

## ANALYTICAL REPORT

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West Sacramento, CA 95605  
Tel: (916)373-5600

Laboratory Job ID: 320-75698-1  
Client Project/Site: RockGen  
Revision: 1

For:  
TRC Environmental Corporation  
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West Allis, Wisconsin 53214

Attn: Jeff Ramey



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Authorized for release by:  
7/12/2021 3:03:46 PM

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



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# Definitions/Glossary

Client: TRC Environmental Corporation  
Project/Site: RockGen

Job ID: 320-75698-1

## Qualifiers

### LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

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

# Case Narrative

Client: TRC Environmental Corporation  
Project/Site: RockGen

Job ID: 320-75698-1

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**Job ID: 320-75698-1**

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**Laboratory: Eurofins TestAmerica, Sacramento**

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**Narrative**

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**Receipt**

The samples were received on 7/2/2021 9:30 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 3.0° C.

**LCMS**

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

**Organic Prep**

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-503945.

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

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# Detection Summary

Client: TRC Environmental Corporation  
Project/Site: RockGen

Job ID: 320-75698-1

**Client Sample ID: PZ-01-20210701**

**Lab Sample ID: 320-75698-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid (PFDA)	0.28	J	1.6	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	1.5	J	1.6	0.80	ng/L	1		537 (modified)	Total/NA

**Client Sample ID: FB-05-20210701**

**Lab Sample ID: 320-75698-2**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento



# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: RockGen

Job ID: 320-75698-1

**Client Sample ID: PZ-01-20210701**

**Lab Sample ID: 320-75698-1**

Date Collected: 07/01/21 13:04

Matrix: Water

Date Received: 07/02/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<1.9		4.1	1.9	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluoropentanoic acid (PFPeA)	<0.40		1.6	0.40	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluorohexanoic acid (PFHxA)	<0.47		1.6	0.47	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluoroheptanoic acid (PFHpA)	<0.20		1.6	0.20	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluorooctanoic acid (PFOA)	<0.69		1.6	0.69	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluorononanoic acid (PFNA)	<0.22		1.6	0.22	ng/L		07/02/21 15:03	07/03/21 17:40	1
<b>Perfluorodecanoic acid (PFDA)</b>	<b>0.28</b>	<b>J</b>	1.6	0.25	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluoroundecanoic acid (PFUnA)	<0.89		1.6	0.89	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluorododecanoic acid (PFDoA)	<0.45		1.6	0.45	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluorotridecanoic acid (PFTTrDA)	<1.1		1.6	1.1	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluorotetradecanoic acid (PFTeA)	<0.59		1.6	0.59	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluorobutanesulfonic acid (PFBS)	<0.16		1.6	0.16	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluoropentanesulfonic acid (PFPeS)	<0.24		1.6	0.24	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluorohexanesulfonic acid (PFHxS)	<0.46		1.6	0.46	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.15		1.6	0.15	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluorooctanesulfonic acid (PFOS)	<0.44		1.6	0.44	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluorononanesulfonic acid (PFNS)	<0.30		1.6	0.30	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluorodecanesulfonic acid (PFDS)	<0.26		1.6	0.26	ng/L		07/02/21 15:03	07/03/21 17:40	1
Perfluorododecanesulfonic acid (PFDoS)	<0.79		1.6	0.79	ng/L		07/02/21 15:03	07/03/21 17:40	1
<b>Perfluorooctanesulfonamide (FOSA)</b>	<b>1.5</b>	<b>J</b>	1.6	0.80	ng/L		07/02/21 15:03	07/03/21 17:40	1
NEtFOSA	<0.71		1.6	0.71	ng/L		07/02/21 15:03	07/03/21 17:40	1
NMeFOSA	<0.35		1.6	0.35	ng/L		07/02/21 15:03	07/03/21 17:40	1
NMeFOSAA	<0.97		4.1	0.97	ng/L		07/02/21 15:03	07/03/21 17:40	1
NEtFOSAA	<1.1		4.1	1.1	ng/L		07/02/21 15:03	07/03/21 17:40	1
NMeFOSE	<1.1		3.2	1.1	ng/L		07/02/21 15:03	07/03/21 17:40	1
NEtFOSE	<0.69		1.6	0.69	ng/L		07/02/21 15:03	07/03/21 17:40	1
4:2 FTS	<0.19		1.6	0.19	ng/L		07/02/21 15:03	07/03/21 17:40	1
6:2 FTS	<2.0		4.1	2.0	ng/L		07/02/21 15:03	07/03/21 17:40	1
8:2 FTS	<0.37		1.6	0.37	ng/L		07/02/21 15:03	07/03/21 17:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.32		1.6	0.32	ng/L		07/02/21 15:03	07/03/21 17:40	1
HFPO-DA (GenX)	<1.2		3.2	1.2	ng/L		07/02/21 15:03	07/03/21 17:40	1
9Cl-PF3ONS	<0.19		1.6	0.19	ng/L		07/02/21 15:03	07/03/21 17:40	1
11Cl-PF3OUdS	<0.26		1.6	0.26	ng/L		07/02/21 15:03	07/03/21 17:40	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	66		25 - 150	07/02/21 15:03	07/03/21 17:40	1
13C5 PFPeA	47		25 - 150	07/02/21 15:03	07/03/21 17:40	1
13C2 PFHxA	65		25 - 150	07/02/21 15:03	07/03/21 17:40	1
13C4 PFHpA	69		25 - 150	07/02/21 15:03	07/03/21 17:40	1
13C4 PFOA	68		25 - 150	07/02/21 15:03	07/03/21 17:40	1
13C5 PFNA	69		25 - 150	07/02/21 15:03	07/03/21 17:40	1
13C2 PFDA	65		25 - 150	07/02/21 15:03	07/03/21 17:40	1
13C2 PFUnA	63		25 - 150	07/02/21 15:03	07/03/21 17:40	1
13C2 PFDoA	63		25 - 150	07/02/21 15:03	07/03/21 17:40	1
13C2 PFTeDA	72		25 - 150	07/02/21 15:03	07/03/21 17:40	1
13C3 PFBS	76		25 - 150	07/02/21 15:03	07/03/21 17:40	1

