Cover Page



429 River Lane • PO Box 27 Amasa, MI 49903 • Ph (906) 822-7889 • Fax -7977

Client: Burt Township WWA Job #: 999								
Project: Date Received:	WSSN 2780 5/12/2022	Date Reported: 5/2	18/2022					
Sample Number 99907-001 99907-002	Client Sample ID Well 3 Field Blank	Date/Time Sampled 5/11/2022 12:50 5/11/2022 12:50	Sample Matrix Drinking water Drinking water					

Cover Page..continued

ANALYTICAL REPORT



429 River Lane • PO Box 27 Amasa, MI 49903 • Ph (906) 822-7889 • Fax -7977

Client: Burt Township

WWA Job #: 99907

Comments (if any):

TAL Cert. 9937, 9925, 9926

Key to Laboratory Flags:

- *: RPD/RSD exceeds limits.
- B: The analyte was found in the associated blank as well as in the sample.
- J: The quantitation is an estimated value because the result is less than the sample quantitation limit but greater than the detection limit.
- M: A matrix effect was present.
- Q: Batch QC data associated with the analysis does not meet the stated objectives
- H: Indicates analytical holding time exceedance.

ND = Not Detected, MDL = Method Detection Limit, MQL = Method Quantitation Limit ppm = mg/L (liquid) or mg/kg (solid), ppb = ug/L (liquid) or ug/kg (solid) For coliform, Negative = No coliform bacteria detected, Positive = Coliform bacteria detected

Sample Types: S = Solids, DW = Drinking water, D = Dissolved, T = Total, TC = TCLP extract, SP = SPLP extract

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without the written approval of this laboratory. The Chain of Custody is attached.

This report satisfies the requirements of your project but has not been prepared to comply with NELAP and DoD QSM V5.4 reporting requirements.

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and White Water Associates Standard Operating Procedures. Exceptions, if any, are discussed in the accompanying sample narrative. Release of this Final Report is authorized by White Water Associates management, as is verified by the following signature.

Approved By: Electronically signed by Bette J. Premo

tremo

WI DNR Lab Certification Number: 999971280 MI EGLE Certification Number: 9306 DoD-ELAP QSM V5.4 Accreditation Number: 65802 by PJLA for Environmental Testing ISO/IEC 17025:2017 Accredited PJLA 65802

Job # (WWA office use): CLIENT NAME / BILL TO BURT TOWN	990 ⁻ P	7-	C EMAI Put		FA	OF- SS		R sto	e- 201			pl DRE Pro	l) Den	1		4		WH Asso	[T] CI	E V AT	VA Es,	TE	ER IC.	Form 4-2 Version 201026 Page:OF
ADDRESS E2178 POBOX430, COAS	Z FGNARD	FT, FD.	TELE	EPHC 106	NE	28	37	- 4	95	2Ž	5	pc			429 River Lane, P.O. Box 27 Phor Amasa, Michigan 49903 Web:				Phone Neb: v	f :: (906) 822-7889, Fax -7977 vhite-water-associates.com				
CITY GRAND MARAIS	STATE MI	ZIP 498397	CON	TRA		0 / P	ROJE	ECTN	VAME	E / WS	ssn#	7E	30	>	TE	ST / A		YSIS REC	UES	red (A	ttach lis	t if neee	eded)	Instructions to White Water Send my report-by:
SAMPLER NAME (print hirsulast ha	ett			<u>A10</u>	5 <u>6</u>				(H	DE: 00	>1												mail
Malan 1. Jal			Rep	n te : <u>Sc</u> eat, R	ource T law, Pr	<u>ype</u> = ocess	Routin , or Ot	ther.	WW/ conta	A noted	d upor	n arriva eserva	al, data ation d	abase etails.										Unless otherwise noted, drinking water report copies are sent to EGLE and
SAMPLE ID AND LOCATION Containers for each sample may be combined on one line.	DATE	TIME	x Code (key below)	p Type (G)rab (C)omp	ed	dual Chlorine	σ	04	RES EC	ERVA	TIVE	Thio		ber of Containers	PAS									Health Dept. REMARKS (Note any special instructions provided by client or
Well #3	5-11-27	H oopn) 12:50Pm	🌮 Matri	Sam	Filter	Resid	< Non	H2S	ONH	HCI	NaO	Na T	Othe	Mum 1	1									conditions of receipt noted by WWA lab staff.)
VWerr #73 Der chient	5-11-72	1:00000 12500 perchic	ord rt											1	7									
2 Field Blank	= 11/22	1250	Du?				X Ū							NH-	X									
Relinquished by: MICHAELL BEEK Relinquished by:		Date: 5-11-72 Date:	Time 1:15 Time	:: [pm ::	Rece	eived	by:						Date););]2]2	2	Time););])	Commen	is/sam	nple te	emp or	n rece	ipt:	Packing: Ice Cooler
Matrix Code: Drinking Water (DW) WHITE - RETURN W/ F	, Ground W	ater (GW), V CANA	Vater (\RY - \	(W), 8 N/ S/	Sedim AMPL	ient (i ES	Sa) , S	Soil/S Pl	olid (: INK -	S), TO CUST	clp (tome	T C), : ER	SPLP	(SP)	, Othe	ər (O)		UPS	ン 8日 F	FedEx	ເ 0	spst		ent⊟ Other



