



ANALYTICAL REPORT

PREPARED FOR

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

Generated 3/21/2024 4:31:38 PM

JOB DESCRIPTION

RockGen Energy Center 451482

JOB NUMBER

500-247589-1

Eurofins Chicago

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing North Central, LLC and its client. All questions regarding this report should be directed to the Eurofins Environment Testing North Central, LLC Project Manager who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Chicago Project Manager.

Compliance Statement

The LOD and LOQ reported are adjusted by the dilution factor when a dilution factor greater than 1 is needed. Additionally, where results are indicated as being reported on a dry weight basis, the LOD and LOQ are adjusted for moisture content as well.

Definitions of Limits

- LOD = Limit of Detection = MDL as defined by 40 CFR part 136 Appendix B
- LOQ = Limit of Quantitation = 3.33 x LOD as defined by Wisconsin
- RL = Report Limit = a concentration supported by a standard in the calibration curves

Authorization



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Authorized for release by
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Case Narrative

Client: TRC Environmental Corporation
Project: RockGen Energy Center 451482

Job ID: 500-247589-1

Job ID: 500-247589-1

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Job Narrative 500-247589-1

Receipt

The sample was received on 3/15/2024 2:00 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0° C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The COC was not relinquished.

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 320-748243.

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

Detection Summary

Client: TRC Environmental Corporation
Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

Client Sample ID: SW-01-202403

Lab Sample ID: 500-247589-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	2.1		1.7	0.41	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.7		1.7	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.9		1.7	0.71	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.29	J	1.7	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.74	J	1.7	0.45	ng/L	1		537 (modified)	Total/NA
8:2 FTS	4.1		1.7	0.38	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: TRC Environmental Corporation
Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

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

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

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- 2
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- 5
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- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Sample Summary

Client: TRC Environmental Corporation
Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
500-247589-1	SW-01-202403	Water	03/14/24 13:45	03/15/24 14:00

1

2

3

4

5

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9

10

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12

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14

15

Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

Client Sample ID: SW-01-202403

Lab Sample ID: 500-247589-1

Date Collected: 03/14/24 13:45

Matrix: Water

Date Received: 03/15/24 14:00

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.0		4.2	2.0	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluoropentanoic acid (PFPeA)	2.1		1.7	0.41	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluorohexanoic acid (PFHxA)	<0.48		1.7	0.48	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluoroheptanoic acid (PFHpA)	1.7		1.7	0.21	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluorooctanoic acid (PFOA)	1.9		1.7	0.71	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluorononanoic acid (PFNA)	<0.22		1.7	0.22	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluorodecanoic acid (PFDA)	0.29 J		1.7	0.26	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluoroundecanoic acid (PFUnA)	<0.91		1.7	0.91	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluorododecanoic acid (PFDoA)	<0.46		1.7	0.46	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluorotetradecanoic acid (PFTeA)	<0.61		1.7	0.61	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluoropentanesulfonic acid (PFPeS)	<0.25		1.7	0.25	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluorohexanesulfonic acid (PFHxS)	<0.47		1.7	0.47	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.16		1.7	0.16	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluorooctanesulfonic acid (PFOS)	0.74 J		1.7	0.45	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluorononanesulfonic acid (PFNS)	<0.31		1.7	0.31	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluorodecanesulfonic acid (PFDS)	<0.27		1.7	0.27	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluorododecanesulfonic acid (PFDoS)	<0.81		1.7	0.81	ng/L		03/18/24 13:00	03/19/24 19:31	1
Perfluorooctanesulfonamide (FOSA)	<0.81		1.7	0.81	ng/L		03/18/24 13:00	03/19/24 19:31	1
NEtFOSA	<0.72		1.7	0.72	ng/L		03/18/24 13:00	03/19/24 19:31	1
NMeFOSA	<0.36		1.7	0.36	ng/L		03/18/24 13:00	03/19/24 19:31	1
NMeFOSAA	<1.0		4.2	1.0	ng/L		03/18/24 13:00	03/19/24 19:31	1
NEtFOSAA	<1.1		4.2	1.1	ng/L		03/18/24 13:00	03/19/24 19:31	1
NMeFOSE	<1.2		3.3	1.2	ng/L		03/18/24 13:00	03/19/24 19:31	1
NEtFOSE	<0.71		1.7	0.71	ng/L		03/18/24 13:00	03/19/24 19:31	1
4:2 FTS	<0.20		1.7	0.20	ng/L		03/18/24 13:00	03/19/24 19:31	1
6:2 FTS	<2.1		4.2	2.1	ng/L		03/18/24 13:00	03/19/24 19:31	1
8:2 FTS	4.1		1.7	0.38	ng/L		03/18/24 13:00	03/19/24 19:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.33		1.7	0.33	ng/L		03/18/24 13:00	03/19/24 19:31	1
HFPO-DA (GenX)	<1.2		3.3	1.2	ng/L		03/18/24 13:00	03/19/24 19:31	1
9Cl-PF3ONS	<0.20		1.7	0.20	ng/L		03/18/24 13:00	03/19/24 19:31	1
11Cl-PF3OUdS	<0.27		1.7	0.27	ng/L		03/18/24 13:00	03/19/24 19:31	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	107		25 - 150	03/18/24 13:00	03/19/24 19:31	1
13C5 PFPeA	98		25 - 150	03/18/24 13:00	03/19/24 19:31	1
13C2 PFHxA	105		25 - 150	03/18/24 13:00	03/19/24 19:31	1
13C4 PFHpA	99		25 - 150	03/18/24 13:00	03/19/24 19:31	1
13C4 PFOA	97		25 - 150	03/18/24 13:00	03/19/24 19:31	1
13C5 PFNA	95		25 - 150	03/18/24 13:00	03/19/24 19:31	1
13C2 PFDA	99		25 - 150	03/18/24 13:00	03/19/24 19:31	1
13C2 PFUnA	87		25 - 150	03/18/24 13:00	03/19/24 19:31	1
13C2 PFDoA	83		25 - 150	03/18/24 13:00	03/19/24 19:31	1
13C2 PFTeDA	70		25 - 150	03/18/24 13:00	03/19/24 19:31	1
13C3 PFBS	97		25 - 150	03/18/24 13:00	03/19/24 19:31	1

