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ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
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Tel: (916)373-5600

Laboratory Job ID: 320-76566-1
Client Project/Site: 437865 RockGen

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

Attn: Jeff Ramey

Authorized for release by:
7/28/2021 2:57:17 PM

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Definitions/Glossary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-76566-1

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.
¤	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

Job ID: 320-76566-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-76566-1

Receipt
The samples were received on 7/22/2021 9:40 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 1.0º C.

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

Organic Prep
Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-510521.

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: 437865 RockGen

Job ID: 320-76566-1

Client Sample ID: 2304 CARPENTER SWAIN - 20210721 — Lab Sample ID: 320-76566-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.83	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA

Client Sample ID: FB-20210721 — Lab Sample ID: 320-76566-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-76566-1

Client Sample ID: 2304 CARPENTER SWAIN - 20210721
Date Collected: 07/21/21 10:28
Date Received: 07/22/21 09:40

Lab Sample ID: 320-76566-1
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluorobutanesulfonic acid (PFBS)	**0.83**	**J**	1.9	0.19	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluorooctanesulfonic acid (PFOS)	<0.52		1.9	0.52	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		07/27/21 05:13	07/28/21 03:05	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		07/27/21 05:13	07/28/21 03:05	1
NEtFOSA	<0.83		1.9	0.83	ng/L		07/27/21 05:13	07/28/21 03:05	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/27/21 05:13	07/28/21 03:05	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		07/27/21 05:13	07/28/21 03:05	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		07/27/21 05:13	07/28/21 03:05	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/27/21 05:13	07/28/21 03:05	1
NEtFOSE	<0.81		1.9	0.81	ng/L		07/27/21 05:13	07/28/21 03:05	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/27/21 05:13	07/28/21 03:05	1
6:2 FTS	<2.4		4.8	2.4	ng/L		07/27/21 05:13	07/28/21 03:05	1
8:2 FTS	<0.44		1.9	0.44	ng/L		07/27/21 05:13	07/28/21 03:05	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		07/27/21 05:13	07/28/21 03:05	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/27/21 05:13	07/28/21 03:05	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		07/27/21 05:13	07/28/21 03:05	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		07/27/21 05:13	07/28/21 03:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*97*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
13C5 PFPeA	*100*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
13C2 PFHxA	*99*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
13C4 PFHpA	*101*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
13C4 PFOA	*103*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
13C5 PFNA	*99*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
13C2 PFDA	*91*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
13C2 PFUnA	*101*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
13C2 PFDoA	*103*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
13C2 PFTeDA	*86*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
13C3 PFBS	*92*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*

Client Sample ID: 2304 CARPENTER SWAIN - 20210721

Lab Sample ID: 320-76566-1

Date Collected: 07/21/21 10:28

Matrix: Water

Date Received: 07/22/21 09:40

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

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*97*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
13C4 PFOS	*99*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
13C8 FOSA	*105*		*10 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
d3-NMeFOSAA	*80*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
d5-NEtFOSAA	*84*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
d-N-MeFOSA-M	*78*		*10 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
d-N-EtFOSA-M	*76*		*10 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
d7-N-MeFOSE-M	*81*		*10 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
d9-N-EtFOSE-M	*77*		*10 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
M2-4:2 FTS	*99*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
M2-6:2 FTS	*111*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
M2-8:2 FTS	*107*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
13C3 HFPO-DA	*103*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*
13C2 10:2 FTS	*94*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:05*	*1*

