

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



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

April 19, 2023

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

RE: Trace Project 23D0238  
Client Project City of Clare PFAS

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: 23D0238  
Client Project ID: City of Clare PFAS

Trace ID	Sample ID	Matrix	Collected By	Date Collected	Date Received
23D0238-01	Plant Tap	Drinking Water	JM	04/05/23 13:55	04/06/23 11:05

## 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.

April 19, 2023

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

RE: 23D0238

Order No.: 2304570

Dear Mr. Jon Mink:

[Guide to Reading Lab Result](#)

Prein&Newhof Laboratory received 2 sample(s) on 4/11/2023 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

**CLIENT:** Trace Analytical Laboratories, Inc.  
**Project:** 23D0238  
**Lab ID:** 2304570-01  
**Client Sample ID:** 23D0238-01  
**Location:**

**Collection Date:** 4/5/2023 1:55:00 PM  
**Received Date:** 4/11/2023 8:45:00 AM  
**Matrix:** DRINKING WATER  
**Sampled By:** JM

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	4/18/2023 8:11:00 AM
PFHxA	< 2.0	2.0		ng/L	400000	4/18/2023 8:11:00 AM
HFPO-DA	< 2.0	2.0		ng/L	370	4/18/2023 8:11:00 AM
PFHxS	6.8	2.0		ng/L	51	4/18/2023 8:11:00 AM
PFHpA	< 2.0	2.0		ng/L		4/18/2023 8:11:00 AM
ADONA	< 2.0	2.0		ng/L		4/18/2023 8:11:00 AM
PFOA	< 2.0	2.0		ng/L	8.0	4/18/2023 8:11:00 AM
PFOS	5.9	2.0		ng/L	16	4/18/2023 8:11:00 AM
PFNA	< 2.0	2.0		ng/L	6.0	4/18/2023 8:11:00 AM
9CI-PF3ONS	< 2.0	2.0		ng/L		4/18/2023 8:11:00 AM
PFDA	< 2.0	2.0		ng/L		4/18/2023 8:11:00 AM
NMeFOSAA	< 2.0	2.0		ng/L		4/18/2023 8:11:00 AM
NEtFOSAA	< 2.0	2.0		ng/L		4/18/2023 8:11:00 AM
PFUnA	< 2.0	2.0		ng/L		4/18/2023 8:11:00 AM
11CI-PF3OUdS	< 2.0	2.0		ng/L		4/18/2023 8:11:00 AM
PFDoA	< 2.0	2.0		ng/L		4/18/2023 8:11:00 AM
PFTTrDA	< 2.0	2.0		ng/L		4/18/2023 8:11:00 AM
PFTA	< 2.0	2.0		ng/L		4/18/2023 8:11:00 AM
Surr: d5-N-EtFOSSA	97.4	70 - 130		%Rec		4/18/2023 8:11:00 AM
Surr: M3HFPO-DA	107	70 - 130		%Rec		4/18/2023 8:11:00 AM
Surr: MPFDA	108	70 - 130		%Rec		4/18/2023 8:11:00 AM
Surr: MPFHxA	110	70 - 130		%Rec		4/18/2023 8:11:00 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:** 23D0238  
**Lab ID:** 2304570-02  
**Client Sample ID:** Field Blank  
**Location:**

**Collection Date:** 4/5/2023 1:55:00 PM  
**Received Date:** 4/11/2023 8:45:00 AM  
**Matrix:** BLANK  
**Sampled By:** JM

