

ANALYTICAL REPORT

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

Laboratory Job ID: 320-52059-1
Client Project/Site: Bloom

For:

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

Attn: Sheila Hinkley



Authorized for release by:
7/14/2019 11:22:10 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: Shannon & Wilson, Inc
Project/Site: Bloom

Job ID: 320-52059-1

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
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: Bloom

Job ID: 320-52059-1

Job ID: 320-52059-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative 320-52059-1

Receipt

The samples were received on 7/9/2019 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6° C.

LCMS

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

Organic Prep

Method(s) PFAS Prep: The following samples were observed to be of light amber color. [REDACTED] 2019 (320-52059-1), [REDACTED] 2019 (320-52059-2), [REDACTED] 2019 (320-52059-3) and [REDACTED] 2019 (320-52059-5)

Method(s) PFAS Prep: The following sample is observed to be of dark amber color: [REDACTED] 2019 (320-52059-4)

Method(s) PFAS Prep: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-307037.

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: Bloom

Job ID: 320-52059-1

Client Sample ID: [REDACTED] **2019** **Lab Sample ID: 320-52059-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	2.0		2.0	0.75	ng/L	1		WS-LC-0025 At1	Total/NA

Client Sample ID: [REDACTED] **2019** **Lab Sample ID: 320-52059-2**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	1.2	J	2.0	0.75	ng/L	1		WS-LC-0025 At1	Total/NA

Client Sample ID: [REDACTED] **2019** **Lab Sample ID: 320-52059-3**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	1.3	J	2.0	0.75	ng/L	1		WS-LC-0025 At1	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.5	J	2.0	1.3	ng/L	1		WS-LC-0025 At1	Total/NA

Client Sample ID: [REDACTED] **2019** **Lab Sample ID: 320-52059-4**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	3.0		2.0	0.75	ng/L	1		WS-LC-0025 At1	Total/NA

Client Sample ID: [REDACTED] **2019** **Lab Sample ID: 320-52059-5**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	1.3	J	2.0	0.75	ng/L	1		WS-LC-0025 At1	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.7	J	2.0	1.3	ng/L	1		WS-LC-0025 At1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: Shannon & Wilson, Inc
Project/Site: Bloom

Job ID: 320-52059-1

Client Sample ID: [REDACTED] 2019

Lab Sample ID: 320-52059-1

Date Collected: 06/26/19 14:14

Matrix: Water

Date Received: 07/09/19 10:15

Method: WS-LC-0025 At1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	2.0		2.0	0.75	ng/L		07/11/19 12:39	07/12/19 05:02	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		07/11/19 12:39	07/12/19 05:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOA	113		25 - 150				07/11/19 12:39	07/12/19 05:02	1
13C4 PFOS	112		25 - 150				07/11/19 12:39	07/12/19 05:02	1

Client Sample Results

Client: Shannon & Wilson, Inc
Project/Site: Bloom

Job ID: 320-52059-1

Client Sample ID: [REDACTED] 2019

Lab Sample ID: 320-52059-2

Date Collected: 06/26/19 12:30

Matrix: Water

Date Received: 07/09/19 10:15

Method: WS-LC-0025 At1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	1.2	J	2.0	0.75	ng/L	-	07/11/19 12:39	07/12/19 05:20	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		07/11/19 12:39	07/12/19 05:20	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOA	121		25 - 150				07/11/19 12:39	07/12/19 05:20	1
13C4 PFOS	117		25 - 150				07/11/19 12:39	07/12/19 05:20	1

Client Sample Results

Client: Shannon & Wilson, Inc
Project/Site: Bloom

Job ID: 320-52059-1

Client Sample ID: [REDACTED] 2019

Lab Sample ID: 320-52059-3

Date Collected: 06/26/19 11:17

Matrix: Water

Date Received: 07/09/19 10:15

Method: WS-LC-0025 At1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	1.3	J	2.0	0.75	ng/L	-	07/11/19 12:39	07/12/19 05:39	1
Perfluorooctanesulfonic acid (PFOS)	1.5	J	2.0	1.3	ng/L	-	07/11/19 12:39	07/12/19 05:39	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOA	107		25 - 150				07/11/19 12:39	07/12/19 05:39	1
13C4 PFOS	113		25 - 150				07/11/19 12:39	07/12/19 05:39	1

