



PETC

PROFESSIONAL ENVIRONMENTAL TESTING AND CONSULTING, LLC

"A Reputation for Excellence"

LABORATORY REPORT

July 22, 2024

Robert V. Salerno
Ferncrest Utilities
3015 SW 54th Avenue
Fort Lauderdale, FL 33314

Re: PETC Project Number: 05221
Client Project Description PFAS -PW#1/PW#2/PW#3/POE

Enclosed is the report of laboratory analysis for the following samples:

Sample Number	Sample Description	Date Collected
05221-1	PW #1	05/22/24
05221-2	PW #2	05/22/24
05221-3	PW #3	05/22/24
05221-4	POE	05/22/24

Please do not hesitate to contact us if you have any questions or comments regarding this report.

Sincerely,

Dr. Carol Vassell Kreitner

Dr. Carol Vassell Kreitner
Laboratory Director

Report of Analysis

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Client Sample ID:	PW1	Date Sampled:	05/22/24
Lab Sample ID:	FC16004-1	Date Received:	05/30/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 537M BY ID EPA 537 MOD		
Project:	2490961		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q124424.D	1	06/04/24 01:29	JL	06/02/24 09:50	OP3512	S2Q1788
Run #2							

	Initial Volume	Final Volume
Run #1	125 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	PQL	MDL	Units	Q
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PERFLUOROALKYLCARBOXYLIC ACIDS

335-67-1	Perfluorooctanoic acid	0.0039	0.0040	0.0020	ug/l	I
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PERFLUOROALKYLSULFONIC ACIDS

1763-23-1	Perfluorooctanesulfonic acid	0.0107	0.0040	0.0020	ug/l	
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CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOA	106%		50-150%
	13C8-PFOS	94%		50-150%

U = Not detected MDL = Method Detection Limit
PQL = Practical Quantitation Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PW2	Date Sampled:	05/22/24
Lab Sample ID:	FC16004-2	Date Received:	05/30/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 537M BY ID EPA 537 MOD		
Project:	2490961		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q124425.D	1	06/04/24 01:47	JL	06/02/24 09:50	OP3512	S2Q1788
Run #2							

	Initial Volume	Final Volume
Run #1	115 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	PQL	MDL	Units	Q
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PERFLUOROALKYLCARBOXYLIC ACIDS

335-67-1	Perfluorooctanoic acid	0.0158	0.0043	0.0022	ug/l	
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PERFLUOROALKYLSULFONIC ACIDS

1763-23-1	Perfluorooctanesulfonic acid	0.0245	0.0043	0.0022	ug/l	
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CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOA	102%		50-150%
	13C8-PFOS	93%		50-150%

U = Not detected MDL = Method Detection Limit
PQL = Practical Quantitation Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PW3	Date Sampled:	05/22/24
Lab Sample ID:	FC16004-3	Date Received:	05/30/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 537M BY ID EPA 537 MOD		
Project:	2490961		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q124426.D	1	06/04/24 02:06	JL	06/02/24 09:50	OP3512	S2Q1788
Run #2							

	Initial Volume	Final Volume
Run #1	125 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	PQL	MDL	Units	Q
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PERFLUOROALKYLCARBOXYLIC ACIDS

335-67-1	Perfluorooctanoic acid	0.0166	0.0040	0.0020	ug/l	
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PERFLUOROALKYLSULFONIC ACIDS

1763-23-1	Perfluorooctanesulfonic acid	0.0272	0.0040	0.0020	ug/l	
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CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOA	106%		50-150%
	13C8-PFOS	98%		50-150%

U = Not detected MDL = Method Detection Limit
PQL = Practical Quantitation Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	POE	Date Sampled:	05/22/24
Lab Sample ID:	FC16004-4	Date Received:	05/30/24
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	EPA 537M BY ID EPA 537 MOD		
Project:	2490961		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2Q124429.D	1	06/04/24 03:00	JL	06/02/24 09:50	OP3512	S2Q1788
Run #2							

	Initial Volume	Final Volume
Run #1	125 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	PQL	MDL	Units	Q
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PERFLUOROALKYLCARBOXYLIC ACIDS

335-67-1	Perfluorooctanoic acid	0.0168	0.0040	0.0020	ug/l	
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PERFLUOROALKYLSULFONIC ACIDS

1763-23-1	Perfluorooctanesulfonic acid	0.0281	0.0040	0.0020	ug/l	
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CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOA	104%		50-150%
	13C8-PFOS	83%		50-150%

U = Not detected MDL = Method Detection Limit
PQL = Practical Quantitation Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < PQL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



LABORATORY REPORT

Project Name: PFAS -PW#1/PW#2/PW#3/POE

FOOTNOTES

A	Value reported is the mean of two or more determinations. This code shall be used if the reported value is the average of results for two or more discrete and separate samples.
***	In the event that a subcontracting lab has performed any of the analyses in this report the ID number of the subcontracting lab will appear in the column usually reserved for analyst's initials.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
B	Results based on colony counts outside the acceptable range. This code applies to microbiological tests and specifically to membrane filter colony.
D	Measurement was made in the field.
H	Value based on field kit determination; results may not be accurate.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J	Estimated value. A "J" value shall be accompanied by narrative justification for its use.
K	Off-scale low. Actual value is known to be less than the value given.
L	Off-scale high. Actual value is known to be greater than value given.
M	When reporting chemical analyses: presence of material is verified but not quantified; the actual value is less than the value given.
N/C	PETC is not certified by NELAC for these analytes.
O	Sampled, but analysis lost or not performed.
Q	Sample held beyond the accepted holding time.
QCOR	Quality Control samples are outside the acceptance range.
S	Work subcontracted to Advanced Environmental Laboratory denoted by FDOH Cert ID in analyst Field
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC), the numeric value represents the filtration volume.

Approved By:

Dr. Carol Vassell Kreitner

Dr. Carol Vassell Kreitner, Lab Director