/21 15:02	1
13C2 10:2 FTS	89		25 - 150	04/23/21 18:48	04/24/21 15:02	1
13C3 HFPO-DA	75		25 - 150	04/23/21 18:48	04/24/21 15:02	1
d3-NMeFOSAA	77		25 - 150	04/23/21 18:48	04/24/21 15:02	1
d5-NEtFOSAA	77		25 - 150	04/23/21 18:48	04/24/21 15:02	1
d-N-MeFOSA-M	69		10 - 150	04/23/21 18:48	04/24/21 15:02	1
d-N-EtFOSA-M	72		10 - 150	04/23/21 18:48	04/24/21 15:02	1
d7-N-MeFOSE-M	80		10 - 150	04/23/21 18:48	04/24/21 15:02	1
d9-N-EtFOSE-M	76		10 - 150	04/23/21 18:48	04/24/21 15:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.8		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	93.2		0.1	0.1	%			04/23/21 10:37	1

Client Sample ID: SB-16(0-2)

Lab Sample ID: 320-72716-21

Date Collected: 04/21/21 08:35

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 93.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.21	0.030	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluoropentanoic acid (PFPeA)	ND		0.21	0.083	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-16(0-2)

Lab Sample ID: 320-72716-21

Date Collected: 04/21/21 08:35

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	0.064	J	0.21	0.045	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluoroheptanoic acid (PFHpA)	0.044	J	0.21	0.031	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluorooctanoic acid (PFOA)	0.099	J	0.21	0.092	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluorononanoic acid (PFNA)	0.042	J	0.21	0.039	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluorodecanoic acid (PFDA)	0.12	J	0.21	0.024	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluoroundecanoic acid (PFUnA)	0.11	J	0.21	0.039	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluorododecanoic acid (PFDoA)	0.20	J	0.21	0.072	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluorotridecanoic acid (PFTTrDA)	0.081	J	0.21	0.055	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluorotetradecanoic acid (PFTeA)	0.13	J	0.21	0.058	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.21	0.027	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.21	0.021	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.21	0.033	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.21	0.038	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.54	0.21	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluorononanesulfonic acid (PFNS)	ND		0.21	0.021	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.21	0.042	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.21	0.064	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
Perfluorooctanesulfonamide (FOSA)	ND		0.21	0.088	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
NMeFOSA	ND		0.21	0.044	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
NEtFOSA	ND		0.21	0.026	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
NMeFOSAA	ND		2.1	0.42	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
NEtFOSAA	ND		2.1	0.40	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
NMeFOSE	ND		0.21	0.076	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
NEtFOSE	ND		0.21	0.039	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
4:2 FTS	ND		2.1	0.40	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
6:2 FTS	0.30	J	2.1	0.16	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
8:2 FTS	5.0		2.1	0.27	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
HFPO-DA (GenX)	ND		0.27	0.12	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
9Cl-PF3ONS	ND		0.21	0.029	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
11Cl-PF3OUdS	ND		0.21	0.024	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.21	0.019	ug/Kg	☼	04/23/21 18:48	04/24/21 15:11	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	78		25 - 150	04/23/21 18:48	04/24/21 15:11	1
13C5 PFPeA	80		25 - 150	04/23/21 18:48	04/24/21 15:11	1
13C2 PFHxA	87		25 - 150	04/23/21 18:48	04/24/21 15:11	1
13C4 PFHpA	79		25 - 150	04/23/21 18:48	04/24/21 15:11	1
13C4 PFOA	84		25 - 150	04/23/21 18:48	04/24/21 15:11	1
13C5 PFNA	90		25 - 150	04/23/21 18:48	04/24/21 15:11	1
13C2 PFDA	88		25 - 150	04/23/21 18:48	04/24/21 15:11	1
13C2 PFUnA	93		25 - 150	04/23/21 18:48	04/24/21 15:11	1
13C2 PFDoA	84		25 - 150	04/23/21 18:48	04/24/21 15:11	1
13C2 PFTeDA	73		25 - 150	04/23/21 18:48	04/24/21 15:11	1
13C3 PFBS	75		25 - 150	04/23/21 18:48	04/24/21 15:11	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-16(0-2)

Lab Sample ID: 320-72716-21

Date Collected: 04/21/21 08:35

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 93.1

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	74		25 - 150	04/23/21 18:48	04/24/21 15:11	1
13C4 PFOS	72		25 - 150	04/23/21 18:48	04/24/21 15:11	1
13C8 FOSA	81		10 - 150	04/23/21 18:48	04/24/21 15:11	1
M2-4:2 FTS	90		25 - 150	04/23/21 18:48	04/24/21 15:11	1
M2-6:2 FTS	88		25 - 150	04/23/21 18:48	04/24/21 15:11	1
M2-8:2 FTS	103		25 - 150	04/23/21 18:48	04/24/21 15:11	1
13C2 10:2 FTS	93		25 - 150	04/23/21 18:48	04/24/21 15:11	1
13C3 HFPO-DA	77		25 - 150	04/23/21 18:48	04/24/21 15:11	1
d3-NMeFOSAA	90		25 - 150	04/23/21 18:48	04/24/21 15:11	1
d5-NEtFOSAA	88		25 - 150	04/23/21 18:48	04/24/21 15:11	1
d-N-MeFOSA-M	72		10 - 150	04/23/21 18:48	04/24/21 15:11	1
d-N-EtFOSA-M	73		10 - 150	04/23/21 18:48	04/24/21 15:11	1
d7-N-MeFOSE-M	86		10 - 150	04/23/21 18:48	04/24/21 15:11	1
d9-N-EtFOSE-M	86		10 - 150	04/23/21 18:48	04/24/21 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.9		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	93.1		0.1	0.1	%			04/23/21 10:37	1

Client Sample ID: SS-01(0-1)

Lab Sample ID: 320-72716-22

Date Collected: 04/21/21 09:15

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 94.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.19	0.027	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluoropentanoic acid (PFPeA)	0.16	J	0.19	0.075	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluorohexanoic acid (PFHxA)	0.23		0.19	0.041	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluoroheptanoic acid (PFHpA)	0.30		0.19	0.028	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluorooctanoic acid (PFOA)	0.65		0.19	0.084	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluorononanoic acid (PFNA)	0.13	J	0.19	0.035	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluorodecanoic acid (PFDA)	0.22		0.19	0.021	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluoroundecanoic acid (PFUnA)	ND		0.19	0.035	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluorododecanoic acid (PFDoA)	ND		0.19	0.065	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.19	0.050	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.19	0.052	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.19	0.024	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.19	0.019	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.19	0.030	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.19	0.034	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.49	0.19	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluorononanesulfonic acid (PFNS)	ND		0.19	0.019	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.19	0.038	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.19	0.058	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
Perfluorooctanesulfonamide (FOSA)	ND		0.19	0.080	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
NMeFOSA	ND		0.19	0.040	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1
NEtFOSA	ND		0.19	0.023	ug/Kg	✱	04/23/21 18:48	04/24/21 15:20	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SS-01(0-1)

Lab Sample ID: 320-72716-22

Date Collected: 04/21/21 09:15

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 94.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSAA	ND		1.9	0.38	ug/Kg	☼	04/23/21 18:48	04/24/21 15:20	1
NEtFOSAA	ND		1.9	0.36	ug/Kg	☼	04/23/21 18:48	04/24/21 15:20	1
NMeFOSE	ND		0.19	0.069	ug/Kg	☼	04/23/21 18:48	04/24/21 15:20	1
NEtFOSE	ND		0.19	0.035	ug/Kg	☼	04/23/21 18:48	04/24/21 15:20	1
4:2 FTS	ND		1.9	0.36	ug/Kg	☼	04/23/21 18:48	04/24/21 15:20	1
6:2 FTS	5.5		1.9	0.15	ug/Kg	☼	04/23/21 18:48	04/24/21 15:20	1
HFPO-DA (GenX)	ND		0.24	0.11	ug/Kg	☼	04/23/21 18:48	04/24/21 15:20	1
9Cl-PF3ONS	ND		0.19	0.026	ug/Kg	☼	04/23/21 18:48	04/24/21 15:20	1
11Cl-PF3OUdS	ND		0.19	0.021	ug/Kg	☼	04/23/21 18:48	04/24/21 15:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.19	0.017	ug/Kg	☼	04/23/21 18:48	04/24/21 15:20	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	81		25 - 150	04/23/21 18:48	04/24/21 15:20	1
13C5 PFPeA	86		25 - 150	04/23/21 18:48	04/24/21 15:20	1
13C2 PFHxA	87		25 - 150	04/23/21 18:48	04/24/21 15:20	1
13C4 PFHpA	92		25 - 150	04/23/21 18:48	04/24/21 15:20	1
13C4 PFOA	87		25 - 150	04/23/21 18:48	04/24/21 15:20	1
13C5 PFNA	93		25 - 150	04/23/21 18:48	04/24/21 15:20	1
13C2 PFDA	79		25 - 150	04/23/21 18:48	04/24/21 15:20	1
13C2 PFUnA	90		25 - 150	04/23/21 18:48	04/24/21 15:20	1
13C2 PFDoA	80		25 - 150	04/23/21 18:48	04/24/21 15:20	1
13C2 PFTeDA	80		25 - 150	04/23/21 18:48	04/24/21 15:20	1
13C3 PFBS	81		25 - 150	04/23/21 18:48	04/24/21 15:20	1
18O2 PFHxS	89		25 - 150	04/23/21 18:48	04/24/21 15:20	1
13C4 PFOS	85		25 - 150	04/23/21 18:48	04/24/21 15:20	1
13C8 FOSA	81		10 - 150	04/23/21 18:48	04/24/21 15:20	1
M2-4:2 FTS	82		25 - 150	04/23/21 18:48	04/24/21 15:20	1
M2-6:2 FTS	103		25 - 150	04/23/21 18:48	04/24/21 15:20	1
13C2 10:2 FTS	101		25 - 150	04/23/21 18:48	04/24/21 15:20	1
13C3 HFPO-DA	85		25 - 150	04/23/21 18:48	04/24/21 15:20	1
d3-NMeFOSAA	72		25 - 150	04/23/21 18:48	04/24/21 15:20	1
d5-NEtFOSAA	92		25 - 150	04/23/21 18:48	04/24/21 15:20	1
d-N-MeFOSA-M	86		10 - 150	04/23/21 18:48	04/24/21 15:20	1
d-N-EtFOSA-M	84		10 - 150	04/23/21 18:48	04/24/21 15:20	1
d7-N-MeFOSE-M	87		10 - 150	04/23/21 18:48	04/24/21 15:20	1
d9-N-EtFOSE-M	83		10 - 150	04/23/21 18:48	04/24/21 15:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	74		19	2.4	ug/Kg	☼	04/23/21 18:48	04/27/21 20:29	10
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-8:2 FTS	102		25 - 150	04/23/21 18:48	04/27/21 20:29	10			

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.9		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	94.1		0.1	0.1	%			04/23/21 10:37	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SS-02(0-1)

Lab Sample ID: 320-72716-23

Date Collected: 04/21/21 09:35

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 92.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.029	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.079	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.043	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.030	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.088	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.037	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.022	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.037	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.068	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.052	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.055	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.026	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.020	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.032	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.036	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.51	0.20	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.020	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.040	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.061	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.084	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
NMeFOSA	ND		0.20	0.042	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
NEtFOSA	ND		0.20	0.024	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
NMeFOSAA	ND		2.0	0.40	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
NEtFOSAA	ND		2.0	0.38	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
NMeFOSE	ND		0.20	0.072	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
NEtFOSE	ND		0.20	0.037	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
4:2 FTS	ND		2.0	0.38	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
6:2 FTS	ND		2.0	0.15	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
8:2 FTS	ND		2.0	0.26	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
HFPO-DA (GenX)	ND		0.26	0.11	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
9Cl-PF3ONS	ND		0.20	0.028	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
11Cl-PF3OUdS	ND		0.20	0.022	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.018	ug/Kg	✱	04/23/21 18:48	04/24/21 15:29	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	71		25 - 150	04/23/21 18:48	04/24/21 15:29	1
13C5 PFPeA	86		25 - 150	04/23/21 18:48	04/24/21 15:29	1
13C2 PFHxA	92		25 - 150	04/23/21 18:48	04/24/21 15:29	1
13C4 PFHpA	88		25 - 150	04/23/21 18:48	04/24/21 15:29	1
13C4 PFOA	86		25 - 150	04/23/21 18:48	04/24/21 15:29	1
13C5 PFNA	98		25 - 150	04/23/21 18:48	04/24/21 15:29	1
13C2 PFDA	79		25 - 150	04/23/21 18:48	04/24/21 15:29	1
13C2 PFUnA	96		25 - 150	04/23/21 18:48	04/24/21 15:29	1
13C2 PFDoA	84		25 - 150	04/23/21 18:48	04/24/21 15:29	1
13C2 PFTeDA	75		25 - 150	04/23/21 18:48	04/24/21 15:29	1
13C3 PFBS	78		25 - 150	04/23/21 18:48	04/24/21 15:29	1
18O2 PFHxS	81		25 - 150	04/23/21 18:48	04/24/21 15:29	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SS-02(0-1)