Client Sample Results

Client: Shannon & Wilson, Inc
Project/Site: Bloom

Job ID: 320-52059-1

Client Sample ID: [REDACTED]-2019

Lab Sample ID: 320-52059-4

Date Collected: 06/26/19 13:13

Matrix: Water

Date Received: 07/09/19 10:15

Method: WS-LC-0025 At1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	3.0		2.0	0.75	ng/L		07/11/19 12:39	07/12/19 05:57	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		07/11/19 12:39	07/12/19 05:57	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOA	106		25 - 150				07/11/19 12:39	07/12/19 05:57	1
13C4 PFOS	107		25 - 150				07/11/19 12:39	07/12/19 05:57	1

Client Sample Results

Client: Shannon & Wilson, Inc
Project/Site: Bloom

Job ID: 320-52059-1

Client Sample ID: [REDACTED] 2019

Lab Sample ID: 320-52059-5

Date Collected: 06/26/19 11:27

Matrix: Water

Date Received: 07/09/19 10:15

Method: WS-LC-0025 At1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	1.3	J	2.0	0.75	ng/L	-	07/11/19 12:39	07/12/19 06:16	1
Perfluorooctanesulfonic acid (PFOS)	1.7	J	2.0	1.3	ng/L	-	07/11/19 12:39	07/12/19 06:16	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOA	110		25 - 150				07/11/19 12:39	07/12/19 06:16	1
13C4 PFOS	106		25 - 150				07/11/19 12:39	07/12/19 06:16	1

Isotope Dilution Summary

Client: Shannon & Wilson, Inc
Project/Site: Bloom

Job ID: 320-52059-1

Method: WS-LC-0025 At1 - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	PFOA (25-150)	PFOS (25-150)
320-52059-1	██████████ 2019	113	112
320-52059-2	██████████ 2019	121	117
320-52059-3	██████████ 2019	107	113
320-52059-4	██████████ 2019	106	107
320-52059-5	██████████ 2019	110	106
LCS 320-307037/2-A	Lab Control Sample	109	112
LCSD 320-307037/3-A	Lab Control Sample Dup	116	116
MB 320-307037/1-A	Method Blank	122	105
Surrogate Legend			
PFOA = 13C4 PFOA			
PFOS = 13C4 PFOS			

QC Sample Results

Client: Shannon & Wilson, Inc
Project/Site: Bloom

Job ID: 320-52059-1

Method: WS-LC-0025 At1 - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-307037/1-A

Matrix: Water

Analysis Batch: 307278

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 307037

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	ND		2.0	0.75	ng/L		07/11/19 12:39	07/12/19 01:02	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		07/11/19 12:39	07/12/19 01:02	1
Isotope Dilution	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOA	122		25 - 150				07/11/19 12:39	07/12/19 01:02	1
13C4 PFOS	105		25 - 150				07/11/19 12:39	07/12/19 01:02	1

Lab Sample ID: LCS 320-307037/2-A

Matrix: Water

Analysis Batch: 307278

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 307037

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits		
Perfluorooctanoic acid (PFOA)	20.0	16.6		ng/L		83	70 - 140		
Perfluorooctanesulfonic acid (PFOS)	18.6	13.2		ng/L		71	69 - 144		
Isotope Dilution	%Recovery	LCS Qualifier	Limits						
13C4 PFOA	109		25 - 150						
13C4 PFOS	112		25 - 150						

Lab Sample ID: LCSD 320-307037/3-A

Matrix: Water

Analysis Batch: 307278

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 307037

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Perfluorooctanoic acid (PFOA)	20.0	16.5		ng/L		83	70 - 140	1	30
Perfluorooctanesulfonic acid (PFOS)	18.6	15.2		ng/L		82	69 - 144	14	30
Isotope Dilution	%Recovery	LCSD Qualifier	Limits						
13C4 PFOA	116		25 - 150						
13C4 PFOS	116		25 - 150						