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	4/18/2023 4:52:00 AM
PFHxA	< 2.0	2.0		ng/L	400000	4/18/2023 4:52:00 AM
HFPO-DA	< 2.0	2.0		ng/L	370	4/18/2023 4:52:00 AM
PFHxS	< 2.0	2.0		ng/L	51	4/18/2023 4:52:00 AM
PFHpA	< 2.0	2.0		ng/L		4/18/2023 4:52:00 AM
ADONA	< 2.0	2.0		ng/L		4/18/2023 4:52:00 AM
PFOA	< 2.0	2.0		ng/L	8.0	4/18/2023 4:52:00 AM
PFOS	< 2.0	2.0		ng/L	16	4/18/2023 4:52:00 AM
PFNA	< 2.0	2.0		ng/L	6.0	4/18/2023 4:52:00 AM
9CI-PF3ONS	< 2.0	2.0		ng/L		4/18/2023 4:52:00 AM
PFDA	< 2.0	2.0		ng/L		4/18/2023 4:52:00 AM
NMeFOSAA	< 2.0	2.0		ng/L		4/18/2023 4:52:00 AM
NEtFOSAA	< 2.0	2.0		ng/L		4/18/2023 4:52:00 AM
PFUnA	< 2.0	2.0		ng/L		4/18/2023 4:52:00 AM
11CI-PF3OUdS	< 2.0	2.0		ng/L		4/18/2023 4:52:00 AM
PFDaA	< 2.0	2.0		ng/L		4/18/2023 4:52:00 AM
PFTrDA	< 2.0	2.0		ng/L		4/18/2023 4:52:00 AM
PFTA	< 2.0	2.0		ng/L		4/18/2023 4:52:00 AM
Surr: d5-N-EtFOSSA	89.6	70 - 130		%Rec		4/18/2023 4:52:00 AM
Surr: M3HFPO-DA	91.2	70 - 130		%Rec		4/18/2023 4:52:00 AM
Surr: MPFDA	99.9	70 - 130		%Rec		4/18/2023 4:52:00 AM
Surr: MPFHxA	93.4	70 - 130		%Rec		4/18/2023 4:52:00 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

WO#: 2304570

4/19/2023

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

**Project:** 23D0238

**TestCode:** PFAS-DW

Sample ID: <b>MB-L4-5431</b>	SampType: <b>MBLK</b>	TestCode: <b>PFAS-DW</b>	Units: <b>ng/L</b>	Prep Date: <b>4/12/2023</b>	RunNo: <b>32273</b>						
Client ID: <b>PBW</b>	Batch ID: <b>5431</b>	TestNo: <b>EPA 537.1</b>		Analysis Date: <b>4/18/2023</b>	SeqNo: <b>624560</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	300		320.0		92.3	70	130				
Surr: M3HFPO-DA	170		200.0		87.2	70	130				
Surr: MPFDA	84		80.00		105	70	130				
Surr: MPFHxA	80		80.00		100	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#: 2304570

4/19/2023

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

**Project:** 23D0238

**TestCode:** PFAS-DW

Sample ID: <b>2304566-01AMS</b>	SampType: <b>MS-MID</b>	TestCode: <b>PFAS-DW</b>	Units: <b>ng/L</b>	Prep Date: <b>4/12/2023</b>	RunNo: <b>32273</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>5431</b>	TestNo: <b>EPA 537.1</b>	Analysis Date: <b>4/18/2023</b>	SeqNo: <b>624561</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PFBS	70	1.6	72.73	0	96.3	70	130				
PFHxA	75	1.6	72.73	0	102	70	130				
HFPO-DA	52	1.6	72.73	0	70.9	70	130				
PFHxS	67	1.6	72.73	0	92.0	70	130				
PFHpA	65	1.6	72.73	0	89.2	70	130				
ADONA	67	1.6	72.73	0	92.1	70	130				
PFOA	72	1.6	72.73	0	99.2	70	130				
PFOS	56	1.6	72.73	0	77.1	70	130				
PFNA	61	1.6	72.73	0	83.3	70	130				
9CI-PF3ONS	51	1.6	72.73	0	70.1	70	130				
PFDA	59	1.6	72.73	0	81.2	70	130				
NMeFOSAA	41	1.6	72.73	0	56.6	70	130				S
NEtFOSAA	43	1.6	72.73	0	58.5	70	130				S
PFUnA	53	1.6	72.73	0	72.4	70	130				
11CI-PF3OUdS	45	1.6	72.73	0	62.0	70	130				S
PFDoA	51	1.6	72.73	0	70.3	70	130				
PFTTrDA	53	1.6	72.73	0	72.8	70	130				
PFTA	57	1.6	72.73	0	78.7	70	130				
Surr: d5-N-EtFOSSA	140		290.9		48.5	70	130				S
Surr: M3HFPO-DA	180		181.8		100	70	130				
Surr: MPFDA	51		72.73		70.4	70	130				
Surr: MPFHxA	71		72.73		97.8	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#: 2304570