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# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: RockGen

Job ID: 320-75698-1

**Client Sample ID: PZ-01-20210701**

**Lab Sample ID: 320-75698-1**

**Date Collected: 07/01/21 13:04**

**Matrix: Water**

**Date Received: 07/02/21 09:30**

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	64		25 - 150	07/02/21 15:03	07/03/21 17:40	1
13C4 PFOS	64		25 - 150	07/02/21 15:03	07/03/21 17:40	1
13C8 FOSA	69		10 - 150	07/02/21 15:03	07/03/21 17:40	1
d3-NMeFOSAA	61		25 - 150	07/02/21 15:03	07/03/21 17:40	1
d5-NEtFOSAA	65		25 - 150	07/02/21 15:03	07/03/21 17:40	1
d-N-MeFOSA-M	56		10 - 150	07/02/21 15:03	07/03/21 17:40	1
d-N-EtFOSA-M	53		10 - 150	07/02/21 15:03	07/03/21 17:40	1
d7-N-MeFOSE-M	62		10 - 150	07/02/21 15:03	07/03/21 17:40	1
d9-N-EtFOSE-M	59		10 - 150	07/02/21 15:03	07/03/21 17:40	1
M2-4:2 FTS	81		25 - 150	07/02/21 15:03	07/03/21 17:40	1
M2-6:2 FTS	79		25 - 150	07/02/21 15:03	07/03/21 17:40	1
M2-8:2 FTS	82		25 - 150	07/02/21 15:03	07/03/21 17:40	1
13C3 HFPO-DA	65		25 - 150	07/02/21 15:03	07/03/21 17:40	1
13C2 10:2 FTS	80		25 - 150	07/02/21 15:03	07/03/21 17:40	1

