

ANALYTICAL REPORT

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Laboratory Job ID: 320-73544-2
Client Project/Site: 437865 RockGen

For:

TRC Environmental Corporation
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Authorized for release by:
5/24/2021 11:24:29 AM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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: 437865 RockGen

Job ID: 320-73544-2

Qualifiers

LCMS

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: 437865 RockGen

Job ID: 320-73544-2

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Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative 320-73544-2

Receipt

The samples were received on 5/12/2021 10:15 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 1.9° C.

LCMS

Method 537 (modified): The matrix spike duplicate (MSD) recovery for preparation batch 320-490837 and analytical batch 320-491277 was outside control limits for Perfluorooctanoic acid (PFOA). Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

General Chemistry

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

Organic Prep

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



Detection Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-73544-2

Client Sample ID: SB-23 (2-3.75)

Lab Sample ID: 320-73544-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.30		0.23	0.033	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.2		0.23	0.090	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.33		0.23	0.049	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.50		0.23	0.034	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.66		0.23	0.10	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.48		0.23	0.042	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.17	J	0.23	0.026	ug/Kg	1	✳	537 (modified)	Total/NA
6:2 FTS	0.29	J	2.3	0.17	ug/Kg	1	✳	537 (modified)	Total/NA
8:2 FTS	1.2	J	2.3	0.29	ug/Kg	1	✳	537 (modified)	Total/NA

Client Sample ID: SB-24 (2-4)

Lab Sample ID: 320-73544-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.33		0.24	0.034	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.4		0.24	0.094	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.35		0.24	0.051	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.55		0.24	0.035	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.73		0.24	0.10	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.48		0.24	0.044	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.20	J	0.24	0.027	ug/Kg	1	✳	537 (modified)	Total/NA
6:2 FTS	0.30	J	2.4	0.18	ug/Kg	1	✳	537 (modified)	Total/NA
8:2 FTS	1.1	J	2.4	0.30	ug/Kg	1	✳	537 (modified)	Total/NA

Client Sample ID: SB-25 (2-4)

Lab Sample ID: 320-73544-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.76		0.22	0.031	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.7		0.22	0.085	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.61		0.22	0.047	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.68		0.22	0.032	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.3	F1	0.22	0.095	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.38		0.22	0.040	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.040	J	0.22	0.024	ug/Kg	1	✳	537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-73544-2

Client Sample ID: SB-23 (2-3.75)

Lab Sample ID: 320-73544-8

Date Collected: 05/10/21 18:40

Matrix: Solid

Date Received: 05/12/21 10:15

Percent Solids: 80.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.30		0.23	0.033	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluoropentanoic acid (PFPeA)	1.2		0.23	0.090	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluorohexanoic acid (PFHxA)	0.33		0.23	0.049	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluoroheptanoic acid (PFHpA)	0.50		0.23	0.034	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluorooctanoic acid (PFOA)	0.66		0.23	0.10	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluorononanoic acid (PFNA)	0.48		0.23	0.042	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluorodecanoic acid (PFDA)	0.17	J	0.23	0.026	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluoroundecanoic acid (PFUnA)	ND		0.23	0.042	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluorododecanoic acid (PFDoA)	ND		0.23	0.078	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.23	0.059	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.23	0.063	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.23	0.029	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.23	0.023	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.23	0.036	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.23	0.041	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.58	0.23	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluorononanesulfonic acid (PFNS)	ND		0.23	0.023	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.23	0.045	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.23	0.070	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
Perfluorooctanesulfonamide (FOSA)	ND		0.23	0.095	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
NMeFOSA	ND		0.23	0.048	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
NEtFOSA	ND		0.23	0.028	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
NMeFOSAA	ND		2.3	0.45	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
NEtFOSAA	ND		2.3	0.43	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
NMeFOSE	ND		0.23	0.083	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
NEtFOSE	ND		0.23	0.042	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
4:2 FTS	ND		2.3	0.43	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
6:2 FTS	0.29	J	2.3	0.17	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
8:2 FTS	1.2	J	2.3	0.29	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
HFPO-DA (GenX)	ND		0.29	0.13	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
9Cl-PF3ONS	ND		0.23	0.031	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
11Cl-PF3OUdS	ND		0.23	0.026	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.23	0.021	ug/Kg	✳	05/19/21 20:08	05/20/21 13:37	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	76		25 - 150	05/19/21 20:08	05/20/21 13:37	1
13C5 PFPeA	72		25 - 150	05/19/21 20:08	05/20/21 13:37	1
13C2 PFHxA	73		25 - 150	05/19/21 20:08	05/20/21 13:37	1
13C4 PFHpA	73		25 - 150	05/19/21 20:08	05/20/21 13:37	1
13C4 PFOA	81		25 - 150	05/19/21 20:08	05/20/21 13:37	1
13C5 PFNA	75		25 - 150	05/19/21 20:08	05/20/21 13:37	1
13C2 PFDA	76		25 - 150	05/19/21 20:08	05/20/21 13:37	1
13C2 PFUnA	78		25 - 150	05/19/21 20:08	05/20/21 13:37	1
13C2 PFDoA	68		25 - 150	05/19/21 20:08	05/20/21 13:37	1
13C2 PFTeDA	70		25 - 150	05/19/21 20:08	05/20/21 13:37	1
13C3 PFBS	65		25 - 150	05/19/21 20:08	05/20/21 13:37	1
18O2 PFHxS	67		25 - 150	05/19/21 20:08	05/20/21 13:37	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-73544-2

Client Sample ID: SB-23 (2-3.75)

