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: 320-39756-1
Client Project/Site: PFAS Analysis

For:
Marinette WWTP
1603 Ely Street
Marinette, Wisconsin 54143

Attn: Gabe Aschbacher

Sandie Fredrick

Authorized for release by:
6/22/2018 8:08:12 AM

Sandie Fredrick, Project Manager II
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Table of Contents

Definitions/Glossary

Client: Marinette WWTP
Project/Site: PFAS Analysis

TestAmerica Job ID: 320-39756-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

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: Marinette WWTP
Project/Site: PFAS Analysis

TestAmerica Job ID: 320-39756-1

Job ID: 320-39756-1

Laboratory: TestAmerica Sacramento

Narrative

Job Narrative
320-39756-1

Comments
No additional comments.

Receipt
The sample was received on 5/24/2018 9:00 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.5º C.

LCMS
No analytical or quality issues were noted, other than those described 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
Method(s) SHAKE: Due to absorbency of the matrix, (fiber carpet), sample was weighed out at 1.0 grams instead of 5.0 grams, which deviates from the standard procedure: OF 003 SLUDGE (320-39756-1). The reporting limits (RLs) have been adjusted proportionately. Method code:Shake_Bath_14D. Matrix: solid Prep batch 320-226103

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

Detection Summary

Client: Marinette WWTP
Project/Site: PFAS Analysis

TestAmerica Job ID: 320-39756-1

Client Sample ID: OF 003 SLUDGE

Lab Sample ID: 320-39756-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	290		5.9	1.2	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.7	J	5.9	0.86	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	10		5.9	2.5	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	3.2	J	5.9	1.1	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	5.3	J	5.9	0.65	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	14		5.9	1.1	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	7.6		5.9	2.0	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorotridecanoic Acid (PFTriA)	4.4	J	5.9	1.5	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	3.0	J	5.9	1.6	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	30		5.9	0.92	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	210		15	5.9	ug/Kg	1	☼	537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OF 003 SLUDGE
Date Collected: 05/23/18 14:00
Date Received: 05/24/18 09:00

Lab Sample ID: 320-39756-1
Matrix: Solid
Percent Solids: 3.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	290		5.9	1.2	ug/Kg	☼	05/30/18 03:46	06/19/18 17:04	1
Perfluoroheptanoic acid (PFHpA)	3.7	J	5.9	0.86	ug/Kg	☼	05/30/18 03:46	06/19/18 17:04	1
Perfluorooctanoic acid (PFOA)	10		5.9	2.5	ug/Kg	☼	05/30/18 03:46	06/19/18 17:04	1
Perfluorononanoic acid (PFNA)	3.2	J	5.9	1.1	ug/Kg	☼	05/30/18 03:46	06/19/18 17:04	1
Perfluorodecanoic acid (PFDA)	5.3	J	5.9	0.65	ug/Kg	☼	05/30/18 03:46	06/19/18 17:04	1
Perfluoroundecanoic acid (PFUnA)	14		5.9	1.1	ug/Kg	☼	05/30/18 03:46	06/19/18 17:04	1
Perfluorododecanoic acid (PFDoA)	7.6		5.9	2.0	ug/Kg	☼	05/30/18 03:46	06/19/18 17:04	1
Perfluorotridecanoic Acid (PFTriA)	4.4	J	5.9	1.5	ug/Kg	☼	05/30/18 03:46	06/19/18 17:04	1
Perfluorotetradecanoic acid (PFTeA)	3.0	J	5.9	1.6	ug/Kg	☼	05/30/18 03:46	06/19/18 17:04	1
Perfluorobutanesulfonic acid (PFBS)	<0.74		5.9	0.74	ug/Kg	☼	05/30/18 03:46	06/19/18 17:04	1
Perfluorohexanesulfonic acid (PFHxS)	30		5.9	0.92	ug/Kg	☼	05/30/18 03:46	06/19/18 17:04	1
Perfluorooctanesulfonic acid (PFOS)	210		15	5.9	ug/Kg	☼	05/30/18 03:46	06/19/18 17:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFHxA	*78*		*25 - 150*	*05/30/18 03:46*	*06/19/18 17:04*	*1*
13C4-PFHpA	*89*		*25 - 150*	*05/30/18 03:46*	*06/19/18 17:04*	*1*
13C4 PFOA	*89*		*25 - 150*	*05/30/18 03:46*	*06/19/18 17:04*	*1*
13C5 PFNA	*68*		*25 - 150*	*05/30/18 03:46*	*06/19/18 17:04*	*1*
13C2 PFDA	*61*		*25 - 150*	*05/30/18 03:46*	*06/19/18 17:04*	*1*
13C2 PFUnA	*75*		*25 - 150*	*05/30/18 03:46*	*06/19/18 17:04*	*1*
13C2 PFDoA	*48*		*25 - 150*	*05/30/18 03:46*	*06/19/18 17:04*	*1*
13C2-PFTeDA	*28*		*25 - 150*	*05/30/18 03:46*	*06/19/18 17:04*	*1*
13C3-PFBS	*83*		*25 - 150*	*05/30/18 03:46*	*06/19/18 17:04*	*1*
18O2 PFHxS	*88*		*25 - 150*	*05/30/18 03:46*	*06/19/18 17:04*	*1*
13C4 PFOS	*53*		*25 - 150*	*05/30/18 03:46*	*06/19/18 17:04*	*1*

