

Trace Analytical Laboratories, Inc.  
2241 Black Creek Road  
Muskegon, MI 49444-2673



231-773-5998 Phone  
888-979-4469 Fax  
www.trace-labs.com

January 16, 2023

Mr. Dale Clark  
Clare, City of  
202 W. Fifth St.  
Clare, Mi 48617

RE: Trace Project 23A0211  
Client Project Plant Tap PFAS Analysis- 1/4/23

Dear Mr. Clark:

Enclosed are your analytical results. The results of this report relate only to the samples listed in the body of this report.

All reports were examined through Trace's validation process to ensure that requirements for quality and completeness were satisfied. All reported analytical results were obtained in accordance with the methods referenced on the reports. Every practical effort was made to meet the reporting limit specifications for this work, however, some results may have raised reporting limits to correct for percent solids.

The results were obtained from Prein and Newhof.

For clients that require NELAC Accreditation, Trace certifies that these test results meet all requirements of the NELAC Standard, except for those analytes with a "N" notation. These analytes have not been evaluated by NELAC at Trace's discretion and will not be reported unless requested by client.

If you have questions concerning this report, please contact me at 231.773.5998 or by email at [tbrewer@trace-labs.com](mailto:tbrewer@trace-labs.com).

Sincerely,

A handwritten signature in black ink that reads "Timothy W. Brewer".

Tim Brewer  
Project Manager

Enclosures



NJDEP Accreditation No. MI008

Trace Analytical Laboratories, Inc.  
2241 Black Creek Road  
Muskegon, MI 49444-2673



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### SAMPLE SUMMARY

Trace Project ID: 23A0211  
Client Project ID: Plant Tap PFAS Analysis- 1/4/23

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
23A0211-01 WSSN: 1420	Plant Tap - WSSN 1420	Drinking Water	DC	01/04/23 14:15	01/05/23 11:00

## AN EXPLANATION OF TERMS AND SYMBOLS WHICH MAY OCCUR IN THIS REPORT

### DEFINITIONS

LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MS	Matrix Spike
MSD	Matrix Spike Duplicate
RPD	Relative Percent Difference
DUP	Matrix Duplicate
RDL	Reporting Detection Limit
MCL	Maximum Contamination Limit
TIC	Tentatively Identified Compound
<, ND or U	Indicates the compound was analyzed for but not detected
*	Indicates a result that exceeds its associated MCL or Surrogate control limits
N	Indicates that the compound has not been evaluated by NELAC
NA	Indicates that the compound is not available.

January 16, 2023

Trace Analytical Laboratories, Inc.  
2241 Black Creek Road  
Muskegon, MI 49444-2673

RE: 23A0211

Order No.: 2301363

Dear Mr. Tim Brewer:

[Guide to reading Lab Result](#)

Prein&Newhof Laboratory received 2 sample(s) on 1/6/2023 on your behalf. Your test results are provided in your Prein&Newhof Laboratory analytical report. Please carefully review your analytical report, noting the following.

- You can be assured that the sample results meet the Safe Drinking Water Criteria as no analyte tested exceeds the EPA Maximum Contaminant Level unless indicated by an " \* " in the "Qual" column.
- You can be assured that all samples were received and analyzed within required holding times unless noted by a "H" in the "Qual" column.
- You can be assured that all quality control data is within laboratory-defined or method-specified acceptance limits unless defined by the addition of an attached Case Narrative document.
- When testing for PFHxS, PFOA, PFOS, MeFOSAA, and EtFOSAA results include both branched and linear isotopes. We extract a Method Blank and analyze it with the preparation batch. Method Blank analytes are within the Reporting Limit (RL).

We use EPA Approved Methods for all regulated parameters. EPA Lab #: MI000014

We are certified by the State of Michigan for Drinking Water Analysis for: Coliform Bacteria, Metals, Cyanide, Minerals, Anions, Volatile Organics, THM's, Haloacetic Acids, and PFAS.  
Michigan Lab ID#: 0020

To learn more about interpreting your Drinking Water Test Results and reading your Lab Report, follow the link above to view our "Guide to Reading Lab Results". If you have any concerns about your test results or need additional help, please call: 616-364-7600 or email me: [sbylsma@preinnewhof.com](mailto:sbylsma@preinnewhof.com).

Thank you for trusting Prein&Newhof with your testing needs.

