

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

TestAmerica Job ID: 320-44669-4
Client Project/Site: 2018 PFAS Phase 2

For:
Shannon & Wilson, Inc
2355 Hill Rd.
Fairbanks, Alaska 99709-5244

Attn: Sheila Hinkley



Authorized for release by:
11/19/2018 2:30:19 PM

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Isotope Dilution Summary	7
QC Sample Results	8
QC Association Summary	11
Lab Chronicle	12
Certification Summary	13
Method Summary	14
Sample Summary	15
Chain of Custody	16
Receipt Checklists	17

Definitions/Glossary

Client: Shannon & Wilson, Inc
Project/Site: 2018 PFAS Phase 2

TestAmerica Job ID: 320-44669-4

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Case Narrative

Client: Shannon & Wilson, Inc
Project/Site: 2018 PFAS Phase 2

TestAmerica Job ID: 320-44669-4

Job ID: 320-44669-4

Laboratory: TestAmerica Sacramento

Narrative

Job Narrative
320-44669-4

Receipt

The samples were received on 10/30/2018 10:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.2° C.

LCMS

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

Organic Prep

Method(s) 3535: Insufficient sample volume was available to perform a matrix spike duplicate (MSD) associated with preparation batch 320-258114.

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



Detection Summary

Client: Shannon & Wilson, Inc
Project/Site: 2018 PFAS Phase 2

TestAmerica Job ID: 320-44669-4

Client Sample ID: [REDACTED] -2018 PFAS-P2

Lab Sample ID: 320-44669-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid (PFHxS)	0.31	J B	1.7	0.14	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Client Sample Results

Client: Shannon & Wilson, Inc
 Project/Site: 2018 PFAS Phase 2

TestAmerica Job ID: 320-44669-4

Client Sample ID: ██████████-2018 PFAS-P2

Lab Sample ID: 320-44669-5

Date Collected: 10/29/18 11:44

Matrix: Water

Date Received: 10/30/18 10:45

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.49	ng/L		11/09/18 09:34	11/12/18 21:41	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.21	ng/L		11/09/18 09:34	11/12/18 21:41	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.72	ng/L		11/09/18 09:34	11/12/18 21:41	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.23	ng/L		11/09/18 09:34	11/12/18 21:41	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.26	ng/L		11/09/18 09:34	11/12/18 21:41	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.93	ng/L		11/09/18 09:34	11/12/18 21:41	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.46	ng/L		11/09/18 09:34	11/12/18 21:41	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	1.1	ng/L		11/09/18 09:34	11/12/18 21:41	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.24	ng/L		11/09/18 09:34	11/12/18 21:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.17	ng/L		11/09/18 09:34	11/12/18 21:41	1
Perfluorohexanesulfonic acid (PFHxS)	0.31	J B	1.7	0.14	ng/L		11/09/18 09:34	11/12/18 21:41	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.45	ng/L		11/09/18 09:34	11/12/18 21:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.27	ng/L		11/09/18 09:34	11/12/18 21:41	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	75		25 - 150	11/09/18 09:34	11/12/18 21:41	1
13C2 PFHxA	85		25 - 150	11/09/18 09:34	11/12/18 21:41	1
13C4 PFHpA	92		25 - 150	11/09/18 09:34	11/12/18 21:41	1
13C4 PFOA	92		25 - 150	11/09/18 09:34	11/12/18 21:41	1
13C5 PFNA	93		25 - 150	11/09/18 09:34	11/12/18 21:41	1
13C2 PFDA	90		25 - 150	11/09/18 09:34	11/12/18 21:41	1
13C2 PFUnA	92		25 - 150	11/09/18 09:34	11/12/18 21:41	1
13C2 PFDoA	91		25 - 150	11/09/18 09:34	11/12/18 21:41	1
13C2 PFTeDA	83		25 - 150	11/09/18 09:34	11/12/18 21:41	1
13C3 PFBS	75		25 - 150	11/09/18 09:34	11/12/18 21:41	1
18O2 PFHxS	93		25 - 150	11/09/18 09:34	11/12/18 21:41	1
13C4 PFOS	99		25 - 150	11/09/18 09:34	11/12/18 21:41	1

Isotope Dilution Summary

Client: Shannon & Wilson, Inc
 Project/Site: 2018 PFAS Phase 2

TestAmerica Job ID: 320-44669-4

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFPeA (25-150)	PFHxA (25-150)	PFHpA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)	PFDaA (25-150)
320-44669-5	[REDACTED]-2018 PFAS-P2	75	85	92	92	93	90	92	91
LCS 320-258114/2-A	Lab Control Sample	93	93	99	98	97	92	102	102
LCSD 320-258114/3-A	Lab Control Sample Dup	87	90	90	95	91	90	91	83
MB 320-258114/1-A	Method Blank	73	74	76	76	77	73	80	75