**Client Sample ID: FB-05-20210701**

**Lab Sample ID: 320-75698-2**

**Date Collected: 07/01/21 13:10**

**Matrix: Water**

**Date Received: 07/02/21 09:30**

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

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorobutanoic acid (PFBA)	<2.0		4.2	2.0	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluoropentanoic acid (PFPeA)	<0.41		1.7	0.41	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluorohexanoic acid (PFHxA)	<0.48		1.7	0.48	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluoroheptanoic acid (PFHpA)	<0.21		1.7	0.21	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluorooctanoic acid (PFOA)	<0.71		1.7	0.71	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluorononanoic acid (PFNA)	<0.22		1.7	0.22	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluorodecanoic acid (PFDA)	<0.26		1.7	0.26	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluoroundecanoic acid (PFUnA)	<0.92		1.7	0.92	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluorododecanoic acid (PFDoA)	<0.46		1.7	0.46	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluorotetradecanoic acid (PFTeA)	<0.61		1.7	0.61	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluoropentanesulfonic acid (PFPeS)	<0.25		1.7	0.25	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluorohexanesulfonic acid (PFHxS)	<0.47		1.7	0.47	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluorooctanesulfonic acid (PFOS)	<0.45		1.7	0.45	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluorononanesulfonic acid (PFNS)	<0.31		1.7	0.31	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluorodecanesulfonic acid (PFDS)	<0.27		1.7	0.27	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluorododecanesulfonic acid (PFDoS)	<0.81		1.7	0.81	ng/L		07/02/21 15:03	07/03/21 17:49	1
Perfluorooctanesulfonamide (FOSA)	<0.82		1.7	0.82	ng/L		07/02/21 15:03	07/03/21 17:49	1
NEtFOSA	<0.72		1.7	0.72	ng/L		07/02/21 15:03	07/03/21 17:49	1
NMeFOSA	<0.36		1.7	0.36	ng/L		07/02/21 15:03	07/03/21 17:49	1
NMeFOSAA	<1.0		4.2	1.0	ng/L		07/02/21 15:03	07/03/21 17:49	1
NEtFOSAA	<1.1		4.2	1.1	ng/L		07/02/21 15:03	07/03/21 17:49	1
NMeFOSE	<1.2		3.3	1.2	ng/L		07/02/21 15:03	07/03/21 17:49	1
NEtFOSE	<0.71		1.7	0.71	ng/L		07/02/21 15:03	07/03/21 17:49	1
4:2 FTS	<0.20		1.7	0.20	ng/L		07/02/21 15:03	07/03/21 17:49	1