Client Sample ID: FB-20210721

Lab Sample ID: 320-76566-2

Date Collected: 07/21/21 10:30

Matrix: Water

Date Received: 07/22/21 09:40

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.5		5.1	2.5	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluoropentanoic acid (PFPeA)	<0.50		2.0	0.50	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluorohexanoic acid (PFHxA)	<0.59		2.0	0.59	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluoroheptanoic acid (PFHpA)	<0.26		2.0	0.26	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluorooctanoic acid (PFOA)	<0.87		2.0	0.87	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluorononanoic acid (PFNA)	<0.28		2.0	0.28	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluorodecanoic acid (PFDA)	<0.32		2.0	0.32	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.75		2.0	0.75	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluoropentanesulfonic acid (PFPeS)	<0.31		2.0	0.31	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluorohexanesulfonic acid (PFHxS)	<0.58		2.0	0.58	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluorooctanesulfonic acid (PFOS)	<0.55		2.0	0.55	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.0	0.33	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluorododecanesulfonic acid (PFDoS)	<0.99		2.0	0.99	ng/L		07/27/21 05:13	07/28/21 03:14	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.0	1.0	ng/L		07/27/21 05:13	07/28/21 03:14	1
NEtFOSA	<0.89		2.0	0.89	ng/L		07/27/21 05:13	07/28/21 03:14	1
NMeFOSA	<0.44		2.0	0.44	ng/L		07/27/21 05:13	07/28/21 03:14	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		07/27/21 05:13	07/28/21 03:14	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		07/27/21 05:13	07/28/21 03:14	1
NMeFOSE	<1.4		4.1	1.4	ng/L		07/27/21 05:13	07/28/21 03:14	1
NEtFOSE	<0.87		2.0	0.87	ng/L		07/27/21 05:13	07/28/21 03:14	1
4:2 FTS	<0.25		2.0	0.25	ng/L		07/27/21 05:13	07/28/21 03:14	1

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-76566-1

Client Sample ID: FB-20210721
Date Collected: 07/21/21 10:30
Date Received: 07/22/21 09:40

Lab Sample ID: 320-76566-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	<2.6		5.1	2.6	ng/L		07/27/21 05:13	07/28/21 03:14	1
8:2 FTS	<0.47		2.0	0.47	ng/L		07/27/21 05:13	07/28/21 03:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		07/27/21 05:13	07/28/21 03:14	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		07/27/21 05:13	07/28/21 03:14	1
9Cl-PF3ONS	<0.25		2.0	0.25	ng/L		07/27/21 05:13	07/28/21 03:14	1
11Cl-PF3OUdS	<0.33		2.0	0.33	ng/L		07/27/21 05:13	07/28/21 03:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*99*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
13C5 PFPeA	*103*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
13C2 PFHxA	*99*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
13C4 PFHpA	*105*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
13C4 PFOA	*100*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
13C5 PFNA	*100*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
13C2 PFDA	*89*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
13C2 PFUnA	*101*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
13C2 PFDoA	*92*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
13C3 PFBS	*94*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
18O2 PFHxS	*100*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
13C4 PFOS	*103*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
13C8 FOSA	*106*		*10 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
d3-NMeFOSAA	*88*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
d5-NEtFOSAA	*86*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
d-N-MeFOSA-M	*78*		*10 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
d-N-EtFOSA-M	*84*		*10 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
d7-N-MeFOSE-M	*94*		*10 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
d9-N-EtFOSE-M	*82*		*10 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
M2-4:2 FTS	*105*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
M2-6:2 FTS	*113*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
M2-8:2 FTS	*104*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
13C3 HFPO-DA	*102*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*
13C2 10:2 FTS	*97*		*25 - 150*	*07/27/21 05:13*	*07/28/21 03:14*	*1*

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-76566-1

Method: 537 (modified) - Fluorinated Alkyl Substances

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	PFHxA	C4PFHA	PFOA	PFNA	PFDA	PFUnA
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
320-76566-1	2304 CARPENTER SWAIN - 20	97	100	99	101	103	99	91	101
320-76566-2	FB-20210721	99	103	99	105	100	100	89	101
LCS 320-510521/2-A	Lab Control Sample	96	102	99	97	103	99	90	98
LCSD 320-510521/3-A	Lab Control Sample Dup	89	93	92	92	95	94	89	99
MB 320-510521/1-A	Method Blank	92	95	92	96	96	96	87	104

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDoA	PFTDA	C3PFBS	PFHxS	PFOS	PFOSA	d3NMFOS	d5NEFOS
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(10-150)	(25-150)	(25-150)
320-76566-1	2304 CARPENTER SWAIN - 20	103	86	92	97	99	105	80	84
320-76566-2	FB-20210721	92	91	94	100	103	106	88	86
LCS 320-510521/2-A	Lab Control Sample	104	94	91	97	102	102	83	82
LCSD 320-510521/3-A	Lab Control Sample Dup	97	83	88	91	92	93	75	79
MB 320-510521/1-A	Method Blank	96	91	89	96	101	97	82	80