Lab Sample ID: 320-72716-23

Date Collected: 04/21/21 09:35

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 92.6

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	84		25 - 150	04/23/21 18:48	04/24/21 15:29	1
13C8 FOSA	90		10 - 150	04/23/21 18:48	04/24/21 15:29	1
M2-4:2 FTS	90		25 - 150	04/23/21 18:48	04/24/21 15:29	1
M2-6:2 FTS	102		25 - 150	04/23/21 18:48	04/24/21 15:29	1
M2-8:2 FTS	112		25 - 150	04/23/21 18:48	04/24/21 15:29	1
13C2 10:2 FTS	94		25 - 150	04/23/21 18:48	04/24/21 15:29	1
13C3 HFPO-DA	84		25 - 150	04/23/21 18:48	04/24/21 15:29	1
d3-NMeFOSAA	92		25 - 150	04/23/21 18:48	04/24/21 15:29	1
d5-NEtFOSAA	93		25 - 150	04/23/21 18:48	04/24/21 15:29	1
d-N-MeFOSA-M	82		10 - 150	04/23/21 18:48	04/24/21 15:29	1
d-N-EtFOSA-M	75		10 - 150	04/23/21 18:48	04/24/21 15:29	1
d7-N-MeFOSE-M	86		10 - 150	04/23/21 18:48	04/24/21 15:29	1
d9-N-EtFOSE-M	80		10 - 150	04/23/21 18:48	04/24/21 15:29	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.4		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	92.6		0.1	0.1	%			04/23/21 10:37	1

Client Sample ID: SS-03(0-1)

Lab Sample ID: 320-72716-25

Date Collected: 04/21/21 09:45

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 94.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.048	J	0.20	0.028	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluoropentanoic acid (PFPeA)	0.12	J	0.20	0.078	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluorohexanoic acid (PFHxA)	0.32		0.20	0.043	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluoroheptanoic acid (PFHpA)	0.099	J	0.20	0.029	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluorooctanoic acid (PFOA)	0.49		0.20	0.087	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluorononanoic acid (PFNA)	0.13	J	0.20	0.037	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluorodecanoic acid (PFDA)	0.60		0.20	0.022	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluoroundecanoic acid (PFUnA)	0.31		0.20	0.037	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluorododecanoic acid (PFDoA)	0.22		0.20	0.068	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.052	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluorotetradecanoic acid (PFTeA)	0.12	J	0.20	0.055	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.025	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.020	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.032	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.036	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.51	0.20	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.020	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.040	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.061	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.083	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1
NMeFOSA	ND		0.20	0.042	ug/Kg	✱	04/23/21 18:48	04/24/21 16:06	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SS-03(0-1)

Lab Sample ID: 320-72716-25

Date Collected: 04/21/21 09:45

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSA	ND		0.20	0.024	ug/Kg	☼	04/23/21 18:48	04/24/21 16:06	1
NMeFOSAA	ND		2.0	0.40	ug/Kg	☼	04/23/21 18:48	04/24/21 16:06	1
NEtFOSAA	ND		2.0	0.38	ug/Kg	☼	04/23/21 18:48	04/24/21 16:06	1
NMeFOSE	ND		0.20	0.072	ug/Kg	☼	04/23/21 18:48	04/24/21 16:06	1
NEtFOSE	ND		0.20	0.037	ug/Kg	☼	04/23/21 18:48	04/24/21 16:06	1
4:2 FTS	ND		2.0	0.38	ug/Kg	☼	04/23/21 18:48	04/24/21 16:06	1
6:2 FTS	7.2	F1	2.0	0.15	ug/Kg	☼	04/23/21 18:48	04/24/21 16:06	1
HFPO-DA (GenX)	ND		0.25	0.11	ug/Kg	☼	04/23/21 18:48	04/24/21 16:06	1
9Cl-PF3ONS	ND		0.20	0.027	ug/Kg	☼	04/23/21 18:48	04/24/21 16:06	1
11Cl-PF3OUdS	ND		0.20	0.022	ug/Kg	☼	04/23/21 18:48	04/24/21 16:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.018	ug/Kg	☼	04/23/21 18:48	04/24/21 16:06	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85		25 - 150	04/23/21 18:48	04/24/21 16:06	1
13C5 PFPeA	79		25 - 150	04/23/21 18:48	04/24/21 16:06	1
13C2 PFHxA	77		25 - 150	04/23/21 18:48	04/24/21 16:06	1
13C4 PFHpA	77		25 - 150	04/23/21 18:48	04/24/21 16:06	1
13C4 PFOA	85		25 - 150	04/23/21 18:48	04/24/21 16:06	1
13C5 PFNA	94		25 - 150	04/23/21 18:48	04/24/21 16:06	1
13C2 PFDA	64		25 - 150	04/23/21 18:48	04/24/21 16:06	1
13C2 PFUnA	86		25 - 150	04/23/21 18:48	04/24/21 16:06	1
13C2 PFDoA	79		25 - 150	04/23/21 18:48	04/24/21 16:06	1
13C2 PFTeDA	83		25 - 150	04/23/21 18:48	04/24/21 16:06	1
13C3 PFBS	75		25 - 150	04/23/21 18:48	04/24/21 16:06	1
18O2 PFHxS	71		25 - 150	04/23/21 18:48	04/24/21 16:06	1
13C4 PFOS	75		25 - 150	04/23/21 18:48	04/24/21 16:06	1
13C8 FOSA	71		10 - 150	04/23/21 18:48	04/24/21 16:06	1
M2-4:2 FTS	83		25 - 150	04/23/21 18:48	04/24/21 16:06	1
M2-6:2 FTS	93		25 - 150	04/23/21 18:48	04/24/21 16:06	1
13C2 10:2 FTS	70		25 - 150	04/23/21 18:48	04/24/21 16:06	1
13C3 HFPO-DA	83		25 - 150	04/23/21 18:48	04/24/21 16:06	1
d3-NMeFOSAA	58		25 - 150	04/23/21 18:48	04/24/21 16:06	1
d5-NEtFOSAA	75		25 - 150	04/23/21 18:48	04/24/21 16:06	1
d-N-MeFOSA-M	78		10 - 150	04/23/21 18:48	04/24/21 16:06	1
d-N-EtFOSA-M	81		10 - 150	04/23/21 18:48	04/24/21 16:06	1
d7-N-MeFOSE-M	74		10 - 150	04/23/21 18:48	04/24/21 16:06	1
d9-N-EtFOSE-M	80		10 - 150	04/23/21 18:48	04/24/21 16:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	130		41	5.1	ug/Kg	☼	04/23/21 18:48	04/27/21 20:39	20
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
M2-8:2 FTS	98		25 - 150	04/23/21 18:48	04/27/21 20:39	20			

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.0		0.1	0.1	%			04/23/21 10:37	1
Percent Solids	94.0		0.1	0.1	%			04/23/21 10:37	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: EB-01-202104

Lab Sample ID: 320-72716-26

Date Collected: 04/20/21 08:55

Matrix: Water

Date Received: 04/22/21 09:55

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.3	2.1	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.42	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.50	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.21	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.73	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.23	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.27	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.95	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.47	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.7	1.1	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.63	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.17	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.26	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.49	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.16	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.46	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.32	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.28	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.83	ng/L		04/23/21 07:43	04/24/21 10:46	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7	0.84	ng/L		04/23/21 07:43	04/24/21 10:46	1
NEtFOSA	ND		1.7	0.75	ng/L		04/23/21 07:43	04/24/21 10:46	1
NMeFOSA	ND		1.7	0.37	ng/L		04/23/21 07:43	04/24/21 10:46	1
NMeFOSAA	ND		4.3	1.0	ng/L		04/23/21 07:43	04/24/21 10:46	1
NEtFOSAA	ND		4.3	1.1	ng/L		04/23/21 07:43	04/24/21 10:46	1
NMeFOSE	ND		3.4	1.2	ng/L		04/23/21 07:43	04/24/21 10:46	1
NEtFOSE	ND		1.7	0.73	ng/L		04/23/21 07:43	04/24/21 10:46	1
4:2 FTS	ND		1.7	0.21	ng/L		04/23/21 07:43	04/24/21 10:46	1
6:2 FTS	ND		4.3	2.1	ng/L		04/23/21 07:43	04/24/21 10:46	1
8:2 FTS	ND		1.7	0.40	ng/L		04/23/21 07:43	04/24/21 10:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.34	ng/L		04/23/21 07:43	04/24/21 10:46	1
HFPO-DA (GenX)	ND		3.4	1.3	ng/L		04/23/21 07:43	04/24/21 10:46	1
9Cl-PF3ONS	ND		1.7	0.21	ng/L		04/23/21 07:43	04/24/21 10:46	1
11Cl-PF3OUdS	ND		1.7	0.28	ng/L		04/23/21 07:43	04/24/21 10:46	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150				04/23/21 07:43	04/24/21 10:46	1
13C5 PFPeA	101		25 - 150				04/23/21 07:43	04/24/21 10:46	1
13C2 PFHxA	98		25 - 150				04/23/21 07:43	04/24/21 10:46	1
13C4 PFHpA	94		25 - 150				04/23/21 07:43	04/24/21 10:46	1
13C4 PFOA	100		25 - 150				04/23/21 07:43	04/24/21 10:46	1
13C5 PFNA	107		25 - 150				04/23/21 07:43	04/24/21 10:46	1
13C2 PFDA	111		25 - 150				04/23/21 07:43	04/24/21 10:46	1
13C2 PFUnA	96		25 - 150				04/23/21 07:43	04/24/21 10:46	1
13C2 PFDoA	79		25 - 150				04/23/21 07:43	04/24/21 10:46	1
13C2 PFTeDA	91		25 - 150				04/23/21 07:43	04/24/21 10:46	1
13C3 PFBS	93		25 - 150				04/23/21 07:43	04/24/21 10:46	1
18O2 PFHxS	99		25 - 150				04/23/21 07:43	04/24/21 10:46	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: EB-01-202104

Lab Sample ID: 320-72716-26

Date Collected: 04/20/21 08:55

Matrix: Water

Date Received: 04/22/21 09:55

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOS	98		25 - 150	04/23/21 07:43	04/24/21 10:46	1
13C8 FOSA	100		10 - 150	04/23/21 07:43	04/24/21 10:46	1
d3-NMeFOSAA	99		25 - 150	04/23/21 07:43	04/24/21 10:46	1
d5-NEtFOSAA	86		25 - 150	04/23/21 07:43	04/24/21 10:46	1
d-N-MeFOSA-M	83		10 - 150	04/23/21 07:43	04/24/21 10:46	1
d-N-EtFOSA-M	85		10 - 150	04/23/21 07:43	04/24/21 10:46	1
d7-N-MeFOSE-M	101		10 - 150	04/23/21 07:43	04/24/21 10:46	1
d9-N-EtFOSE-M	89		10 - 150	04/23/21 07:43	04/24/21 10:46	1
M2-4:2 FTS	95		25 - 150	04/23/21 07:43	04/24/21 10:46	1
M2-6:2 FTS	105		25 - 150	04/23/21 07:43	04/24/21 10:46	1
M2-8:2 FTS	128		25 - 150	04/23/21 07:43	04/24/21 10:46	1
13C3 HFPO-DA	94		25 - 150	04/23/21 07:43	04/24/21 10:46	1
13C2 10:2 FTS	123		25 - 150	04/23/21 07:43	04/24/21 10:46	1

Client Sample ID: EB-02-202104

Lab Sample ID: 320-72716-27

Date Collected: 04/20/21 11:00

Matrix: Water

Date Received: 04/22/21 09:55

Method: 537 (modified) - Fluorinated Alkyl Substances

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorobutanoic acid (PFBA)	ND		4.3	2.1	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.43	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.50	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.22	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.74	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.23	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.27	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.96	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.48	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.7	1.1	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.63	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.17	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.7	0.26	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.50	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.17	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.47	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluorononanesulfonic acid (PFNS)	ND		1.7	0.32	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.28	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.7	0.84	ng/L		04/23/21 07:43	04/24/21 10:55	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7	0.85	ng/L		04/23/21 07:43	04/24/21 10:55	1
NEtFOSA	ND		1.7	0.76	ng/L		04/23/21 07:43	04/24/21 10:55	1
NMeFOSA	ND		1.7	0.37	ng/L		04/23/21 07:43	04/24/21 10:55	1
NMeFOSAA	ND		4.3	1.0	ng/L		04/23/21 07:43	04/24/21 10:55	1
NEtFOSAA	ND		4.3	1.1	ng/L		04/23/21 07:43	04/24/21 10:55	1
NMeFOSE	ND		3.5	1.2	ng/L		04/23/21 07:43	04/24/21 10:55	1
NEtFOSE	ND		1.7	0.74	ng/L		04/23/21 07:43	04/24/21 10:55	1
4:2 FTS	ND		1.7	0.21	ng/L		04/23/21 07:43	04/24/21 10:55	1
6:2 FTS	ND		4.3	2.2	ng/L		04/23/21 07:43	04/24/21 10:55	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: EB-02-202104