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Client Sample Results

Client: TRC Environmental Corporation
Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

Client Sample ID: SW-01-202403

Lab Sample ID: 500-247589-1

Date Collected: 03/14/24 13:45

Matrix: Water

Date Received: 03/15/24 14:00

Method: EPA 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	92		25 - 150	03/18/24 13:00	03/19/24 19:31	1
13C4 PFOS	86		25 - 150	03/18/24 13:00	03/19/24 19:31	1
13C8 FOSA	91		10 - 150	03/18/24 13:00	03/19/24 19:31	1
d3-NMeFOSAA	91		25 - 150	03/18/24 13:00	03/19/24 19:31	1
d5-NEtFOSAA	96		25 - 150	03/18/24 13:00	03/19/24 19:31	1
d-N-MeFOSA-M	82		10 - 150	03/18/24 13:00	03/19/24 19:31	1
d-N-EtFOSA-M	80		10 - 150	03/18/24 13:00	03/19/24 19:31	1
d7-N-MeFOSE-M	61		10 - 150	03/18/24 13:00	03/19/24 19:31	1
d9-N-EtFOSE-M	59		10 - 150	03/18/24 13:00	03/19/24 19:31	1
M2-4:2 FTS	116		25 - 150	03/18/24 13:00	03/19/24 19:31	1
M2-6:2 FTS	114		25 - 150	03/18/24 13:00	03/19/24 19:31	1
M2-8:2 FTS	94		25 - 150	03/18/24 13:00	03/19/24 19:31	1
13C3 HFPO-DA	98		25 - 150	03/18/24 13:00	03/19/24 19:31	1

Definitions/Glossary

Client: TRC Environmental Corporation
Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

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

QC Association Summary

Client: TRC Environmental Corporation
Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

LCMS

Prep Batch: 748243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-247589-1	SW-01-202403	Total/NA	Water	3535	
MB 320-748243/1-A	Method Blank	Total/NA	Water	3535	
LLCS 320-748243/2-A	Lab Control Sample	Total/NA	Water	3535	
LLCSD 320-748243/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 748491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-247589-1	SW-01-202403	Total/NA	Water	537 (modified)	748243
MB 320-748243/1-A	Method Blank	Total/NA	Water	537 (modified)	748243
LLCS 320-748243/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	748243
LLCSD 320-748243/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	748243

QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-748243/1-A
Matrix: Water
Analysis Batch: 748491