Date logged in.: 5/12/2022 **Project No.:** 99907 Login person's initials: JT Burt Township Client: Number of coolers: 1 **WSSN 2780 Courier/shipper:** USPS **Project name:** \checkmark 1. Custody seals/original packing tape were intact (if applicable). \checkmark 2. Samples are in good condition, i.e. not broken or leaking. \checkmark 3. Samples were received within holding times. NOTES on #4: 4. Samples were received on ice (in direct contact with the samples). \checkmark 6 \checkmark 5. Temperature of the samples was between 0-6°C. Temp.: NOTE: Samples not between 0-6°C that are received at the laboratory on the day of sample collections do not require client notification. ✓ 6. Samples matched the Chain of Custody (COC). \checkmark 7. Proper containers were used. \checkmark 8. Samples were collected in White Water lab containers. \checkmark 9. There is adequate sample volume for requested analyses and QC. 10. For water VOC samples, headspace is less than the size of a pea. 11. Samples are preserved to the proper pH. Sample bottles and preservation are \checkmark noted in LIMS Sample Container Section. \checkmark 12. The COC is signed. (either Sampler or Relinquished by) 13. Sub-sampling (SS) is required. Bottles created are noted in sample containers section of log-in form. 14. For Dissolved Analysis (when applicable), samples were filtered in the lab. \checkmark 15. For soil VOCs, methanol preserved samples were received. 16. For Soil VOCs, samples were preserved with methanol in the lab. \square

17. Client contact is necessary. Provide documentation below. \square

COMMENTS/CORRECTIVE ACTION

CLIENT RESPONSE

Note: If hold time, volume, and received on ice or temperature criteria are not met when required by the method, results may not be able to be used for regulatory purposes. Check with your reporting agency for more information.

Login Checklist

🛟 eurofins

Environment Testing America

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Environment Testing, LLC 2425 New Holland Pike Lancaster, PA 17601 Tel: (717)656-2300

Laboratory Job ID: 410-84016-2

Client Project/Site: 99907

For:

..... Links

Review your project results through

EOL

Have a Question?

Ask-

The

www.eurofinsus.com/Env

Visit us at:

Expert

White Water Associates 429 River Lane PO BOX 27 Amasa, Michigan 49903

Attn: Bette J Premo

Elizabeth M. Janar

Authorized for release by: 5/18/2022 6:32:37 AM

Elizabeth Zanar, Project Manager (717)556-7290 Elizabeth.Zanar@et.eurofinsus.com

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 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.

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

• QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.

• Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.

Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Elizabeth M. Janar

Elizabeth Zanar Project Manager 5/18/2022 6:32:37 AM

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Client: White Water Associates Project/Site: 99907

3

Qualifiers

0		
	R.	
0		

Qualifier		
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
Glossary		5
Abbreviation	These commonly used abbreviations may or may not be present in this report.	6
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
1C	Result is from the primary column on a dual-column method.	
2C	Result is from the confirmation column on a dual-column method.	0
CFL	Contains Free Liquid	0
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	9
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)	13
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	

Job ID: 410-84016-2

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-84016-2

Receipt

The samples were received on 5/13/2022 11:06 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 time was 0.7°C

PFAS

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

Detection Summary

Lab Sample ID: 410-84016-3

Lab Sample ID: 410-84016-4

No Detections.

Project/Site: 99907

Client Sample ID: 99907-002

This Detection Summary does not include radiochemical test results.

Client Sample ID: 99907-001

Client: White Water Associates

No Detections.