Eurofins TestAmerica, Sacramento

# Client Sample Results

Client: TRC Environmental Corporation  
Project/Site: RockGen

Job ID: 320-75698-1

**Client Sample ID: FB-05-20210701**

**Lab Sample ID: 320-75698-2**

Date Collected: 07/01/21 13:10

Matrix: Water

Date Received: 07/02/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.1		4.2	2.1	ng/L		07/02/21 15:03	07/03/21 17:49	1
8:2 FTS	<0.38		1.7	0.38	ng/L		07/02/21 15:03	07/03/21 17:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.33		1.7	0.33	ng/L		07/02/21 15:03	07/03/21 17:49	1
HFPO-DA (GenX)	<1.2		3.3	1.2	ng/L		07/02/21 15:03	07/03/21 17:49	1
9CI-PF3ONS	<0.20		1.7	0.20	ng/L		07/02/21 15:03	07/03/21 17:49	1
11CI-PF3OUdS	<0.27		1.7	0.27	ng/L		07/02/21 15:03	07/03/21 17:49	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	78		25 - 150	07/02/21 15:03	07/03/21 17:49	1
13C5 PFPeA	57		25 - 150	07/02/21 15:03	07/03/21 17:49	1
13C2 PFHxA	79		25 - 150	07/02/21 15:03	07/03/21 17:49	1
13C4 PFHpA	88		25 - 150	07/02/21 15:03	07/03/21 17:49	1
13C4 PFOA	79		25 - 150	07/02/21 15:03	07/03/21 17:49	1
13C5 PFNA	83		25 - 150	07/02/21 15:03	07/03/21 17:49	1
13C2 PFDA	81		25 - 150	07/02/21 15:03	07/03/21 17:49	1
13C2 PFUnA	80		25 - 150	07/02/21 15:03	07/03/21 17:49	1
13C2 PFDoA	80		25 - 150	07/02/21 15:03	07/03/21 17:49	1
13C2 PFTeDA	80		25 - 150	07/02/21 15:03	07/03/21 17:49	1
13C3 PFBS	90		25 - 150	07/02/21 15:03	07/03/21 17:49	1
18O2 PFHxS	79		25 - 150	07/02/21 15:03	07/03/21 17:49	1
13C4 PFOS	76		25 - 150	07/02/21 15:03	07/03/21 17:49	1
13C8 FOSA	84		10 - 150	07/02/21 15:03	07/03/21 17:49	1
d3-NMeFOSAA	79		25 - 150	07/02/21 15:03	07/03/21 17:49	1
d5-NEtFOSAA	78		25 - 150	07/02/21 15:03	07/03/21 17:49	1
d-N-MeFOSA-M	71		10 - 150	07/02/21 15:03	07/03/21 17:49	1
d-N-EtFOSA-M	68		10 - 150	07/02/21 15:03	07/03/21 17:49	1
d7-N-MeFOSE-M	77		10 - 150	07/02/21 15:03	07/03/21 17:49	1
d9-N-EtFOSE-M	73		10 - 150	07/02/21 15:03	07/03/21 17:49	1
M2-4:2 FTS	95		25 - 150	07/02/21 15:03	07/03/21 17:49	1
M2-6:2 FTS	98		25 - 150	07/02/21 15:03	07/03/21 17:49	1
M2-8:2 FTS	94		25 - 150	07/02/21 15:03	07/03/21 17:49	1
13C3 HFPO-DA	81		25 - 150	07/02/21 15:03	07/03/21 17:49	1
13C2 10:2 FTS	99		25 - 150	07/02/21 15:03	07/03/21 17:49	1



# Isotope Dilution Summary

Client: TRC Environmental Corporation  
Project/Site: RockGen

Job ID: 320-75698-1

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

Matrix: Water

Prep Type: Total/NA

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-75698-1	PZ-01-20210701	66	47	65	69	68	69	65	63
320-75698-2	FB-05-20210701	78	57	79	88	79	83	81	80
LCS 320-503945/2-A	Lab Control Sample	71	53	70	77	78	77	74	74
LCSD 320-503945/3-A	Lab Control Sample Dup	54	40	52	60	56	59	54	56
MB 320-503945/1-A	Method Blank	62	49	59	69	64	65	66	69

### 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)
320-75698-1	PZ-01-20210701	63	72	76	64	64	69	61	65
320-75698-2	FB-05-20210701	80	80	90	79	76	84	79	78
LCS 320-503945/2-A	Lab Control Sample	75	81	85	79	73	77	72	71
LCSD 320-503945/3-A	Lab Control Sample Dup	55	59	64	57	53	56	53	56
MB 320-503945/1-A	Method Blank	61	69	76	66	63	68	61	67

### 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)
320-75698-1	PZ-01-20210701	56	53	62	59	81	79	82	65
320-75698-2	FB-05-20210701	71	68	77	73	95	98	94	81
LCS 320-503945/2-A	Lab Control Sample	66	66	67	65	81	86	85	74
LCSD 320-503945/3-A	Lab Control Sample Dup	47	47	55	50	63	64	62	55
MB 320-503945/1-A	Method Blank	55	53	61	60	76	79	75	62

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M102FTS (25-150)
320-75698-1	PZ-01-20210701	80
320-75698-2	FB-05-20210701	99
LCS 320-503945/2-A	Lab Control Sample	87
LCSD 320-503945/3-A	Lab Control Sample Dup	67
MB 320-503945/1-A	Method Blank	81

#### 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  
d3NMFOS = d3-NMeFOSAA  
d5NEFOS = d5-NEtFOSAA  
dMeFOSA = d-N-MeFOSA-M  
dEtFOSA = d-N-EtFOSA-M