General Chemistry

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	96.6		0.1	0.1	%			06/01/18 16:04	1
Percent Solids	3.4		0.1	0.1	%			06/01/18 16:04	1

Isotope Dilution Summary

Client: Marinette WWTP
Project/Site: PFAS Analysis

TestAmerica Job ID: 320-39756-1

Method: 537 (modified) - Fluorinated Alkyl Substances

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFHxA	PFHpA	PFOA	PFNA	PFDA	PFUnA	PFDoA	PFTDA
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
320-39756-1	OF 003 SLUDGE	78	89	89	68	61	75	48	28
LCS 320-226103/2-A	Lab Control Sample	83	86	92	87	89	86	75	79
MB 320-226103/1-A	Method Blank	87	89	93	90	91	87	85	78

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		3C3-PFBS	PFHxS	PFOS					
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)					
320-39756-1	OF 003 SLUDGE	83	88	53					
LCS 320-226103/2-A	Lab Control Sample	79	86	85					
MB 320-226103/1-A	Method Blank	82	91	87					

Surrogate Legend

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

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-226103/1-A
Matrix: Solid
Analysis Batch: 229906

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 226103

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	<0.042		0.20	0.042	ug/Kg		05/30/18 03:45	06/19/18 14:51	1
Perfluoroheptanoic acid (PFHpA)	<0.029		0.20	0.029	ug/Kg		05/30/18 03:45	06/19/18 14:51	1
Perfluorooctanoic acid (PFOA)	<0.086		0.20	0.086	ug/Kg		05/30/18 03:45	06/19/18 14:51	1
Perfluorononanoic acid (PFNA)	<0.036		0.20	0.036	ug/Kg		05/30/18 03:45	06/19/18 14:51	1
Perfluorodecanoic acid (PFDA)	<0.022		0.20	0.022	ug/Kg		05/30/18 03:45	06/19/18 14:51	1
Perfluoroundecanoic acid (PFUnA)	<0.036		0.20	0.036	ug/Kg		05/30/18 03:45	06/19/18 14:51	1
Perfluorododecanoic acid (PFDoA)	<0.067		0.20	0.067	ug/Kg		05/30/18 03:45	06/19/18 14:51	1
Perfluorotridecanoic Acid (PFTriA)	<0.051		0.20	0.051	ug/Kg		05/30/18 03:45	06/19/18 14:51	1
Perfluorotetradecanoic acid (PFTeA)	<0.054		0.20	0.054	ug/Kg		05/30/18 03:45	06/19/18 14:51	1
Perfluorobutanesulfonic acid (PFBS)	<0.025		0.20	0.025	ug/Kg		05/30/18 03:45	06/19/18 14:51	1
Perfluorohexanesulfonic acid (PFHxS)	<0.031		0.20	0.031	ug/Kg		05/30/18 03:45	06/19/18 14:51	1
Perfluorooctanesulfonic acid (PFOS)	<0.20		0.50	0.20	ug/Kg		05/30/18 03:45	06/19/18 14:51	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFHxA	*87*		*25 - 150*	*05/30/18 03:45*	*06/19/18 14:51*	*1*
13C4-PFHpA	*89*		*25 - 150*	*05/30/18 03:45*	*06/19/18 14:51*	*1*
13C4 PFOA	*93*		*25 - 150*	*05/30/18 03:45*	*06/19/18 14:51*	*1*