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFTDA (25-150)	3C3-PFBs (25-150)	PFHxS (25-150)	PFOS (25-150)
320-44669-5	[REDACTED]-2018 PFAS-P2	83	75	93	99
LCS 320-258114/2-A	Lab Control Sample	98	86	96	102
LCSD 320-258114/3-A	Lab Control Sample Dup	85	84	92	96
MB 320-258114/1-A	Method Blank	69	65	76	85

Surrogate Legend

- PFPeA = 13C5 PFPeA
- PFHxA = 13C2 PFHxA
- PFHpA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFNA = 13C5 PFNA
- PFDA = 13C2 PFDA
- PFUnA = 13C2 PFUnA
- PFDaA = 13C2 PFDaA
- PFTDA = 13C2 PFTeDA
- 13C3-PFBs = 13C3 PFBS
- PFHxS = 18O2 PFHxS
- PFOS = 13C4 PFOS

QC Sample Results

Client: Shannon & Wilson, Inc
Project/Site: 2018 PFAS Phase 2

TestAmerica Job ID: 320-44669-4

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-258114/1-A

Matrix: Water

Analysis Batch: 258390

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 258114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58	ng/L		11/09/18 09:34	11/12/18 19:11	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.25	ng/L		11/09/18 09:34	11/12/18 19:11	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.85	ng/L		11/09/18 09:34	11/12/18 19:11	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.27	ng/L		11/09/18 09:34	11/12/18 19:11	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.31	ng/L		11/09/18 09:34	11/12/18 19:11	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1	ng/L		11/09/18 09:34	11/12/18 19:11	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55	ng/L		11/09/18 09:34	11/12/18 19:11	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	1.3	ng/L		11/09/18 09:34	11/12/18 19:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29	ng/L		11/09/18 09:34	11/12/18 19:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20	ng/L		11/09/18 09:34	11/12/18 19:11	1
Perfluorohexanesulfonic acid (PFHxS)	0.312	J	2.0	0.17	ng/L		11/09/18 09:34	11/12/18 19:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.54	ng/L		11/09/18 09:34	11/12/18 19:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32	ng/L		11/09/18 09:34	11/12/18 19:11	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	73		25 - 150	11/09/18 09:34	11/12/18 19:11	1
13C2 PFHxA	74		25 - 150	11/09/18 09:34	11/12/18 19:11	1
13C4 PFHpA	76		25 - 150	11/09/18 09:34	11/12/18 19:11	1
13C4 PFOA	76		25 - 150	11/09/18 09:34	11/12/18 19:11	1
13C5 PFNA	77		25 - 150	11/09/18 09:34	11/12/18 19:11	1
13C2 PFDA	73		25 - 150	11/09/18 09:34	11/12/18 19:11	1
13C2 PFUnA	80		25 - 150	11/09/18 09:34	11/12/18 19:11	1
13C2 PFDoA	75		25 - 150	11/09/18 09:34	11/12/18 19:11	1
13C2 PFTeDA	69		25 - 150	11/09/18 09:34	11/12/18 19:11	1
13C3 PFBS	65		25 - 150	11/09/18 09:34	11/12/18 19:11	1
18O2 PFHxS	76		25 - 150	11/09/18 09:34	11/12/18 19:11	1
13C4 PFOS	85		25 - 150	11/09/18 09:34	11/12/18 19:11	1

Lab Sample ID: LCS 320-258114/2-A

Matrix: Water

Analysis Batch: 258390

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 258114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Perfluorohexanoic acid (PFHxA)	40.0	40.0		ng/L		100	66 - 126
Perfluoroheptanoic acid (PFHpA)	40.0	40.5		ng/L		101	66 - 126
Perfluorooctanoic acid (PFOA)	40.0	38.7		ng/L		97	64 - 124
Perfluorononanoic acid (PFNA)	40.0	39.6		ng/L		99	68 - 128
Perfluorodecanoic acid (PFDA)	40.0	43.9		ng/L		110	69 - 129
Perfluoroundecanoic acid (PFUnA)	40.0	38.1		ng/L		95	60 - 120
Perfluorododecanoic acid (PFDoA)	40.0	38.4		ng/L		96	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	39.2		ng/L		98	72 - 132
Perfluorotetradecanoic acid (PFTeA)	40.0	35.0		ng/L		88	68 - 128
Perfluorobutanesulfonic acid (PFBS)	35.4	38.7		ng/L		109	73 - 133
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.3		ng/L		94	63 - 123