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 748243

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		03/18/24 13:00	03/19/24 17:14	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		03/18/24 13:00	03/19/24 17:14	1
NEtFOSA	<0.87		2.0	0.87	ng/L		03/18/24 13:00	03/19/24 17:14	1
NMeFOSA	<0.43		2.0	0.43	ng/L		03/18/24 13:00	03/19/24 17:14	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		03/18/24 13:00	03/19/24 17:14	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		03/18/24 13:00	03/19/24 17:14	1
NMeFOSE	<1.4		4.0	1.4	ng/L		03/18/24 13:00	03/19/24 17:14	1
NEtFOSE	<0.85		2.0	0.85	ng/L		03/18/24 13:00	03/19/24 17:14	1
4:2 FTS	<0.24		2.0	0.24	ng/L		03/18/24 13:00	03/19/24 17:14	1
6:2 FTS	<2.5		5.0	2.5	ng/L		03/18/24 13:00	03/19/24 17:14	1
8:2 FTS	<0.46		2.0	0.46	ng/L		03/18/24 13:00	03/19/24 17:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		03/18/24 13:00	03/19/24 17:14	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		03/18/24 13:00	03/19/24 17:14	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		03/18/24 13:00	03/19/24 17:14	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		03/18/24 13:00	03/19/24 17:14	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	105		25 - 150	03/18/24 13:00	03/19/24 17:14	1
13C5 PFPeA	98		25 - 150	03/18/24 13:00	03/19/24 17:14	1
13C2 PFHxA	97		25 - 150	03/18/24 13:00	03/19/24 17:14	1
13C4 PFHpA	107		25 - 150	03/18/24 13:00	03/19/24 17:14	1
13C4 PFOA	96		25 - 150	03/18/24 13:00	03/19/24 17:14	1
13C5 PFNA	89		25 - 150	03/18/24 13:00	03/19/24 17:14	1
13C2 PFDA	95		25 - 150	03/18/24 13:00	03/19/24 17:14	1
13C2 PFUnA	87		25 - 150	03/18/24 13:00	03/19/24 17:14	1
13C2 PFDoA	85		25 - 150	03/18/24 13:00	03/19/24 17:14	1
13C2 PFTeDA	74		25 - 150	03/18/24 13:00	03/19/24 17:14	1

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

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

Lab Sample ID: MB 320-748243/1-A
Matrix: Water
Analysis Batch: 748491

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 748243

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	93		25 - 150	03/18/24 13:00	03/19/24 17:14	1
18O2 PFHxS	90		25 - 150	03/18/24 13:00	03/19/24 17:14	1
13C4 PFOS	88		25 - 150	03/18/24 13:00	03/19/24 17:14	1
13C8 FOSA	85		10 - 150	03/18/24 13:00	03/19/24 17:14	1
d3-NMeFOSAA	92		25 - 150	03/18/24 13:00	03/19/24 17:14	1
d5-NEtFOSAA	88		25 - 150	03/18/24 13:00	03/19/24 17:14	1
d-N-MeFOSA-M	71		10 - 150	03/18/24 13:00	03/19/24 17:14	1
d-N-EtFOSA-M	68		10 - 150	03/18/24 13:00	03/19/24 17:14	1
d7-N-MeFOSE-M	64		10 - 150	03/18/24 13:00	03/19/24 17:14	1
d9-N-EtFOSE-M	61		10 - 150	03/18/24 13:00	03/19/24 17:14	1
M2-4:2 FTS	131		25 - 150	03/18/24 13:00	03/19/24 17:14	1
M2-6:2 FTS	109		25 - 150	03/18/24 13:00	03/19/24 17:14	1
M2-8:2 FTS	90		25 - 150	03/18/24 13:00	03/19/24 17:14	1
13C3 HFPO-DA	93		25 - 150	03/18/24 13:00	03/19/24 17:14	1