Lab Sample ID: 320-73544-8

Date Collected: 05/10/21 18:40

Matrix: Solid

Date Received: 05/12/21 10:15

Percent Solids: 80.9

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	65		25 - 150	05/19/21 20:08	05/20/21 13:37	1
13C8 FOSA	71		10 - 150	05/19/21 20:08	05/20/21 13:37	1
M2-4:2 FTS	63		25 - 150	05/19/21 20:08	05/20/21 13:37	1
M2-6:2 FTS	96		25 - 150	05/19/21 20:08	05/20/21 13:37	1
M2-8:2 FTS	90		25 - 150	05/19/21 20:08	05/20/21 13:37	1
13C2 10:2 FTS	83		25 - 150	05/19/21 20:08	05/20/21 13:37	1
13C3 HFPO-DA	69		25 - 150	05/19/21 20:08	05/20/21 13:37	1
d3-NMeFOSAA	69		25 - 150	05/19/21 20:08	05/20/21 13:37	1
d5-NEtFOSAA	69		25 - 150	05/19/21 20:08	05/20/21 13:37	1
d-N-MeFOSA-M	61		10 - 150	05/19/21 20:08	05/20/21 13:37	1
d-N-EtFOSA-M	68		10 - 150	05/19/21 20:08	05/20/21 13:37	1
d7-N-MeFOSE-M	84		10 - 150	05/19/21 20:08	05/20/21 13:37	1
d9-N-EtFOSE-M	75		10 - 150	05/19/21 20:08	05/20/21 13:37	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19.1		0.1	0.1	%			05/17/21 14:40	1
Percent Solids	80.9		0.1	0.1	%			05/17/21 14:40	1

Client Sample ID: SB-24 (2-4)

Lab Sample ID: 320-73544-10

Date Collected: 05/10/21 19:15

Matrix: Solid

Date Received: 05/12/21 10:15

Percent Solids: 79.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.33		0.24	0.034	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluoropentanoic acid (PFPeA)	1.4		0.24	0.094	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluorohexanoic acid (PFHxA)	0.35		0.24	0.051	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluoroheptanoic acid (PFHpA)	0.55		0.24	0.035	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluorooctanoic acid (PFOA)	0.73		0.24	0.10	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluorononanoic acid (PFNA)	0.48		0.24	0.044	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluorodecanoic acid (PFDA)	0.20	J	0.24	0.027	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluoroundecanoic acid (PFUnA)	ND		0.24	0.044	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluorododecanoic acid (PFDoA)	ND		0.24	0.081	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluorotridecanoic acid (PFTTrDA)	ND		0.24	0.062	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.24	0.066	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.24	0.030	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.24	0.024	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.24	0.038	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.24	0.043	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.61	0.24	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluorononanesulfonic acid (PFNS)	ND		0.24	0.024	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.24	0.047	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.24	0.073	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
Perfluorooctanesulfonamide (FOSA)	ND		0.24	0.10	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
NMeFOSA	ND		0.24	0.050	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
NEtFOSA	ND		0.24	0.029	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1
NMeFOSAA	ND		2.4	0.47	ug/Kg	✱	05/19/21 20:08	05/20/21 13:46	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-73544-2

Client Sample ID: SB-24 (2-4)

Lab Sample ID: 320-73544-10

Date Collected: 05/10/21 19:15

Matrix: Solid

Date Received: 05/12/21 10:15

Percent Solids: 79.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	ND		2.4	0.45	ug/Kg	☼	05/19/21 20:08	05/20/21 13:46	1
NMeFOSE	ND		0.24	0.086	ug/Kg	☼	05/19/21 20:08	05/20/21 13:46	1
NEtFOSE	ND		0.24	0.044	ug/Kg	☼	05/19/21 20:08	05/20/21 13:46	1
4:2 FTS	ND		2.4	0.45	ug/Kg	☼	05/19/21 20:08	05/20/21 13:46	1
6:2 FTS	0.30	J	2.4	0.18	ug/Kg	☼	05/19/21 20:08	05/20/21 13:46	1
8:2 FTS	1.1	J	2.4	0.30	ug/Kg	☼	05/19/21 20:08	05/20/21 13:46	1
HFPO-DA (GenX)	ND		0.30	0.13	ug/Kg	☼	05/19/21 20:08	05/20/21 13:46	1
9Cl-PF3ONS	ND		0.24	0.033	ug/Kg	☼	05/19/21 20:08	05/20/21 13:46	1
11Cl-PF3OUdS	ND		0.24	0.027	ug/Kg	☼	05/19/21 20:08	05/20/21 13:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.24	0.022	ug/Kg	☼	05/19/21 20:08	05/20/21 13:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	78		25 - 150	05/19/21 20:08	05/20/21 13:46	1
13C5 PFPeA	77		25 - 150	05/19/21 20:08	05/20/21 13:46	1
13C2 PFHxA	86		25 - 150	05/19/21 20:08	05/20/21 13:46	1
13C4 PFHpA	95		25 - 150	05/19/21 20:08	05/20/21 13:46	1
13C4 PFOA	84		25 - 150	05/19/21 20:08	05/20/21 13:46	1
13C5 PFNA	85		25 - 150	05/19/21 20:08	05/20/21 13:46	1
13C2 PFDA	79		25 - 150	05/19/21 20:08	05/20/21 13:46	1
13C2 PFUnA	88		25 - 150	05/19/21 20:08	05/20/21 13:46	1
13C2 PFDoA	84		25 - 150	05/19/21 20:08	05/20/21 13:46	1
13C2 PFTeDA	76		25 - 150	05/19/21 20:08	05/20/21 13:46	1
13C3 PFBS	72		25 - 150	05/19/21 20:08	05/20/21 13:46	1
18O2 PFHxS	75		25 - 150	05/19/21 20:08	05/20/21 13:46	1
13C4 PFOS	74		25 - 150	05/19/21 20:08	05/20/21 13:46	1
13C8 FOSA	78		10 - 150	05/19/21 20:08	05/20/21 13:46	1
M2-4:2 FTS	79		25 - 150	05/19/21 20:08	05/20/21 13:46	1
M2-6:2 FTS	101		25 - 150	05/19/21 20:08	05/20/21 13:46	1
M2-8:2 FTS	112		25 - 150	05/19/21 20:08	05/20/21 13:46	1
13C2 10:2 FTS	107		25 - 150	05/19/21 20:08	05/20/21 13:46	1
13C3 HFPO-DA	76		25 - 150	05/19/21 20:08	05/20/21 13:46	1
d3-NMeFOSAA	75		25 - 150	05/19/21 20:08	05/20/21 13:46	1
d5-NEtFOSAA	75		25 - 150	05/19/21 20:08	05/20/21 13:46	1
d-N-MeFOSA-M	71		10 - 150	05/19/21 20:08	05/20/21 13:46	1
d-N-EtFOSA-M	71		10 - 150	05/19/21 20:08	05/20/21 13:46	1
d7-N-MeFOSE-M	99		10 - 150	05/19/21 20:08	05/20/21 13:46	1
d9-N-EtFOSE-M	90		10 - 150	05/19/21 20:08	05/20/21 13:46	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20.8		0.1	0.1	%			05/17/21 14:40	1
Percent Solids	79.2		0.1	0.1	%			05/17/21 14:40	1