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# Isotope Dilution Summary

Client: TRC Environmental Corporation

Project/Site: RockGen

Job ID: 320-75698-1

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: RockGen

Job ID: 320-75698-1

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

**Lab Sample ID: MB 320-503945/1-A**  
**Matrix: Water**  
**Analysis Batch: 504043**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 503945**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/02/21 15:03	07/03/21 17:13	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/02/21 15:03	07/03/21 17:13	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/02/21 15:03	07/03/21 17:13	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/02/21 15:03	07/03/21 17:13	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/02/21 15:03	07/03/21 17:13	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/02/21 15:03	07/03/21 17:13	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/02/21 15:03	07/03/21 17:13	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/02/21 15:03	07/03/21 17:13	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/02/21 15:03	07/03/21 17:13	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/02/21 15:03	07/03/21 17:13	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/02/21 15:03	07/03/21 17:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/02/21 15:03	07/03/21 17:13	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/02/21 15:03	07/03/21 17:13	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/02/21 15:03	07/03/21 17:13	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/02/21 15:03	07/03/21 17:13	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	62		25 - 150	07/02/21 15:03	07/03/21 17:13	1
13C5 PFPeA	49		25 - 150	07/02/21 15:03	07/03/21 17:13	1
13C2 PFHxA	59		25 - 150	07/02/21 15:03	07/03/21 17:13	1
13C4 PFHpA	69		25 - 150	07/02/21 15:03	07/03/21 17:13	1
13C4 PFOA	64		25 - 150	07/02/21 15:03	07/03/21 17:13	1
13C5 PFNA	65		25 - 150	07/02/21 15:03	07/03/21 17:13	1
13C2 PFDA	66		25 - 150	07/02/21 15:03	07/03/21 17:13	1
13C2 PFUnA	69		25 - 150	07/02/21 15:03	07/03/21 17:13	1
13C2 PFDoA	61		25 - 150	07/02/21 15:03	07/03/21 17:13	1
13C2 PFTeDA	69		25 - 150	07/02/21 15:03	07/03/21 17:13	1

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# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: RockGen

Job ID: 320-75698-1

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

**Lab Sample ID: MB 320-503945/1-A**  
**Matrix: Water**  
**Analysis Batch: 504043**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 503945**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	76		25 - 150	07/02/21 15:03	07/03/21 17:13	1
18O2 PFHxS	66		25 - 150	07/02/21 15:03	07/03/21 17:13	1
13C4 PFOS	63		25 - 150	07/02/21 15:03	07/03/21 17:13	1
13C8 FOSA	68		10 - 150	07/02/21 15:03	07/03/21 17:13	1
d3-NMeFOSAA	61		25 - 150	07/02/21 15:03	07/03/21 17:13	1
d5-NEtFOSAA	67		25 - 150	07/02/21 15:03	07/03/21 17:13	1
d-N-MeFOSA-M	55		10 - 150	07/02/21 15:03	07/03/21 17:13	1
d-N-EtFOSA-M	53		10 - 150	07/02/21 15:03	07/03/21 17:13	1
d7-N-MeFOSE-M	61		10 - 150	07/02/21 15:03	07/03/21 17:13	1
d9-N-EtFOSE-M	60		10 - 150	07/02/21 15:03	07/03/21 17:13	1
M2-4:2 FTS	76		25 - 150	07/02/21 15:03	07/03/21 17:13	1
M2-6:2 FTS	79		25 - 150	07/02/21 15:03	07/03/21 17:13	1
M2-8:2 FTS	75		25 - 150	07/02/21 15:03	07/03/21 17:13	1
13C3 HFPO-DA	62		25 - 150	07/02/21 15:03	07/03/21 17:13	1
13C2 10:2 FTS	81		25 - 150	07/02/21 15:03	07/03/21 17:13	1

**Lab Sample ID: LCS 320-503945/2-A**  
**Matrix: Water**  
**Analysis Batch: 504043**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 503945**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoropentanoic acid (PFPeA)	40.0	51.9		ng/L		130	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	38.4		ng/L		96	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	38.2		ng/L		95	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	37.3		ng/L		93	60 - 135
Perfluorononanoic acid (PFNA)	40.0	37.9		ng/L		95	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	39.5		ng/L		99	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	37.0		ng/L		93	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	41.4		ng/L		103	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	38.9		ng/L		97	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	39.2		ng/L		98	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	30.3		ng/L		86	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	31.8		ng/L		85	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	33.1		ng/L		91	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	39.2		ng/L		103	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	39.9		ng/L		107	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	37.3		ng/L		97	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	37.1		ng/L		96	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	38.2		ng/L		99	60 - 135