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		dMeFOSA	dEtFOSA	NMFM	NEFM	M242FTS	M262FTS	M282FTS	HFPODA
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-150)	(10-150)	(25-150)	(25-150)	(25-150)	(25-150)
320-76566-1	2304 CARPENTER SWAIN - 20	78	76	81	77	99	111	107	103
320-76566-2	FB-20210721	78	84	94	82	105	113	104	102
LCS 320-510521/2-A	Lab Control Sample	87	89	80	87	96	107	95	104
LCSD 320-510521/3-A	Lab Control Sample Dup	79	81	83	75	98	96	95	98
MB 320-510521/1-A	Method Blank	89	91	84	78	98	101	105	95

		Percent Isotope Dilution Recovery (Acceptance Limits)
		M102FTS
Lab Sample ID	Client Sample ID	(25-150)
320-76566-1	2304 CARPENTER SWAIN - 20	94
320-76566-2	FB-20210721	97
LCS 320-510521/2-A	Lab Control Sample	91
LCSD 320-510521/3-A	Lab Control Sample Dup	87
MB 320-510521/1-A	Method Blank	101

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

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-76566-1

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

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-510521/1-A
Matrix: Water
Analysis Batch: 510796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 510521

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/27/21 05:13	07/28/21 02:10	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/27/21 05:13	07/28/21 02:10	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/27/21 05:13	07/28/21 02:10	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/27/21 05:13	07/28/21 02:10	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/27/21 05:13	07/28/21 02:10	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/27/21 05:13	07/28/21 02:10	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/27/21 05:13	07/28/21 02:10	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/27/21 05:13	07/28/21 02:10	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/27/21 05:13	07/28/21 02:10	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/27/21 05:13	07/28/21 02:10	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/27/21 05:13	07/28/21 02:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/27/21 05:13	07/28/21 02:10	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/27/21 05:13	07/28/21 02:10	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/27/21 05:13	07/28/21 02:10	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/27/21 05:13	07/28/21 02:10	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92*		*25 - 150*	*07/27/21 05:13*	*07/28/21 02:10*	*1*
13C5 PFPeA	*95*		*25 - 150*	*07/27/21 05:13*	*07/28/21 02:10*	*1*
13C2 PFHxA	*92*		*25 - 150*	*07/27/21 05:13*	*07/28/21 02:10*	*1*
13C4 PFHpA	*96*		*25 - 150*	*07/27/21 05:13*	*07/28/21 02:10*	*1*
13C4 PFOA	*96*		*25 - 150*	*07/27/21 05:13*	*07/28/21 02:10*	*1*
13C5 PFNA	*96*		*25 - 150*	*07/27/21 05:13*	*07/28/21 02:10*	*1*
13C2 PFDA	*87*		*25 - 150*	*07/27/21 05:13*	*07/28/21 02:10*	*1*
13C2 PFUnA	*104*		*25 - 150*	*07/27/21 05:13*	*07/28/21 02:10*	*1*
13C2 PFDoA	*96*		*25 - 150*	*07/27/21 05:13*	*07/28/21 02:10*	*1*
13C2 PFTeDA	*91*		*25 - 150*	*07/27/21 05:13*	*07/28/21 02:10*	*1*

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

Lab Sample ID: MB 320-510521/1-A
Matrix: Water
Analysis Batch: 510796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 510521