QC Association Summary

Client: Shannon & Wilson, Inc
Project/Site: Bloom

Job ID: 320-52059-1

LCMS

Prep Batch: 307037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-52059-1	██████████ 2019	Total/NA	Water	PFAS Prep	
320-52059-2	██████████ 2019	Total/NA	Water	PFAS Prep	
320-52059-3	██████████ 2019	Total/NA	Water	PFAS Prep	
320-52059-4	██████████ 2019	Total/NA	Water	PFAS Prep	
320-52059-5	██████████ 2019	Total/NA	Water	PFAS Prep	
MB 320-307037/1-A	Method Blank	Total/NA	Water	PFAS Prep	
LCS 320-307037/2-A	Lab Control Sample	Total/NA	Water	PFAS Prep	
LCSD 320-307037/3-A	Lab Control Sample Dup	Total/NA	Water	PFAS Prep	

Analysis Batch: 307278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-52059-1	██████████ 2019	Total/NA	Water	WS-LC-0025 At1	307037
320-52059-2	██████████ 2019	Total/NA	Water	WS-LC-0025 At1	307037
320-52059-3	██████████ 2019	Total/NA	Water	WS-LC-0025 At1	307037
320-52059-4	██████████ 2019	Total/NA	Water	WS-LC-0025 At1	307037
320-52059-5	██████████ 2019	Total/NA	Water	WS-LC-0025 At1	307037
MB 320-307037/1-A	Method Blank	Total/NA	Water	WS-LC-0025 At1	307037
LCS 320-307037/2-A	Lab Control Sample	Total/NA	Water	WS-LC-0025 At1	307037
LCSD 320-307037/3-A	Lab Control Sample Dup	Total/NA	Water	WS-LC-0025 At1	307037

Lab Chronicle

Client: Shannon & Wilson, Inc
Project/Site: Bloom

Job ID: 320-52059-1

Client Sample ID: [REDACTED] 2019

Lab Sample ID: 320-52059-1

Date Collected: 06/26/19 14:14

Matrix: Water

Date Received: 07/09/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			1.00 mL	1.66 mL	307037	07/11/19 12:39	RDR	TAL SAC
Total/NA	Analysis	WS-LC-0025 At1		1			307278	07/12/19 05:02	P1N	TAL SAC

Client Sample ID: [REDACTED] 2019

Lab Sample ID: 320-52059-2

Date Collected: 06/26/19 12:30

Matrix: Water

Date Received: 07/09/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			1.00 mL	1.66 mL	307037	07/11/19 12:39	RDR	TAL SAC
Total/NA	Analysis	WS-LC-0025 At1		1			307278	07/12/19 05:20	P1N	TAL SAC

Client Sample ID: [REDACTED] 2019

Lab Sample ID: 320-52059-3

Date Collected: 06/26/19 11:17

Matrix: Water

Date Received: 07/09/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			1.00 mL	1.66 mL	307037	07/11/19 12:39	RDR	TAL SAC
Total/NA	Analysis	WS-LC-0025 At1		1			307278	07/12/19 05:39	P1N	TAL SAC

Client Sample ID: [REDACTED] 2019

Lab Sample ID: 320-52059-4

Date Collected: 06/26/19 13:13

Matrix: Water

Date Received: 07/09/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			1.00 mL	1.66 mL	307037	07/11/19 12:39	RDR	TAL SAC
Total/NA	Analysis	WS-LC-0025 At1		1			307278	07/12/19 05:57	P1N	TAL SAC

Client Sample ID: [REDACTED] 2019

Lab Sample ID: 320-52059-5

Date Collected: 06/26/19 11:27

Matrix: Water

Date Received: 07/09/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			1.00 mL	1.66 mL	307037	07/11/19 12:39	RDR	TAL SAC
Total/NA	Analysis	WS-LC-0025 At1		1			307278	07/12/19 06:16	P1N	TAL SAC

Laboratory References:

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

Eurofins TestAmerica, Sacramento

Accreditation/Certification Summary

Client: Shannon & Wilson, Inc
Project/Site: Bloom

Job ID: 320-52059-1

Laboratory: Eurofins 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		L2468	01-20-21
ANAB	DOE		L2468.01	01-20-21
Arizona	State Program	9	AZ0708	08-11-19
Arkansas DEQ	State Program	6	88-0691	06-17-20
California	State Program	9	2897	01-31-20
Colorado	State Program	8	CA00044	08-31-19
Connecticut	State		PH-0691	06-30-21
Connecticut	State Program	1	PH-0691	06-30-21
Florida	NELAP	4	E87570	06-30-20
Florida	NELAP		E87570	06-30-20
Hawaii	State Program	9	N/A	01-29-20
Illinois	NELAP	5	200060	03-17-19 *
Kansas	NELAP	7	E-10375	10-31-19
Louisiana	NELAP	6	30612	06-30-20
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	04-20-20
New York	NELAP	2	11666	04-01-20
Oregon	NELAP	10	4040	01-29-20
Oregon	NELAP		4040	01-29-20
Pennsylvania	NELAP	3	68-01272	03-31-20
Pennsylvania	NELAP		68-01272	03-31-20
Texas	NELAP	6	T104704399	05-31-20
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	02-29-20
Vermont	State Program	1	VT-4040	04-16-20
Virginia	NELAP	3	460278	03-14-20
Washington	State Program	10	C581	05-05-20
West Virginia (DW)	State Program	3	9930C	12-31-19
Wyoming	State Program	8	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Sacramento

Method Summary

Client: Shannon & Wilson, Inc
Project/Site: Bloom

Job ID: 320-52059-1

Method	Method Description	Protocol	Laboratory
WS-LC-0025 At1	Fluorinated Alkyl Substances	TAL-SAC	TAL SAC
PFAS Prep	Preparation, Direct Inject PFAS	TAL-SAC	TAL SAC

Protocol References:

TAL-SAC = TestAmerica Laboratories, West Sacramento, Facility Standard Operating Procedure.

Laboratory References:

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

Sample Summary

Client: Shannon & Wilson, Inc
Project/Site: Bloom

Job ID: 320-52059-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-52059-1	██████████ 2019	Water	06/26/19 14:14	07/09/19 10:15	
320-52059-2	██████████ 2019	Water	06/26/19 12:30	07/09/19 10:15	
320-52059-3	██████████ 2019	Water	06/26/19 11:17	07/09/19 10:15	
320-52059-4	██████████ 2019	Water	06/26/19 13:13	07/09/19 10:15	
320-52059-5	██████████ 2019	Water	06/26/19 11:27	07/09/19 10:15	



SHANNON & WILSON, INC.
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS
2355 Hill Road
Fairbanks, AK 99709
(907) 479-0600
www.shannonwilson.com

CHAIN-OF-CUSTODY RECORD

Laboratory 0225 Test America
Attn: D. Alltucker
Page 1 of 1
Analytical Methods (include preservative if used)

Turn Around Time: ☒ Normal ☐ Rush
Please Specify

Quote No:

J-Flags: ☒ Yes ☐ No

Sample Identity	Lab No.	Time	Date Sampled	Total Number of Containers	Remarks/Matrix Composition/Grab? Sample Containers
2019		1414	6/26/19	X	groundwater
2019		1230		X	
2019		1117		X	
2019		1313		X	
2019		1127		X	



320-52059 Chain of Custody

Project Information	Sample Receipt	Relinquished By: 1.	Relinquished By: 2.	Relinquished By: 3.
Number: <u>103039</u>	Total No. of Containers:	Signature: <u>[Signature]</u>	Signature: _____	Signature: _____
Name: <u>Bloom</u>	COC Seals/Intact? <u>Y/N/A</u>	Printed Name: <u>A. Masters</u>	Printed Name: _____	Printed Name: _____
Contact: <u>Shirley Harkley</u>	Received Good Cond./Cold	Date: <u>7/8/19</u>	Date: _____	Date: _____
Ongoing Project? Yes ☐ No ☒	Temp: <u>4.60</u>	Company: <u>Shannon + Wilson, Inc.</u>	Company: _____	Company: _____
Sampler: <u>AM</u>	Delivery Method: <u>goldstream</u>	Received By: 1.	Received By: 2.	Received By: 3.
Notes:		Signature: <u>[Signature]</u>	Signature: _____	Signature: _____
		Printed Name: <u>[Signature]</u>	Printed Name: _____	Printed Name: _____
		Date: <u>7/10/19</u>	Date: _____	Date: _____
		Company: <u>FW SA</u>	Company: _____	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: 320-52059-1

Login Number: 52059

List Number: 1

Creator: Her, David A

List Source: Eurofins TestAmerica, Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	SEALS
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	GEL PACKS
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	