Lab Sample ID: 320-72716-27

Date Collected: 04/20/21 11:00

Matrix: Water

Date Received: 04/22/21 09:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	ND		1.7	0.40	ng/L		04/23/21 07:43	04/24/21 10:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.7	0.35	ng/L		04/23/21 07:43	04/24/21 10:55	1
HFPO-DA (GenX)	ND		3.5	1.3	ng/L		04/23/21 07:43	04/24/21 10:55	1
9CI-PF3ONS	ND		1.7	0.21	ng/L		04/23/21 07:43	04/24/21 10:55	1
11CI-PF3OUdS	ND		1.7	0.28	ng/L		04/23/21 07:43	04/24/21 10:55	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150				04/23/21 07:43	04/24/21 10:55	1
13C5 PFPeA	78		25 - 150				04/23/21 07:43	04/24/21 10:55	1
13C2 PFHxA	84		25 - 150				04/23/21 07:43	04/24/21 10:55	1
13C4 PFHpA	89		25 - 150				04/23/21 07:43	04/24/21 10:55	1
13C4 PFOA	86		25 - 150				04/23/21 07:43	04/24/21 10:55	1
13C5 PFNA	79		25 - 150				04/23/21 07:43	04/24/21 10:55	1
13C2 PFDA	86		25 - 150				04/23/21 07:43	04/24/21 10:55	1
13C2 PFUnA	91		25 - 150				04/23/21 07:43	04/24/21 10:55	1
13C2 PFDoA	91		25 - 150				04/23/21 07:43	04/24/21 10:55	1
13C2 PFTeDA	83		25 - 150				04/23/21 07:43	04/24/21 10:55	1
13C3 PFBS	78		25 - 150				04/23/21 07:43	04/24/21 10:55	1
18O2 PFHxS	87		25 - 150				04/23/21 07:43	04/24/21 10:55	1
13C4 PFOS	83		25 - 150				04/23/21 07:43	04/24/21 10:55	1
13C8 FOSA	88		10 - 150				04/23/21 07:43	04/24/21 10:55	1
d3-NMeFOSAA	78		25 - 150				04/23/21 07:43	04/24/21 10:55	1
d5-NEtFOSAA	89		25 - 150				04/23/21 07:43	04/24/21 10:55	1
d-N-MeFOSA-M	79		10 - 150				04/23/21 07:43	04/24/21 10:55	1
d-N-EtFOSA-M	78		10 - 150				04/23/21 07:43	04/24/21 10:55	1
d7-N-MeFOSE-M	80		10 - 150				04/23/21 07:43	04/24/21 10:55	1
d9-N-EtFOSE-M	89		10 - 150				04/23/21 07:43	04/24/21 10:55	1
M2-4:2 FTS	86		25 - 150				04/23/21 07:43	04/24/21 10:55	1
M2-6:2 FTS	95		25 - 150				04/23/21 07:43	04/24/21 10:55	1
M2-8:2 FTS	108		25 - 150				04/23/21 07:43	04/24/21 10:55	1
13C3 HFPO-DA	77		25 - 150				04/23/21 07:43	04/24/21 10:55	1
13C2 10:2 FTS	99		25 - 150				04/23/21 07:43	04/24/21 10:55	1

Client Sample ID: EB-03-202104

Lab Sample ID: 320-72716-28

Date Collected: 04/21/21 08:40

Matrix: Water

Date Received: 04/22/21 09:55

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.7	2.2	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluoropentanoic acid (PFPeA)	ND		1.9	0.46	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluorohexanoic acid (PFHxA)	0.61	J	1.9	0.54	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9	0.23	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluorooctanoic acid (PFOA)	ND		1.9	0.79	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluorononanoic acid (PFNA)	ND		1.9	0.25	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluorodecanoic acid (PFDA)	ND		1.9	0.29	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9	1.0	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluorododecanoic acid (PFDoA)	ND		1.9	0.51	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluorotridecanoic acid (PFTTrDA)	ND		1.9	1.2	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9	0.68	ng/L		04/23/21 07:43	04/24/21 11:04	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: EB-03-202104

Lab Sample ID: 320-72716-28

Date Collected: 04/21/21 08:40

Matrix: Water

Date Received: 04/22/21 09:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		1.9	0.19	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.9	0.28	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9	0.53	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9	0.18	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9	0.50	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluorononanesulfonic acid (PFNS)	ND		1.9	0.35	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.30	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.9	0.90	ng/L		04/23/21 07:43	04/24/21 11:04	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9	0.91	ng/L		04/23/21 07:43	04/24/21 11:04	1
NEtFOSA	ND		1.9	0.81	ng/L		04/23/21 07:43	04/24/21 11:04	1
NMeFOSA	ND		1.9	0.40	ng/L		04/23/21 07:43	04/24/21 11:04	1
NMeFOSAA	ND		4.7	1.1	ng/L		04/23/21 07:43	04/24/21 11:04	1
NEtFOSAA	ND		4.7	1.2	ng/L		04/23/21 07:43	04/24/21 11:04	1
NMeFOSE	ND		3.7	1.3	ng/L		04/23/21 07:43	04/24/21 11:04	1
NEtFOSE	ND		1.9	0.79	ng/L		04/23/21 07:43	04/24/21 11:04	1
4:2 FTS	ND		1.9	0.22	ng/L		04/23/21 07:43	04/24/21 11:04	1
6:2 FTS	ND		4.7	2.3	ng/L		04/23/21 07:43	04/24/21 11:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.9	0.37	ng/L		04/23/21 07:43	04/24/21 11:04	1
HFPO-DA (GenX)	ND		3.7	1.4	ng/L		04/23/21 07:43	04/24/21 11:04	1
9CI-PF3ONS	ND		1.9	0.22	ng/L		04/23/21 07:43	04/24/21 11:04	1
11CI-PF3OUdS	ND		1.9	0.30	ng/L		04/23/21 07:43	04/24/21 11:04	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150	04/23/21 07:43	04/24/21 11:04	1
13C5 PFPeA	97		25 - 150	04/23/21 07:43	04/24/21 11:04	1
13C2 PFHxA	95		25 - 150	04/23/21 07:43	04/24/21 11:04	1
13C4 PFHpA	99		25 - 150	04/23/21 07:43	04/24/21 11:04	1
13C4 PFOA	99		25 - 150	04/23/21 07:43	04/24/21 11:04	1
13C5 PFNA	99		25 - 150	04/23/21 07:43	04/24/21 11:04	1
13C2 PFDA	89		25 - 150	04/23/21 07:43	04/24/21 11:04	1
13C2 PFUnA	104		25 - 150	04/23/21 07:43	04/24/21 11:04	1
13C2 PFDoA	88		25 - 150	04/23/21 07:43	04/24/21 11:04	1
13C2 PFTeDA	97		25 - 150	04/23/21 07:43	04/24/21 11:04	1
13C3 PFBS	89		25 - 150	04/23/21 07:43	04/24/21 11:04	1
18O2 PFHxS	91		25 - 150	04/23/21 07:43	04/24/21 11:04	1
13C4 PFOS	92		25 - 150	04/23/21 07:43	04/24/21 11:04	1
13C8 FOSA	101		10 - 150	04/23/21 07:43	04/24/21 11:04	1
d3-NMeFOSAA	99		25 - 150	04/23/21 07:43	04/24/21 11:04	1
d5-NEtFOSAA	99		25 - 150	04/23/21 07:43	04/24/21 11:04	1
d-N-MeFOSA-M	87		10 - 150	04/23/21 07:43	04/24/21 11:04	1
d-N-EtFOSA-M	93		10 - 150	04/23/21 07:43	04/24/21 11:04	1
d7-N-MeFOSE-M	98		10 - 150	04/23/21 07:43	04/24/21 11:04	1
d9-N-EtFOSE-M	90		10 - 150	04/23/21 07:43	04/24/21 11:04	1
M2-4:2 FTS	96		25 - 150	04/23/21 07:43	04/24/21 11:04	1
M2-6:2 FTS	103		25 - 150	04/23/21 07:43	04/24/21 11:04	1
13C3 HFPO-DA	85		25 - 150	04/23/21 07:43	04/24/21 11:04	1
13C2 10:2 FTS	120		25 - 150	04/23/21 07:43	04/24/21 11:04	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: EB-03-202104

Lab Sample ID: 320-72716-28

Date Collected: 04/21/21 08:40

Matrix: Water

Date Received: 04/22/21 09:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
8:2 FTS	ND		1.9	0.43	ng/L		04/23/21 07:43	04/28/21 06:56	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-8:2 FTS	128		25 - 150				04/23/21 07:43	04/28/21 06:56	1

Client Sample ID: FB-01-202104

Lab Sample ID: 320-72716-29

Date Collected: 04/21/21 17:30

Matrix: Water

Date Received: 04/22/21 09:55

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.4	2.1	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.43	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.51	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.22	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.75	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.24	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.27	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.97	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.49	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluorotridecanoic acid (PFTrDA)	ND		1.8	1.1	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.64	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.18	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluoropentanesulfonic acid (PFPeS)	ND		1.8	0.26	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.50	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.17	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.48	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluorononanesulfonic acid (PFNS)	ND		1.8	0.33	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.28	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluorododecanesulfonic acid (PFDoS)	ND		1.8	0.86	ng/L		04/23/21 07:43	04/24/21 11:13	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8	0.87	ng/L		04/23/21 07:43	04/24/21 11:13	1
NEtFOSA	ND		1.8	0.77	ng/L		04/23/21 07:43	04/24/21 11:13	1
NMeFOSA	ND		1.8	0.38	ng/L		04/23/21 07:43	04/24/21 11:13	1
NMeFOSAA	ND		4.4	1.1	ng/L		04/23/21 07:43	04/24/21 11:13	1
NEtFOSAA	ND		4.4	1.1	ng/L		04/23/21 07:43	04/24/21 11:13	1
NMeFOSE	ND		3.5	1.2	ng/L		04/23/21 07:43	04/24/21 11:13	1
NEtFOSE	ND		1.8	0.75	ng/L		04/23/21 07:43	04/24/21 11:13	1
4:2 FTS	ND		1.8	0.21	ng/L		04/23/21 07:43	04/24/21 11:13	1
6:2 FTS	ND		4.4	2.2	ng/L		04/23/21 07:43	04/24/21 11:13	1
8:2 FTS	ND		1.8	0.41	ng/L		04/23/21 07:43	04/24/21 11:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.8	0.35	ng/L		04/23/21 07:43	04/24/21 11:13	1
HFPO-DA (GenX)	ND		3.5	1.3	ng/L		04/23/21 07:43	04/24/21 11:13	1
9Cl-PF3ONS	ND		1.8	0.21	ng/L		04/23/21 07:43	04/24/21 11:13	1
11Cl-PF3OUdS	ND		1.8	0.28	ng/L		04/23/21 07:43	04/24/21 11:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150				04/23/21 07:43	04/24/21 11:13	1
13C5 PFPeA	97		25 - 150				04/23/21 07:43	04/24/21 11:13	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: FB-01-202104

Lab Sample ID: 320-72716-29

Date Collected: 04/21/21 17:30

Matrix: Water

Date Received: 04/22/21 09:55

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFHxA	93		25 - 150	04/23/21 07:43	04/24/21 11:13	1
13C4 PFHpA	108		25 - 150	04/23/21 07:43	04/24/21 11:13	1
13C4 PFOA	97		25 - 150	04/23/21 07:43	04/24/21 11:13	1
13C5 PFNA	100		25 - 150	04/23/21 07:43	04/24/21 11:13	1
13C2 PFDA	104		25 - 150	04/23/21 07:43	04/24/21 11:13	1
13C2 PFUnA	99		25 - 150	04/23/21 07:43	04/24/21 11:13	1
13C2 PFDoA	109		25 - 150	04/23/21 07:43	04/24/21 11:13	1
13C2 PFTeDA	98		25 - 150	04/23/21 07:43	04/24/21 11:13	1
13C3 PFBS	95		25 - 150	04/23/21 07:43	04/24/21 11:13	1
18O2 PFHxS	112		25 - 150	04/23/21 07:43	04/24/21 11:13	1
13C4 PFOS	99		25 - 150	04/23/21 07:43	04/24/21 11:13	1
13C8 FOSA	103		10 - 150	04/23/21 07:43	04/24/21 11:13	1
d3-NMeFOSAA	99		25 - 150	04/23/21 07:43	04/24/21 11:13	1
d5-NEtFOSAA	98		25 - 150	04/23/21 07:43	04/24/21 11:13	1
d-N-MeFOSA-M	92		10 - 150	04/23/21 07:43	04/24/21 11:13	1
d-N-EtFOSA-M	91		10 - 150	04/23/21 07:43	04/24/21 11:13	1
d7-N-MeFOSE-M	85		10 - 150	04/23/21 07:43	04/24/21 11:13	1
d9-N-EtFOSE-M	86		10 - 150	04/23/21 07:43	04/24/21 11:13	1
M2-4:2 FTS	104		25 - 150	04/23/21 07:43	04/24/21 11:13	1
M2-6:2 FTS	109		25 - 150	04/23/21 07:43	04/24/21 11:13	1
M2-8:2 FTS	103		25 - 150	04/23/21 07:43	04/24/21 11:13	1
13C3 HFPO-DA	94		25 - 150	04/23/21 07:43	04/24/21 11:13	1
13C2 10:2 FTS	113		25 - 150	04/23/21 07:43	04/24/21 11:13	1

Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

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)
320-72716-1	SB-01(0-2)	81	84	85	87	84	91	79	100
320-72716-1 - DL	SB-01(0-2)								
320-72716-2	SB-02(0-2)	77	72	77	81	86	90	68	91
320-72716-2 - DL	SB-02(0-2)								
320-72716-3	SB-03(0-2)	78	78	82	82	82	80	77	87
320-72716-4	SB-04(0-2)	75	80	82	86	77	88	80	98
320-72716-4 - DL	SB-04(0-2)								
320-72716-5	SB-05(0-2)	79	80	81	85	86	85	81	85
320-72716-7	SB-06(0-1.5)	72	76	73	84	78	77	71	87
320-72716-8	SB-07(0-2)	64	63	68	72	72	77	65	70
320-72716-9	SB-08(0-2)	69	74	75	83	77	81	95	83
320-72716-10	SB-09(0-2)	72	77	75	71	81	81	81	77
320-72716-11	SB-10(2-4)	76	76	79	82	82	78	74	80
320-72716-11 - DL	SB-10(2-4)								
320-72716-13	SB-11(2-4)	76	77	79	83	77	80	80	79
320-72716-15	SB-12(2-4)	70	69	74	77	82	81	81	89
320-72716-17	SB-13(2.25-4)	80	81	89	90	98	92	85	101
320-72716-19	SB-14(0-4)	75	79	78	86	82	79	78	78
320-72716-20	SB-15(0-2)	71	77	76	76	77	78	75	76
320-72716-21	SB-16(0-2)	78	80	87	79	84	90	88	93
320-72716-22	SS-01(0-1)	81	86	87	92	87	93	79	90
320-72716-22 - DL	SS-01(0-1)								
320-72716-23	SS-02(0-1)	71	86	92	88	86	98	79	96
320-72716-25	SS-03(0-1)	85	79	77	77	85	94	64	86
320-72716-25 - DL	SS-03(0-1)								
320-72716-25 MS	SS-03(0-1)	82	84	81	97	84	91	66	88
320-72716-25 MS - DL	SS-03(0-1)								
320-72716-25 MSD	SS-03(0-1)	71	73	73	73	88	83	63	69
320-72716-25 MSD - DL	SS-03(0-1)								
LCS 320-482624/2-A	Lab Control Sample	86	90	84	93	83	89	90	89
MB 320-482624/1-A	Method Blank	77	83	83	86	85	94	77	84