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	89		25 - 150	07/27/21 05:13	07/28/21 02:10	1
18O2 PFHxS	96		25 - 150	07/27/21 05:13	07/28/21 02:10	1
13C4 PFOS	101		25 - 150	07/27/21 05:13	07/28/21 02:10	1
13C8 FOSA	97		10 - 150	07/27/21 05:13	07/28/21 02:10	1
d3-NMeFOSAA	82		25 - 150	07/27/21 05:13	07/28/21 02:10	1
d5-NEtFOSAA	80		25 - 150	07/27/21 05:13	07/28/21 02:10	1
d-N-MeFOSA-M	89		10 - 150	07/27/21 05:13	07/28/21 02:10	1
d-N-EtFOSA-M	91		10 - 150	07/27/21 05:13	07/28/21 02:10	1
d7-N-MeFOSE-M	84		10 - 150	07/27/21 05:13	07/28/21 02:10	1
d9-N-EtFOSE-M	78		10 - 150	07/27/21 05:13	07/28/21 02:10	1
M2-4:2 FTS	98		25 - 150	07/27/21 05:13	07/28/21 02:10	1
M2-6:2 FTS	101		25 - 150	07/27/21 05:13	07/28/21 02:10	1
M2-8:2 FTS	105		25 - 150	07/27/21 05:13	07/28/21 02:10	1
13C3 HFPO-DA	95		25 - 150	07/27/21 05:13	07/28/21 02:10	1
13C2 10:2 FTS	101		25 - 150	07/27/21 05:13	07/28/21 02:10	1

Lab Sample ID: LCS 320-510521/2-A
Matrix: Water
Analysis Batch: 510796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 510521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	39.4		ng/L		98	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	36.4		ng/L		91	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	37.1		ng/L		93	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	40.6		ng/L		101	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	37.9		ng/L		95	60 - 135
Perfluorononanoic acid (PFNA)	40.0	36.7		ng/L		92	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	42.2		ng/L		105	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	40.5		ng/L		101	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	40.4		ng/L		101	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	32.5		ng/L		81	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	41.4		ng/L		103	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	34.1		ng/L		97	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	35.6		ng/L		95	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.8		ng/L		98	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	35.8		ng/L		94	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	36.4		ng/L		98	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	34.4		ng/L		90	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	34.2		ng/L		89	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	36.1		ng/L		93	60 - 135

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

Lab Sample ID: LCS 320-510521/2-A
Matrix: Water
Analysis Batch: 510796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 510521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanesulfonamide (FOSA)	40.0	36.4		ng/L		91	60 - 135
NEtFOSA	40.0	40.2		ng/L		101	60 - 135
NMeFOSA	40.0	39.3		ng/L		98	60 - 135
NMeFOSAA	40.0	38.5		ng/L		96	60 - 135
NEtFOSAA	40.0	40.9		ng/L		102	60 - 135
NMeFOSE	40.0	41.7		ng/L		104	60 - 135
NEtFOSE	40.0	40.3		ng/L		101	60 - 135
4:2 FTS	37.4	38.1		ng/L		102	60 - 135
6:2 FTS	37.9	35.5		ng/L		94	60 - 135
8:2 FTS	38.3	40.6		ng/L		106	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	34.8		ng/L		92	60 - 135
HFPO-DA (GenX)	40.0	36.6		ng/L		92	60 - 135
9Cl-PF3ONS	37.3	33.6		ng/L		90	60 - 135
11Cl-PF3OUdS	37.7	35.0		ng/L		93	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*96*		*25 - 150*
13C5 PFPeA	*102*		*25 - 150*
13C2 PFHxA	*99*		*25 - 150*
13C4 PFHpA	*97*		*25 - 150*
13C4 PFOA	*103*		*25 - 150*
13C5 PFNA	*99*		*25 - 150*
13C2 PFDA	*90*		*25 - 150*
13C2 PFUnA	*98*		*25 - 150*
13C2 PFDoA	*104*		*25 - 150*
13C2 PFTeDA	*94*		*25 - 150*
13C3 PFBS	*91*		*25 - 150*
18O2 PFHxS	*97*		*25 - 150*
13C4 PFOS	*102*		*25 - 150*
13C8 FOSA	*102*		*10 - 150*
d3-NMeFOSAA	*83*		*25 - 150*
d5-NEtFOSAA	*82*		*25 - 150*
d-N-MeFOSA-M	*87*		*10 - 150*
d-N-EtFOSA-M	*89*		*10 - 150*
d7-N-MeFOSE-M	*80*		*10 - 150*
d9-N-EtFOSE-M	*87*		*10 - 150*
M2-4:2 FTS	*96*		*25 - 150*
M2-6:2 FTS	*107*		*25 - 150*
M2-8:2 FTS	*95*		*25 - 150*
13C3 HFPO-DA	*104*		*25 - 150*
13C2 10:2 FTS	*91*		*25 - 150*