Client Sample ID: SB-25 (2-4)

Lab Sample ID: 320-73544-12

Date Collected: 05/11/21 08:55

Matrix: Solid

Date Received: 05/12/21 10:15

Percent Solids: 86.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.76		0.22	0.031	ug/Kg	☼	05/19/21 20:08	05/21/21 08:00	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-73544-2

Client Sample ID: SB-25 (2-4)

Lab Sample ID: 320-73544-12

Date Collected: 05/11/21 08:55

Matrix: Solid

Date Received: 05/12/21 10:15

Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	1.7		0.22	0.085	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluorohexanoic acid (PFHxA)	0.61		0.22	0.047	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluoroheptanoic acid (PFHpA)	0.68		0.22	0.032	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluorooctanoic acid (PFOA)	1.3	F1	0.22	0.095	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluorononanoic acid (PFNA)	0.38		0.22	0.040	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluorodecanoic acid (PFDA)	0.040	J	0.22	0.024	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluoroundecanoic acid (PFUnA)	ND		0.22	0.040	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluorododecanoic acid (PFDoA)	ND		0.22	0.074	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.22	0.057	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.22	0.060	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.22	0.028	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.22	0.022	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.22	0.034	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.22	0.039	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.56	0.22	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluorononanesulfonic acid (PFNS)	ND		0.22	0.022	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.22	0.043	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.22	0.067	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
Perfluorooctanesulfonamide (FOSA)	ND		0.22	0.091	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
NMeFOSA	ND		0.22	0.046	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
NEtFOSA	ND		0.22	0.027	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
NMeFOSAA	ND		2.2	0.43	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
NEtFOSAA	ND		2.2	0.41	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
NMeFOSE	ND		0.22	0.079	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
NEtFOSE	ND		0.22	0.040	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
4:2 FTS	ND		2.2	0.41	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
6:2 FTS	ND		2.2	0.17	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
8:2 FTS	ND		2.2	0.28	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
HFPO-DA (GenX)	ND		0.28	0.12	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
9Cl-PF3ONS	ND		0.22	0.030	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
11Cl-PF3OUdS	ND		0.22	0.024	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.22	0.020	ug/Kg	✱	05/19/21 20:08	05/21/21 08:00	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	73		25 - 150	05/19/21 20:08	05/21/21 08:00	1
13C5 PFPeA	70		25 - 150	05/19/21 20:08	05/21/21 08:00	1
13C2 PFHxA	79		25 - 150	05/19/21 20:08	05/21/21 08:00	1
13C4 PFHpA	81		25 - 150	05/19/21 20:08	05/21/21 08:00	1
13C4 PFOA	86		25 - 150	05/19/21 20:08	05/21/21 08:00	1
13C5 PFNA	75		25 - 150	05/19/21 20:08	05/21/21 08:00	1
13C2 PFDA	74		25 - 150	05/19/21 20:08	05/21/21 08:00	1
13C2 PFUnA	69		25 - 150	05/19/21 20:08	05/21/21 08:00	1
13C2 PFDoA	79		25 - 150	05/19/21 20:08	05/21/21 08:00	1
13C2 PFTeDA	69		25 - 150	05/19/21 20:08	05/21/21 08:00	1
13C3 PFBS	58		25 - 150	05/19/21 20:08	05/21/21 08:00	1
18O2 PFHxS	64		25 - 150	05/19/21 20:08	05/21/21 08:00	1
13C4 PFOS	65		25 - 150	05/19/21 20:08	05/21/21 08:00	1

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Client Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-73544-2

Client Sample ID: SB-25 (2-4)

Lab Sample ID: 320-73544-12

Date Collected: 05/11/21 08:55

Matrix: Solid

Date Received: 05/12/21 10:15

Percent Solids: 86.0

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>
13C8 FOSA	70		10 - 150	05/19/21 20:08	05/21/21 08:00	1
M2-4:2 FTS	60		25 - 150	05/19/21 20:08	05/21/21 08:00	1
M2-6:2 FTS	88		25 - 150	05/19/21 20:08	05/21/21 08:00	1
M2-8:2 FTS	93		25 - 150	05/19/21 20:08	05/21/21 08:00	1
13C2 10:2 FTS	76		25 - 150	05/19/21 20:08	05/21/21 08:00	1
13C3 HFPO-DA	67		25 - 150	05/19/21 20:08	05/21/21 08:00	1
d3-NMeFOSAA	74		25 - 150	05/19/21 20:08	05/21/21 08:00	1
d5-NEtFOSAA	63		25 - 150	05/19/21 20:08	05/21/21 08:00	1
d-N-MeFOSA-M	63		10 - 150	05/19/21 20:08	05/21/21 08:00	1
d-N-EtFOSA-M	66		10 - 150	05/19/21 20:08	05/21/21 08:00	1
d7-N-MeFOSE-M	81		10 - 150	05/19/21 20:08	05/21/21 08:00	1
d9-N-EtFOSE-M	77		10 - 150	05/19/21 20:08	05/21/21 08:00	1