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)	M242FTS (25-150)	M262FTS (25-150)
320-72716-1	SB-01(0-2)	85	71	78	81	87	91	105	117
320-72716-1 - DL	SB-01(0-2)								
320-72716-2	SB-02(0-2)	70	71	73	78	73	80	83	97
320-72716-2 - DL	SB-02(0-2)								
320-72716-3	SB-03(0-2)	76	76	77	75	77	87	74	87
320-72716-4	SB-04(0-2)	82	79	80	89	86	81	84	98
320-72716-4 - DL	SB-04(0-2)								
320-72716-5	SB-05(0-2)	80	73	75	79	80	85	78	84
320-72716-7	SB-06(0-1.5)	83	68	73	79	72	83	80	88
320-72716-8	SB-07(0-2)	64	67	64	74	62	73	66	89
320-72716-9	SB-08(0-2)	67	73	68	75	71	81	73	89
320-72716-10	SB-09(0-2)	73	67	66	70	70	79	75	97
320-72716-11	SB-10(2-4)	81	73	77	70	76	77	75	83
320-72716-11 - DL	SB-10(2-4)								
320-72716-13	SB-11(2-4)	88	75	69	80	79	82	67	91

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Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

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

Matrix: Solid

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)	M242FTS (25-150)	M262FTS (25-150)
320-72716-15	SB-12(2-4)	74	73	71	74	74	80	73	95
320-72716-17	SB-13(2.25-4)	92	91	81	89	86	105	95	114
320-72716-19	SB-14(0-4)	78	69	76	76	74	87	76	90
320-72716-20	SB-15(0-2)	73	67	73	72	65	81	72	92
320-72716-21	SB-16(0-2)	84	73	75	74	72	81	90	88
320-72716-22	SS-01(0-1)	80	80	81	89	85	81	82	103
320-72716-22 - DL	SS-01(0-1)								
320-72716-23	SS-02(0-1)	84	75	78	81	84	90	90	102
320-72716-25	SS-03(0-1)	79	83	75	71	75	71	83	93
320-72716-25 - DL	SS-03(0-1)								
320-72716-25 MS	SS-03(0-1)	85	75	78	79	82	75	82	94
320-72716-25 MS - DL	SS-03(0-1)								
320-72716-25 MSD	SS-03(0-1)	68	67	71	70	71	69	72	83
320-72716-25 MSD - DL	SS-03(0-1)								
LCS 320-482624/2-A	Lab Control Sample	75	82	85	83	82	94	93	109
MB 320-482624/1-A	Method Blank	78	74	78	80	80	86	80	95

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M282FTS (25-150)	M102FTS (25-150)	HFPODA (25-150)	d3NMFOS (25-150)	d5NEFOS (25-150)	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)
320-72716-1	SB-01(0-2)		90	86	74	90	86	89	85
320-72716-1 - DL	SB-01(0-2)	84							
320-72716-2	SB-02(0-2)		87	76	65	79	75	74	77
320-72716-2 - DL	SB-02(0-2)	77							
320-72716-3	SB-03(0-2)	103	91	74	78	87	72	79	84
320-72716-4	SB-04(0-2)		86	78	77	90	81	75	79
320-72716-4 - DL	SB-04(0-2)	82							
320-72716-5	SB-05(0-2)	98	87	77	75	82	86	78	78
320-72716-7	SB-06(0-1.5)	106	85	76	70	80	73	81	81
320-72716-8	SB-07(0-2)	95	78	63	62	69	69	67	80
320-72716-9	SB-08(0-2)	104	82	73	74	77	73	78	89
320-72716-10	SB-09(0-2)	104	82	73	67	69	72	73	84
320-72716-11	SB-10(2-4)		67	79	68	75	76	80	69
320-72716-11 - DL	SB-10(2-4)	75							
320-72716-13	SB-11(2-4)	108	95	77	73	71	73	77	75
320-72716-15	SB-12(2-4)	93	83	69	79	78	73	73	86
320-72716-17	SB-13(2.25-4)	108	111	88	81	92	90	89	90
320-72716-19	SB-14(0-4)	92	83	80	77	79	79	75	74
320-72716-20	SB-15(0-2)	100	89	75	77	77	69	72	80
320-72716-21	SB-16(0-2)	103	93	77	90	88	72	73	86
320-72716-22	SS-01(0-1)		101	85	72	92	86	84	87
320-72716-22 - DL	SS-01(0-1)	102							
320-72716-23	SS-02(0-1)	112	94	84	92	93	82	75	86
320-72716-25	SS-03(0-1)		70	83	58	75	78	81	74
320-72716-25 - DL	SS-03(0-1)	98							
320-72716-25 MS	SS-03(0-1)		69	90	70	79	77	77	96
320-72716-25 MS - DL	SS-03(0-1)	101							
320-72716-25 MSD	SS-03(0-1)		57	74	55	72	72	68	90
320-72716-25 MSD - DL	SS-03(0-1)	87							
LCS 320-482624/2-A	Lab Control Sample	103	86	83	89	87	83	81	88
MB 320-482624/1-A	Method Blank	112	91	84	80	91	79	74	80

Eurofins TestAmerica, Sacramento

Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	NEFM (10-150)
320-72716-1	SB-01(0-2)	89
320-72716-1 - DL	SB-01(0-2)	
320-72716-2	SB-02(0-2)	78
320-72716-2 - DL	SB-02(0-2)	
320-72716-3	SB-03(0-2)	81
320-72716-4	SB-04(0-2)	75
320-72716-4 - DL	SB-04(0-2)	
320-72716-5	SB-05(0-2)	71
320-72716-7	SB-06(0-1.5)	79
320-72716-8	SB-07(0-2)	70
320-72716-9	SB-08(0-2)	77
320-72716-10	SB-09(0-2)	77
320-72716-11	SB-10(2-4)	66
320-72716-11 - DL	SB-10(2-4)	
320-72716-13	SB-11(2-4)	79
320-72716-15	SB-12(2-4)	83
320-72716-17	SB-13(2.25-4)	83
320-72716-19	SB-14(0-4)	79
320-72716-20	SB-15(0-2)	76
320-72716-21	SB-16(0-2)	86
320-72716-22	SS-01(0-1)	83
320-72716-22 - DL	SS-01(0-1)	
320-72716-23	SS-02(0-1)	80
320-72716-25	SS-03(0-1)	80
320-72716-25 - DL	SS-03(0-1)	
320-72716-25 MS	SS-03(0-1)	85
320-72716-25 MS - DL	SS-03(0-1)	
320-72716-25 MSD	SS-03(0-1)	77
320-72716-25 MSD - DL	SS-03(0-1)	
LCS 320-482624/2-A	Lab Control Sample	90
MB 320-482624/1-A	Method Blank	82

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
- PFDaA = 13C2 PFDaA
- PFTDA = 13C2 PFTeDA
- C3PFBS = 13C3 PFBS
- PFHxS = 18O2 PFHxS
- PFOS = 13C4 PFOS
- PFOSA = 13C8 FOSA
- M242FTS = M2-4:2 FTS
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS

Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

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

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)
320-72716-26	EB-01-202104	91	101	98	94	100	107	111	96
320-72716-27	EB-02-202104	84	78	84	89	86	79	86	91
320-72716-28	EB-03-202104	100	97	95	99	99	99	89	104
320-72716-28 - RA	EB-03-202104								
320-72716-29	FB-01-202104	100	97	93	108	97	100	104	99
LCS 320-482355/2-A	Lab Control Sample	86	91	88	102	94	101	90	96
LCSD 320-482355/3-A	Lab Control Sample Dup	96	92	90	96	101	97	94	94
MB 320-482355/1-A	Method Blank	98	98	107	103	100	105	96	98
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDaA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-72716-26	EB-01-202104	79	91	93	99	98	100	99	86
320-72716-27	EB-02-202104	91	83	78	87	83	88	78	89
320-72716-28	EB-03-202104	88	97	89	91	92	101	99	99
320-72716-28 - RA	EB-03-202104								
320-72716-29	FB-01-202104	109	98	95	112	99	103	99	98
LCS 320-482355/2-A	Lab Control Sample	90	78	83	88	89	95	98	90
LCSD 320-482355/3-A	Lab Control Sample Dup	97	85	84	96	88	87	85	90
MB 320-482355/1-A	Method Blank	99	94	93	102	93	97	113	105
		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)
320-72716-26	EB-01-202104	83	85	101	89	95	105	128	94
320-72716-27	EB-02-202104	79	78	80	89	86	95	108	77
320-72716-28	EB-03-202104	87	93	98	90	96	103		85
320-72716-28 - RA	EB-03-202104							128	
320-72716-29	FB-01-202104	92	91	85	86	104	109	103	94
LCS 320-482355/2-A	Lab Control Sample	78	77	87	92	97	106	104	91
LCSD 320-482355/3-A	Lab Control Sample Dup	82	76	88	87	92	106	84	92
MB 320-482355/1-A	Method Blank	88	81	104	96	104	111	120	93
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M102FTS (25-150)							
320-72716-26	EB-01-202104	123							
320-72716-27	EB-02-202104	99							
320-72716-28	EB-03-202104	120							
320-72716-28 - RA	EB-03-202104								
320-72716-29	FB-01-202104	113							
LCS 320-482355/2-A	Lab Control Sample	99							
LCSD 320-482355/3-A	Lab Control Sample Dup	92							
MB 320-482355/1-A	Method Blank	108							

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Surrogate Legend

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

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-482355/1-A
Matrix: Water
Analysis Batch: 483134

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 482355

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	ND		5.0	2.4	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.25	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.85	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.27	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluorotridecanoic acid (PFTrDA)	ND		2.0	1.3	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.73	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluoropentanesulfonic acid (PFPeS)	ND		2.0	0.30	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.57	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.54	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluorononanesulfonic acid (PFNS)	ND		2.0	0.37	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluorododecanesulfonic acid (PFDoS)	ND		2.0	0.97	ng/L		04/23/21 04:59	04/24/21 10:00	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0	0.98	ng/L		04/23/21 04:59	04/24/21 10:00	1
NEtFOSA	ND		2.0	0.87	ng/L		04/23/21 04:59	04/24/21 10:00	1
NMeFOSA	ND		2.0	0.43	ng/L		04/23/21 04:59	04/24/21 10:00	1
NMeFOSAA	ND		5.0	1.2	ng/L		04/23/21 04:59	04/24/21 10:00	1
NEtFOSAA	ND		5.0	1.3	ng/L		04/23/21 04:59	04/24/21 10:00	1
NMeFOSE	ND		4.0	1.4	ng/L		04/23/21 04:59	04/24/21 10:00	1
NEtFOSE	ND		2.0	0.85	ng/L		04/23/21 04:59	04/24/21 10:00	1
4:2 FTS	ND		2.0	0.24	ng/L		04/23/21 04:59	04/24/21 10:00	1
6:2 FTS	ND		5.0	2.5	ng/L		04/23/21 04:59	04/24/21 10:00	1
8:2 FTS	ND		2.0	0.46	ng/L		04/23/21 04:59	04/24/21 10:00	1
HFPO-DA (GenX)	ND		4.0	1.5	ng/L		04/23/21 04:59	04/24/21 10:00	1
9Cl-PF3ONS	ND		2.0	0.24	ng/L		04/23/21 04:59	04/24/21 10:00	1
11Cl-PF3OUdS	ND		2.0	0.32	ng/L		04/23/21 04:59	04/24/21 10:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.0	0.40	ng/L		04/23/21 04:59	04/24/21 10:00	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	98		25 - 150	04/23/21 04:59	04/24/21 10:00	1
13C5 PFPeA	98		25 - 150	04/23/21 04:59	04/24/21 10:00	1
13C2 PFHxA	107		25 - 150	04/23/21 04:59	04/24/21 10:00	1
13C4 PFHpA	103		25 - 150	04/23/21 04:59	04/24/21 10:00	1
13C4 PFOA	100		25 - 150	04/23/21 04:59	04/24/21 10:00	1
13C5 PFNA	105		25 - 150	04/23/21 04:59	04/24/21 10:00	1
13C2 PFDA	96		25 - 150	04/23/21 04:59	04/24/21 10:00	1
13C2 PFUnA	98		25 - 150	04/23/21 04:59	04/24/21 10:00	1
13C2 PFDoA	99		25 - 150	04/23/21 04:59	04/24/21 10:00	1
13C2 PFTeDA	94		25 - 150	04/23/21 04:59	04/24/21 10:00	1