Sincerely,



Steve Bylsma  
Laboratory Manager

<b>CLIENT:</b>	Trace Analytical Laboratories, Inc.	<b>Collection Date</b>	1/4/2023 2:15:00 PM
<b>Project:</b>	23A0211	<b>Received Date:</b>	1/6/2023 11:30:00 AM
<b>Lab ID:</b>	2301363-01	<b>Matrix:</b>	DRINKING WATER
<b>Client Sample ID:</b>	23A0211-01	<b>Sampled By:</b>	DC
<b>Location:</b>	Plant Tap		

Analyses	Result	RL	Qual	Units	MCL	Date Analyzed
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**PFAS, DRINKING WATER**

**EPA 537.1**

Analyst: JS

PFBS	3.6	2.0		ng/L	420	1/14/2023 3:24:00 AM
PFHxA	2.0	2.0		ng/L	400000	1/14/2023 3:24:00 AM
HFPO-DA	< 2.0	2.0		ng/L	370	1/14/2023 3:24:00 AM
PFHxS	6.7	2.0		ng/L	51	1/14/2023 3:24:00 AM
PFHpA	< 2.0	2.0		ng/L		1/14/2023 3:24:00 AM
ADONA	< 2.0	2.0		ng/L		1/14/2023 3:24:00 AM
PFOA	< 2.0	2.0		ng/L	8.0	1/14/2023 3:24:00 AM
PFOS	4.5	2.0		ng/L	16	1/14/2023 3:24:00 AM
PFNA	< 2.0	2.0		ng/L	6.0	1/14/2023 3:24:00 AM
9CI-PF3ONS	< 2.0	2.0		ng/L		1/14/2023 3:24:00 AM
PFDA	< 2.0	2.0		ng/L		1/14/2023 3:24:00 AM
NMeFOSAA	< 2.0	2.0		ng/L		1/14/2023 3:24:00 AM
NEtFOSAA	< 2.0	2.0		ng/L		1/14/2023 3:24:00 AM
PFUnA	< 2.0	2.0		ng/L		1/14/2023 3:24:00 AM
11CI-PF3OUdS	< 2.0	2.0		ng/L		1/14/2023 3:24:00 AM
PFDoA	< 2.0	2.0		ng/L		1/14/2023 3:24:00 AM
PFTTrDA	< 2.0	2.0		ng/L		1/14/2023 3:24:00 AM
PFTA	< 2.0	2.0		ng/L		1/14/2023 3:24:00 AM
Surr: d5-N-EtFOSSA	74.2	70 - 130		%Rec		1/14/2023 3:24:00 AM
Surr: M3HFPO-DA	89.4	70 - 130		%Rec		1/14/2023 3:24:00 AM
Surr: MPFDA	91.4	70 - 130		%Rec		1/14/2023 3:24:00 AM
Surr: MPFHxA	106	70 - 130		%Rec		1/14/2023 3:24:00 AM

**Qualifiers:** < Not Detected at the Reporting Limit  
MCL Maximum Contaminant Level  
RL Reporting Limit

H Holding times for preparation or analysis exceeded  
PL Permit Limit  
S Spike Recovery outside accepted recovery limits

**CLIENT:** Trace Analytical Laboratories, Inc.  
**Project:** 23A0211  
**Lab ID:** 2301363-02  
**Client Sample ID:** Field Blank  
**Location:**

**Collection Date** 1/4/2023 2:15:00 PM  
**Received Date:** 1/6/2023 11:30:00 AM  
**Matrix:** BLANK  
**Sampled By:** DC

Analyses	Result	RL	Qual	Units	MCL	Date Analyzed
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**PFAS, DRINKING WATER**