TestAmerica Sacramento

QC Sample Results

Client: Shannon & Wilson, Inc
Project/Site: 2018 PFAS Phase 2

TestAmerica Job ID: 320-44669-4

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

Lab Sample ID: LCS 320-258114/2-A
Matrix: Water
Analysis Batch: 258390

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 258114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanesulfonic acid (PFOS)	37.1	34.8		ng/L		94	67 - 127
Perfluorodecanesulfonic acid (PFDS)	38.6	40.0		ng/L		104	68 - 128

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C5 PFPeA	93		25 - 150
13C2 PFHxA	93		25 - 150
13C4 PFHpA	99		25 - 150
13C4 PFOA	98		25 - 150
13C5 PFNA	97		25 - 150
13C2 PFDA	92		25 - 150
13C2 PFUnA	102		25 - 150
13C2 PFDoA	102		25 - 150
13C2 PFTeDA	98		25 - 150
13C3 PFBS	86		25 - 150
18O2 PFHxS	96		25 - 150
13C4 PFOS	102		25 - 150

Lab Sample ID: LCSD 320-258114/3-A
Matrix: Water
Analysis Batch: 258390

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 258114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid (PFHxA)	40.0	38.7		ng/L		97	66 - 126	3	30
Perfluoroheptanoic acid (PFHpA)	40.0	41.9		ng/L		105	66 - 126	3	30
Perfluorooctanoic acid (PFOA)	40.0	38.8		ng/L		97	64 - 124	0	30
Perfluorononanoic acid (PFNA)	40.0	42.3		ng/L		106	68 - 128	7	30
Perfluorodecanoic acid (PFDA)	40.0	42.2		ng/L		106	69 - 129	4	30
Perfluoroundecanoic acid (PFUnA)	40.0	40.5		ng/L		101	60 - 120	6	30
Perfluorododecanoic acid (PFDoA)	40.0	38.8		ng/L		97	71 - 131	1	30
Perfluorotridecanoic acid (PFTriA)	40.0	40.3		ng/L		101	72 - 132	3	30
Perfluorotetradecanoic acid (PFTeA)	40.0	39.0		ng/L		98	68 - 128	11	30
Perfluorobutanesulfonic acid (PFBS)	35.4	39.1		ng/L		110	73 - 133	1	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.3		ng/L		94	63 - 123	0	30
Perfluorooctanesulfonic acid (PFOS)	37.1	35.6		ng/L		96	67 - 127	2	30
Perfluorodecanesulfonic acid (PFDS)	38.6	42.0		ng/L		109	68 - 128	5	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C5 PFPeA	87		25 - 150
13C2 PFHxA	90		25 - 150
13C4 PFHpA	90		25 - 150
13C4 PFOA	95		25 - 150

TestAmerica Sacramento

QC Sample Results

Client: Shannon & Wilson, Inc
Project/Site: 2018 PFAS Phase 2

TestAmerica Job ID: 320-44669-4

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

Lab Sample ID: LCSD 320-258114/3-A

Matrix: Water

Analysis Batch: 258390

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 258114

<i>Isotope Dilution</i>	<i>LCSD</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C5 PFNA	91		25 - 150
13C2 PFDA	90		25 - 150
13C2 PFUnA	91		25 - 150
13C2 PFDoA	83		25 - 150
13C2 PFTeDA	85		25 - 150
13C3 PFBS	84		25 - 150
18O2 PFHxS	92		25 - 150
13C4 PFOS	96		25 - 150

QC Association Summary

Client: Shannon & Wilson, Inc
Project/Site: 2018 PFAS Phase 2

TestAmerica Job ID: 320-44669-4

LCMS

Prep Batch: 258114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-44669-5	██████████-2018 PFAS-P2	Total/NA	Water	3535	
MB 320-258114/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-258114/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-258114/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 258390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-44669-5	██████████-2018 PFAS-P2	Total/NA	Water	537 (modified)	258114
MB 320-258114/1-A	Method Blank	Total/NA	Water	537 (modified)	258114
LCS 320-258114/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	258114
LCSD 320-258114/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	258114