13C5 PFNA	*90*		*25 - 150*	*05/30/18 03:45*	*06/19/18 14:51*	*1*
13C2 PFDA	*91*		*25 - 150*	*05/30/18 03:45*	*06/19/18 14:51*	*1*
13C2 PFUnA	*87*		*25 - 150*	*05/30/18 03:45*	*06/19/18 14:51*	*1*
13C2 PFDoA	*85*		*25 - 150*	*05/30/18 03:45*	*06/19/18 14:51*	*1*
13C2-PFTeDA	*78*		*25 - 150*	*05/30/18 03:45*	*06/19/18 14:51*	*1*
13C3-PFBS	*82*		*25 - 150*	*05/30/18 03:45*	*06/19/18 14:51*	*1*
18O2 PFHxS	*91*		*25 - 150*	*05/30/18 03:45*	*06/19/18 14:51*	*1*
13C4 PFOS	*87*		*25 - 150*	*05/30/18 03:45*	*06/19/18 14:51*	*1*

Lab Sample ID: LCS 320-226103/2-A
Matrix: Solid
Analysis Batch: 229906

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 226103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid (PFHxA)	2.00	1.78		ug/Kg		89	75 - 125
Perfluoroheptanoic acid (PFHpA)	2.00	1.89		ug/Kg		94	76 - 124
Perfluorooctanoic acid (PFOA)	2.00	1.70		ug/Kg		85	76 - 121
Perfluorononanoic acid (PFNA)	2.00	1.85		ug/Kg		93	74 - 126
Perfluorodecanoic acid (PFDA)	2.00	1.69		ug/Kg		85	74 - 124
Perfluoroundecanoic acid (PFUnA)	2.00	1.80		ug/Kg		90	74 - 114
Perfluorododecanoic acid (PFDoA)	2.00	1.95		ug/Kg		97	75 - 123
Perfluorotridecanoic Acid (PFTriA)	2.00	1.91		ug/Kg		96	43 - 116
Perfluorotetradecanoic acid (PFTeA)	2.00	1.78		ug/Kg		89	22 - 129
Perfluorobutanesulfonic acid (PFBS)	1.77	1.74		ug/Kg		99	73 - 142
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.62		ug/Kg		89	75 - 121
Perfluorooctanesulfonic acid (PFOS)	1.86	1.63		ug/Kg		88	69 - 131

QC Sample Results

Client: Marinette WWTP
Project/Site: PFAS Analysis

TestAmerica Job ID: 320-39756-1

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 PFHxA	83		25 - 150
13C4-PFHpA	86		25 - 150
13C4 PFOA	92		25 - 150
13C5 PFNA	87		25 - 150
13C2 PFDA	89		25 - 150
13C2 PFUnA	86		25 - 150
13C2 PFDoA	75		25 - 150
13C2-PFTeDA	79		25 - 150
13C3-PFBS	79		25 - 150
18O2 PFHxS	86		25 - 150
13C4 PFOS	85		25 - 150

QC Association Summary

Client: Marinette WWTP
Project/Site: PFAS Analysis

TestAmerica Job ID: 320-39756-1

LCMS

Prep Batch: 226103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-39756-1	OF 003 SLUDGE	Total/NA	Solid	SHAKE	
MB 320-226103/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-226103/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 229906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-39756-1	OF 003 SLUDGE	Total/NA	Solid	537 (modified)	226103
MB 320-226103/1-A	Method Blank	Total/NA	Solid	537 (modified)	226103
LCS 320-226103/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	226103

