



Analytical Laboratory Report

Report ID: S95223.01(01)+QC01
Generated on 11/01/2018

Report to

Attention: Mike Jury
MDEQ
Saginaw Bay District Office
401 Ketchum St.
Bay City, MI 48708

Phone: 989-894-6255 FAX:
Email: jury1@michigan.gov

Additional Contacts: MDEQ, MDHHS, Robert Kennedy, Dorin Bogdan, Nic Ropotos, Jim Carbone, Geoffrey Groff

Report produced by

Merit Laboratories, Inc.
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Contacts for report questions:
John Lavery (johnlavery@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S95223.01-S95223.02
Project: MDEQ State Municipal Sampling
Collected Date: 10/01/2018
Submitted Date/Time: 10/08/2018 13:20
Sampled by: George Austin
P.O. #: 60570309

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Maya Murshak
Technical Director



Analytical Laboratory Report

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

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Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

Report Narrative

There is no additional narrative for this analytical report



Analytical Laboratory Report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Alaska CSLAP	#17-001

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched



Analytical Laboratory Report

Method Summary

Method	Version
E537	EPA Method 537 Version 1.1 September 2009

Parameter Summary

Parameter	Synonym	Cas #
PFHxA	Perfluorohexanoic Acid	307-24-4
PFBS	Perfluorobutane sulfonic Acid	375-73-5
PFHpA	Perfluoroheptanoic Acid	375-85-9
PFOA	Perfluorooctanoic Acid	335-67-1
PFHxS	Perfluorohexane Sulfonic Acid	355-46-4
PFNA	Perfluorononanoic Acid	375-95-1
PFDA	Perfluorodecanoic Acid	335-76-2
N-MeFOSAA	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9
EtFOSAA	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	2991-50-6
PFOS	Perfluorooctane Sulfonic Acid	1763-23-1
PFUnDA	Perfluoroundecanoic Acid	2058-94-8
PFDoDA	Perfluorododecanoic Acid	307-55-1
PFTTrDA	Perfluorotridecanoic Acid	72629-94-8
PFTeDA	Perfluorotetradecanoic Acid	376-06-7



Analytical Laboratory Report

Sample Summary (2 samples)

Sample ID	Sample Tag	Location	Matrix	Collected Date/Time
S95223.01	GWEF1810010900GGA	UNIONCITY06720TP001	Drinking Water	10/01/18 09:00
S95223.02	GWEF1810010930GGA	UNIONCITY06720TP003	Drinking Water	10/01/18 09:30



Analytical Laboratory Report

Lab Sample ID: S95223.01

Sample Tag: GWEF1810010900GGA

Location: UNIONCITY06720TP001

Collected Date/Time: 10/01/2018 09:00

Matrix: Drinking Water

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	250ml Plastic	Trizma	Yes	3.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Sample Amount*	249.46 ml	E537	10/09/18 16:14	JGH	

Organics

PFAs Drinking Water, Method: E537, Run Date: 10/16/18 02:11, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxA*	Not detected	2		ng/L	1	307-24-4	
PFBS*	Not detected	2		ng/L	1	375-73-5	
PFHpA*	Not detected	2		ng/L	1	375-85-9	
PFOA*	Not detected	2		ng/L	1	335-67-1	
PFHxS*	Not detected	2		ng/L	1	355-46-4	
PFNA*	Not detected	2		ng/L	1	375-95-1	
PFDA*	Not detected	2		ng/L	1	335-76-2	
N-MeFOSAA*	Not detected	2		ng/L	1	2355-31-9	
EtFOSAA*	Not detected	2		ng/L	1	2991-50-6	
PFOS*	Not detected	2		ng/L	1	1763-23-1	
PFUnDA*	Not detected	2		ng/L	1	2058-94-8	
PFDoDA*	Not detected	2		ng/L	1	307-55-1	
PFTTrDA*	Not detected	2		ng/L	1	72629-94-8	
PFTeDA*	Not detected	2		ng/L	1	376-06-7	