4/19/2023

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

**Project:** 23D0238

**TestCode:** PFAS-DW

Sample ID: <b>2304676-01ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>PFAS-DW</b>	Units: <b>ng/L</b>	Prep Date: <b>4/12/2023</b>	RunNo: <b>32273</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>5431</b>	TestNo: <b>EPA 537.1</b>		Analysis Date: <b>4/18/2023</b>	SeqNo: <b>624577</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PFBS	< 1.6	1.6						0	0	30	
PFHxA	< 1.6	1.6						0	0	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	< 1.6	1.6						0	0	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	280		296.3		95.4	70	130		0	0	
Surr: M3HFPO-DA	190		185.2		103	70	130		0	0	
Surr: MPFDA	81		74.07		109	70	130		0	0	
Surr: MPFHxA	77		74.07		104	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#: 2304570  
4/19/2023

**Client:** Trace Analytical Laboratories, Inc.  
**Project:** 23D0238

**TestCode:** PFAS-DW

Sample ID: <b>LCS-low-5431 A</b>	SampType: <b>LCS-LOW</b>	TestCode: <b>PFAS-DW</b>	Units: <b>ng/L</b>	Prep Date: <b>4/12/2023</b>	RunNo: <b>32273</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>5431</b>	TestNo: <b>EPA 537.1</b>	Analysis Date: <b>4/17/2023</b>	SeqNo: <b>624579</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PFBS	< 1.8	1.8	2.000	0	85.4	50	150				
PFHxA	1.9	1.8	2.000	0	92.6	50	150				
HFPO-DA	< 1.8	1.8	2.000	0	78.0	50	150				
PFHxS	< 1.8	1.8	2.000	0	87.0	50	150				
PFHpA	1.8	1.8	2.000	0	90.6	50	150				
ADONA	< 1.8	1.8	2.000	0	87.0	50	150				
PFOA	1.9	1.8	2.000	0	97.4	50	150				
PFOS	2.0	1.8	2.000	0	101	50	150				
PFNA	2.0	1.8	2.000	0	99.2	50	150				
9CI-PF3ONS	< 1.8	1.8	2.000	0	78.8	50	150				
PFDA	1.9	1.8	2.000	0	97.4	50	150				
NMeFOSAA	1.9	1.8	2.000	0	96.0	50	150				
NEtFOSAA	1.8	1.8	2.000	0	89.0	50	150				
PFUnA	1.8	1.8	2.000	0	89.2	50	150				
11CI-PF3OUdS	< 1.8	1.8	2.000	0	82.2	50	150				
PFDoA	1.8	1.8	2.000	0	92.0	50	150				
PFTTrDA	1.8	1.8	2.000	0	91.0	50	150				
PFTA	1.9	1.8	2.000	0	93.0	50	150				
Surr: d5-N-EtFOSSA	300		320.0		95.1	70	130				
Surr: M3HFPO-DA	200		200.0		98.5	70	130				
Surr: MPFDA	78		80.00		97.2	70	130				
Surr: MPFHxA	74		80.00		92.1	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