**EPA 537.1**

Analyst: JS

PFBS	< 2.0	2.0		ng/L	420	1/13/2023 11:08:00 PM
PFHxA	< 2.0	2.0		ng/L	400000	1/13/2023 11:08:00 PM
HFPO-DA	< 2.0	2.0		ng/L	370	1/13/2023 11:08:00 PM
PFHxS	< 2.0	2.0		ng/L	51	1/13/2023 11:08:00 PM
PFHpA	< 2.0	2.0		ng/L		1/13/2023 11:08:00 PM
ADONA	< 2.0	2.0		ng/L		1/13/2023 11:08:00 PM
PFOA	< 2.0	2.0		ng/L	8.0	1/13/2023 11:08:00 PM
PFOS	< 2.0	2.0		ng/L	16	1/13/2023 11:08:00 PM
PFNA	< 2.0	2.0		ng/L	6.0	1/13/2023 11:08:00 PM
9CI-PF3ONS	< 2.0	2.0		ng/L		1/13/2023 11:08:00 PM
PFDA	< 2.0	2.0		ng/L		1/13/2023 11:08:00 PM
NMeFOSAA	< 2.0	2.0		ng/L		1/13/2023 11:08:00 PM
NEtFOSAA	< 2.0	2.0		ng/L		1/13/2023 11:08:00 PM
PFUnA	< 2.0	2.0		ng/L		1/13/2023 11:08:00 PM
11CI-PF3OUdS	< 2.0	2.0		ng/L		1/13/2023 11:08:00 PM
PFDoA	< 2.0	2.0		ng/L		1/13/2023 11:08:00 PM
PFTTrDA	< 2.0	2.0		ng/L		1/13/2023 11:08:00 PM
PFTA	< 2.0	2.0		ng/L		1/13/2023 11:08:00 PM
Surr: d5-N-EtFOSSA	80.6	70 - 130		%Rec		1/13/2023 11:08:00 PM
Surr: M3HFPO-DA	85.4	70 - 130		%Rec		1/13/2023 11:08:00 PM
Surr: MPFDA	94.5	70 - 130		%Rec		1/13/2023 11:08:00 PM
Surr: MPFHxA	102	70 - 130		%Rec		1/13/2023 11:08:00 PM

**Qualifiers:** < Not Detected at the Reporting Limit  
 MCL Maximum Contaminant Level  
 RL Reporting Limit

H Holding times for preparation or analysis exceeded  
 PL Permit Limit  
 S Spike Recovery outside accepted recovery limits

WO#: 2301363

1/16/2023

**Client:** Trace Analytical Laboratories, Inc.

**Project:** 23A0211

**TestCode:** PFAS-DW

Sample ID: <b>MB-L7-5144</b>	SampType: <b>MBLK</b>	TestCode: <b>PFAS-DW</b>	Units: <b>ng/L</b>	Prep Date: <b>1/12/2023</b>	RunNo: <b>30779</b>						
Client ID: <b>PBW</b>	Batch ID: <b>5144</b>	TestNo: <b>EPA 537.1</b>		Analysis Date: <b>1/13/2023</b>	SeqNo: <b>595268</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PFBS	< 1.8	1.8									
PFHxA	< 1.8	1.8									
HFPO-DA	< 1.8	1.8									
PFHxS	< 1.8	1.8									
PFHpA	< 1.8	1.8									
ADONA	< 1.8	1.8									
PFOA	< 1.8	1.8									
PFOS	< 1.8	1.8									
PFNA	< 1.8	1.8									
9CI-PF3ONS	< 1.8	1.8									
PFDA	< 1.8	1.8									
NMeFOSAA	< 1.8	1.8									
NEtFOSAA	< 1.8	1.8									
PFUnA	< 1.8	1.8									
11CI-PF3OUdS	< 1.8	1.8									
PFDoA	< 1.8	1.8									
PFTTrDA	< 1.8	1.8									
PFTA	< 1.8	1.8									
Surr: d5-N-EtFOSSA	61		80.00		76.0	70	130				
Surr: M3HFPO-DA	150		200.0		73.8	70	130				
Surr: MPFDA	68		80.00		85.4	70	130				
Surr: MPFHxA	73		80.00		91.4	70	130				

**Qualifiers:** < Not Detected at the Reporting Limit  
PL Permit Limit

H Holding times for preparation or analysis exceeded  
RL Reporting Limit

MCL Maximum Contaminant Level  
S Spike Recovery outside accepted recovery limits