Lab Chronicle

Client: Shannon & Wilson, Inc
Project/Site: 2018 PFAS Phase 2

TestAmerica Job ID: 320-44669-4

Client Sample ID: [REDACTED] -2018 PFAS-P2

Lab Sample ID: 320-44669-5

Date Collected: 10/29/18 11:44

Matrix: Water

Date Received: 10/30/18 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			297.2 mL	10.00 mL	258114	11/09/18 09:34	MYV	TAL SAC
Total/NA	Analysis	537 (modified)		1			258390	11/12/18 21:41	S1M	TAL SAC

Laboratory References:

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

Accreditation/Certification Summary

Client: Shannon & Wilson, Inc
 Project/Site: 2018 PFAS Phase 2

TestAmerica Job ID: 320-44669-4

Laboratory: TestAmerica Sacramento

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-020	01-20-21
ANAB	DoD ELAP		L2468	01-20-21
Arizona	State Program	9	AZ0708	08-11-19
Arkansas DEQ	State Program	6	88-0691	06-17-19
California	State Program	9	2897	01-31-19
Colorado	State Program	8	CA00044	08-31-19
Connecticut	State Program	1	PH-0691	06-30-19
Florida	NELAP	4	E87570	06-30-19
Georgia	State Program	4	N/A	01-28-19
Hawaii	State Program	9	N/A	01-29-19
Illinois	NELAP	5	200060	03-17-19
Kansas	NELAP	7	E-10375	11-30-18
Louisiana	NELAP	6	30612	06-30-19
Maine	State Program	1	CA0004	04-14-20
Michigan	State Program	5	9947	01-31-20
Nevada	State Program	9	CA00044	07-31-19
New Hampshire	NELAP	1	2997	04-18-19
New Jersey	NELAP	2	CA005	06-30-19
New York	NELAP	2	11666	03-31-19
Oregon	NELAP	10	4040	01-29-19
Pennsylvania	NELAP	3	68-01272	03-31-19
Texas	NELAP	6	T104704399	05-31-19
US Fish & Wildlife	Federal		LE148388-0	07-31-19
USDA	Federal		P330-18-00239	01-17-21
USEPA UCMR	Federal	1	CA00044	12-31-20
Utah	NELAP	8	CA00044	02-28-19
Vermont	State Program	1	VT-4040	04-30-19
Virginia	NELAP	3	460278	03-14-19
Washington	State Program	10	C581	05-05-19
West Virginia (DW)	State Program	3	9930C	12-31-18
Wyoming	State Program	8	8TMS-L	01-28-19

Method Summary

Client: Shannon & Wilson, Inc
Project/Site: 2018 PFAS Phase 2

TestAmerica Job ID: 320-44669-4

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



Sample Summary

Client: Shannon & Wilson, Inc
Project/Site: 2018 PFAS Phase 2

TestAmerica Job ID: 320-44669-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-44669-5	[REDACTED]-2018 PFAS-P2	Water	10/29/18 11:44	10/30/18 10:45

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

CHAIN-OF-CUSTODY RECORD

Analytical Methods (include preservative if used)

Turn Around Time:
 Normal Rush
 Please Specify

Quote No:

J-Flags: Yes No

PFAS EPA 537
 12-Analytes

Sample Identity	Lab No.	Time	Date Sampled	Analytical Methods (include preservative if used)				Total Number of Containers	Remarks/Matrix Composition/Grab? Sample Containers
2361 Sunflower-2018 PFAS-P2		1144	10/29/16	X				2	groundwater

Project Information

Number: 101965-002
 Name: PFAS Phase 2
 Contact: SMH
 Ongoing Project? Yes No
 Sampler: SEM

Sample Receipt

Total No. of Containers: 2
 COC Seals/Intact? Y/N/NA
 Received Good Cond./Cold
 Temp:
 Delivery Method: goldstream

Relinquished By: 1.

Signature: [Signature] Time: 1500
 Printed Name: Sheila Hinckley Date: 10/29/16
 Company: Shannon & Wilson Inc.

Relinquished By: 2.

Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

Relinquished By: 3.

Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

Notes:

Bill to SWI

Received By: 1.

Signature: [Signature] Time: 1645
 Printed Name: David Date: 10/30/16
 Company: TASAC

Received By: 2.

Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

Received By: 3.

Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

Distribution: White - w/shipment - returned to Shannon & Wilson w/ laboratory report
 Yellow - w/shipment - for consignee files
 Pink - Shannon & Wilson - job file

Login Sample Receipt Checklist

Client: Shannon & Wilson, Inc

Job Number: 320-44669-4

Login Number: 44669
List Number: 1
Creator: Gooch, Mayce

List Source: 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.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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	