General Chemistry

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>RL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Percent Moisture	14.0		0.1	0.1	%			05/17/21 14:40	1
Percent Solids	86.0		0.1	0.1	%			05/17/21 14:40	1

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-73544-2

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-73544-8	SB-23 (2-3.75)	76	72	73	73	81	75	76	78
320-73544-10	SB-24 (2-4)	78	77	86	95	84	85	79	88
320-73544-12	SB-25 (2-4)	73	70	79	81	86	75	74	69
320-73544-12 MS	SB-25 (2-4)	77	77	82	89	77	86	83	89
320-73544-12 MSD	SB-25 (2-4)	72	74	79	76	77	80	79	85
LCS 320-490837/2-A	Lab Control Sample	70	73	75	76	81	76	74	74
MB 320-490837/1-A	Method Blank	82	74	81	82	85	87	80	85

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)	M242FTS (25-150)	M262FTS (25-150)
320-73544-8	SB-23 (2-3.75)	68	70	65	67	65	71	63	96
320-73544-10	SB-24 (2-4)	84	76	72	75	74	78	79	101
320-73544-12	SB-25 (2-4)	79	69	58	64	65	70	60	88
320-73544-12 MS	SB-25 (2-4)	77	78	67	75	74	78	69	93
320-73544-12 MSD	SB-25 (2-4)	76	76	62	68	66	73	64	86
LCS 320-490837/2-A	Lab Control Sample	68	71	68	68	73	74	67	92
MB 320-490837/1-A	Method Blank	77	74	76	73	68	77	69	101

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M282FTS (25-150)	M102FTS (25-150)	HFPODA (25-150)	d3NMFOs (25-150)	d5NEFOs (25-150)	dMeFOsA (10-150)	dEtFOsA (10-150)	NMFM (10-150)
320-73544-8	SB-23 (2-3.75)	90	83	69	69	69	61	68	84
320-73544-10	SB-24 (2-4)	112	107	76	75	75	71	71	99
320-73544-12	SB-25 (2-4)	93	76	67	74	63	63	66	81
320-73544-12 MS	SB-25 (2-4)	117	85	72	85	76	73	75	94
320-73544-12 MSD	SB-25 (2-4)	108	71	71	78	69	67	71	85
LCS 320-490837/2-A	Lab Control Sample	112	93	73	78	65	64	68	83
MB 320-490837/1-A	Method Blank	114	99	74	78	76	69	70	96

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	NEFM (10-150)
320-73544-8	SB-23 (2-3.75)	75
320-73544-10	SB-24 (2-4)	90
320-73544-12	SB-25 (2-4)	77
320-73544-12 MS	SB-25 (2-4)	92
320-73544-12 MSD	SB-25 (2-4)	83
LCS 320-490837/2-A	Lab Control Sample	71
MB 320-490837/1-A	Method Blank	86

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

Isotope Dilution Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-73544-2

C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
M102FTS = 13C2 10:2 FTS
HFPODA = 13C3 HFPO-DA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
dMeFOSA = d-N-MeFOSA-M
dEtFOSA = d-N-EtFOSA-M
NMFm = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M

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QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-73544-2

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-490837/1-A
Matrix: Solid
Analysis Batch: 491066

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 490837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.20	0.028	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.077	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.042	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.029	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.086	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.036	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.022	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.036	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.067	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluorotridecanoic acid (PFTrDA)	ND		0.20	0.051	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.054	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.025	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluoropentanesulfonic acid (PFPeS)	ND		0.20	0.020	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.031	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.035	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.50	0.20	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluorononanesulfonic acid (PFNS)	ND		0.20	0.020	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.039	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluorododecanesulfonic acid (PFDoS)	ND		0.20	0.060	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
Perfluorooctanesulfonamide (FOSA)	ND		0.20	0.082	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
NMeFOSA	ND		0.20	0.041	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
NEtFOSA	ND		0.20	0.024	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
NMeFOSAA	ND		2.0	0.39	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
NEtFOSAA	ND		2.0	0.37	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
NMeFOSE	ND		0.20	0.071	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
NEtFOSE	ND		0.20	0.036	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
4:2 FTS	ND		2.0	0.37	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
6:2 FTS	ND		2.0	0.15	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
8:2 FTS	ND		2.0	0.25	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
HFPO-DA (GenX)	ND		0.25	0.11	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
9Cl-PF3ONS	ND		0.20	0.027	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
11Cl-PF3OUdS	ND		0.20	0.022	ug/Kg		05/19/21 20:08	05/20/21 13:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		0.20	0.018	ug/Kg		05/19/21 20:08	05/20/21 13:19	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	82		25 - 150	05/19/21 20:08	05/20/21 13:19	1
13C5 PFPeA	74		25 - 150	05/19/21 20:08	05/20/21 13:19	1
13C2 PFHxA	81		25 - 150	05/19/21 20:08	05/20/21 13:19	1
13C4 PFHpA	82		25 - 150	05/19/21 20:08	05/20/21 13:19	1
13C4 PFOA	85		25 - 150	05/19/21 20:08	05/20/21 13:19	1
13C5 PFNA	87		25 - 150	05/19/21 20:08	05/20/21 13:19	1
13C2 PFDA	80		25 - 150	05/19/21 20:08	05/20/21 13:19	1
13C2 PFUnA	85		25 - 150	05/19/21 20:08	05/20/21 13:19	1
13C2 PFDoA	77		25 - 150	05/19/21 20:08	05/20/21 13:19	1
13C2 PFTeDA	74		25 - 150	05/19/21 20:08	05/20/21 13:19	1