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

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

Lab Sample ID: MB 320-482355/1-A
Matrix: Water
Analysis Batch: 483134

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 482355

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	93		25 - 150	04/23/21 04:59	04/24/21 10:00	1
18O2 PFHxS	102		25 - 150	04/23/21 04:59	04/24/21 10:00	1
13C4 PFOS	93		25 - 150	04/23/21 04:59	04/24/21 10:00	1
13C8 FOSA	97		10 - 150	04/23/21 04:59	04/24/21 10:00	1
d3-NMeFOSAA	113		25 - 150	04/23/21 04:59	04/24/21 10:00	1
d5-NEtFOSAA	105		25 - 150	04/23/21 04:59	04/24/21 10:00	1
M2-4:2 FTS	104		25 - 150	04/23/21 04:59	04/24/21 10:00	1
d-N-MeFOSA-M	88		10 - 150	04/23/21 04:59	04/24/21 10:00	1
M2-6:2 FTS	111		25 - 150	04/23/21 04:59	04/24/21 10:00	1
d-N-EtFOSA-M	81		10 - 150	04/23/21 04:59	04/24/21 10:00	1
M2-8:2 FTS	120		25 - 150	04/23/21 04:59	04/24/21 10:00	1
13C3 HFPO-DA	93		25 - 150	04/23/21 04:59	04/24/21 10:00	1
d7-N-MeFOSE-M	104		10 - 150	04/23/21 04:59	04/24/21 10:00	1
13C2 10:2 FTS	108		25 - 150	04/23/21 04:59	04/24/21 10:00	1
d9-N-EtFOSE-M	96		10 - 150	04/23/21 04:59	04/24/21 10:00	1

Lab Sample ID: LCS 320-482355/2-A
Matrix: Water
Analysis Batch: 483134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 482355

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoropentanoic acid (PFPeA)	40.0	38.9		ng/L		97	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	38.5		ng/L		96	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	38.7		ng/L		97	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	41.4		ng/L		104	60 - 135
Perfluorononanoic acid (PFNA)	40.0	37.5		ng/L		94	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	43.7		ng/L		109	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	37.1		ng/L		93	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	41.4		ng/L		103	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	33.2		ng/L		83	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	43.2		ng/L		108	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	36.2		ng/L		102	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	39.8		ng/L		106	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	36.5		ng/L		100	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	37.6		ng/L		99	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	34.6		ng/L		93	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	34.5		ng/L		90	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	33.3		ng/L		86	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	36.6		ng/L		95	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

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

Lab Sample ID: LCS 320-482355/2-A
Matrix: Water
Analysis Batch: 483134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 482355

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanesulfonamide (FOSA)	40.0	38.6		ng/L		97	60 - 135
NEtFOSA	40.0	41.2		ng/L		103	60 - 135
NMeFOSA	40.0	36.2		ng/L		90	60 - 135
NMeFOSAA	40.0	37.8		ng/L		94	60 - 135
NEtFOSAA	40.0	42.6		ng/L		107	60 - 135
NMeFOSE	40.0	43.6		ng/L		109	60 - 135
NEtFOSE	40.0	41.3		ng/L		103	60 - 135
4:2 FTS	37.4	35.9		ng/L		96	60 - 135
6:2 FTS	37.9	39.7		ng/L		105	60 - 135
8:2 FTS	38.3	41.4		ng/L		108	60 - 135
HFPO-DA (GenX)	40.0	36.7		ng/L		92	60 - 135
9Cl-PF3ONS	37.3	35.3		ng/L		95	60 - 135
11Cl-PF3OUdS	37.7	35.5		ng/L		94	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	37.8		ng/L		100	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	86		25 - 150
13C5 PFPeA	91		25 - 150
13C2 PFHxA	88		25 - 150
13C4 PFHpA	102		25 - 150
13C4 PFOA	94		25 - 150
13C5 PFNA	101		25 - 150
13C2 PFDA	90		25 - 150
13C2 PFUnA	96		25 - 150
13C2 PFDoA	90		25 - 150
13C2 PFTeDA	78		25 - 150
13C3 PFBS	83		25 - 150
18O2 PFHxS	88		25 - 150
13C4 PFOS	89		25 - 150
13C8 FOSA	95		10 - 150
d3-NMeFOSAA	98		25 - 150
d5-NEtFOSAA	90		25 - 150
M2-4:2 FTS	97		25 - 150
d-N-MeFOSA-M	78		10 - 150
M2-6:2 FTS	106		25 - 150
d-N-EtFOSA-M	77		10 - 150
M2-8:2 FTS	104		25 - 150
13C3 HFPO-DA	91		25 - 150
d7-N-MeFOSE-M	87		10 - 150
13C2 10:2 FTS	99		25 - 150
d9-N-EtFOSE-M	92		10 - 150

QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

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

Lab Sample ID: LCSD 320-482355/3-A

Matrix: Water

Analysis Batch: 483134

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 482355

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	37.3		ng/L		93	60 - 135	5	30
Perfluoropentanoic acid (PFPeA)	40.0	40.9		ng/L		102	60 - 135	5	30
Perfluorohexanoic acid (PFHxA)	40.0	38.8		ng/L		97	60 - 135	1	30
Perfluoroheptanoic acid (PFHpA)	40.0	41.6		ng/L		104	60 - 135	7	30
Perfluorooctanoic acid (PFOA)	40.0	40.8		ng/L		102	60 - 135	1	30
Perfluorononanoic acid (PFNA)	40.0	39.4		ng/L		98	60 - 135	5	30
Perfluorodecanoic acid (PFDA)	40.0	37.4		ng/L		93	60 - 135	16	30
Perfluoroundecanoic acid (PFUnA)	40.0	43.5		ng/L		109	60 - 135	16	30
Perfluorododecanoic acid (PFDoA)	40.0	42.2		ng/L		106	60 - 135	2	30
Perfluorotridecanoic acid (PFTTrDA)	40.0	35.7		ng/L		89	60 - 135	7	30
Perfluorotetradecanoic acid (PFTeA)	40.0	46.5		ng/L		116	60 - 135	7	30
Perfluorobutanesulfonic acid (PFBS)	35.4	36.8		ng/L		104	60 - 135	2	30
Perfluoropentanesulfonic acid (PFPeS)	37.5	42.8		ng/L		114	60 - 135	7	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.2		ng/L		94	60 - 135	6	30
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	36.3		ng/L		95	60 - 135	3	30
Perfluorooctanesulfonic acid (PFOS)	37.1	34.5		ng/L		93	60 - 135	0	30
Perfluorononanesulfonic acid (PFNS)	38.4	35.4		ng/L		92	60 - 135	3	30
Perfluorodecanesulfonic acid (PFDS)	38.6	37.6		ng/L		98	60 - 135	12	30
Perfluorododecanesulfonic acid (PFDoS)	38.7	39.5		ng/L		102	60 - 135	8	30
Perfluorooctanesulfonamide (FOSA)	40.0	40.0		ng/L		100	60 - 135	3	30
NEtFOSA	40.0	40.0		ng/L		100	60 - 135	3	30
NMeFOSA	40.0	35.4		ng/L		89	60 - 135	2	30
NMeFOSAA	40.0	38.8		ng/L		97	60 - 135	3	30
NEtFOSAA	40.0	42.9		ng/L		107	60 - 135	1	30
NMeFOSE	40.0	37.8		ng/L		95	60 - 135	14	30
NEtFOSE	40.0	38.5		ng/L		96	60 - 135	7	30
4:2 FTS	37.4	36.2		ng/L		97	60 - 135	1	30
6:2 FTS	37.9	34.9		ng/L		92	60 - 135	13	30
8:2 FTS	38.3	43.3		ng/L		113	60 - 135	4	30
HFPO-DA (GenX)	40.0	38.3		ng/L		96	60 - 135	4	30
9Cl-PF3ONS	37.3	39.3		ng/L		105	60 - 135	11	30
11Cl-PF3OUdS	37.7	40.4		ng/L		107	60 - 135	13	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	42.4		ng/L		113	60 - 135	12	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	96		25 - 150
13C5 PFPeA	92		25 - 150
13C2 PFHxA	90		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

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

Lab Sample ID: LCSD 320-482355/3-A
Matrix: Water
Analysis Batch: 483134

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 482355

<i>Isotope Dilution</i>	<i>LCSD LCSD</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C4 PFHpA	96		25 - 150
13C4 PFOA	101		25 - 150
13C5 PFNA	97		25 - 150
13C2 PFDA	94		25 - 150
13C2 PFUnA	94		25 - 150
13C2 PFDoA	97		25 - 150
13C2 PFTeDA	85		25 - 150
13C3 PFBS	84		25 - 150
18O2 PFHxS	96		25 - 150
13C4 PFOS	88		25 - 150
13C8 FOSA	87		10 - 150
d3-NMeFOSAA	85		25 - 150
d5-NEtFOSAA	90		25 - 150
M2-4:2 FTS	92		25 - 150
d-N-MeFOSA-M	82		10 - 150
M2-6:2 FTS	106		25 - 150
d-N-EtFOSA-M	76		10 - 150
M2-8:2 FTS	84		25 - 150
13C3 HFPO-DA	92		25 - 150
d7-N-MeFOSE-M	88		10 - 150
13C2 10:2 FTS	92		25 - 150
d9-N-EtFOSE-M	87		10 - 150

Lab Sample ID: MB 320-482624/1-A
Matrix: Solid
Analysis Batch: 483140

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 482624

<i>Analyte</i>	<i>MB MB</i>		<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	<i>Result</i>	<i>Qualifier</i>							
Perfluorobutanoic acid (PFBA)	ND		0.20	0.028	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.077	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.042	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.029	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.086	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.036	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.022	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.036	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.067	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.20	0.051	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.054	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.025	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.020	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.031	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.035	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.50	0.20	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.020	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.039	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ug/Kg		04/23/21 18:48	04/24/21 12:08	1

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

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

Lab Sample ID: MB 320-482624/1-A
Matrix: Solid
Analysis Batch: 483140

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 482624

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.082	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
NEtFOSA	ND		0.20	0.024	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
NMeFOSA	ND		0.20	0.041	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
NMeFOSAA	ND		2.0	0.39	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
NEtFOSAA	ND		2.0	0.37	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
NMeFOSE	ND		0.20	0.071	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
NEtFOSE	ND		0.20	0.036	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
4:2 FTS	ND		2.0	0.37	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
6:2 FTS	ND		2.0	0.15	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
8:2 FTS	ND		2.0	0.25	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
HFPO-DA (GenX)	ND		0.25	0.11	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
9Cl-PF3ONS	ND		0.20	0.027	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
11Cl-PF3OUdS	ND		0.20	0.022	ug/Kg		04/23/21 18:48	04/24/21 12:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.018	ug/Kg		04/23/21 18:48	04/24/21 12:08	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	77		25 - 150	04/23/21 18:48	04/24/21 12:08	1
13C5 PFPeA	83		25 - 150	04/23/21 18:48	04/24/21 12:08	1
13C2 PFHxA	83		25 - 150	04/23/21 18:48	04/24/21 12:08	1
13C4 PFHpA	86		25 - 150	04/23/21 18:48	04/24/21 12:08	1
13C4 PFOA	85		25 - 150	04/23/21 18:48	04/24/21 12:08	1
13C5 PFNA	94		25 - 150	04/23/21 18:48	04/24/21 12:08	1
13C2 PFDA	77		25 - 150	04/23/21 18:48	04/24/21 12:08	1
13C2 PFUnA	84		25 - 150	04/23/21 18:48	04/24/21 12:08	1
13C2 PFDoA	78		25 - 150	04/23/21 18:48	04/24/21 12:08	1
13C2 PFTeDA	74		25 - 150	04/23/21 18:48	04/24/21 12:08	1
13C3 PFBS	78		25 - 150	04/23/21 18:48	04/24/21 12:08	1
18O2 PFHxS	80		25 - 150	04/23/21 18:48	04/24/21 12:08	1
13C4 PFOS	80		25 - 150	04/23/21 18:48	04/24/21 12:08	1
13C8 FOSA	86		10 - 150	04/23/21 18:48	04/24/21 12:08	1
d3-NMeFOSAA	80		25 - 150	04/23/21 18:48	04/24/21 12:08	1
d5-NEtFOSAA	91		25 - 150	04/23/21 18:48	04/24/21 12:08	1
M2-4:2 FTS	80		25 - 150	04/23/21 18:48	04/24/21 12:08	1
d-N-MeFOSA-M	79		10 - 150	04/23/21 18:48	04/24/21 12:08	1
M2-6:2 FTS	95		25 - 150	04/23/21 18:48	04/24/21 12:08	1
d-N-EtFOSA-M	74		10 - 150	04/23/21 18:48	04/24/21 12:08	1
M2-8:2 FTS	112		25 - 150	04/23/21 18:48	04/24/21 12:08	1
13C3 HFPO-DA	84		25 - 150	04/23/21 18:48	04/24/21 12:08	1
d7-N-MeFOSE-M	80		10 - 150	04/23/21 18:48	04/24/21 12:08	1
13C2 10:2 FTS	91		25 - 150	04/23/21 18:48	04/24/21 12:08	1
d9-N-EtFOSE-M	82		10 - 150	04/23/21 18:48	04/24/21 12:08	1

Lab Sample ID: LCS 320-482624/2-A
Matrix: Solid
Analysis Batch: 483140

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 482624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Perfluorobutanoic acid (PFBA)	2.00	1.87		ug/Kg		93	60 - 135

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QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