Original  
Page 7 of 9

WO#: 2304570

4/19/2023

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

**Project:** 23D0238

**TestCode:** PFAS-DW

Sample ID: <b>LCS-low-5431 B</b>	SampType: <b>LCS-LOW</b>	TestCode: <b>PFAS-DW</b>	Units: <b>ng/L</b>	Prep Date: <b>4/12/2023</b>	RunNo: <b>32273</b>						
Client ID: <b>BatchQC</b>	Batch ID: <b>5431</b>	TestNo: <b>EPA 537.1</b>	Analysis Date: <b>4/17/2023</b>	SeqNo: <b>624580</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
PFBS	< 1.8	1.8	2.000	0	82.8	50	150				
PFHxA	1.9	1.8	2.000	0	93.0	50	150				
HFPO-DA	< 1.8	1.8	2.000	0	74.6	50	150				
PFHxS	< 1.8	1.8	2.000	0	78.4	50	150				
PFHpA	< 1.8	1.8	2.000	0	84.6	50	150				
ADONA	< 1.8	1.8	2.000	0	83.6	50	150				
PFOA	1.9	1.8	2.000	0	95.6	50	150				
PFOS	1.9	1.8	2.000	0	96.2	50	150				
PFNA	1.9	1.8	2.000	0	95.0	50	150				
9CI-PF3ONS	< 1.8	1.8	2.000	0	79.0	50	150				
PFDA	1.9	1.8	2.000	0	92.8	50	150				
NMeFOSAA	1.8	1.8	2.000	0	88.6	50	150				
NEtFOSAA	1.9	1.8	2.000	0	95.8	50	150				
PFUnA	1.9	1.8	2.000	0	93.8	50	150				
11CI-PF3OUdS	< 1.8	1.8	2.000	0	79.4	50	150				
PFDoA	1.8	1.8	2.000	0	88.4	50	150				
PFTTrDA	1.9	1.8	2.000	0	94.8	50	150				
PFTA	1.8	1.8	2.000	0	89.0	50	150				
Surr: d5-N-EtFOSSA	300		320.0		94.9	70	130				
Surr: M3HFPO-DA	190		200.0		96.5	70	130				
Surr: MPFDA	77		80.00		95.8	70	130				
Surr: MPFHxA	73		80.00		91.5	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

**SUBCONTRACT ORDER**  
**23D0238**

**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

4570/1-2

Project Manager: Tim Brewer

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

**PO # 23D0238**

Sample ID: DW PFAS 23D0238-01      Matrix: Drinking Water      Sampled: 04/05/23 13:55      TAT: Standard

Sampled By: JM

***Analysis Needed:***

**PFAS Drinking Water- EGLE List with Field Blank**

Released By:  Date: 4/4/23 Received By:  Date: 4/11/23 8:45 A.M.



**23D0238**

Clare, City of

Project Manager: Tim Brewer

**Sample Log In Checklist**

Date: 4/16/23	Original Observation	Corrected Temperature	IR-9 (CF: 0.0°C)	IR-10 (CF: 0.0°C)	IR-12 (CF: +0.2°C)	SR1 (CF: -0.2°C)	SR2 (CF: -0.1°C)	Temp Blank	Client Sample
Time: 15:08									
Logged by: LB									
Package Description: Cooler									
Package Temp °C	-0.1	-0.1							
Representative Sample Temp °C	7.0	6.8							

**Sample Receipt**

- Yes  No  Received on ice or other coolant  
 Yes  No  Ice still present upon receipt  
 Yes  No  Custody seals present  
 Yes  No  Trace Courier    Yes  No  Client Drop-off  
 Yes  No  Custody seals intact (if applicable)  
 Yes  No  UPS    Yes  No  Fed Ex    Yes  No  US Mail    Yes  No  Other

**Sample Condition**

- Yes  No  N/A  All sample containers arrived unbroken and labeled  
 Yes  No  N/A  Sufficient sample to run requested analyses  
 Yes  No  N/A  Correct chemical preservative added to samples  
 Yes  No  N/A  Samples preserved at Trace  
 Yes  No  N/A  Chemical preservation verified, check EMD pH test strip used (if applicable)  
      pH 0-2.5 (Lot: HC291593)     pH 11.0-13.0 (Lot: HC022540)     Other  
 Yes  No  N/A  Air bubbles absent from VOAs

**Chain of Custody (COC)**

- Yes  No  All bottle labels agree with COC  
 Yes  No  COC filled out properly  
 Yes  No  COC signed by client

**Notes:**

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