WO#: 2301363

1/16/2023

**Client:** Trace Analytical Laboratories, Inc.

**Project:** 23A0211

**TestCode:** PFAS-DW

Sample ID: <b>LCS-high-5144 A</b>	SampType: <b>LCS-HIGH</b>	TestCode: <b>PFAS-DW</b>	Units: <b>ng/L</b>	Prep Date: <b>1/12/2023</b>	RunNo: <b>30779</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>5144</b>	TestNo: <b>EPA 537.1</b>	Analysis Date: <b>1/13/2023</b>	SeqNo: <b>595269</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PFBS	250	1.8	320.0	0	78.0	70	130				
PFHxA	270	1.8	320.0	0	83.9	70	130				
HFPO-DA	510	1.8	320.0	0	159	70	130				S
PFHxS	260	1.8	320.0	0	82.0	70	130				
PFHpA	260	1.8	320.0	0	80.5	70	130				
ADONA	250	1.8	320.0	0	78.4	70	130				
PFOA	280	1.8	320.0	0	88.4	70	130				
PFOS	260	1.8	320.0	0	81.5	70	130				
PFNA	260	1.8	320.0	0	80.5	70	130				
9CI-PF3ONS	250	1.8	320.0	0	79.0	70	130				
PFDA	250	1.8	320.0	0	78.2	70	130				
NMeFOSAA	250	1.8	320.0	0	78.7	70	130				
NEtFOSAA	250	1.8	320.0	0	77.4	70	130				
PFUnA	240	1.8	320.0	0	75.7	70	130				
11CI-PF3OUdS	240	1.8	320.0	0	76.0	70	130				
PFDoA	230	1.8	320.0	0	73.4	70	130				
PFTTrDA	230	1.8	320.0	0	71.6	70	130				
PFTA	220	1.8	320.0	0	68.2	70	130				S
Surr: d5-N-EtFOSSA	56		80.00		70.3	70	130				
Surr: M3HFPO-DA	160		200.0		82.1	70	130				
Surr: MPFDA	72		80.00		89.7	70	130				
Surr: MPFHxA	81		80.00		101	70	130				

**Qualifiers:** < Not Detected at the Reporting Limit  
PL Permit Limit

H Holding times for preparation or analysis exceeded  
RL Reporting Limit

MCL Maximum Contaminant Level  
S Spike Recovery outside accepted recovery limits



WO#: 2301363

1/16/2023

**Client:** Trace Analytical Laboratories, Inc.

**Project:** 23A0211

**TestCode:** PFAS-DW

Sample ID: 2301589-01ADUP	SampType: DUP	TestCode: PFAS-DW	Units: ng/L	Prep Date: 1/12/2023	RunNo: 30779						
Client ID: BatchQC	Batch ID: 5144	TestNo: EPA 537.1		Analysis Date: 1/14/2023	SeqNo: 595285						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PFBS	8.0	1.6						8.063	0.368	30	
PFHxA	3.2	1.6						3.267	1.83	30	
HFPO-DA	< 1.6	1.6						0	0	30	
PFHxS	< 1.6	1.6						0	0	30	
PFHpA	< 1.6	1.6						0	0	30	
ADONA	< 1.6	1.6						0	0	30	
PFOA	2.4	1.6						2.526	3.13	30	
PFOS	< 1.6	1.6						0	0	30	
PFNA	< 1.6	1.6						0	0	30	
9CI-PF3ONS	< 1.6	1.6						0	0	30	
PFDA	< 1.6	1.6						0	0	30	
NMeFOSAA	< 1.6	1.6						0	0	30	
NEtFOSAA	< 1.6	1.6						0	0	30	
PFUnA	< 1.6	1.6						0	0	30	
11CI-PF3OUdS	< 1.6	1.6						0	0	30	
PFDoA	< 1.6	1.6						0	0	30	
PFTTrDA	< 1.6	1.6						0	0	30	
PFTA	< 1.6	1.6						0	0	30	
Surr: d5-N-EtFOSSA	63		74.07		85.4	70	130		0	0	
Surr: M3HFPO-DA	190		185.2		100	70	130		0	0	
Surr: MPFDA	69		74.07		93.6	70	130		0	0	
Surr: MPFHxA	76		74.07		102	70	130		0	0	

**Qualifiers:** < Not Detected at the Reporting Limit  
PL Permit Limit

H Holding times for preparation or analysis exceeded  
RL Reporting Limit

MCL Maximum Contaminant Level  
S Spike Recovery outside accepted recovery limits