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

Lab Sample ID: LCS 320-482624/2-A
Matrix: Solid
Analysis Batch: 483140

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 482624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoropentanoic acid (PFPeA)	2.00	1.79		ug/Kg		89	60 - 135
Perfluorohexanoic acid (PFHxA)	2.00	1.94		ug/Kg		97	60 - 135
Perfluoroheptanoic acid (PFHpA)	2.00	1.97		ug/Kg		98	60 - 135
Perfluorooctanoic acid (PFOA)	2.00	2.02		ug/Kg		101	60 - 135
Perfluorononanoic acid (PFNA)	2.00	2.13		ug/Kg		106	60 - 135
Perfluorodecanoic acid (PFDA)	2.00	1.66		ug/Kg		83	60 - 135
Perfluoroundecanoic acid (PFUnA)	2.00	1.87		ug/Kg		93	60 - 135
Perfluorododecanoic acid (PFDoA)	2.00	2.01		ug/Kg		101	60 - 135
Perfluorotridecanoic acid (PFTrDA)	2.00	2.02		ug/Kg		101	60 - 135
Perfluorotetradecanoic acid (PFTeA)	2.00	2.05		ug/Kg		102	60 - 135
Perfluorobutanesulfonic acid (PFBS)	1.77	1.79		ug/Kg		101	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.92		ug/Kg		102	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.66		ug/Kg		91	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	2.04		ug/Kg		107	60 - 135
Perfluorooctanesulfonic acid (PFOS)	1.86	1.79		ug/Kg		96	60 - 135
Perfluorononanesulfonic acid (PFNS)	1.92	1.84		ug/Kg		96	60 - 135
Perfluorodecanesulfonic acid (PFDS)	1.93	1.64		ug/Kg		85	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	1.94	1.84		ug/Kg		95	60 - 135
Perfluorooctanesulfonamide (FOSA)	2.00	1.86		ug/Kg		93	60 - 135
NEtFOSA	2.00	1.97		ug/Kg		99	60 - 135
NMeFOSA	2.00	1.92		ug/Kg		96	60 - 135
NMeFOSAA	2.00	1.99	J	ug/Kg		99	60 - 135
NEtFOSAA	2.00	2.09		ug/Kg		104	60 - 135
NMeFOSE	2.00	1.82		ug/Kg		91	60 - 135
NEtFOSE	2.00	1.93		ug/Kg		96	60 - 135
4:2 FTS	1.87	1.89	J	ug/Kg		101	60 - 135
6:2 FTS	1.90	1.71	J	ug/Kg		90	60 - 135
8:2 FTS	1.92	1.96	J	ug/Kg		102	60 - 135
HFPO-DA (GenX)	2.00	2.01		ug/Kg		101	60 - 135
9Cl-PF3ONS	1.86	1.89		ug/Kg		101	60 - 135
11Cl-PF3OUdS	1.88	1.71		ug/Kg		91	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.88	2.03		ug/Kg		108	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	86		25 - 150
13C5 PFPeA	90		25 - 150
13C2 PFHxA	84		25 - 150
13C4 PFHpA	93		25 - 150

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

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

Lab Sample ID: LCS 320-482624/2-A
Matrix: Solid
Analysis Batch: 483140

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 482624

<i>Isotope Dilution</i>	<i>LCS LCS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C4 PFOA	83		25 - 150
13C5 PFNA	89		25 - 150
13C2 PFDA	90		25 - 150
13C2 PFUnA	89		25 - 150
13C2 PFDoA	75		25 - 150
13C2 PFTeDA	82		25 - 150
13C3 PFBS	85		25 - 150
18O2 PFHxS	83		25 - 150
13C4 PFOS	82		25 - 150
13C8 FOSA	94		10 - 150
d3-NMeFOSAA	89		25 - 150
d5-NEtFOSAA	87		25 - 150
M2-4:2 FTS	93		25 - 150
d-N-MeFOSA-M	83		10 - 150
M2-6:2 FTS	109		25 - 150
d-N-EtFOSA-M	81		10 - 150
M2-8:2 FTS	103		25 - 150
13C3 HFPO-DA	83		25 - 150
d7-N-MeFOSE-M	88		10 - 150
13C2 10:2 FTS	86		25 - 150
d9-N-EtFOSE-M	90		10 - 150

Lab Sample ID: 320-72716-25 MS
Matrix: Solid
Analysis Batch: 483140

Client Sample ID: SS-03(0-1)
Prep Type: Total/NA
Prep Batch: 482624

<i>Analyte</i>	<i>Sample</i>	<i>Sample</i>	<i>Spike</i>	<i>MS MS</i>		<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>Limits</i>
	<i>Result</i>	<i>Qualifier</i>		<i>Added</i>	<i>Result</i>				
Perfluorobutanoic acid (PFBA)	0.048	J	1.98	1.97		ug/Kg	☼	97	70 - 130
Perfluoropentanoic acid (PFPeA)	0.12	J	1.98	2.03		ug/Kg	☼	97	70 - 130
Perfluorohexanoic acid (PFHxA)	0.32		1.98	2.43		ug/Kg	☼	107	70 - 130
Perfluoroheptanoic acid (PFHpA)	0.099	J	1.98	1.91		ug/Kg	☼	92	70 - 130
Perfluorooctanoic acid (PFOA)	0.49		1.98	2.66		ug/Kg	☼	109	70 - 130
Perfluorononanoic acid (PFNA)	0.13	J	1.98	2.20		ug/Kg	☼	105	70 - 130
Perfluorodecanoic acid (PFDA)	0.60		1.98	2.61		ug/Kg	☼	102	70 - 130
Perfluoroundecanoic acid (PFUnA)	0.31		1.98	1.98		ug/Kg	☼	84	70 - 130
Perfluorododecanoic acid (PFDoA)	0.22		1.98	2.09		ug/Kg	☼	95	70 - 130
Perfluorotridecanoic acid (PFTTrDA)	ND		1.98	1.75		ug/Kg	☼	88	70 - 130
Perfluorotetradecanoic acid (PFTeA)	0.12	J	1.98	2.08		ug/Kg	☼	99	70 - 130
Perfluorobutanesulfonic acid (PFBS)	ND		1.75	1.58		ug/Kg	☼	90	70 - 130
Perfluoropentanesulfonic acid (PFPeS)	ND		1.86	1.78		ug/Kg	☼	96	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	ND		1.80	1.69		ug/Kg	☼	94	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.89	1.84		ug/Kg	☼	97	70 - 130

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

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

Lab Sample ID: 320-72716-25 MS

Matrix: Solid

Analysis Batch: 483140

Client Sample ID: SS-03(0-1)

Prep Type: Total/NA

Prep Batch: 482624

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanesulfonic acid (PFOS)	ND		1.84	1.90		ug/Kg	⊛	104	70 - 130
Perfluorononanesulfonic acid (PFNS)	ND		1.90	1.66		ug/Kg	⊛	87	70 - 130
Perfluorodecanesulfonic acid (PFDS)	ND		1.91	1.61		ug/Kg	⊛	84	70 - 130
Perfluorododecanesulfonic acid (PFDoS)	ND		1.92	1.72		ug/Kg	⊛	90	70 - 130
Perfluorooctanesulfonamide (FOSA)	ND		1.98	1.89		ug/Kg	⊛	95	70 - 130
NEtFOSA	ND		1.98	2.14		ug/Kg	⊛	108	70 - 130
NMeFOSA	ND		1.98	2.01		ug/Kg	⊛	102	70 - 130
NMeFOSAA	ND		1.98	1.95	J	ug/Kg	⊛	98	70 - 130
NEtFOSAA	ND		1.98	2.07		ug/Kg	⊛	105	70 - 130
NMeFOSE	ND		1.98	1.90		ug/Kg	⊛	96	70 - 130
NEtFOSE	ND		1.98	1.77		ug/Kg	⊛	89	70 - 130
4:2 FTS	ND		1.85	1.88	J	ug/Kg	⊛	102	70 - 130
6:2 FTS	7.2	F1	1.88	9.69	F1	ug/Kg	⊛	134	70 - 130
HFPO-DA (GenX)	ND		1.98	1.93		ug/Kg	⊛	98	70 - 130
9CI-PF3ONS	ND		1.85	1.73		ug/Kg	⊛	94	70 - 130
11CI-PF3OUdS	ND		1.87	1.71		ug/Kg	⊛	92	70 - 130
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.87	2.04		ug/Kg	⊛	109	70 - 130

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFBA	82		25 - 150
13C5 PFPeA	84		25 - 150
13C2 PFHxA	81		25 - 150
13C4 PFHpA	97		25 - 150
13C4 PFOA	84		25 - 150
13C5 PFNA	91		25 - 150
13C2 PFDA	66		25 - 150
13C2 PFUnA	88		25 - 150
13C2 PFDoA	85		25 - 150
13C2 PFTeDA	75		25 - 150
13C3 PFBS	78		25 - 150
18O2 PFHxS	79		25 - 150
13C4 PFOS	82		25 - 150
13C8 FOSA	75		10 - 150
d3-NMeFOSAA	70		25 - 150
d5-NEtFOSAA	79		25 - 150
M2-4:2 FTS	82		25 - 150
d-N-MeFOSA-M	77		10 - 150
M2-6:2 FTS	94		25 - 150
d-N-EtFOSA-M	77		10 - 150
13C3 HFPO-DA	90		25 - 150
d7-N-MeFOSE-M	96		10 - 150
13C2 10:2 FTS	69		25 - 150
d9-N-EtFOSE-M	85		10 - 150

QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

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

Lab Sample ID: 320-72716-25 MSD

Matrix: Solid

Analysis Batch: 483140

Client Sample ID: SS-03(0-1)

Prep Type: Total/NA

Prep Batch: 482624

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Perfluorobutanoic acid (PFBA)	0.048	J	2.04	2.02		ug/Kg	☼	96	70 - 130	3	30
Perfluoropentanoic acid (PFPeA)	0.12	J	2.04	2.18		ug/Kg	☼	101	70 - 130	7	30
Perfluorohexanoic acid (PFHxA)	0.32		2.04	2.29		ug/Kg	☼	97	70 - 130	6	30
Perfluoroheptanoic acid (PFHpA)	0.099	J	2.04	2.09		ug/Kg	☼	97	70 - 130	9	30
Perfluorooctanoic acid (PFOA)	0.49		2.04	2.49		ug/Kg	☼	98	70 - 130	6	30
Perfluorononanoic acid (PFNA)	0.13	J	2.04	2.24		ug/Kg	☼	103	70 - 130	2	30
Perfluorodecanoic acid (PFDA)	0.60		2.04	2.36		ug/Kg	☼	87	70 - 130	10	30
Perfluoroundecanoic acid (PFUnA)	0.31		2.04	2.55		ug/Kg	☼	110	70 - 130	25	30
Perfluorododecanoic acid (PFDoA)	0.22		2.04	2.11		ug/Kg	☼	93	70 - 130	1	30
Perfluorotridecanoic acid (PFTrDA)	ND		2.04	2.05		ug/Kg	☼	100	70 - 130	16	30
Perfluorotetradecanoic acid (PFTeA)	0.12	J	2.04	2.13		ug/Kg	☼	99	70 - 130	3	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.80	1.62		ug/Kg	☼	90	70 - 130	3	30
Perfluoropentanesulfonic acid (PFPeS)	ND		1.91	1.87		ug/Kg	☼	98	70 - 130	5	30
Perfluorohexanesulfonic acid (PFHxS)	ND		1.86	1.70		ug/Kg	☼	92	70 - 130	1	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.94	1.81		ug/Kg	☼	93	70 - 130	1	30
Perfluorooctanesulfonic acid (PFOS)	ND		1.89	2.13		ug/Kg	☼	112	70 - 130	11	30
Perfluorononanesulfonic acid (PFNS)	ND		1.96	1.66		ug/Kg	☼	85	70 - 130	0	30
Perfluorodecanesulfonic acid (PFDS)	ND		1.97	1.87		ug/Kg	☼	95	70 - 130	15	30
Perfluorododecanesulfonic acid (PFDoS)	ND		1.98	1.79		ug/Kg	☼	91	70 - 130	4	30
Perfluorooctanesulfonamide (FOSA)	ND		2.04	2.05		ug/Kg	☼	100	70 - 130	8	30
NEtFOSA	ND		2.04	2.11		ug/Kg	☼	103	70 - 130	2	30
NMeFOSA	ND		2.04	1.97		ug/Kg	☼	97	70 - 130	2	30
NMeFOSAA	ND		2.04	2.35		ug/Kg	☼	115	70 - 130	19	30
NEtFOSAA	ND		2.04	2.10		ug/Kg	☼	103	70 - 130	2	30
NMeFOSE	ND		2.04	1.89		ug/Kg	☼	93	70 - 130	0	30
NEtFOSE	ND		2.04	1.92		ug/Kg	☼	94	70 - 130	8	30
4:2 FTS	ND		1.91	1.91	J	ug/Kg	☼	100	70 - 130	2	30
6:2 FTS	7.2	F1	1.93	10.7	F1	ug/Kg	☼	185	70 - 130	10	30
HFPO-DA (GenX)	ND		2.04	1.91		ug/Kg	☼	94	70 - 130	1	30
9Cl-PF3ONS	ND		1.90	1.97		ug/Kg	☼	104	70 - 130	13	30
11Cl-PF3OUdS	ND		1.92	1.99		ug/Kg	☼	104	70 - 130	15	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		1.92	1.98		ug/Kg	☼	103	70 - 130	3	30

Isotope Dilution	MSD	MSD	Limits
	%Recovery	Qualifier	
13C4 PFBA	71		25 - 150
13C5 PFPeA	73		25 - 150
13C2 PFHxA	73		25 - 150
13C4 PFHpA	73		25 - 150