Lab Sample ID: LLCS 320-748243/2-A
Matrix: Water
Analysis Batch: 748491

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 748243

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec
							Limits
Perfluorobutanoic acid (PFBA)	8.00	8.03		ng/L		100	50 - 150
Perfluoropentanoic acid (PFPeA)	8.00	8.30		ng/L		104	50 - 150
Perfluorohexanoic acid (PFHxA)	8.00	8.10		ng/L		101	50 - 150
Perfluoroheptanoic acid (PFHpA)	8.00	7.81		ng/L		98	50 - 150
Perfluorooctanoic acid (PFOA)	8.00	7.92		ng/L		99	50 - 150
Perfluorononanoic acid (PFNA)	8.00	7.67		ng/L		96	50 - 150
Perfluorodecanoic acid (PFDA)	8.00	7.89		ng/L		99	50 - 150
Perfluoroundecanoic acid (PFUnA)	8.00	8.99		ng/L		112	50 - 150
Perfluorododecanoic acid (PFDoA)	8.00	7.90		ng/L		99	50 - 150
Perfluorotridecanoic acid (PFTrDA)	8.00	7.89		ng/L		99	50 - 150
Perfluorotetradecanoic acid (PFTeA)	8.00	8.59		ng/L		107	50 - 150
Perfluorobutanesulfonic acid (PFBS)	7.10	7.28		ng/L		102	50 - 150
Perfluoropentanesulfonic acid (PFPeS)	7.52	8.33		ng/L		111	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.46		ng/L		102	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	7.63	7.71		ng/L		101	50 - 150
Perfluorooctanesulfonic acid (PFOS)	7.44	7.23		ng/L		97	50 - 150
Perfluorononanesulfonic acid (PFNS)	7.70	7.19		ng/L		93	50 - 150
Perfluorodecanesulfonic acid (PFDS)	7.71	7.52		ng/L		98	50 - 150
Perfluorododecanesulfonic acid (PFDoS)	7.76	7.31		ng/L		94	50 - 150

Eurofins Chicago

QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

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

Lab Sample ID: LLCS 320-748243/2-A
Matrix: Water
Analysis Batch: 748491

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 748243

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (FOSA)	8.00	7.85		ng/L		98	50 - 150
NEtFOSA	8.00	7.93		ng/L		99	50 - 150
NMeFOSA	8.00	7.39		ng/L		92	50 - 150
NMeFOSAA	8.00	8.08		ng/L		101	50 - 150
NEtFOSAA	8.00	7.91		ng/L		99	50 - 150
NMeFOSE	8.00	8.32		ng/L		104	50 - 150
NEtFOSE	8.00	7.93		ng/L		99	50 - 150
4:2 FTS	7.50	8.79		ng/L		117	50 - 150
6:2 FTS	7.62	9.45		ng/L		124	50 - 150
8:2 FTS	7.68	9.25		ng/L		120	50 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	8.80		ng/L		116	50 - 150
HFPO-DA (GenX)	8.00	7.88		ng/L		98	50 - 150
9Cl-PF3ONS	7.47	7.97		ng/L		107	50 - 150
11Cl-PF3OUdS	7.55	7.60		ng/L		101	50 - 150

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFBA	113		25 - 150
13C5 PFPeA	110		25 - 150
13C2 PFHxA	106		25 - 150
13C4 PFHpA	107		25 - 150
13C4 PFOA	103		25 - 150
13C5 PFNA	105		25 - 150
13C2 PFDA	108		25 - 150
13C2 PFUnA	93		25 - 150
13C2 PFDoA	92		25 - 150
13C2 PFTeDA	84		25 - 150
13C3 PFBS	99		25 - 150
18O2 PFHxS	98		25 - 150
13C4 PFOS	97		25 - 150
13C8 FOSA	98		10 - 150
d3-NMeFOSAA	86		25 - 150
d5-NEtFOSAA	97		25 - 150
d-N-MeFOSA-M	81		10 - 150
d-N-EtFOSA-M	84		10 - 150
d7-N-MeFOSE-M	73		10 - 150
d9-N-EtFOSE-M	75		10 - 150
M2-4:2 FTS	117		25 - 150
M2-6:2 FTS	110		25 - 150
M2-8:2 FTS	97		25 - 150
13C3 HFPO-DA	101		25 - 150

Lab Sample ID: LLCSD 320-748243/3-A
Matrix: Water
Analysis Batch: 748491

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 748243

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	8.00	8.80		ng/L		110	50 - 150	9	30