Client Sample ID: 99907-001 Date Collected: 05/11/22 12:50

Date Received: 05/13/22 11:06

Lab Sample ID: 410-84016-3

Lab Sample ID: 410-84016-4

Matrix: Drinking Water

Matrix: Drinking Water

5

6

Method: EPA 537.1 - EPA 537.	1, Ver 1.0 Nov 201	8							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
Perfluoroheptanoic acid	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
Perfluorooctanoic acid	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
Perfluorononanoic acid	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
Perfluorodecanoic acid	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
Perfluorotridecanoic acid	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
Perfluorotetradecanoic acid	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
Perfluorobutanesulfonic acid	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
Perfluorohexanesulfonic acid	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
Perfluorooctanesulfonic acid	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
NEtFOSAA	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
NMeFOSAA	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
Perfluoroundecanoic acid	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
Perfluorododecanoic acid	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
HFPODA	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
9CI-PF3ONS	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
11CI-PF3OUdS	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
DONA	ND		2		ng/L		05/16/22 08:23	05/16/22 22:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFDA	128		70 - 130				05/16/22 08:23	05/16/22 22:35	1
13C2 PFHxA	111		70 - 130				05/16/22 08:23	05/16/22 22:35	1
13C3 HFPO-DA	89		70 - 130				05/16/22 08:23	05/16/22 22:35	1
d5-NEtFOSAA	104		70 - 130				05/16/22 08:23	05/16/22 22:35	1

Client Sample ID: 99907-002

Date Collected: 05/11/22 12:50 Date Received: 05/13/22 11:06

Method: EPA 537.1 - EPA 537.1,	lethod: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018												
Analyte	Result Quali	ifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac					
Perfluorohexanoic acid	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
Perfluoroheptanoic acid	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
Perfluorooctanoic acid	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
Perfluorononanoic acid	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
Perfluorodecanoic acid	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
Perfluorotridecanoic acid	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
Perfluorotetradecanoic acid	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
Perfluorobutanesulfonic acid	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
Perfluorohexanesulfonic acid	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
Perfluorooctanesulfonic acid	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
NEtFOSAA	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
NMeFOSAA	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
Perfluoroundecanoic acid	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
Perfluorododecanoic acid	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
HFPODA	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
9CI-PF3ONS	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
11CI-PF3OUdS	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					
DONA	ND	2		ng/L		05/16/22 08:23	05/17/22 12:28	1					

Limits

70 - 130

70 - 130

70 - 130

70 - 130

%Recovery Qualifier

118

108

98

101

Client Sample ID: 99907-002

Date Collected: 05/11/22 12:50 Date Received: 05/13/22 11:06

Surrogate

13C2 PFDA

13C2 PFHxA

13C3 HFPO-DA

d5-NEtFOSAA

Lab	Sample	ID:	410-84016-	4

Analyzed

05/17/22 12:28

05/17/22 12:28

05/17/22 12:28

05/17/22 12:28

Prepared

05/16/22 08:23

05/16/22 08:23

05/16/22 08:23

05/16/22 08:23

Matrix: Drinking Water

Job ID: 410-84016-2

Dil Fac 1	5
1 1	6
1	
	8
	ç
	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 Matrix: Drinking Water

Prep Type: Total/NA

				Percent Su	rrogate Rec
		PFDA	PFHxA	HFPODA	d5NEFOS
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
410-84016-3	99907-001	128	111	89	104
410-84016-4	99907-002	118	108	98	101
LCS 410-255511/2-A	Lab Control Sample	125	108	85	106
LCSD 410-255511/3-A	Lab Control Sample Dup	125	114	105	102
LLCS 410-255511/4-A	Lab Control Sample	111	93	79	85
MB 410-255511/1-A	Method Blank	112	101	91	98
Surrogate Legend					

PFDA = 13C2 PFDA PFHxA = 13C2 PFHxA HFPODA = 13C3 HFPO-DA d5NEFOS = d5-NEtFOSAA

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Lab Sample ID: MB 410-255511/1-A Matrix: Drinking Water

Analysis Batch: 256032

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
Perfluoroheptanoic acid	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
Perfluorooctanoic acid	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
Perfluorononanoic acid	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
Perfluorodecanoic acid	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
Perfluorotridecanoic acid	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
Perfluorotetradecanoic acid	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
Perfluorobutanesulfonic acid	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
Perfluorohexanesulfonic acid	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
Perfluorooctanesulfonic acid	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
NEtFOSAA	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
NMeFOSAA	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
Perfluoroundecanoic acid	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
Perfluorododecanoic acid	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
HFPODA	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
9CI-PF3ONS	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
11CI-PF3OUdS	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1
DONA	ND		2		ng/L		05/16/22 08:23	05/17/22 11:53	1