Analytical Laboratory Report

Lab Sample ID: S95223.02

Sample Tag: GWEF1810010930GGA

Location: UNIONCITY06720TP003

Collected Date/Time: 10/01/2018 09:30

Matrix: Drinking Water

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	250ml Plastic	Trizma	Yes	3.8	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Sample Amount*	260.54 ml	E537	10/09/18 16:14	JGH	

Organics

PFAs Drinking Water, Method: E537, Run Date: 10/16/18 02:26, Analyst: JGH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFHxA*	Not detected	2		ng/L	1	307-24-4	
PFBS*	Not detected	2		ng/L	1	375-73-5	
PFHpA*	Not detected	2		ng/L	1	375-85-9	
PFOA*	Not detected	2		ng/L	1	335-67-1	
PFHxS*	Not detected	2		ng/L	1	355-46-4	
PFNA*	Not detected	2		ng/L	1	375-95-1	
PFDA*	Not detected	2		ng/L	1	335-76-2	
N-MeFOSAA*	Not detected	2		ng/L	1	2355-31-9	
EtFOSAA*	Not detected	2		ng/L	1	2991-50-6	
PFOS*	Not detected	2		ng/L	1	1763-23-1	
PFUnDA*	Not detected	2		ng/L	1	2058-94-8	
PFDoDA*	Not detected	2		ng/L	1	307-55-1	
PFTTrDA*	Not detected	2		ng/L	1	72629-94-8	
PFTeDA*	Not detected	2		ng/L	1	376-06-7	



Quality Control Report

Report ID: S95223.01(01)+QC01

Generated on 10/31/2018

Report to

Attention: Mike Jury
MDEQ
Saginaw Bay District Office
401 Ketchum St.
Bay City, MI 48708

Report Produced by

Merit Laboratories
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Phone: 989-894-6255 FAX:

Report Summary

Lab Sample ID(s): S95223.01-S95223.02
Project: MDEQ State Municipal Sampling
Submitted Date/Time: 10/08/2018 13:20
Sampled by: George Austin
P.O. #: 60570309

QC Report Sections

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Analysis Summary (Pages 9-10)
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Report Flag Descriptions

*: QC result is outside of indicated control limits
W: Surrogate result not applicable due to sample dilution

I certify that this data package is in compliance with the terms and conditions of the program, and project, and contractual requirements both technically and for completeness. Release of the data contained in this hardcopy data package and its computer-readable data submitted has been authorized by the Quality Assurance Manager and his/her designee, as verified by the following signature.

Barbara Ball
Quality Assurance Manager

QC Report - Analysis Summary

Lab Sample ID: S95223.01

Sample Tag: GWEF1810010900GGA

Collected Date/Time: 10/01/2018 09:00

Matrix: Drinking Water

COC Reference:

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
PFA's Drinking Water	E537	10/16/18 02:11	DQ181015B	PD181009W1	Yes	LCS/BLK/LCSD

QC Report - Analysis Summary

Lab Sample ID: S95223.02

Sample Tag: GWEF1810010930GGA

Collected Date/Time: 10/01/2018 09:30

Matrix: Drinking Water

COC Reference:

Analysis	Method	Run Date/Time	Batch ID	Prep ID	Surr	QC Types
Organics - Volatiles						
PFAs Drinking Water	E537	10/16/18 02:26	DQ181015B	PD181009W1	Yes	LCS/BLK/LCSD

QC Report - Prep Batch Summary

Organics - Volatiles, Prep Batch ID: PD181009W1

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Sample ID	Analysis	Method	Run Date/Time	Batch ID
S95223.01	PFA's Drinking Water	E537	10/16/18 02:11	DQ181015B
S95223.02	PFA's Drinking Water	E537	10/16/18 02:26	DQ181015B

QC Report - Surrogates per Lab Sample

Lab Sample ID: S95223.01

Sample Tag: GWEF1810010900GGA

Collected Date/Time: 10/01/2018 09:00

Matrix: Drinking Water

COC Reference:

Organics - Volatiles, Analysis: PFAs Drinking Water

Run in Batch: DQ181015B, Run Date: 10/16/2018 02:11, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
C13PFDA		93.2	70.0	130.0
C13PFHxA		92.3	70.0	130.0
d5NEtFOSAA		83.4	70.0	130.0

QC Report - Surrogates per Lab Sample

Lab Sample ID: S95223.02

Sample Tag: GWEF1810010930GGA

Collected Date/Time: 10/01/2018 09:30

Matrix: Drinking Water

COC Reference:

Organics - Volatiles, Analysis: PFAs Drinking Water

Run in Batch: DQ181015B, Run Date: 10/16/2018 02:26, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
C13PFDA		84.7	70.0	130.0
C13PFHxA		85.0	70.0	130.0
d5NEtFOSAA		70.9	70.0	130.0

QC Report - Surrogates per QC Sample

Organics - Volatiles, Prep Batch ID: PD181009W1

QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: DQ181015B.LFB1810091

Run in Batch: DQ181015B, Run Date: 10/15/2018 23:57, Prep Date: 10/09/2018, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
C13PFDA		97.3	70.0	130.0
C13PFHxA		92.2	70.0	130.0
d5NEtFOSAA		82.3	70.0	130.0

Blank (BLK)

Lab Sample ID: DQ181015B.LRB1810091

Run in Batch: DQ181015B, Run Date: 10/16/2018 00:27, Prep Date: 10/09/2018, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
C13PFDA		92.5	70.0	130.0
C13PFHxA		88.6	70.0	130.0
d5NEtFOSAA		85.3	70.0	130.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: DQ181015B.LFBD1810091, Parent Sample ID: DQ181015B.LFB1810091

Run in Batch: DQ181015B, Run Date: 10/16/2018 00:12, Prep Date: 10/09/2018, Matrix: WW, Dilution: 1

Surrogate	Flags	%Rec	LCL	UCL
C13PFDA		90.5	70.0	130.0
C13PFHxA		94.1	70.0	130.0
d5NEtFOSAA		83.8	70.0	130.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S95223.01

Sample Tag: GWEF1810010900GGA

Collected Date/Time: 10/01/2018 09:00

Matrix: Drinking Water

COC Reference:

Organics - Volatiles, Analysis: PFAs Drinking Water

Run in Batch: DQ181015B, Run Date: 10/16/2018 02:11, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
C13PFOA		136.3	50.0	150.0
C13PFOS		128.5	50.0	150.0
d3NMeFOSAA		142.2	50.0	150.0

QC Report - Internal Standards per Lab Sample

Lab Sample ID: S95223.02

Sample Tag: GWEF1810010930GGA

Collected Date/Time: 10/01/2018 09:30

Matrix: Drinking Water

COC Reference:

Organics - Volatiles, Analysis: PFAs Drinking Water

Run in Batch: DQ181015B, Run Date: 10/16/2018 02:26, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
C13PFOA		128.0	50.0	150.0
C13PFOS		125.3	50.0	150.0
d3NMeFOSAA		128.3	50.0	150.0

QC Report - Internal Standards per QC Sample

Organics - Volatiles, Prep Batch ID: PD181009W1

QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: DQ181015B.LFB1810091

Run in Batch: DQ181015B, Run Date: 10/15/2018 23:57, Prep Date: 10/09/2018, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
C13PFOA		121.9	50.0	150.0
C13PFOS		117.9	50.0	150.0
d3NMeFOSAA		120.3	50.0	150.0

Blank (BLK)

Lab Sample ID: DQ181015B.LRB1810091

Run in Batch: DQ181015B, Run Date: 10/16/2018 00:27, Prep Date: 10/09/2018, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
C13PFOA		132.2	50.0	150.0
C13PFOS		125.7	50.0	150.0
d3NMeFOSAA		130.7	50.0	150.0

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: DQ181015B.LFBD1810091, Parent Sample ID: DQ181015B.LFB1810091

Run in Batch: DQ181015B, Run Date: 10/16/2018 00:12, Prep Date: 10/09/2018, Matrix: WW, Dilution: 1