Eurofins Chicago

QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

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

Lab Sample ID: LLCSD 320-748243/3-A
Matrix: Water
Analysis Batch: 748491

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 748243

Analyte	Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoropentanoic acid (PFPeA)	8.00	9.26		ng/L		116	50 - 150	11	30
Perfluorohexanoic acid (PFHxA)	8.00	8.29		ng/L		104	50 - 150	2	30
Perfluoroheptanoic acid (PFHpA)	8.00	8.92		ng/L		111	50 - 150	13	30
Perfluorooctanoic acid (PFOA)	8.00	8.27		ng/L		103	50 - 150	4	30
Perfluorononanoic acid (PFNA)	8.00	8.57		ng/L		107	50 - 150	11	30
Perfluorodecanoic acid (PFDA)	8.00	8.91		ng/L		111	50 - 150	12	30
Perfluoroundecanoic acid (PFUnA)	8.00	9.26		ng/L		116	50 - 150	3	30
Perfluorododecanoic acid (PFDoA)	8.00	8.10		ng/L		101	50 - 150	3	30
Perfluorotridecanoic acid (PFTrDA)	8.00	7.74		ng/L		97	50 - 150	2	30
Perfluorotetradecanoic acid (PFTeA)	8.00	7.88		ng/L		99	50 - 150	9	30
Perfluorobutanesulfonic acid (PFBS)	7.10	7.33		ng/L		103	50 - 150	0.7	30
Perfluoropentanesulfonic acid (PFPeS)	7.52	8.17		ng/L		109	50 - 150	2	30
Perfluorohexanesulfonic acid (PFHxS)	7.30	7.80		ng/L		107	50 - 150	4	30
Perfluoroheptanesulfonic acid (PFHpS)	7.63	8.22		ng/L		108	50 - 150	6	30
Perfluorooctanesulfonic acid (PFOS)	7.44	7.60		ng/L		102	50 - 150	5	30
Perfluorononanesulfonic acid (PFNS)	7.70	7.48		ng/L		97	50 - 150	4	30
Perfluorodecanesulfonic acid (PFDS)	7.71	7.29		ng/L		95	50 - 150	3	30
Perfluorododecanesulfonic acid (PFDoS)	7.76	7.03		ng/L		91	50 - 150	4	30
Perfluorooctanesulfonamide (FOSA)	8.00	8.49		ng/L		106	50 - 150	8	30
NEtFOSA	8.00	7.94		ng/L		99	50 - 150	0.1	30
NMeFOSA	8.00	7.68		ng/L		96	50 - 150	4	30
NMeFOSAA	8.00	7.44		ng/L		93	50 - 150	8	30
NEtFOSAA	8.00	7.74		ng/L		97	50 - 150	2	30
NMeFOSE	8.00	8.46		ng/L		106	50 - 150	2	30
NEtFOSE	8.00	8.30		ng/L		104	50 - 150	5	30
4:2 FTS	7.50	8.35		ng/L		111	50 - 150	5	30
6:2 FTS	7.62	8.51		ng/L		112	50 - 150	10	30
8:2 FTS	7.68	9.16		ng/L		119	50 - 150	1	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.57	9.57		ng/L		126	50 - 150	8	30
HFPO-DA (GenX)	8.00	8.37		ng/L		105	50 - 150	6	30
9Cl-PF3ONS	7.47	8.82		ng/L		118	50 - 150	10	30
11Cl-PF3OUdS	7.55	7.39		ng/L		98	50 - 150	3	30

Isotope Dilution	LLCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	104		25 - 150
13C5 PFPeA	96		25 - 150
13C2 PFHxA	104		25 - 150
13C4 PFHpA	95		25 - 150

QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

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

Lab Sample ID: LLCSD 320-748243/3-A
 Matrix: Water
 Analysis Batch: 748491

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 748243

Isotope Dilution	LLCSD LLCSD		Limits
	%Recovery	Qualifier	
13C4 PFOA	97		25 - 150
13C5 PFNA	89		25 - 150
13C2 PFDA	91		25 - 150
13C2 PFUnA	80		25 - 150
13C2 PFDoA	82		25 - 150
13C2 PFTeDA	81		25 - 150
13C3 PFBS	94		25 - 150
18O2 PFHxS	90		25 - 150
13C4 PFOS	86		25 - 150
13C8 FOSA	86		10 - 150
d3-NMeFOSAA	90		25 - 150
d5-NEtFOSAA	78		25 - 150
d-N-MeFOSA-M	75		10 - 150
d-N-EtFOSA-M	78		10 - 150
d7-N-MeFOSE-M	66		10 - 150
d9-N-EtFOSE-M	67		10 - 150
M2-4:2 FTS	130		25 - 150
M2-6:2 FTS	111		25 - 150
M2-8:2 FTS	87		25 - 150
13C3 HFPO-DA	95		25 - 150

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

Client Sample ID: SW-01-202403

Lab Sample ID: 500-247589-1

Date Collected: 03/14/24 13:45

Matrix: Water

Date Received: 03/15/24 14:00

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
Total/NA	Prep	3535			748243	MKC	EET SAC	03/18/24 13:00
Total/NA	Analysis	537 (modified)		1	748491	K1S	EET SAC	03/19/24 19:31

Laboratory References:

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
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Accreditation/Certification Summary

Client: TRC Environmental Corporation
Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

Laboratory: Eurofins Sacramento

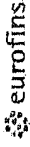
The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998204680	08-31-24