General Chemistry

Analysis Batch: 226751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-39756-1	OF 003 SLUDGE	Total/NA	Solid	D 2216	

Lab Chronicle

Client: Marinette WWTP
Project/Site: PFAS Analysis

TestAmerica Job ID: 320-39756-1

Client Sample ID: OF 003 SLUDGE
Date Collected: 05/23/18 14:00
Date Received: 05/24/18 09:00

Lab Sample ID: 320-39756-1
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			226751	06/01/18 16:04	TCS	TAL SAC

Client Sample ID: OF 003 SLUDGE
Date Collected: 05/23/18 14:00
Date Received: 05/24/18 09:00

Lab Sample ID: 320-39756-1
Matrix: Solid
Percent Solids: 3.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			5.00 g	10.00 mL	226103	05/30/18 03:46	HJA	TAL SAC
Total/NA	Analysis	537 (modified)		1			229906	06/19/18 17:04	D1R	TAL SAC

Laboratory References:

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

Accreditation/Certification Summary

Client: Marinette WWTP
Project/Site: PFAS Analysis

TestAmerica Job ID: 320-39756-1

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
Arizona	State Program	9	AZ0708	08-11-18
Arkansas DEQ	State Program	6	88-0691	06-17-19
California	State Program	9	2897	01-31-19
Colorado	State Program	8	CA00044	08-31-18
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	10-31-18
L-A-B	DoD ELAP		L2468	01-20-21
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	07-31-18
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	07-31-18
USDA	Federal		P330-11-00436	01-17-21
USEPA UCMR	Federal	1	CA00044	11-06-18
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

Laboratory: TestAmerica Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-18 *

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

Method Summary

Client: Marinette WWTP
Project/Site: PFAS Analysis

TestAmerica Job ID: 320-39756-1

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

Sample Summary

Client: Marinette WWTP
Project/Site: PFAS Analysis

TestAmerica Job ID: 320-39756-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-39756-1	OF 003 SLUDGE	Solid	05/23/18 14:00	05/24/18 09:00

TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916.373.5600 Fax:

Chain of Custody Record

240416

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

TAL-8210 (0713)

Regulatory Program: ☐ DW ☒ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Gabe Aschbacher	Site Contact: Gabe Aschbacher	Date:	COC No: 240416
Company Name: Marinette WWTP	Tel/Fax: 715-923-0760	Lab Contact: Gabe Aschbacher	Carrier: Fedex Prepaid	1 of 1 COCs
Address: 1603 Ely Street	Analysis Turnaround Time			Sampler:
City/State/Zip: Marinette / WI / 54143	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone: 715-923-0760	TAT if different from Below _____			Walk-in Client:
Fax:	☒ 2 weeks			Lab Sampling:
Project Name: PFAS Analysis	☐ 1 week			
Site: Marinette WWTP	☐ 2 days			Job / SDG No.:
PO #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	375-73-5	307-24-4	375-85-9	355-46-4	335-67-1	375-95-1	1763-23-1	375-76-2	2058-94-8	307-55-1	72629-94-8	376-06-7	Sample Specific Notes:
OF 003 SLUDGE	5-23-18	1400	C	Solid	1	N		x	x	x	x	x	x	x	x	x	x	x	x	Shipped on ice.

320-39756 Chain of Custody

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.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☒ Archive for 1 Months

Special Instructions/QC Requirements & Comments:
Analyze for PFAS compounds as listed above by CAS #

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 0.7 Corr'd: _____ | Therm ID No.: AK5

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company: Marinette WWTP	Date/Time: 1500 5-23-18	Received in Laboratory by:	Company: TALSAC	Date/Time: 5/24/18 900

6/22/2018

Login Sample Receipt Checklist

Client: Marinette WWTP

Job Number: 320-39756-1

Login Number: 39756
List Number: 1
Creator: Nelson, Kym D

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.	True	
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?	False	
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	