Internal Standard	Flags	%Rec	LCL	UCL
C13PFOA		117.8	50.0	150.0
C13PFOS		118.9	50.0	150.0
d3NMeFOSAA		118.6	50.0	150.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PD181009W1

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Laboratory Control Sample (LCS)

Lab Sample ID: DQ181015B.LFB1810091

Run in Batch: DQ181015B, Run Date: 10/15/2018 23:57, Prep Date: 10/09/2018, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL
PFHxA		91.5	70.0	130.0
PFBS		91.5	70.0	130.0
PFHpA		95.5	70.0	130.0
PFOA		94.0	70.0	130.0
PFHxS		90.5	70.0	130.0
PFNA		100.0	70.0	130.0
PFDA		90.0	70.0	130.0
N-MeFOSAA		84.5	70.0	130.0
EtFOSAA		85.0	70.0	130.0
PFOS		94.0	70.0	130.0
PFUnDA		94.5	70.0	130.0
PFDoDA		87.5	70.0	130.0
PFTTrDA		96.0	70.0	130.0
PFTeDA		82.5	70.0	130.0

Blank (BLK)

Lab Sample ID: DQ181015B.LRB1810091

Run in Batch: DQ181015B, Run Date: 10/16/2018 00:27, Prep Date: 10/09/2018, Matrix: WW, Dilution: 1

Analyte	Flags	Conc	RDL	Units
PFHxA		ND	2	ng/l
PFBS		ND	2	ng/l
PFHpA		ND	2	ng/l
PFOA		ND	2	ng/l
PFHxS		ND	2	ng/l
PFNA		ND	2	ng/l
PFDA		ND	2	ng/l
N-MeFOSAA		ND	2	ng/l
EtFOSAA		ND	2	ng/l
PFOS		ND	2	ng/l
PFUnDA		ND	2	ng/l
PFDoDA		ND	2	ng/l
PFTTrDA		ND	2	ng/l
PFTeDA		ND	2	ng/l

Laboratory Control Sample Duplicate (LCSD)

Lab Sample ID: DQ181015B.LFBD1810091, Parent Sample ID: DQ181015B.LFB1810091

Run in Batch: DQ181015B, Run Date: 10/16/2018 00:12, Prep Date: 10/09/2018, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
PFHxA		96.5	70.0	130.0	5.3	30.0
PFBS		94.0	70.0	130.0	2.7	30.0
PFHpA		100.5	70.0	130.0	5.1	30.0
PFOA		98.5	70.0	130.0	4.7	30.0
PFHxS		92.0	70.0	130.0	1.6	30.0
PFNA		102.5	70.0	130.0	2.5	30.0
PFDA		94.5	70.0	130.0	4.9	30.0
N-MeFOSAA		88.5	70.0	130.0	4.6	30.0

QC Report - Batch QC Results

Organics - Volatiles, Prep Batch ID: PD181009W1 (continued)

Surrogates: Yes, QC Types: LCS/BLK/LCSD

Laboratory Control Sample Duplicate (LCSD) (continued)

Lab Sample ID: DQ181015B.LFBD1810091, Parent Sample ID: DQ181015B.LFB1810091

Run in Batch: DQ181015B, Run Date: 10/16/2018 00:12, Prep Date: 10/09/2018, Matrix: WW, Dilution: 1

Analyte	Flags	% Rec	LCL	UCL	RPD	RPD CL
EtFOSAA		88.0	70.0	130.0	3.5	30.0
PFOS		94.0	70.0	130.0	0.0	30.0
PFUnDA		96.5	70.0	130.0	2.1	30.0
PFDODA		97.5	70.0	130.0	10.8	30.0
PFTTrDA		103.0	70.0	130.0	7.0	30.0
PFTeDA		87.5	70.0	130.0	5.9	30.0

Merit Laboratories Login Checklist

Lab Set ID:S95223

Client:MDEQ2 (Michigan Department of Environmental Quality)