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-73544-2

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

Lab Sample ID: MB 320-490837/1-A
Matrix: Solid
Analysis Batch: 491066

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 490837

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C3 PFBS	76		25 - 150	05/19/21 20:08	05/20/21 13:19	1
18O2 PFHxS	73		25 - 150	05/19/21 20:08	05/20/21 13:19	1
13C4 PFOS	68		25 - 150	05/19/21 20:08	05/20/21 13:19	1
13C8 FOSA	77		10 - 150	05/19/21 20:08	05/20/21 13:19	1
M2-4:2 FTS	69		25 - 150	05/19/21 20:08	05/20/21 13:19	1
M2-6:2 FTS	101		25 - 150	05/19/21 20:08	05/20/21 13:19	1
M2-8:2 FTS	114		25 - 150	05/19/21 20:08	05/20/21 13:19	1
13C2 10:2 FTS	99		25 - 150	05/19/21 20:08	05/20/21 13:19	1
13C3 HFPO-DA	74		25 - 150	05/19/21 20:08	05/20/21 13:19	1
d3-NMeFOSAA	78		25 - 150	05/19/21 20:08	05/20/21 13:19	1
d5-NEtFOSAA	76		25 - 150	05/19/21 20:08	05/20/21 13:19	1
d-N-MeFOSA-M	69		10 - 150	05/19/21 20:08	05/20/21 13:19	1
d-N-EtFOSA-M	70		10 - 150	05/19/21 20:08	05/20/21 13:19	1
d7-N-MeFOSE-M	96		10 - 150	05/19/21 20:08	05/20/21 13:19	1
d9-N-EtFOSE-M	86		10 - 150	05/19/21 20:08	05/20/21 13:19	1

Lab Sample ID: LCS 320-490837/2-A
Matrix: Solid
Analysis Batch: 491066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 490837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoropentanoic acid (PFPeA)	2.00	2.16		ug/Kg		108	60 - 135
Perfluorohexanoic acid (PFHxA)	2.00	1.85		ug/Kg		93	60 - 135
Perfluoroheptanoic acid (PFHpA)	2.00	2.07		ug/Kg		103	60 - 135
Perfluorooctanoic acid (PFOA)	2.00	2.15		ug/Kg		107	60 - 135
Perfluorononanoic acid (PFNA)	2.00	2.00		ug/Kg		100	60 - 135
Perfluorodecanoic acid (PFDA)	2.00	2.05		ug/Kg		103	60 - 135
Perfluoroundecanoic acid (PFUnA)	2.00	1.83		ug/Kg		91	60 - 135
Perfluorododecanoic acid (PFDoA)	2.00	2.18		ug/Kg		109	60 - 135
Perfluorotridecanoic acid (PFTrDA)	2.00	2.00		ug/Kg		100	60 - 135
Perfluorotetradecanoic acid (PFTeA)	2.00	2.25		ug/Kg		112	60 - 135
Perfluorobutanesulfonic acid (PFBS)	1.77	1.90		ug/Kg		107	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.93		ug/Kg		103	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.88		ug/Kg		103	60 - 135
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.84		ug/Kg		97	60 - 135
Perfluorooctanesulfonic acid (PFOS)	1.86	1.74		ug/Kg		94	60 - 135
Perfluorononanesulfonic acid (PFNS)	1.92	1.60		ug/Kg		83	60 - 135
Perfluorodecanesulfonic acid (PFDS)	1.93	1.53		ug/Kg		79	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	1.94	1.63		ug/Kg		84	60 - 135

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-73544-2

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

Lab Sample ID: LCS 320-490837/2-A
Matrix: Solid
Analysis Batch: 491066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 490837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanesulfonamide (FOSA)	2.00	2.10		ug/Kg		105	60 - 135
NMeFOSA	2.00	2.00		ug/Kg		100	60 - 135
NEtFOSA	2.00	2.16		ug/Kg		108	60 - 135
NMeFOSAA	2.00	1.98	J	ug/Kg		99	60 - 135
NEtFOSAA	2.00	2.20		ug/Kg		110	60 - 135
NMeFOSE	2.00	1.96		ug/Kg		98	60 - 135
NEtFOSE	2.00	2.00		ug/Kg		100	60 - 135
4:2 FTS	1.87	1.96	J	ug/Kg		105	60 - 135
6:2 FTS	1.90	2.18		ug/Kg		115	60 - 135
8:2 FTS	1.92	1.87	J	ug/Kg		98	60 - 135
HFPO-DA (GenX)	2.00	2.08		ug/Kg		104	60 - 135
9Cl-PF3ONS	1.86	1.65		ug/Kg		88	60 - 135
11Cl-PF3OUdS	1.88	1.67		ug/Kg		89	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.88	2.04		ug/Kg		108	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	70		25 - 150
13C5 PFPeA	73		25 - 150
13C2 PFHxA	75		25 - 150
13C4 PFHpA	76		25 - 150
13C4 PFOA	81		25 - 150
13C5 PFNA	76		25 - 150
13C2 PFDA	74		25 - 150
13C2 PFUnA	74		25 - 150
13C2 PFDoA	68		25 - 150
13C2 PFTeDA	71		25 - 150
13C3 PFBS	68		25 - 150
18O2 PFHxS	68		25 - 150
13C4 PFOS	73		25 - 150
13C8 FOSA	74		10 - 150
M2-4:2 FTS	67		25 - 150
M2-6:2 FTS	92		25 - 150
M2-8:2 FTS	112		25 - 150
13C2 10:2 FTS	93		25 - 150
13C3 HFPO-DA	73		25 - 150
d3-NMeFOSAA	78		25 - 150
d5-NEtFOSAA	65		25 - 150
d-N-MeFOSA-M	64		10 - 150
d-N-EtFOSA-M	68		10 - 150
d7-N-MeFOSE-M	83		10 - 150
d9-N-EtFOSE-M	71		10 - 150

QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-73544-2

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

Lab Sample ID: 320-73544-12 MS
Matrix: Solid
Analysis Batch: 491277

Client Sample ID: SB-25 (2-4)
Prep Type: Total/NA
Prep Batch: 490837

<i>Isotope Dilution</i>	<i>MS</i>	<i>MS</i>	<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C4 PFHpA	89		25 - 150
13C4 PFOA	77		25 - 150
13C5 PFNA	86		25 - 150
13C2 PFDA	83		25 - 150
13C2 PFUnA	89		25 - 150
13C2 PFDaA	77		25 - 150
13C2 PFTeDA	78		25 - 150
13C3 PFBS	67		25 - 150
18O2 PFHxS	75		25 - 150
13C4 PFOS	74		25 - 150
13C8 FOSA	78		10 - 150
M2-4:2 FTS	69		25 - 150
M2-6:2 FTS	93		25 - 150
M2-8:2 FTS	117		25 - 150
13C2 10:2 FTS	85		25 - 150
13C3 HFPO-DA	72		25 - 150
d3-NMeFOSAA	85		25 - 150
d5-NEtFOSAA	76		25 - 150
d-N-MeFOSA-M	73		10 - 150
d-N-EtFOSA-M	75		10 - 150
d7-N-MeFOSE-M	94		10 - 150
d9-N-EtFOSE-M	92		10 - 150

Lab Sample ID: 320-73544-12 MSD
Matrix: Solid
Analysis Batch: 491277

Client Sample ID: SB-25 (2-4)
Prep Type: Total/NA
Prep Batch: 490837

<i>Analyte</i>	<i>Sample</i>	<i>Sample</i>	<i>Spike</i>	<i>MSD</i>	<i>MSD</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i>	<i>RPD</i>	<i>Limit</i>
	<i>Result</i>	<i>Qualifier</i>	<i>Added</i>	<i>Result</i>	<i>Qualifier</i>				<i>Limits</i>		
Perfluorobutanoic acid (PFBA)	0.76		2.25	2.99		ug/Kg	☼	99	70 - 130	5	30
Perfluoropentanoic acid (PFPeA)	1.7		2.25	4.09		ug/Kg	☼	106	70 - 130	8	30
Perfluorohexanoic acid (PFHxA)	0.61		2.25	2.66		ug/Kg	☼	91	70 - 130	4	30
Perfluoroheptanoic acid (PFHpA)	0.68		2.25	3.33		ug/Kg	☼	118	70 - 130	11	30
Perfluorooctanoic acid (PFOA)	1.3	F1	2.25	4.22	F1	ug/Kg	☼	132	70 - 130	14	30
Perfluorononanoic acid (PFNA)	0.38		2.25	2.81		ug/Kg	☼	108	70 - 130	14	30
Perfluorodecanoic acid (PFDA)	0.040	J	2.25	2.29		ug/Kg	☼	100	70 - 130	17	30
Perfluoroundecanoic acid (PFUnA)	ND		2.25	1.90		ug/Kg	☼	84	70 - 130	2	30
Perfluorododecanoic acid (PFDaA)	ND		2.25	2.34		ug/Kg	☼	104	70 - 130	8	30
Perfluorotridecanoic acid (PFTTrDA)	ND		2.25	2.05		ug/Kg	☼	91	70 - 130	13	30
Perfluorotetradecanoic acid (PFTeA)	ND		2.25	2.40		ug/Kg	☼	107	70 - 130	1	30
Perfluorobutanesulfonic acid (PFBS)	ND		1.99	2.00		ug/Kg	☼	100	70 - 130	0	30
Perfluoropentanesulfonic acid (PFPeS)	ND		2.11	2.35		ug/Kg	☼	112	70 - 130	11	30
Perfluorohexanesulfonic acid (PFHxS)	ND		2.05	2.15		ug/Kg	☼	105	70 - 130	15	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.14	2.18		ug/Kg	☼	102	70 - 130	7	30

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-73544-2

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

Lab Sample ID: 320-73544-12 MSD

Matrix: Solid

Analysis Batch: 491277

Client Sample ID: SB-25 (2-4)

Prep Type: Total/NA

Prep Batch: 490837

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)	ND		2.09	2.14		ug/Kg	⊛	102	70 - 130	14	30
Perfluorononanesulfonic acid (PFNS)	ND		2.16	2.06		ug/Kg	⊛	95	70 - 130	14	30
Perfluorodecanesulfonic acid (PFDS)	ND		2.17	2.02		ug/Kg	⊛	93	70 - 130	12	30
Perfluorododecanesulfonic acid (PFDoS)	ND		2.18	2.02		ug/Kg	⊛	93	70 - 130	6	30
Perfluorooctanesulfonamide (FOSA)	ND		2.25	2.27		ug/Kg	⊛	101	70 - 130	3	30
NMeFOSA	ND		2.25	2.18		ug/Kg	⊛	97	70 - 130	8	30
NEtFOSA	ND		2.25	2.47		ug/Kg	⊛	110	70 - 130	9	30
NMeFOSAA	ND		2.25	2.14	J	ug/Kg	⊛	95	70 - 130	1	30
NEtFOSAA	ND		2.25	2.54		ug/Kg	⊛	113	70 - 130	15	30
NMeFOSE	ND		2.25	2.34		ug/Kg	⊛	104	70 - 130	10	30
NEtFOSE	ND		2.25	2.03		ug/Kg	⊛	90	70 - 130	6	30
4:2 FTS	ND		2.10	2.19	J	ug/Kg	⊛	104	70 - 130	3	30
6:2 FTS	ND		2.13	2.32		ug/Kg	⊛	109	70 - 130	4	30
8:2 FTS	ND		2.16	2.38		ug/Kg	⊛	111	70 - 130	7	30
HFPO-DA (GenX)	ND		2.25	2.34		ug/Kg	⊛	104	70 - 130	3	30
9CI-PF3ONS	ND		2.10	2.02		ug/Kg	⊛	96	70 - 130	10	30
11CI-PF3OUdS	ND		2.12	2.02		ug/Kg	⊛	95	70 - 130	1	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND		2.12	2.50		ug/Kg	⊛	118	70 - 130	13	30