	MB	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	112		70 - 130	05/16/22 08:23	05/17/22 11:53	1
13C2 PFHxA	101		70 - 130	05/16/22 08:23	05/17/22 11:53	1
13C3 HFPO-DA	91		70 - 130	05/16/22 08:23	05/17/22 11:53	1
d5-NEtFOSAA	98		70 - 130	05/16/22 08:23	05/17/22 11:53	1

Lab Sample ID: LCS 410-255511/2-A Matrix: Drinking Water Analysis Batch: 255586

Analysis Batch: 255586							Prep Batch: 255511
	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Perfluorohexanoic acid	20.5	19		ng/L		93	70 - 130
Perfluoroheptanoic acid	20.5	19		ng/L		94	70 - 130
Perfluorooctanoic acid	20.5	18		ng/L		89	70 - 130
Perfluorononanoic acid	20.5	17		ng/L		83	70 - 130
Perfluorodecanoic acid	20.5	19		ng/L		92	70 - 130
Perfluorotridecanoic acid	20.5	19		ng/L		95	70 - 130
Perfluorotetradecanoic acid	20.5	18		ng/L		89	70 - 130
Perfluorobutanesulfonic acid	18.1	18		ng/L		100	70 - 130
Perfluorohexanesulfonic acid	18.7	18		ng/L		95	70 - 130
Perfluorooctanesulfonic acid	19.0	17		ng/L		91	70 - 130
NEtFOSAA	20.5	19		ng/L		94	70 - 130
NMeFOSAA	20.5	20		ng/L		99	70 - 130
Perfluoroundecanoic acid	20.5	20		ng/L		95	70 - 130
Perfluorododecanoic acid	20.5	19		ng/L		95	70 - 130
HFPODA	20.5	15		ng/L		75	70 - 130
9CI-PF3ONS	19.0	17		ng/L		87	70 - 130
11CI-PF3OUdS	19.0	17		ng/L		88	70 - 130
DONA	19.4	18		ng/L		93	70 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

5

8

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 255511

Page 10 of 19

Matrix: Drinking Water Analysis Batch: 255586

Surrogate

13C2 PFDA

13C2 PFHxA

13C3 HFPO-DA

d5-NEtFOSAA

Lab Sample ID: LCS 410-255511/2-A

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

LCS LCS

%Recovery Qualifier

125

108

85

106

	0102							
	ample tal/NA	ontrol Sa ype: Tot	ID: Lab Co Prep T	Sample	Client			
5	55511	Batch: 2	Prep E					
Э								
8		l Samnlı	ab Contro	nio ID: I	nt Sam	Clie		
Q	tal/NA	ype: Tot	Prep T		in our	one		
9	55511	Batch: 2	Prep E					
	RPD		%Rec				LCSD	LCSD
	Limit	RPD	Limits	%Rec	D	Unit	Qualifier	Result
	30	15	70 - 130	108		ng/L		22
	30	12	70 - 130	105		ng/L		21
	30	19	70 - 130	108		ng/L		22
	30	25	70 - 130	107		ng/L		22
	30	9	70 - 130	101		ng/L		21
13	30	4	70 - 130	99		ng/L		20
	30	8	70 - 130	96		ng/L		20
	30	6	70 - 130	106		ng/L		19
	30	12	70 - 130	107		ng/L		20
		44	70 120	100		ng/l		10

.lob ID: 410-84016-2

Lab Sample ID: LCSD 410-255511/3-A
Matrix: Drinking Water
Analysis Batch: 256032

Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Perfluorohexanoic acid			20.5	22		ng/L		108	70 - 130	15	30
Perfluoroheptanoic acid			20.5	21		ng/L		105	70 - 130	12	30
Perfluorooctanoic acid			20.5	22		ng/L		108	70 - 130	19	30
Perfluorononanoic acid			20.5	22		ng/L		107	70 - 130	25	30
Perfluorodecanoic acid			20.5	21		ng/L		101	70 - 130	9	30
Perfluorotridecanoic acid			20.5	20		ng/L		99	70 - 130	4	30
Perfluorotetradecanoic acid			20.5	20		ng/L		96	70 - 130	8	30
Perfluorobutanesulfonic acid			18.1	19		ng/L		106	70 - 130	6	30
Perfluorohexanesulfonic acid			18.7	20		ng/L		107	70 - 130	12	30
Perfluorooctanesulfonic acid			19.0	19		ng/L		102	70 - 130	11	30
NEtFOSAA			20.5	21		ng/L		103	70 - 130	9	30
NMeFOSAA			20.5	21		ng/L		103	70 - 130	4	30
Perfluoroundecanoic acid			20.5	20		ng/L		99	70 - 130	4	30
Perfluorododecanoic acid			20.5	20		ng/L		99	70 - 130	4	30
HFPODA			20.5	19		ng/L		95	70 - 130	24	30
9CI-PF3ONS			19.0	20		ng/L		103	70 - 130	17	30
11CI-PF3OUdS			19.0	19		ng/L		101	70 - 130	14	30
DONA			19.4	20		ng/L		101	70 - 130	8	30
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								