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

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

Lab Sample ID: 320-72716-25 MSD
Matrix: Solid
Analysis Batch: 483140

Client Sample ID: SS-03(0-1)
Prep Type: Total/NA
Prep Batch: 482624

<i>Isotope Dilution</i>	<i>MSD %Recovery</i>	<i>MSD Qualifier</i>	<i>Limits</i>
13C4 PFOA	88		25 - 150
13C5 PFNA	83		25 - 150
13C2 PFDA	63		25 - 150
13C2 PFUnA	69		25 - 150
13C2 PFDoA	68		25 - 150
13C2 PFTeDA	67		25 - 150
13C3 PFBS	71		25 - 150
18O2 PFHxS	70		25 - 150
13C4 PFOS	71		25 - 150
13C8 FOSA	69		10 - 150
d3-NMeFOSAA	55		25 - 150
d5-NEtFOSAA	72		25 - 150
M2-4:2 FTS	72		25 - 150
d-N-MeFOSA-M	72		10 - 150
M2-6:2 FTS	83		25 - 150
d-N-EtFOSA-M	68		10 - 150
13C3 HFPO-DA	74		25 - 150
d7-N-MeFOSE-M	90		10 - 150
13C2 10:2 FTS	57		25 - 150
d9-N-EtFOSE-M	77		10 - 150

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

Lab Sample ID: 320-72716-25 MS
Matrix: Solid
Analysis Batch: 483573

Client Sample ID: SS-03(0-1)
Prep Type: Total/NA
Prep Batch: 482624

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MS Result</i>	<i>MS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
8:2 FTS - DL	130		1.90	119	4	ug/Kg	⊛	-669	70 - 130
<i>Isotope Dilution</i>	<i>MS %Recovery</i>	<i>MS Qualifier</i>	<i>Limits</i>						
M2-8:2 FTS - DL	101		25 - 150						

Lab Sample ID: 320-72716-25 MSD
Matrix: Solid
Analysis Batch: 483573

Client Sample ID: SS-03(0-1)
Prep Type: Total/NA
Prep Batch: 482624

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
8:2 FTS - DL	130		1.96	139	4	ug/Kg	⊛	386	70 - 130	16	30
<i>Isotope Dilution</i>	<i>MSD %Recovery</i>	<i>MSD Qualifier</i>	<i>Limits</i>								
M2-8:2 FTS - DL	87		25 - 150								

QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

Method: D 2216 - Percent Moisture

Lab Sample ID: 320-72716-1 DU
Matrix: Solid
Analysis Batch: 482465

Client Sample ID: SB-01(0-2)
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				Limit
Percent Moisture	16.4		19.4		%		17	20
Percent Solids	83.6		80.6		%		4	20

Lab Sample ID: 320-72716-25 DU
Matrix: Solid
Analysis Batch: 482466

Client Sample ID: SS-03(0-1)
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD
	Result	Qualifier	Result	Qualifier				Limit
Percent Moisture	6.0		7.4	F3	%		21	20
Percent Solids	94.0		92.6		%		2	20



QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

LCMS

Prep Batch: 482355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-72716-26	EB-01-202104	Total/NA	Water	3535	
320-72716-27	EB-02-202104	Total/NA	Water	3535	
320-72716-28	EB-03-202104	Total/NA	Water	3535	
320-72716-28 - RA	EB-03-202104	Total/NA	Water	3535	
320-72716-29	FB-01-202104	Total/NA	Water	3535	
MB 320-482355/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-482355/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-482355/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 482624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-72716-1	SB-01(0-2)	Total/NA	Solid	SHAKE	
320-72716-1 - DL	SB-01(0-2)	Total/NA	Solid	SHAKE	
320-72716-2	SB-02(0-2)	Total/NA	Solid	SHAKE	
320-72716-2 - DL	SB-02(0-2)	Total/NA	Solid	SHAKE	
320-72716-3	SB-03(0-2)	Total/NA	Solid	SHAKE	
320-72716-4	SB-04(0-2)	Total/NA	Solid	SHAKE	
320-72716-4 - DL	SB-04(0-2)	Total/NA	Solid	SHAKE	
320-72716-5	SB-05(0-2)	Total/NA	Solid	SHAKE	
320-72716-7	SB-06(0-1.5)	Total/NA	Solid	SHAKE	
320-72716-8	SB-07(0-2)	Total/NA	Solid	SHAKE	
320-72716-9	SB-08(0-2)	Total/NA	Solid	SHAKE	
320-72716-10	SB-09(0-2)	Total/NA	Solid	SHAKE	
320-72716-11	SB-10(2-4)	Total/NA	Solid	SHAKE	
320-72716-11 - DL	SB-10(2-4)	Total/NA	Solid	SHAKE	
320-72716-13	SB-11(2-4)	Total/NA	Solid	SHAKE	
320-72716-15	SB-12(2-4)	Total/NA	Solid	SHAKE	
320-72716-17	SB-13(2.25-4)	Total/NA	Solid	SHAKE	
320-72716-19	SB-14(0-4)	Total/NA	Solid	SHAKE	
320-72716-20	SB-15(0-2)	Total/NA	Solid	SHAKE	
320-72716-21	SB-16(0-2)	Total/NA	Solid	SHAKE	
320-72716-22	SS-01(0-1)	Total/NA	Solid	SHAKE	
320-72716-22 - DL	SS-01(0-1)	Total/NA	Solid	SHAKE	
320-72716-23	SS-02(0-1)	Total/NA	Solid	SHAKE	
320-72716-25	SS-03(0-1)	Total/NA	Solid	SHAKE	
320-72716-25 - DL	SS-03(0-1)	Total/NA	Solid	SHAKE	
MB 320-482624/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-482624/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
320-72716-25 MS	SS-03(0-1)	Total/NA	Solid	SHAKE	
320-72716-25 MS - DL	SS-03(0-1)	Total/NA	Solid	SHAKE	
320-72716-25 MSD	SS-03(0-1)	Total/NA	Solid	SHAKE	
320-72716-25 MSD - DL	SS-03(0-1)	Total/NA	Solid	SHAKE	

Analysis Batch: 483134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-72716-26	EB-01-202104	Total/NA	Water	537 (modified)	482355
320-72716-27	EB-02-202104	Total/NA	Water	537 (modified)	482355
320-72716-28	EB-03-202104	Total/NA	Water	537 (modified)	482355
320-72716-29	FB-01-202104	Total/NA	Water	537 (modified)	482355
MB 320-482355/1-A	Method Blank	Total/NA	Water	537 (modified)	482355
LCS 320-482355/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	482355

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QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

LCMS (Continued)

Analysis Batch: 483134 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 320-482355/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	482355

Analysis Batch: 483140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-72716-1	SB-01(0-2)	Total/NA	Solid	537 (modified)	482624
320-72716-2	SB-02(0-2)	Total/NA	Solid	537 (modified)	482624
320-72716-3	SB-03(0-2)	Total/NA	Solid	537 (modified)	482624
320-72716-4	SB-04(0-2)	Total/NA	Solid	537 (modified)	482624
320-72716-5	SB-05(0-2)	Total/NA	Solid	537 (modified)	482624
320-72716-7	SB-06(0-1.5)	Total/NA	Solid	537 (modified)	482624
320-72716-8	SB-07(0-2)	Total/NA	Solid	537 (modified)	482624
320-72716-9	SB-08(0-2)	Total/NA	Solid	537 (modified)	482624
320-72716-10	SB-09(0-2)	Total/NA	Solid	537 (modified)	482624
320-72716-11	SB-10(2-4)	Total/NA	Solid	537 (modified)	482624
320-72716-13	SB-11(2-4)	Total/NA	Solid	537 (modified)	482624
320-72716-15	SB-12(2-4)	Total/NA	Solid	537 (modified)	482624
320-72716-17	SB-13(2.25-4)	Total/NA	Solid	537 (modified)	482624
320-72716-19	SB-14(0-4)	Total/NA	Solid	537 (modified)	482624
320-72716-20	SB-15(0-2)	Total/NA	Solid	537 (modified)	482624
320-72716-21	SB-16(0-2)	Total/NA	Solid	537 (modified)	482624
320-72716-22	SS-01(0-1)	Total/NA	Solid	537 (modified)	482624
320-72716-23	SS-02(0-1)	Total/NA	Solid	537 (modified)	482624
320-72716-25	SS-03(0-1)	Total/NA	Solid	537 (modified)	482624
MB 320-482624/1-A	Method Blank	Total/NA	Solid	537 (modified)	482624
LCS 320-482624/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	482624
320-72716-25 MS	SS-03(0-1)	Total/NA	Solid	537 (modified)	482624
320-72716-25 MSD	SS-03(0-1)	Total/NA	Solid	537 (modified)	482624

Analysis Batch: 483573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-72716-1 - DL	SB-01(0-2)	Total/NA	Solid	537 (modified)	482624
320-72716-2 - DL	SB-02(0-2)	Total/NA	Solid	537 (modified)	482624
320-72716-4 - DL	SB-04(0-2)	Total/NA	Solid	537 (modified)	482624
320-72716-11 - DL	SB-10(2-4)	Total/NA	Solid	537 (modified)	482624
320-72716-22 - DL	SS-01(0-1)	Total/NA	Solid	537 (modified)	482624
320-72716-25 - DL	SS-03(0-1)	Total/NA	Solid	537 (modified)	482624
320-72716-25 MS - DL	SS-03(0-1)	Total/NA	Solid	537 (modified)	482624
320-72716-25 MSD - DL	SS-03(0-1)	Total/NA	Solid	537 (modified)	482624

Analysis Batch: 483898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-72716-28 - RA	EB-03-202104	Total/NA	Water	537 (modified)	482355

General Chemistry

Analysis Batch: 482465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-72716-1	SB-01(0-2)	Total/NA	Solid	D 2216	
320-72716-2	SB-02(0-2)	Total/NA	Solid	D 2216	
320-72716-3	SB-03(0-2)	Total/NA	Solid	D 2216	
320-72716-4	SB-04(0-2)	Total/NA	Solid	D 2216	

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QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

General Chemistry (Continued)

Analysis Batch: 482465 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-72716-5	SB-05(0-2)	Total/NA	Solid	D 2216	
320-72716-7	SB-06(0-1.5)	Total/NA	Solid	D 2216	
320-72716-8	SB-07(0-2)	Total/NA	Solid	D 2216	
320-72716-9	SB-08(0-2)	Total/NA	Solid	D 2216	
320-72716-10	SB-09(0-2)	Total/NA	Solid	D 2216	
320-72716-11	SB-10(2-4)	Total/NA	Solid	D 2216	
320-72716-13	SB-11(2-4)	Total/NA	Solid	D 2216	
320-72716-15	SB-12(2-4)	Total/NA	Solid	D 2216	
320-72716-17	SB-13(2.25-4)	Total/NA	Solid	D 2216	
320-72716-19	SB-14(0-4)	Total/NA	Solid	D 2216	
320-72716-20	SB-15(0-2)	Total/NA	Solid	D 2216	
320-72716-21	SB-16(0-2)	Total/NA	Solid	D 2216	
320-72716-22	SS-01(0-1)	Total/NA	Solid	D 2216	
320-72716-23	SS-02(0-1)	Total/NA	Solid	D 2216	
320-72716-1 DU	SB-01(0-2)	Total/NA	Solid	D 2216	

Analysis Batch: 482466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-72716-25	SS-03(0-1)	Total/NA	Solid	D 2216	
320-72716-25 DU	SS-03(0-1)	Total/NA	Solid	D 2216	

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-01(0-2)

Date Collected: 04/20/21 08:35

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SB-01(0-2)

Date Collected: 04/20/21 08:35

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-1

Matrix: Solid

Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.42 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 12:26	RS1	TAL SAC
Total/NA	Prep	SHAKE	DL		5.42 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)	DL	5			483573	04/27/21 19:52	D1R	TAL SAC

Client Sample ID: SB-02(0-2)

Date Collected: 04/20/21 09:05

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SB-02(0-2)

Date Collected: 04/20/21 09:05

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-2

Matrix: Solid

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.37 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 12:36	RS1	TAL SAC
Total/NA	Prep	SHAKE	DL		5.37 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)	DL	5			483573	04/27/21 20:01	D1R	TAL SAC

Client Sample ID: SB-03(0-2)

Date Collected: 04/20/21 10:05

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SB-03(0-2)

Date Collected: 04/20/21 10:05

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-3

Matrix: Solid

Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.45 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 12:45	RS1	TAL SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-04(0-2)

Date Collected: 04/20/21 10:20

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SB-04(0-2)

Date Collected: 04/20/21 10:20

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-4

Matrix: Solid

Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.26 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 12:54	RS1	TAL SAC
Total/NA	Prep	SHAKE	DL		5.26 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)	DL	5			483573	04/27/21 20:11	D1R	TAL SAC

Client Sample ID: SB-05(0-2)

Date Collected: 04/20/21 10:30

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SB-05(0-2)

Date Collected: 04/20/21 10:30

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-5

Matrix: Solid

Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.09 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 13:03	RS1	TAL SAC

Client Sample ID: SB-06(0-1.5)

Date Collected: 04/20/21 11:40

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SB-06(0-1.5)

Date Collected: 04/20/21 11:40

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-7

Matrix: Solid

Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 13:12	RS1	TAL SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-07(0-2)

Date Collected: 04/20/21 12:00

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SB-07(0-2)

Date Collected: 04/20/21 12:00

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-8

Matrix: Solid

Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.06 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 13:21	RS1	TAL SAC

Client Sample ID: SB-08(0-2)

Date Collected: 04/20/21 12:15

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SB-08(0-2)

Date Collected: 04/20/21 12:15

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-9

Matrix: Solid

Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.21 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 13:30	RS1	TAL SAC

Client Sample ID: SB-09(0-2)

Date Collected: 04/20/21 12:25

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SB-09(0-2)

Date Collected: 04/20/21 12:25

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-10

Matrix: Solid

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.44 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 14:07	RS1	TAL SAC

Client Sample ID: SB-10(2-4)

Date Collected: 04/20/21 15:20

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Eurofins TestAmerica, Sacramento

Lab Chronicle

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-10(2-4)