Eurofins TestAmerica, Sacramento

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: RockGen

Job ID: 320-75698-1

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

**Lab Sample ID: LCS 320-503945/2-A**  
**Matrix: Water**  
**Analysis Batch: 504043**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 503945**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanesulfonamide (FOSA)	40.0	39.1		ng/L		98	60 - 135
NEtFOSA	40.0	37.6		ng/L		94	60 - 135
NMeFOSA	40.0	37.2		ng/L		93	60 - 135
NMeFOSAA	40.0	37.3		ng/L		93	60 - 135
NEtFOSAA	40.0	39.2		ng/L		98	60 - 135
NMeFOSE	40.0	40.0		ng/L		100	60 - 135
NEtFOSE	40.0	41.7		ng/L		104	60 - 135
4:2 FTS	37.4	34.6		ng/L		93	60 - 135
6:2 FTS	37.9	32.7		ng/L		86	60 - 135
8:2 FTS	38.3	37.5		ng/L		98	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	36.6		ng/L		97	60 - 135
HFPO-DA (GenX)	40.0	39.4		ng/L		99	60 - 135
9Cl-PF3ONS	37.3	38.6		ng/L		104	60 - 135
11Cl-PF3OUdS	37.7	37.9		ng/L		101	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	71		25 - 150
13C5 PFPeA	53		25 - 150
13C2 PFHxA	70		25 - 150
13C4 PFHpA	77		25 - 150
13C4 PFOA	78		25 - 150
13C5 PFNA	77		25 - 150
13C2 PFDA	74		25 - 150
13C2 PFUnA	74		25 - 150
13C2 PFDoA	75		25 - 150
13C2 PFTeDA	81		25 - 150
13C3 PFBS	85		25 - 150
18O2 PFHxS	79		25 - 150
13C4 PFOS	73		25 - 150
13C8 FOSA	77		10 - 150
d3-NMeFOSAA	72		25 - 150
d5-NEtFOSAA	71		25 - 150
d-N-MeFOSA-M	66		10 - 150
d-N-EtFOSA-M	66		10 - 150
d7-N-MeFOSE-M	67		10 - 150
d9-N-EtFOSE-M	65		10 - 150
M2-4:2 FTS	81		25 - 150
M2-6:2 FTS	86		25 - 150
M2-8:2 FTS	85		25 - 150
13C3 HFPO-DA	74		25 - 150
13C2 10:2 FTS	87		25 - 150