Project: MDEQ State Municipal Sampling

Submitted: 10/08/2018 13:20 Login User: MMC

Attention: Mike Jury

Address: MDEQ

Saginaw Bay District Office

401 Ketchum St.

Bay City, MI 48708

Phone: 989-894-6255

FAX:

Email:jurym1@michigan.gov

Selection	Description	Note
Sample Receiving		
01.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Samples are received at 4C +/- 2C Thermometer # IR 3.8
02.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Received on ice/ cooling process begun
03.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Samples shipped
04.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Samples left in 24 hr. drop box
05.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Are there custody seals/tape or is the drop box locked
Chain of Custody		
06.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	COC adequately filled out
07.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	COC signed and relinquished to the lab
08.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Sample tag on bottles match COC
09.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Subcontracting needed? Subcontracted to:
Preservation		
10.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Do sample have correct chemical preservation
11.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Completed pH checks on preserved samples? (no VOAs)
12.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Did any samples need to be preserved in the lab?
Bottle Conditions		
13.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	All bottles intact
14.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Appropriate analytical bottles are used
15.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Merit bottles used
16.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Sufficient sample volume received
17.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Samples require laboratory filtration
18.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Samples submitted within holding time
19.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Do water VOC or TOX bottles contain headspace

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____



MERIT LABORATORIES, INC.

2680 East Lansing Drive East Lansing MI 48823

Phone: (517) 332-0167 Fax: (517) 332-6333

COC PAGE # 1 OF 1

www.meritlabs.com

CHAIN OF CUSTODY RECORD

REPORT TO				INVOICE TO				<input type="checkbox"/> SAME			
Contact Name MIKE JURY				Contact Name MIKE JURY							
Company MDEQ				Company MDEQ							
Address 401 KETCHUM ST, SUITE B				Address 401 KETCHUM ST, SUITE B							
City BAY CITY		State MI		Zip Code 48708		City BAY CITY		State MI		Zip Code 48708	
Phone # 989-894-6255			PO # 60570309			Phone # 989-894-6255					
Email Address dorin.bogdan@aecom.com						Email Address dorin.bogdan@aecom.com					

Project #/Name 60570309				Sampler Name GEORGE AUSTIN				ANALYSIS					
TAT Time Requested				Deliverables Requested				Preservatives EPA 537 - 14 PFCs ASTM D7979 - 24 PFCs Special Instructions					
RIX CODE: GW: GROUNDWATER WW: WASTEWATER DW: DRINKING WATER S: SOIL L: LIQUID SD: SOLID SL: SLUDGE O: OIL W: WASTE M: MISC													
MERIT LAB ID	YEAR		SAMPLE TAG	LOCATION	MATRIX	# BOTTLES	PRESERVATIVES			EPA 537 - 14 PFCs	ASTM D7979 - 24 PFCs	Special Instructions	
	DATE	TIME					NONE	TRIZMA	Other				
95223.01	10/1/2018	0900	GWEF1810010900GGA	UNIONCITY06720TP001	DW	2		X			X		
.02	10/1/2018	0930	GWEF1810010930GGA	UNIONCITY06720TP003	DW	2		X			X		

Relinquished By: GEORGE AUSTIN <i>George Austin</i>				Date 10/8/18		Time 8:00		Relinquished By: <i>AECOM Storage</i>				Date 10/8/18		Time 8:00	
Signature/Organization AECOM				Date 10/8/18		Time 10:20		Signature/Organization <i>[Signature]</i>				Date 10/8/18		Time 10:20	
Received By: <i>AECOM Storage</i>				Date 10/8/18		Time 13:20		Notes: <i>[Signature]</i>				Temp on Arrival 3.8			
Relinquished By: <i>[Signature]</i>				Date 10/8/18		Time 13:20									
Signature/Organization <i>[Signature]</i>				Date 10/8/18		Time 1320									
Received By: <i>[Signature]</i>				Date 10/8/18		Time 1320									
Signature/Organization <i>[Signature]</i>				Date 10/8/18		Time 1320									