WO#: 2301363

1/16/2023

**Client:** Trace Analytical Laboratories, Inc.

**Project:** 23A0211

**TestCode:** PFAS-DW

Sample ID: <b>2301606-01AMS</b>	SampType: <b>MS-MID</b>	TestCode: <b>PFAS-DW</b>	Units: <b>ng/L</b>	Prep Date: <b>1/12/2023</b>	RunNo: <b>30779</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>5144</b>	TestNo: <b>EPA 537.1</b>		Analysis Date: <b>1/14/2023</b>	SeqNo: <b>595292</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PFBS	70	1.8	80.00	2.314	85.2	70	130				
PFHxA	72	1.8	80.00	0	89.8	70	130				
HFPO-DA	150	1.8	80.00	0	189	70	130				S
PFHxS	67	1.8	80.00	0	84.0	70	130				
PFHpA	63	1.8	80.00	0	79.0	70	130				
ADONA	65	1.8	80.00	0	80.7	70	130				
PFOA	73	1.8	80.00	0	91.8	70	130				
PFOS	67	1.8	80.00	0	83.7	70	130				
PFNA	70	1.8	80.00	0	87.7	70	130				
9CI-PF3ONS	65	1.8	80.00	0	81.8	70	130				
PFDA	68	1.8	80.00	0	84.7	70	130				
NMeFOSAA	69	1.8	80.00	0	85.7	70	130				
NEtFOSAA	69	1.8	80.00	0	86.7	70	130				
PFUnA	66	1.8	80.00	0	82.2	70	130				
11CI-PF3OUdS	64	1.8	80.00	0	79.6	70	130				
PFDoA	62	1.8	80.00	0	77.7	70	130				
PFTTrDA	59	1.8	80.00	0	74.3	70	130				
PFTA	57	1.8	80.00	0	71.8	70	130				
Surr: d5-N-EtFOSSA	66		80.00		82.7	70	130				
Surr: M3HFPO-DA	190		200.0		96.8	70	130				
Surr: MPFDA	73		80.00		91.4	70	130				
Surr: MPFHxA	78		80.00		97.7	70	130				

**Qualifiers:** < Not Detected at the Reporting Limit  
PL Permit Limit

H Holding times for preparation or analysis exceeded  
RL Reporting Limit

MCL Maximum Contaminant Level  
S Spike Recovery outside accepted recovery limits

WO#: 2301363

1/16/2023

**Client:** Trace Analytical Laboratories, Inc.

**Project:** 23A0211

**TestCode:** PFAS-DW

Sample ID: <b>LCS-high-5144 B</b>	SampType: <b>LCS-HIGH</b>	TestCode: <b>PFAS-DW</b>	Units: <b>ng/L</b>	Prep Date: <b>1/12/2023</b>	RunNo: <b>30779</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>5144</b>	TestNo: <b>EPA 537.1</b>	Analysis Date: <b>1/14/2023</b>	SeqNo: <b>595293</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PFBS	270	1.8	320.0	0	84.9	70	130				
PFHxA	280	1.8	320.0	0	88.6	70	130				
HFPO-DA	490	1.8	320.0	0	153	70	130				S
PFHxS	280	1.8	320.0	0	88.5	70	130				
PFHpA	280	1.8	320.0	0	87.2	70	130				
ADONA	260	1.8	320.0	0	80.7	70	130				
PFOA	280	1.8	320.0	0	87.5	70	130				
PFOS	290	1.8	320.0	0	90.9	70	130				
PFNA	240	1.8	320.0	0	73.8	70	130				
9CI-PF3ONS	280	1.8	320.0	0	86.3	70	130				
PFDA	260	1.8	320.0	0	80.2	70	130				
NMeFOSAA	250	1.8	320.0	0	78.2	70	130				
NEtFOSAA	210	1.8	320.0	0	65.1	70	130				S
PFUnA	250	1.8	320.0	0	76.8	70	130				
11CI-PF3OUdS	270	1.8	320.0	0	83.1	70	130				
PFDoA	250	1.8	320.0	0	77.2	70	130				
PFTTrDA	260	1.8	320.0	0	79.8	70	130				
PFTA	230	1.8	320.0	0	71.3	70	130				
Surr: d5-N-EtFOSSA	48		80.00		59.6	70	130				S
Surr: M3HFPO-DA	170		200.0		87.2	70	130				
Surr: MPFDA	74		80.00		92.6	70	130				
Surr: MPFHxA	85		80.00		106	70	130				

**Qualifiers:** < Not Detected at the Reporting Limit  
PL Permit Limit

H Holding times for preparation or analysis exceeded  
RL Reporting Limit

MCL Maximum Contaminant Level  
S Spike Recovery outside accepted recovery limits