Isotope Dilution	MSD MSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	72		25 - 150
13C5 PFPeA	74		25 - 150
13C2 PFHxA	79		25 - 150
13C4 PFHpA	76		25 - 150
13C4 PFOA	77		25 - 150
13C5 PFNA	80		25 - 150
13C2 PFDA	79		25 - 150
13C2 PFUnA	85		25 - 150
13C2 PFDoA	76		25 - 150
13C2 PFTeDA	76		25 - 150
13C3 PFBS	62		25 - 150
18O2 PFHxS	68		25 - 150
13C4 PFOS	66		25 - 150
13C8 FOSA	73		10 - 150
M2-4:2 FTS	64		25 - 150
M2-6:2 FTS	86		25 - 150
M2-8:2 FTS	108		25 - 150
13C2 10:2 FTS	71		25 - 150
13C3 HFPO-DA	71		25 - 150
d3-NMeFOSAA	78		25 - 150
d5-NEtFOSAA	69		25 - 150
d-N-MeFOSA-M	67		10 - 150
d-N-EtFOSA-M	71		10 - 150
d7-N-MeFOSE-M	85		10 - 150

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-73544-2

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

Lab Sample ID: 320-73544-12 MSD
Matrix: Solid
Analysis Batch: 491277

Client Sample ID: SB-25 (2-4)
Prep Type: Total/NA
Prep Batch: 490837

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>MSD Qualifier</i>	<i>MSD Limits</i>
<i>d9-N-EtFOSE-M</i>	83		10 - 150

Method: D 2216 - Percent Moisture

Lab Sample ID: 320-73544-8 DU
Matrix: Solid
Analysis Batch: 489816

Client Sample ID: SB-23 (2-3.75)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	19.1		19.2		%		0.7	20
Percent Solids	80.9		80.8		%		0.2	20



QC Association Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-73544-2

LCMS

Prep Batch: 490837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-73544-8	SB-23 (2-3.75)	Total/NA	Solid	SHAKE	
320-73544-10	SB-24 (2-4)	Total/NA	Solid	SHAKE	
320-73544-12	SB-25 (2-4)	Total/NA	Solid	SHAKE	
MB 320-490837/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-490837/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
320-73544-12 MS	SB-25 (2-4)	Total/NA	Solid	SHAKE	
320-73544-12 MSD	SB-25 (2-4)	Total/NA	Solid	SHAKE	

Analysis Batch: 491066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-73544-8	SB-23 (2-3.75)	Total/NA	Solid	537 (modified)	490837
320-73544-10	SB-24 (2-4)	Total/NA	Solid	537 (modified)	490837
MB 320-490837/1-A	Method Blank	Total/NA	Solid	537 (modified)	490837
LCS 320-490837/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	490837

Analysis Batch: 491277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-73544-12	SB-25 (2-4)	Total/NA	Solid	537 (modified)	490837
320-73544-12 MS	SB-25 (2-4)	Total/NA	Solid	537 (modified)	490837
320-73544-12 MSD	SB-25 (2-4)	Total/NA	Solid	537 (modified)	490837

General Chemistry

Analysis Batch: 489816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-73544-8	SB-23 (2-3.75)	Total/NA	Solid	D 2216	
320-73544-10	SB-24 (2-4)	Total/NA	Solid	D 2216	
320-73544-12	SB-25 (2-4)	Total/NA	Solid	D 2216	
320-73544-8 DU	SB-23 (2-3.75)	Total/NA	Solid	D 2216	

Lab Chronicle

Client: TRC Environmental Corporation
 Project/Site: 437865 RockGen

Job ID: 320-73544-2

Client Sample ID: SB-23 (2-3.75)
 Date Collected: 05/10/21 18:40
 Date Received: 05/12/21 10:15

Lab Sample ID: 320-73544-8
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			489816	05/17/21 14:40	TCS	TAL SAC

Client Sample ID: SB-23 (2-3.75)
 Date Collected: 05/10/21 18:40
 Date Received: 05/12/21 10:15

Lab Sample ID: 320-73544-8
 Matrix: Solid
 Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.31 g	10.00 mL	490837	05/19/21 20:08	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			491066	05/20/21 13:37	RS1	TAL SAC

Client Sample ID: SB-24 (2-4)
 Date Collected: 05/10/21 19:15
 Date Received: 05/12/21 10:15

Lab Sample ID: 320-73544-10
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			489816	05/17/21 14:40	TCS	TAL SAC

Client Sample ID: SB-24 (2-4)
 Date Collected: 05/10/21 19:15
 Date Received: 05/12/21 10:15

Lab Sample ID: 320-73544-10
 Matrix: Solid
 Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.19 g	10.00 mL	490837	05/19/21 20:08	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			491066	05/20/21 13:46	RS1	TAL SAC

Client Sample ID: SB-25 (2-4)
 Date Collected: 05/11/21 08:55
 Date Received: 05/12/21 10:15

Lab Sample ID: 320-73544-12
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			489816	05/17/21 14:40	TCS	TAL SAC