# QC Sample Results

Client: TRC Environmental Corporation  
Project/Site: RockGen

Job ID: 320-75698-1

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

**Lab Sample ID: LCSD 320-503945/3-A**

**Matrix: Water**

**Analysis Batch: 504043**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 503945**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	37.1		ng/L		93	60 - 135	3	30
Perfluoropentanoic acid (PFPeA)	40.0	49.1		ng/L		123	60 - 135	6	30
Perfluorohexanoic acid (PFHxA)	40.0	38.0		ng/L		95	60 - 135	1	30
Perfluoroheptanoic acid (PFHpA)	40.0	36.1		ng/L		90	60 - 135	6	30
Perfluorooctanoic acid (PFOA)	40.0	40.0		ng/L		100	60 - 135	7	30
Perfluorononanoic acid (PFNA)	40.0	36.8		ng/L		92	60 - 135	3	30
Perfluorodecanoic acid (PFDA)	40.0	37.4		ng/L		93	60 - 135	6	30
Perfluoroundecanoic acid (PFUnA)	40.0	43.3		ng/L		108	60 - 135	16	30
Perfluorododecanoic acid (PFDoA)	40.0	44.2		ng/L		111	60 - 135	7	30
Perfluorotridecanoic acid (PFTTrDA)	40.0	41.4		ng/L		103	60 - 135	6	30
Perfluorotetradecanoic acid (PFTeA)	40.0	37.7		ng/L		94	60 - 135	4	30
Perfluorobutanesulfonic acid (PFBS)	35.4	29.6		ng/L		84	60 - 135	2	30
Perfluoropentanesulfonic acid (PFPeS)	37.5	31.5		ng/L		84	60 - 135	1	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.3		ng/L		94	60 - 135	4	30
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	39.3		ng/L		103	60 - 135	0	30
Perfluorooctanesulfonic acid (PFOS)	37.1	38.7		ng/L		104	60 - 135	3	30
Perfluorononanesulfonic acid (PFNS)	38.4	36.4		ng/L		95	60 - 135	3	30
Perfluorodecanesulfonic acid (PFDS)	38.6	38.0		ng/L		99	60 - 135	3	30
Perfluorododecanesulfonic acid (PFDoS)	38.7	38.9		ng/L		101	60 - 135	2	30
Perfluorooctanesulfonamide (FOSA)	40.0	38.4		ng/L		96	60 - 135	2	30
NEtFOSA	40.0	40.0		ng/L		100	60 - 135	6	30
NMeFOSA	40.0	39.0		ng/L		97	60 - 135	5	30
NMeFOSAA	40.0	38.4		ng/L		96	60 - 135	3	30
NEtFOSAA	40.0	38.7		ng/L		97	60 - 135	1	30
NMeFOSE	40.0	37.5		ng/L		94	60 - 135	6	30
NEtFOSE	40.0	40.5		ng/L		101	60 - 135	3	30
4:2 FTS	37.4	38.1		ng/L		102	60 - 135	9	30
6:2 FTS	37.9	35.3		ng/L		93	60 - 135	8	30
8:2 FTS	38.3	38.2		ng/L		100	60 - 135	2	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	37.6		ng/L		100	60 - 135	3	30
HFPO-DA (GenX)	40.0	37.1		ng/L		93	60 - 135	6	30
9CI-PF3ONS	37.3	37.9		ng/L		102	60 - 135	2	30
11CI-PF3OUdS	37.7	39.4		ng/L		105	60 - 135	4	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	54		25 - 150
13C5 PFPeA	40		25 - 150
13C2 PFHxA	52		25 - 150

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# QC Sample Results

Client: TRC Environmental Corporation  
 Project/Site: RockGen

Job ID: 320-75698-1

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

Lab Sample ID: LCSD 320-503945/3-A  
 Matrix: Water  
 Analysis Batch: 504043

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 503945

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFHpA	60		25 - 150
13C4 PFOA	56		25 - 150
13C5 PFNA	59		25 - 150
13C2 PFDA	54		25 - 150
13C2 PFUnA	56		25 - 150
13C2 PFDoA	55		25 - 150
13C2 PFTeDA	59		25 - 150
13C3 PFBS	64		25 - 150
18O2 PFHxS	57		25 - 150
13C4 PFOS	53		25 - 150
13C8 FOSA	56		10 - 150
d3-NMeFOSAA	53		25 - 150
d5-NEtFOSAA	56		25 - 150
d-N-MeFOSA-M	47		10 - 150
d-N-EtFOSA-M	47		10 - 150
d7-N-MeFOSE-M	55		10 - 150
d9-N-EtFOSE-M	50		10 - 150
M2-4:2 FTS	63		25 - 150
M2-6:2 FTS	64		25 - 150
M2-8:2 FTS	62		25 - 150
13C3 HFPO-DA	55		25 - 150
13C2 10:2 FTS	67		25 - 150

# QC Association Summary

Client: TRC Environmental Corporation  
Project/Site: RockGen

Job ID: 320-75698-1

## LCMS

### Prep Batch: 503945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-75698-1	PZ-01-20210701	Total/NA	Water	3535	
320-75698-2	FB-05-20210701	Total/NA	Water	3535	
MB 320-503945/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-503945/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-503945/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

### Analysis Batch: 504043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-75698-1	PZ-01-20210701	Total/NA	Water	537 (modified)	503945
320-75698-2	FB-05-20210701	Total/NA	Water	537 (modified)	503945
MB 320-503945/1-A	Method Blank	Total/NA	Water	537 (modified)	503945
LCS 320-503945/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	503945
LCSD 320-503945/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	503945