Trace Analytical Laboratories, Inc.  
2241 Black Creek Road  
Muskegon, MI 49444-2673



231-773-5998 Phone  
888-979-4469 Fax  
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**SUBCONTRACT ORDER**

**23A0211**

**SENDING LABORATORY:**

Trace Analytical Laboratories, Inc.  
2241 Black Creek Road  
Muskegon, MI 49444  
Phone: 231.773.5998

**RECEIVING LABORATORY:**

Prein and Newhof  
3260 Evergreen Drive NE  
Grand Rapids, MI 49525  
Phone :(616) 364-7600

1363/1-2

Project Manager: Tim Brewer

Note Our New Email address: TraceSubOut@trace-labs.com



**PO # 23A0211**


Sample ID: Plant Tap 23A0211-01      Matrix: Drinking Water      Sampled: 01/04/23 14:15      TAT: Standard

Sampled By: DC

***Analysis Needed:***

PFAS Drinking Water- EGLE List with Field Blank

Released By:  Date: 1/5/23      Received By:  Date: 1/6/23 113

Released By: \_\_\_\_\_ Date: \_\_\_\_\_      Received By:  Date: \_\_\_\_\_



Trace Analytical Laboratories, Inc.  
 2241 Black Creek Rd  
 Muskegon, MI 49444



Phone: 231.773.5998  
 Fax: 888.979.4469  
 www.trace-labs.com

Drinking Water Analytical Request

- NOTE:
- Samples must be received on ice and within 24 hours of collection.
  - Bacteria samples are not accepted on Friday after 12pm.
  - Turnaround time is 5 business days after samples are submitted at the lab.

Results may be expedited for an additional charge, but must be approved in advance by the laboratory.

Trace ID: 2346211  
 Logged by: [Signature]  
 Checked by: [Signature]

System Owner/ Company Name: City of Clark  
 Contact Name: Dale Clark  
 Address of Sample Location: 305 Maple  
 City/State/Zip: Clark MI 48617  
 Email: dclark@cityofclark.org  
 Phone Number: 989-386-2321  
 Reason for Sampling (REQUIRED): DR SWAMPY  
 Well Permit Number (if applicable):  
 Sampler's Name: Dale Clark

Contract Name (if different):  
 Company Name (if different):  
 Company Address (if different):  
 City/State/Zip (if different):  
 Email:  
 Phone Number:

Check for results to be emailed to selected local Health Department:  Yes  No

#	Date Collected	Time Collected	Sample Point Description and Well/Pool ID	WSSN (for Public Water Supplies)	Site Code (if applicable)	*Total Coliform / E. Coli (Presence-Absence, SM 2223B)	Nitrate / Nitrite	Partial Chemistry (NO2, NO3, Cl, SO4, FI, Fe, Na, Hardness)	Total Lead	Total Lead and Copper	Total Arsenic	Complete Metals Private Supplies - As, Ba, Cd, Cr, Cu, Fe, Hg, Mn, Pb, Se, Zn	Complete Metals Public Supplies - As, Ba, Be, Cd, Cr, Hg, Ni, Pb, Sb, Se, TI	Volatile Organic Compounds	Free Cyanide	Tannins and Lignins	PFAS	*Total Coliform / E. Coli (Colony Counts, HACH mColi Blue)	*Fecal Coliform (POOLS and SPAS)	Trace Sample Collection	Other:	Other:
1-4-23	2:15		SWAMPY TARP	1420													X					

RELEASED BY	RECEIVED BY	DATE	TIME	RELEASED BY	RECEIVED BY	DATE	TIME
Dale Clark	[Signature]	1/5/23	11:00	[Signature]	[Signature]	1/5/23	16:28

Sample Receipt: Received on ice: Yes/No N/A  
 Proper containers:  Yes  No  
 Received within hold time:  Yes  No  
 Air bubbles absent from VOAs:  Yes  No  
 Proper chemical preservatives:  Yes  No  
 Samples preserved at Trace:  Yes  No  
 Receipt Temperature (°C): -1.2

Payment:  Cash  Credit Card  
 Check Number: \_\_\_\_\_  
 Amount Paid \$: \_\_\_\_\_

Notes: \_\_\_\_\_

NOTE: If any of the required information is not provided, the data may be rejected by your regulating body. Trace is not liable for rejected reports due to insufficient information.