QC Sample Results

Limits

70 - 130

70 - 130

70 - 130

70 - 130

Spike

%Recovery	Qualifier	Limits
125		70 - 130
114		70 - 130
105		70 - 130
102		70 - 130
	%Recovery 125 114 105 102	<u>%Recovery</u> Qualifier 125 114 105 102

Lab Sample ID: LLCS 410-255511/4-A Matrix: Drinking Water Analysis Batch: 255586

Analysis Batch: 255586							Prep B	atch: 255511
	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Perfluorohexanoic acid	1.92	2		ng/L		86	50 _ 150	
Perfluoroheptanoic acid	1.92	2		ng/L		81	50 - 150	
Perfluorooctanoic acid	1.92	2		ng/L		83	50 - 150	
Perfluorononanoic acid	1.92	2		ng/L		81	50 _ 150	
Perfluorodecanoic acid	1.92	2		ng/L		89	50 - 150	
Perfluorotridecanoic acid	1.92	1	J	ng/L		77	50 - 150	
Perfluorotetradecanoic acid	1.92	1	J	ng/L		77	50 _ 150	
Perfluorobutanesulfonic acid	1.70	1	J	ng/L		81	50 - 150	

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

Lab Sample ID: LLCS 410-2	55511/4-A						Client	Sample	Bron Type: Total/NA	
Applycic Potoby 255596									Prop Patch: 255511	
Analysis Batch. 255566			Spike	2011	11.05				%Pec	E
Analyte				Result	Qualifier	Unit	п	%Pec		J
Perfluorohexanesulfonic acid			1 75	1		- <u>na/l</u>		79		
Perfluorooctanesulfonic acid			1.75		J I	ng/L		83	50 150	
			1.70	2	5	ng/L		84	50 150	
			1.92	2	1	ng/L		76	50 150	
Reflueroundesensis said			1.92	· · · · · · · · · · · · · · · · · · ·	J	ng/L		0	50 150	
			1.92	2		ng/L		02	50 - 150	8
			1.92	1	J	ng/∟		77	50 - 150	
HFPODA			1.92	1	J	ng/L		78	50 - 150	Q
9CI-PF3ONS			1.79	1	J	ng/L		74	50 - 150	
11CI-PF3OUdS			1.79	1	J	ng/L		68	50 - 150	
DONA			1.81	1	J	ng/L		76	50 - 150	
	LLCS	LLCS								
Surrogate	%Recovery	Qualifier	Limits							
13C2 PFDA	111		70 - 130							
13C2 PFHxA	93		70 - 130							
13C3 HFPO-DA	79		70 - 130							
d5-NEtFOSAA	85		70 - 130							13

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA

Matrix

Drinking Water

Drinking Water

Drinking Water

Drinking Water

Drinking Water

Drinking Water

Drinking Water

Drinking Water

Drinking Water

Matrix

Method

EPA 537.1

EPA 537.1

EPA 537.1

EPA 537.1

EPA 537.1

EPA 537.1

Method

EPA 537.1

EPA 537.1

EPA 537.1

Client Sample ID

99907-001

99907-002

Method Blank

Lab Control Sample

Lab Control Sample

Client Sample ID

Lab Control Sample

Lab Control Sample

99907-001

Lab Control Sample Dup

LCMS

Prep Batch: 255511 Lab Sample ID

MB 410-255511/1-A

LCS 410-255511/2-A

LCSD 410-255511/3-A

LLCS 410-255511/4-A

Lab Sample ID

LCS 410-255511/2-A

LLCS 410-255511/4-A

410-84016-3

Analysis Batch: 255586

410-84016-3

410-84016-4

Prep Batch

Prep Batch

255511

255511

255511

9

Analysis Batch: 256032

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
410-84016-4	99907-002	Total/NA	Drinking Water	EPA 537.1	255511
MB 410-255511/1-A	Method Blank	Total/NA	Drinking Water	EPA 537.1	255511
LCSD 410-255511/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537.1	255511