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

Lab Sample ID: LCSD 320-510521/3-A
Matrix: Water
Analysis Batch: 510796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 510521

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	41.3		ng/L		103	60 - 135	5	30
Perfluoropentanoic acid (PFPeA)			40.0	38.1		ng/L		95	60 - 135	4	30
Perfluorohexanoic acid (PFHxA)			40.0	37.1		ng/L		93	60 - 135	0	30
Perfluoroheptanoic acid (PFHpA)			40.0	39.9		ng/L		100	60 - 135	2	30
Perfluorooctanoic acid (PFOA)			40.0	40.8		ng/L		102	60 - 135	8	30
Perfluorononanoic acid (PFNA)			40.0	39.6		ng/L		99	60 - 135	8	30
Perfluorodecanoic acid (PFDA)			40.0	43.2		ng/L		108	60 - 135	3	30
Perfluoroundecanoic acid (PFUnA)			40.0	40.5		ng/L		101	60 - 135	0	30
Perfluorododecanoic acid (PFDoA)			40.0	37.1		ng/L		93	60 - 135	9	30
Perfluorotridecanoic acid (PFTrDA)			40.0	37.9		ng/L		95	60 - 135	15	30
Perfluorotetradecanoic acid (PFTeA)			40.0	45.9		ng/L		115	60 - 135	10	30
Perfluorobutanesulfonic acid (PFBS)			35.4	36.6		ng/L		103	60 - 135	7	30
Perfluoropentanesulfonic acid (PFPeS)			37.5	35.9		ng/L		96	60 - 135	1	30
Perfluorohexanesulfonic acid (PFHxS)			36.4	35.4		ng/L		97	60 - 135	1	30
Perfluoroheptanesulfonic Acid (PFHpS)			38.1	40.8		ng/L		107	60 - 135	13	30
Perfluorooctanesulfonic acid (PFOS)			37.1	38.6		ng/L		104	60 - 135	6	30
Perfluorononanesulfonic acid (PFNS)			38.4	37.8		ng/L		98	60 - 135	9	30
Perfluorodecanesulfonic acid (PFDS)			38.6	36.9		ng/L		96	60 - 135	7	30
Perfluorododecanesulfonic acid (PFDoS)			38.7	38.0		ng/L		98	60 - 135	5	30
Perfluorooctanesulfonamide (FOSA)			40.0	38.4		ng/L		96	60 - 135	5	30
NEtFOSA			40.0	38.5		ng/L		96	60 - 135	4	30
NMeFOSA			40.0	39.5		ng/L		99	60 - 135	1	30
NMeFOSAA			40.0	39.8		ng/L		99	60 - 135	3	30
NEtFOSAA			40.0	39.9		ng/L		100	60 - 135	2	30
NMeFOSE			40.0	38.5		ng/L		96	60 - 135	8	30
NEtFOSE			40.0	40.8		ng/L		102	60 - 135	1	30
4:2 FTS			37.4	36.4		ng/L		97	60 - 135	5	30
6:2 FTS			37.9	35.9		ng/L		95	60 - 135	1	30
8:2 FTS			38.3	40.0		ng/L		104	60 - 135	2	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.7	38.6		ng/L		103	60 - 135	10	30
HFPO-DA (GenX)			40.0	37.7		ng/L		94	60 - 135	3	30
9Cl-PF3ONS			37.3	36.6		ng/L		98	60 - 135	9	30
11Cl-PF3OUdS			37.7	36.8		ng/L		98	60 - 135	5	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*89*		*25 - 150*
13C5 PFPeA	*93*		*25 - 150*
13C2 PFHxA	*92*		*25 - 150*

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

Lab Sample ID: LCSD 320-510521/3-A
Matrix: Water
Analysis Batch: 510796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 510521