- 1
- 2
- 3
- 4
- 5
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- 8
- 9
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- 11
- 12
- 13
- 14
- 15

Eurofins Sacramento
 880 Riverside Parkway
 West Sacramento, CA 95605
 Phone 916-373-5600 Fax: 916-372-1059

Chain of Custody Record



Environment Testing

Client Information		Sampler: <i>Marsal Toife</i>		Lab P#: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-112114-48314.1			
Client Contact: Marshal Toife		Phone: <i>658-630-4732</i>		E-Mail: Sandra.Fredrick@eurofins.com	State of Origin: <i>WA</i>	Page: Page 1 of 1			
Company: TRC Environmental Corporation		PWSID:		Analysis Requested Total Number of Containers: <i>1</i>					
Address: 999 Fourier Drive, Suite 101		Due Date Requested:							
City: Madison		IAT Requested (days): <i>5 day</i>							
State, Zip: WI, 53717		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Phone: <i>658-630-4732</i>		Purchase Order Requested							
Email: <i>MTToife@trccompanies.com</i>		PO #: <i>50021391</i>		Preservation Codes: A - HCL M - Hexane N - None B - NaOH O - AshtO2 C - Zn Acetate P - Na2O4S D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid T - TSP Dodecahydrate U - Acetone J - DI Water V - MCAA W - pH 4.5 K - EDTA L - EDA Y - Trizma Z - other (specify) Other:					
Project Name: RockGen Energy Center		Project #: <i>50021391</i>							
Site:		SSOW#: <i>50021391</i>							
Sample Identification		Sample Date: <i>7/14</i>					Special Instructions/Note: Total Number of Containers: <i>1</i>		
<i>50021391-202403</i>		Sample Time: <i>3:45</i>							
		Sample Type (C=comp, G=grab): <i>G</i>							
		Matrix (W=water, S=solid, O=oil, B=gas, A=air): <i>Water</i>							
		Preservation Code: <i>W</i>							
Possible Hazard Identification		Sample Date Requested		 500-247589 Chain of Custody					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Due Date Requested							
Deliverable Requested: I, II, III, IV, Other (specify)		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Empty Kit Relinquished by		Purchase Order Requested							
Relinquished by		Project #: <i>50021391</i>							
Relinquished by		Site: <i>50021391</i>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:					
Relinquished by		SSOW#: <i>50021391</i>							
Custody Seals Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Project Name: RockGen Energy Center							
Custody Seal No.		Site:							
		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Email: <i>MTToife@trccompanies.com</i>							
Relinquished by		Project #: <i>50021391</i>							
Relinquished by		Site: <i>50021391</i>							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
Relinquished by		SSOW#: <i>50021391</i>		Method of Shipment: Date/Time: <i>03/15/24 1400</i> Received by: <i>S. Marsal Toife</i> Company: <i>TRC</i>					
Relinquished by		Project Name: RockGen Energy Center							
Relinquished by		Site:							
Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
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Relinquished by		State, Zip: WI, 53717							
Relinquished by		Phone: <i>658-630-4732</i>							
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Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 500-247589-1

Login Number: 247589

List Number: 1

Creator: Morazzini, Dominic S

List Source: Eurofins Sacramento

List Creation: 03/15/24 03:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0
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	

Isotope Dilution Summary

Client: TRC Environmental Corporation
 Project/Site: RockGen Energy Center 451482

Job ID: 500-247589-1

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)
500-247589-1	SW-01-202403	107	98	105	99	97	95	99	87
LLCS 320-748243/2-A	Lab Control Sample	113	110	106	107	103	105	108	93
LLCSD 320-748243/3-A	Lab Control Sample Dup	104	96	104	95	97	89	91	80
MB 320-748243/1-A	Method Blank	105	98	97	107	96	89	95	87

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)
500-247589-1	SW-01-202403	83	70	97	92	86	91	91	96
LLCS 320-748243/2-A	Lab Control Sample	92	84	99	98	97	98	86	97
LLCSD 320-748243/3-A	Lab Control Sample Dup	82	81	94	90	86	86	90	78
MB 320-748243/1-A	Method Blank	85	74	93	90	88	85	92	88

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)
500-247589-1	SW-01-202403	82	80	61	59	116	114	94	98
LLCS 320-748243/2-A	Lab Control Sample	81	84	73	75	117	110	97	101
LLCSD 320-748243/3-A	Lab Control Sample Dup	75	78	66	67	130	111	87	95
MB 320-748243/1-A	Method Blank	71	68	64	61	131	109	90	93

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
- 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