Client Sample ID: 99907-001 Date Collected: 05/11/22 12:50

Date Received: 05/13/22 11:06

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537.1			255511	05/16/22 08:23	HQ8B	ELLE
Total/NA	Analysis	EPA 537.1		1	255586	05/16/22 22:35	DCS9	ELLE

Client Sample ID: 99907-002 Date Collected: 05/11/22 12:50 Date Received: 05/13/22 11:06

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537.1			255511	05/16/22 08:23	HQ8B	ELLE
Total/NA	Analysis	EPA 537.1		1	256032	05/17/22 12:28	DCS9	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Job ID: 410-84016-2

Lab Sample ID: 410-84016-3

Lab Sample ID: 410-84016-4

Matrix: Drinking Water

Matrix: Drinking Water

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC The accreditations/certifications listed below are applicable to this report.

Authority
MichiganProgramIdentification NumberExpiration Date993001-31-23

Eurofins Lancaster Laboratories Environment Testing, LLC

Client: White Water Associates Project/Site: 99907

Method	Method Description	Protocol	Laboratory
EPA 537.1	EPA 537.1, Ver 1.0 Nov 2018	EPA	ELLE
EPA 537.1	EPA 537.1, ver. 1.0 Nov. 2018	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-84016-3	99907-001	Drinking Water	05/11/22 12:50	05/13/22 11:06
410-84016-4	99907-002	Drinking Water	05/11/22 12:50	05/13/22 11:06

TestAmerica Buffalo

10 Hazelwood Drive



Chain of Custody Record 220512 - Eurofins - Lancaster TestAmerica THE LEADER IN ENVIRONMENTAL TESTING

Amherst, NY 14228 410-04010 Chain of the cha	negu	ialury Pro	gram:	DW	NPDES	Ē	RCRA	Other:				TestAmerica Laboratories, Inc.	
Client Contact	Project N	lanager: Jo	hn Benina	ti		Site	Contact: Jen Toivonen			Date: C	10/02	COC No:	
White Water Associates, Inc.	Tel/Fax: 716.504.9804			ien.t	ien toivonen@white-water-associates.com				FedEx	of COCs			
429 River Lane, PO Box 27		Analysis T	urnaround	Time		T						Sampler:	
Amasa, Michigan 49903		DAR DAYS	WOR	KING DAYS	;	11.						For Lab Use Only:	
(906)-822-7889 Phone	TA	T if different fr	om Below	_	-	1 2						Walk-in Client:	
(906) 822-7977 FAX		2	weeks			IZ)>						Lab Sampling:	
Project Name:		1	week			1212	5						
Site:	2 days) is in						Job / SDG No.:	
PO#	1 day												
	2-22		Sample		-	S Sa							
	Sample	Sample	Туре		# -6	La							
Sample Identification	Date	Time	G≡Comp, G≡Grab)	Matrix	Cont.	H						Sample Specific Notes:	
99791, -001	0-2	847	A	NV2	7	Ħ	V					Fild Black	
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Preservation Used: 1= Ice, 2= HCI; 3= H2SO4; 4=HNO3; 5=	NaOH; 6=	Other	and the second										
Possible Hazard Identification:						s	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Are any samples from a listed EPA Hazardous Waste? Please L	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	D Poiso	1 B		own				eturn to Client	Disposal b	y Lab	Ĩ.	Archive for Months	
Special Instructions/QC Requirements & Comments:													
Custody Seals Intact: Yes No NA	Custody	Seal No.:	NIA					Cooler Te	mp. (°C): Obs'd:	0.7	Corr'd: 🚬 😊	Therm ID No.: 1R 61 mJ	
Relinquisted by:	Company	<i>r</i> :	istre.	Date	me:	F	Receiv	ed by:		10	Company:	Date/Time:	
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	T							-c			Form No. C	A-C-WI-002 Rev. 4.2. dated 04/02/2013	

5/18/2022

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Login Sample Receipt Checklist

Client: White Water Associates

Login Number: 84016 List Number: 1 Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
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 (=6C, not frozen).</td <td>True</td> <td></td>	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (=6C, not frozen).</td <td>N/A</td> <td></td>	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	Not present.

Job Number: 410-84016-2