Client Sample ID: SB-25 (2-4)
 Date Collected: 05/11/21 08:55
 Date Received: 05/12/21 10:15

Lab Sample ID: 320-73544-12
 Matrix: Solid
 Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.24 g	10.00 mL	490837	05/19/21 20:08	FX	TAL SAC
Total/NA	Analysis	537 (modified)		1			491277	05/21/21 08:00	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
 Project/Site: 437865 RockGen

Job ID: 320-73544-2

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
Arkansas DEQ	State	88-0691	06-17-21
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-21
Connecticut	State	PH-0691	06-30-21
Florida	NELAP	E87570	06-30-21
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	06-30-21
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	06-30-21
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	01-30-23
Texas	NELAP	T104704399-19-13	06-01-21
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
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: 320-73544-2

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

Laboratory References:

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



Sample Summary

Client: TRC Environmental Corporation
Project/Site: 437865 RockGen

Job ID: 320-73544-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-73544-8	SB-23 (2-3.75)	Solid	05/10/21 18:40	05/12/21 10:15	
320-73544-10	SB-24 (2-4)	Solid	05/10/21 19:15	05/12/21 10:15	
320-73544-12	SB-25 (2-4)	Solid	05/11/21 08:55	05/12/21 10:15	

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Address:

Regulatory Program: DW NPDES RCRA Other:

Company Name: TRC Address: 708 Heartland Trail, Suite 300c City/State/Zip: Madison, WI 53717 Phone: (414) 294-9247 Fax: (262) 879-1220 Project Name: RockGen SI Site: RockGen P O #: 165540		Client Contact Project Manager: Jeff Rantey Tell/Email: JRantey@trcompanies.com Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input checked="" type="checkbox"/> WORKING DAYS TAT if different from Below 5 day <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: Lab Contact: D. Althacker Date: 5/11/2021 Carrier:		COC No: 1 of 2 COCs Sampler: Lydia Auner For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.:											
Sample Identification Sample Date Sample Time Sample Type (G=Comp, G=Grab) Matrix # of Cont.		Filtered Sample (Y/N) Perform MS / MSD (Y/N) PFA5 (W/33 LST)		Sample Specific Notes:		Sample Specific Notes:											
SB-17 (0-1.5)		5/10/21 13:40		G		S		1		N		X		HOLD, didn't detect between 0-2 and 2-3.75			
SB-18 (0-1)		5/10/21 14:35		G		S		1		N		X		HOLD			
SB-19 (0-1.75)		5/10/21 15:25		G		S		1		N		X		HOLD			
SB-20 (0-2)		5/10/21 16:15		G		S		1		N		X		HOLD			
SB-21 (0-0.9)		5/10/21 16:55		G		S		1		N		X		HOLD			
SB-22 (0-2)		5/10/21 17:45		G		S		1		N		X		HOLD			
SB-23 (0-2)		5/10/21 18:30		G		S		1		N		X		HOLD			
SB-23 (2-3.75)		5/10/21 18:40		G		S		1		N		X		HOLD			
SB-24 (0-2)		5/10/21 19:00		G		S		1		N		X		HOLD			
SB-24 (2-4)		5/10/21 19:15		G		S		1		N		X		HOLD			
SB-25 (0-2)		5/11/21 8:30		G		S		1		N		X		HOLD			
SB-25 (2-4)		5/11/21 8:55		G		S		1		N		X		HOLD			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other Possible Hazard Identification:																	
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.																	
Special Instructions/QC Requirements & Comments:																	
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																	
Custody Seal No.: 1490723 Company: TRC		Cooler Temp. (°C): 1.9 Obs'd: 1.9 Cor'd: 1.9		Therm ID No.: W2		Received by: [Signature] Date/Time: 5/11/21 19:35		Company: TRC		Received by: [Signature] Date/Time: 5/11/21 19:35		Company: TRC		Received in Laboratory by:		Date/Time:	
Relinquished by: Lydia Auner		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:	



TAL-8210

Address:

Regulatory Program: DW NPDES RCRA Other:

Client Contact Company Name: TRC Address: 708 Hazelwood Trail, Suite 3000 City/State/Zip: Madison, WI 53717 Phone: (44) 294-9247 Fax: (262) 879-1220 Project Name: RockGen SI Site: RockGen P O #: 165540		Project Manager: Jeff Ramsey Tel/Email: jramsey@trccompany.com Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input checked="" type="checkbox"/> WORKING DAYS TAT if different from Below <u>5 day</u> <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: Lab Contact: AIThacker Date: 5/11/2021 Carrier: 2 of 2 COCs Sampler: Lydia Anwar For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.:	
Sample Identification SB-26 (0-2) SS-04 EB-06-202105 EB-07-202105		Filtered Sample (Y/N) N Perform MS / MSD (Y/N) N PFA5 (0133 C17)		Sample Specific Notes: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	
5/11/21	10:25	G	S	1	
5/11/21	10:45	G	S	1	
5/11/21	13:25	G	W	2	
5/11/21	13:15	G	W	2	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other Possible Hazard Identification: Please List any EPA Waste Codes for the sample in the Are any samples from a listed EPA Hazardous Waste? Section if the lab is to dispose of the sample.					
Special Instructions/QC Requirements & Comments:					
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: 1490723		Cooler Temp. (°C): Obsd: 1.9 Corrd: 1.9 Therm ID No.: 622	
Relinquished by: Lydia Anwar		Company: TRC		Received by: [Signature]	
Relinquished by:		Company:		Received by: [Signature]	
Relinquished by:		Company:		Received by: [Signature]	



Login Sample Receipt Checklist

Client: TRC Environmental Corporation

Job Number: 320-73544-2

Login Number: 73544

List Source: Eurofins TestAmerica, Sacramento

List Number: 1

Creator: Oropeza, Salvador

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	1490727
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	