# Lab Chronicle

Client: TRC Environmental Corporation  
Project/Site: RockGen

Job ID: 320-75698-1

**Client Sample ID: PZ-01-20210701**

**Lab Sample ID: 320-75698-1**

**Date Collected: 07/01/21 13:04**

**Matrix: Water**

**Date Received: 07/02/21 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			308 mL	10.0 mL	503945	07/02/21 15:03	LN	TAL SAC
Total/NA	Analysis	537 (modified)		1			504043	07/03/21 17:40	D1R	TAL SAC

**Client Sample ID: FB-05-20210701**

**Lab Sample ID: 320-75698-2**

**Date Collected: 07/01/21 13:10**

**Matrix: Water**

**Date Received: 07/02/21 09:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			300.4 mL	10.0 mL	503945	07/02/21 15:03	LN	TAL SAC
Total/NA	Analysis	537 (modified)		1			504043	07/03/21 17:49	D1R	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: RockGen

Job ID: 320-75698-1

## Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-21
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-21
Georgia	State	4040	01-29-22
Hawaii	State	<cert No.>	01-29-22
Illinois	NELAP	200060	03-18-22
Kansas	NELAP	E-10375	10-31-21
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA000442021-2	07-31-21
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-30-23
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-21
USDA	US Federal Programs	P330-18-00239	07-31-21
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-21
Wyoming	State Program	8TMS-L	01-28-19 *

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

# Method Summary

Client: TRC Environmental Corporation  
Project/Site: RockGen

Job ID: 320-75698-1

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

**Protocol References:**

EPA = US Environmental Protection Agency

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

**Laboratory References:**

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



# Sample Summary

Client: TRC Environmental Corporation  
Project/Site: RockGen

Job ID: 320-75698-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-75698-1	PZ-01-20210701	Water	07/01/21 13:04	07/02/21 09:30	
320-75698-2	FB-05-20210701	Water	07/01/21 13:10	07/02/21 09:30	

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Address: \_\_\_\_\_

Regulatory Program:  DW  NPDES  RCRA  Other: \_\_\_\_\_

Project Manager: Jeff Ramey Site Contact: Jeff Ramey Date: 7/1/21 COC No. \_\_\_\_\_

Tel/Email: jeff@trc.com Lab Contact: \_\_\_\_\_ Carrier: FedEx

Company Name: TRC Env. Sampler: Wesley Braga

Address: 708 Hexta hrd Tr. Ste 3000 For Lab Use Only:

City/State/Zip: Madison, WI 53717 Walk-in Client: \_\_\_\_\_

Phone: 608-234-7374 Lab Sampling: \_\_\_\_\_

Fax: \_\_\_\_\_ Job / SDG No.: \_\_\_\_\_

Project Name: Rock Gen

Site: Rock Gen - Camb ridge

PO# Contact Jeff Ramey

Analysis Turnaround Time

CALENDAR DAYS  WORKING DAYS

TAT if different from Below \_\_\_\_\_

2 weeks

1 week

2 days

1 day

Sample Date

Sample Time

Sample Type (C=Comp, G=Grab)

Matrix

# of Cont.

Filtered Sample (Y/N)

Perform MS/MSD (Y/N)

Sample Specific Notes:

PZ-01-20210701

FB-05-20210701

GN

GN

2

2

Y

Y

RFAS PFC-IDA-151

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X



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

Possible Hazard Identification: \_\_\_\_\_

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the

Comments Section if the lab is to dispose of the sample.

Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Special Instructions/QC Requirements & Comments:

Custody Seal No.: 156960, 156961 Cooler Temp. (°C): Obs'd: 3.0 Corr'd: 3.0 Therm ID No.: 5-05

Relinquished by: Wesley Braga Received by: ETASA Company: ETASA Date/Time: 7-2-21 / 09:30

Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_ Company: \_\_\_\_\_ Date/Time: \_\_\_\_\_



# Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 320-75698-1

**Login Number: 75698**

**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	1509661
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	