Lab Sample ID: 320-72716-11

Date Collected: 04/20/21 15:20

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.15 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 14:16	RS1	TAL SAC
Total/NA	Prep	SHAKE	DL		5.15 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)	DL	5			483573	04/27/21 20:20	D1R	TAL SAC

Client Sample ID: SB-11(2-4)

Lab Sample ID: 320-72716-13

Date Collected: 04/20/21 13:20

Matrix: Solid

Date Received: 04/22/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SB-11(2-4)

Lab Sample ID: 320-72716-13

Date Collected: 04/20/21 13:20

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.15 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 14:25	RS1	TAL SAC

Client Sample ID: SB-12(2-4)

Lab Sample ID: 320-72716-15

Date Collected: 04/20/21 13:40

Matrix: Solid

Date Received: 04/22/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SB-12(2-4)

Lab Sample ID: 320-72716-15

Date Collected: 04/20/21 13:40

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.23 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 14:34	RS1	TAL SAC

Client Sample ID: SB-13(2.25-4)

Lab Sample ID: 320-72716-17

Date Collected: 04/20/21 15:40

Matrix: Solid

Date Received: 04/22/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-13(2.25-4)

Date Collected: 04/20/21 15:40

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-17

Matrix: Solid

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.10 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 14:43	RS1	TAL SAC

Client Sample ID: SB-14(0-4)

Date Collected: 04/20/21 16:15

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SB-14(0-4)

Date Collected: 04/20/21 16:15

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-19

Matrix: Solid

Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.19 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 14:53	RS1	TAL SAC

Client Sample ID: SB-15(0-2)

Date Collected: 04/21/21 08:20

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SB-15(0-2)

Date Collected: 04/21/21 08:20

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-20

Matrix: Solid

Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.12 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 15:02	RS1	TAL SAC

Client Sample ID: SB-16(0-2)

Date Collected: 04/21/21 08:35

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SB-16(0-2)

Date Collected: 04/21/21 08:35

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-21

Matrix: Solid

Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.01 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 15:11	RS1	TAL SAC

Client Sample ID: SS-01(0-1)

Date Collected: 04/21/21 09:15

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SS-01(0-1)

Date Collected: 04/21/21 09:15

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-22

Matrix: Solid

Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.47 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 15:20	RS1	TAL SAC
Total/NA	Prep	SHAKE	DL		5.47 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)	DL	10			483573	04/27/21 20:29	D1R	TAL SAC

Client Sample ID: SS-02(0-1)

Date Collected: 04/21/21 09:35

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482465	04/23/21 10:37	TCS	TAL SAC

Client Sample ID: SS-02(0-1)

Date Collected: 04/21/21 09:35

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-23

Matrix: Solid

Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.29 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 15:29	RS1	TAL SAC

Client Sample ID: SS-03(0-1)

Date Collected: 04/21/21 09:45

Date Received: 04/22/21 09:55

Lab Sample ID: 320-72716-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			482466	04/23/21 10:37	TCS	TAL SAC

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Client Sample ID: SS-03(0-1)

Lab Sample ID: 320-72716-25

Date Collected: 04/21/21 09:45

Matrix: Solid

Date Received: 04/22/21 09:55

Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.23 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			483140	04/24/21 16:06	RS1	TAL SAC
Total/NA	Prep	SHAKE	DL		5.23 g	10.00 mL	482624	04/23/21 18:48	FX	TAL SAC
Total/NA	Analysis	537 (modified)	DL	20			483573	04/27/21 20:39	D1R	TAL SAC

Client Sample ID: EB-01-202104

Lab Sample ID: 320-72716-26

Date Collected: 04/20/21 08:55

Matrix: Water

Date Received: 04/22/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			290.9 mL	10.0 mL	482355	04/23/21 07:43	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			483134	04/24/21 10:46	RS1	TAL SAC

Client Sample ID: EB-02-202104

Lab Sample ID: 320-72716-27

Date Collected: 04/20/21 11:00

Matrix: Water

Date Received: 04/22/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			287.5 mL	10.0 mL	482355	04/23/21 07:43	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			483134	04/24/21 10:55	RS1	TAL SAC

Client Sample ID: EB-03-202104

Lab Sample ID: 320-72716-28

Date Collected: 04/21/21 08:40

Matrix: Water

Date Received: 04/22/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			268.1 mL	10.0 mL	482355	04/23/21 07:43	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			483134	04/24/21 11:04	RS1	TAL SAC
Total/NA	Prep	3535	RA		268.1 mL	10.0 mL	482355	04/23/21 07:43	EG	TAL SAC
Total/NA	Analysis	537 (modified)	RA	1			483898	04/28/21 06:56	JY1	TAL SAC

Client Sample ID: FB-01-202104

Lab Sample ID: 320-72716-29

Date Collected: 04/21/21 17:30

Matrix: Water

Date Received: 04/22/21 09:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			283.2 mL	10.0 mL	482355	04/23/21 07:43	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			483134	04/24/21 11:13	RS1	TAL SAC

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Laboratory: Eurofins TestAmerica, Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998204680	08-31-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
D 2216		Solid	Percent Moisture
D 2216		Solid	Percent Solids

Method Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
D 2216	Percent Moisture	ASTM	TAL SAC
3535	Solid-Phase Extraction (SPE)	SW846	TAL SAC
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL SAC

Protocol References:

ASTM = ASTM International

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 TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-72716-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-72716-1	SB-01(0-2)	Solid	04/20/21 08:35	04/22/21 09:55	
320-72716-2	SB-02(0-2)	Solid	04/20/21 09:05	04/22/21 09:55	
320-72716-3	SB-03(0-2)	Solid	04/20/21 10:05	04/22/21 09:55	
320-72716-4	SB-04(0-2)	Solid	04/20/21 10:20	04/22/21 09:55	
320-72716-5	SB-05(0-2)	Solid	04/20/21 10:30	04/22/21 09:55	
320-72716-7	SB-06(0-1.5)	Solid	04/20/21 11:40	04/22/21 09:55	
320-72716-8	SB-07(0-2)	Solid	04/20/21 12:00	04/22/21 09:55	
320-72716-9	SB-08(0-2)	Solid	04/20/21 12:15	04/22/21 09:55	
320-72716-10	SB-09(0-2)	Solid	04/20/21 12:25	04/22/21 09:55	
320-72716-11	SB-10(2-4)	Solid	04/20/21 15:20	04/22/21 09:55	
320-72716-13	SB-11(2-4)	Solid	04/20/21 13:20	04/22/21 09:55	
320-72716-15	SB-12(2-4)	Solid	04/20/21 13:40	04/22/21 09:55	
320-72716-17	SB-13(2.25-4)	Solid	04/20/21 15:40	04/22/21 09:55	
320-72716-19	SB-14(0-4)	Solid	04/20/21 16:15	04/22/21 09:55	
320-72716-20	SB-15(0-2)	Solid	04/21/21 08:20	04/22/21 09:55	
320-72716-21	SB-16(0-2)	Solid	04/21/21 08:35	04/22/21 09:55	
320-72716-22	SS-01(0-1)	Solid	04/21/21 09:15	04/22/21 09:55	
320-72716-23	SS-02(0-1)	Solid	04/21/21 09:35	04/22/21 09:55	
320-72716-25	SS-03(0-1)	Solid	04/21/21 09:45	04/22/21 09:55	
320-72716-26	EB-01-202104	Water	04/20/21 08:55	04/22/21 09:55	
320-72716-27	EB-02-202104	Water	04/20/21 11:00	04/22/21 09:55	
320-72716-28	EB-03-202104	Water	04/21/21 08:40	04/22/21 09:55	
320-72716-29	FB-01-202104	Water	04/21/21 17:30	04/22/21 09:55	



TAL-8210

Address:

Regulatory Program: DW NPDES RCRA Other:

Client Contact Company Name: TRC Address: 708 Hartland Trail City/State/Zip: Madison, WI 53717 Phone: (414) 294-9247 Fax: (262) 879-0220 Project Name: RockGen SI Site: RockGen PO #: 165540		Project Manager: Jeff Rainey Tell/Email: jrainey@trccompanies.com Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input checked="" type="checkbox"/> WORKING DAYS TAT if different from Below: 5 days <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day	
Site Contact: David Altucher Lab Contact: David Altucher Date: 4/21/21 Carrier:		COC No: 1 of 3 COCs Sampler: Lydia Turner For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.:	



320-72716 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (G=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PFAS (w/ 33 list)	Sample Specific Notes:
SB-01 (0-2)	4/20/21	8:35	G	S	1	N	N	X	
SB-02 (0-2)	4/20/21	9:05	G	S	1	N	N	X	
SB-03 (0-2)	4/20/21	10:05	G	S	1	N	N	X	
SB-04 (0-2)	4/20/21	10:20	G	S	1	N	N	X	
SB-05 (0-2)	4/20/21	10:30	G	S	1	N	N	X	
SB-05 (4-5)	4/20/21	10:40	G	S	1	N	N	X	HOLD
SB-06 (0-1.5)	4/20/21	11:40	G	S	1	N	N	X	
SB-07 (0-2)	4/20/21	12:00	G	S	1	N	N	X	
SB-08 (0-2)	4/20/21	12:15	G	S	1	N	N	X	
SB-09 (0-2)	4/20/21	12:25	G	S	1	N	N	X	
SB-10 (2-4)	4/20/21	15:20	G	S	1	N	N	X	
SB-10 (75-9.5)	4/20/21	15:25	G	S	1	N	N	X	HOLD

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

Possible Hazard Identification: 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

Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Custody Seal No.: 1589659
Cooler Temp. (°C): Obsd: 14 Corrd: 14 Therm ID No.: 605

Relinquished by: Lydia Turner
Date/Time: 4/21/21 15:30
Company: TRC

Received by: [Signature]
Date/Time: 4/21/21 15:30
Company: EMS

Relinquished by: [Signature]
Date/Time: [Blank]
Company: [Blank]

Received in Laboratory by: [Blank]
Date/Time: [Blank]
Company: [Blank]



TAL-8210

Address:

Regulatory Program: DW NPDES RCRA Other:

Client Contact Company Name: TRC Address: 708 Heartland Trail Suite 3000 City/State/Zip: Madison, WI 53717 Phone: (414) 294-9247 Fax: (262) 879-1226 Project Name: Rockton SI Site: Rockton PO # 165540		Project Manager: Jeff Ranney Tell/Email: jranney@rockonams.com Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input checked="" type="checkbox"/> WORKING DAYS TAT if different from Below <u>5 days</u> <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: AITucker Date: 4/21/21 Carrier: Lab Contact: (615) 338-1147 Filtered Sample (Y/N) Perform MS/MSD (Y/N)		COC No: 2 of 3 COCs Sampler: Lydia Anwar For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.:	
Sample Identification							
Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes	
SB-11 (2-4)	4/20/21	13:20	G	S	1		
SB-11 (8-9.5)		13:25	G	S	1	HOLD	
SB-12 (2-4)		13:40	G	S	1		
SB-12 (7-9)		13:45	G	S	1	HOLD	
SB-13 (2.25-4)		15:40	G	S	1		
SB-13 (9-11)		15:45	G	S	1		
SB-14 (0-4)		16:15	G	S	1		
SB-15 (0-2)	4/21/21	8:20	G	S	1		
SB-16 (0-2)		8:35	G	S	1		
SS-01 (0-1)		9:15	G	S	1		
SS-02 (0-1)		9:35	G	S	1		
SS-02 (1-1.25)		9:30	G	S	1	HOLD	

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

Possible Hazard Identification:
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard Flammable Skin Irritant Poison B Unknown

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: Yes No
 Relinquished by: Lydia Anwar
 Relinquished by: TRC
 Relinquished by: Company:
 Relinquished by: Company:

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





TAL-8210

Address:

Regulatory Program: DW NPDES RCRA Other:

Company Name: TRC		Client Contact	
Address: 705 Heartland Trail, Suite 3000		Project Manager: Jeff Ramey	
City/State/Zip: Madison, WI 53717		Tel/Email: J.Ramey@TestAmerica.com	
Phone: (414) 294-9247		Analysis Turnaround Time	
Fax: (262) 879-1220		<input type="checkbox"/> CALENDAR DAYS <input checked="" type="checkbox"/> WORKING DAYS TAT if different from Below 5 days	
Project Name: RockGen SI		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day	
Site: RockGen		COC No: 3 of 3 COCs Sampler: Lydia Arner For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.:	
P.O.# 165540		Date: 4/21/21 Carrier:	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Lab Contact:		Sample Specific Notes:
						Site Contact:	Lab Contact:	
SS-03 (0-1)	4/21/21	9:45	G	S	1	Perform MS / MSD (Y / N)	PTKS (L33 L57)	
EB-01 - 202104	4/20/21	8:55	G	W	2	Filtered Sample (Y / N)		
EB-02 - 202104	4/20/21	11:00	G	W	2			
EB-03 - 202104	4/21/21	8:40	G	W	2			
EB-04 - 202104	4/21/21	11:20						
		11:44						
FB-01-202104	4/21/21	17:30	G	W	2			

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

Possible Hazard Identification: 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
 Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seal No.: **1569689** Cooler Temp. (°C): Obs'd: **14** Corr'd: **14** Therm ID No.: **645**

Relinquished by: **Lydia Arner** Received by: **ESOS** Date/Time: **4/21/21 18:30** Company: **ESOS**

Relinquished by: _____ Received by: _____ Date/Time: _____ Company: _____

Relinquished by: _____ Received in Laboratory by: _____ Date/Time: _____ Company: _____



Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 320-72716-1

Login Number: 72716

List Source: Eurofins TestAmerica, Sacramento

List Number: 1

Creator: Alltucker, David R

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	1569659
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is < 6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	