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFHpA	92		25 - 150
13C4 PFOA	95		25 - 150
13C5 PFNA	94		25 - 150
13C2 PFDA	89		25 - 150
13C2 PFUnA	99		25 - 150
13C2 PFDoA	97		25 - 150
13C2 PFTeDA	83		25 - 150
13C3 PFBS	88		25 - 150
18O2 PFHxS	91		25 - 150
13C4 PFOS	92		25 - 150
13C8 FOSA	93		10 - 150
d3-NMeFOSAA	75		25 - 150
d5-NEtFOSAA	79		25 - 150
d-N-MeFOSA-M	79		10 - 150
d-N-EtFOSA-M	81		10 - 150
d7-N-MeFOSE-M	83		10 - 150
d9-N-EtFOSE-M	75		10 - 150
M2-4:2 FTS	98		25 - 150
M2-6:2 FTS	96		25 - 150
M2-8:2 FTS	95		25 - 150
13C3 HFPO-DA	98		25 - 150
13C2 10:2 FTS	87		25 - 150

QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-76566-1

LCMS

Prep Batch: 510521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-76566-1	2304 CARPENTER SWAIN - 20210721	Total/NA	Water	3535	
320-76566-2	FB-20210721	Total/NA	Water	3535	
MB 320-510521/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-510521/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-510521/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 510796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-76566-1	2304 CARPENTER SWAIN - 20210721	Total/NA	Water	537 (modified)	510521
320-76566-2	FB-20210721	Total/NA	Water	537 (modified)	510521
MB 320-510521/1-A	Method Blank	Total/NA	Water	537 (modified)	510521
LCS 320-510521/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	510521
LCSD 320-510521/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	510521

Lab Chronicle

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-76566-1

Client Sample ID: 2304 CARPENTER SWAIN - 20210721

Lab Sample ID: 320-76566-1

Date Collected: 07/21/21 10:28

Matrix: Water

Date Received: 07/22/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			262 mL	10.0 mL	510521	07/27/21 05:13	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			510796	07/28/21 03:05	JY1	TAL SAC

Client Sample ID: FB-20210721

Lab Sample ID: 320-76566-2

Date Collected: 07/21/21 10:30

Matrix: Water

Date Received: 07/22/21 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			244.7 mL	10.0 mL	510521	07/27/21 05:13	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			510796	07/28/21 03:14	JY1	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
Job ID: 320-76566-1
Project/Site: 437865 RockGen

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
Florida	NELAP	E87570	06-30-22
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: 437865 RockGen

Job ID: 320-76566-1

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: 437865 RockGen

Job ID: 320-76566-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-76566-1	2304 CARPENTER SWAIN - 20210721	Water	07/21/21 10:28	07/22/21 09:40
320-76566-2	FB-20210721	Water	07/21/21 10:30	07/22/21 09:40

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Lydia Auner	Lab PM: David Alltucker	Carrier Tracking No(s):	COC No: 320-39912-9757.1
Client Contact: Lydia Auner	Phone: (608) 977-1089	E-Mail: launer@trccompanies.com	State of Origin:	Page: Page 1 of 1
Company: TRC Environmental Corporation	PWSID:			Job #:
Address: 708 Heartland Trail Suite 3000	Due Date Requested:			
City: Madison	TAT Requested (days): 5 days			
State, Zip: WI, 53717	Compliance Project: Δ Yes Δ No			
Phone: (608) 977-1089	PO #:			
Email: launer@trccompanies.com	WO #:			
Project Name: RockGen 437865	Project #:			
Site: RockGen	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI -	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
2304 CARPENTER SWAIN - 20210721	7/21/21	10:28		Water			X		
FB01 - 20210721	7/21/21	10:30		Water			X		
				Water					

320-76566 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Lydia Auner	7/21/21 12:05	TRC		7-22-21 / 09:40	ETASAC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: (Yes) Δ No | Custody Seal No.: 1541803 | Cooler Temperature(s) °C and Other Remarks: 1.0

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 320-76566-1

Login Number: 76566
List Number: 1
Creator: Oropeza, Salvador

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1541803
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	