



December 27, 2018

S. Tutt Gorman
 City Manager
 City of Portland
 259 Kent Street
 Portland, MI 48875

RE: Production Well 5 Water Sampling Results

Dear Mr. Gorman:

Attached is the laboratory report from a sample we recently collected from the City of Portland's Production Well 5. The sample was analyzed by SGS in Wilmington, NC for a limited number of perfluoroalkyl and polyfluoroalkyl substances (PFAS) including Perfluorooctanoic Acid (PFOA) and Perfluorooctanesulfonic Acid (PFOS).

The sample was un-treated groundwater collected from a sampling port inside the well house. The laboratory report is summarized below. For reference, the table includes the MDEQ PFOS/PFOA Part 201 Generic Residential and Non-Residential Cleanup Criteria for drinking water of 70 parts per trillion (ppt). Other PFAS substances do not currently have MDEQ Criteria.

Summary of Laboratory Results				Non-PFOS/PFOA detected
Sample	PFOS/PFOA Detected	Total PFOS/PFOA Detected (ppt)	Total PFOS/PFOA Detected Above or Below MDEQ Criteria (70 ppt, or ng/l)	
PW-5	Yes	3.26 ppt	Below	None
Field Blank	No	None	Below	None

Thank you for using the services of F&V. If you need additional information, please contact me.

Sincerely,
 FLEIS & VANDENBRINK

Brian L. Rice, P.E.
 Manager, Environmental Services Group

att: Laboratory Report and Chain of Custody

2960 Lucerne Drive SE, Suite 100
 Grand Rapids, MI 49546
 P: 616.977.1000
 F: 616.977.1005
 www.fveng.com



FINAL LAB REPORT

Portland Municipal Water

31801622

19-Dec-2018

Prepared by

SGS NORTH AMERICA

Prepared for

Fleis & VandenBrink Engineering

Brian Rice

4798 Campus Dr

Kalamazoo, MI 49008

Phone: 269-385-0011

Email: brianr@fveng.com

This report is approved by

Amy Boehm

amy.boehm@sgs.com

Project Manager

This document is issued by the Company under its General Conditions of Service accessible at https://www.sgs.com/en/terms_and_conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

SGS remains committed to serving you in the most effective manner. Should you have any questions or need additional information and technical support, please do not hesitate to contact us.

The management and staff of SGS welcomes customer feedback, both positive and negative, as we continually improve our services. Please visit our web site at www.sgs.com/ultratrace and click on the 'Email Us' link or go to our survey at https://www.surveymonkey.com/r/SGSAP_VoiceOfCustomer?sm=1fj7v53XMdpUSBSUahp2w%3d%3d. Thank you for choosing SGS.

Any holder of this document is advised that it is a final submission and supersedes and voids all prior reports with the same report or identification number. The information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility in conducting the work herein is to its Client and does not exonerate parties to a transaction from exercising all of their rights and obligations under such applicable transaction documents. This report may be reproduced in full only. The Company expressly disclaims any and all liability for the Client's use of or reliance upon the data contained herein. Any alteration, forgery or falsification of the content or appearance of this document which is not expressly authorized by the Company is unlawful and offenders may be prosecuted to the fullest extent of the law. Results reported relate only to the items tested.



SGS CERTIFICATIONS

Arkansas	88-0682
California (ELAP)	ELAP Cert #2914
CLIA	34D1013708
Connecticut	PH-0258
USDA Soil Permit	P330-17-00055
American Association for Laboratory Accreditation (A2LA)	2726.01 (ISO 17025:2005, 2009 TNI, DoD ELAP QSM 5.0)
Florida DOH	E87634
Louisiana DEQ	4115
Louisiana DOH	LA180027
Maine	2016028
Massachusetts	M-NC919
Minnesota (Primary NELAP For Method 23)	1179213
Mississippi	Reciprocity
Nebraska	NE-OS-33-17
New Hampshire	208317 & 208517
New Jersey	NC100
New York	11685
North Carolina DEQ	481
North Dakota	R-197
Oregon	NC200002
Pennsylvania	68-03675
South Carolina	99029002
Texas	T104704260
US Coast Guard	16714/159.317/SGS
Virginia	9502
Washington	C913
West Virginia	293

Rev. 13-Mar-2018

Laboratory Qualifiers

Report Definitions

DL	Method, Instrument, or Estimated Detection Limit per Analytical Method
CL	Control Limits for the recovery result of a parameter
LOQ	Reporting Limit
DF	Dilution Factor
RPD	Relative Percent Difference
LCS(D)	Laboratory Control Spike (Duplicate)
MS(D)	Matrix Spike (Duplicate)
MB	Method Blank

Qualifier Definitions

*	Recovery or RPD outside of control limits
B	Analyte was detected in the Lab Method Blank at a level above the LOQ
U	Undetected (Reported as ND or < DL)
J	Estimated Concentration.
E	Amount detected is greater than the Upper Calibration Limit
TIC	Tentatively Identified Compound
ND	Not Detected
P	RPD > 40% between results of dual columns
D	Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range

Samples requiring manual integrations for various congeners and/or standards are marked and dated by the analyst. A code definition is provided below:

M1	Mis-identified peak
M2	Software did not integrate peak
M3	Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one)
M4	Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane)
M5	Other - Explained in case narrative

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.

Sample Summary

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Collected</u>	<u>Received</u>	<u>Matrix</u>
PW-5	31801622001	11/30/2018 13:15	12/01/2018 10:45	Drinking Water
Field Blank	31801622002	11/30/2018 13:20	12/01/2018 10:45	Drinking Water

Case Narrative

LCS for HBN 146254 [HXX/2268]

Elevated d3-NMeFOSAA recovery - other internal standards are within range.

LCSD for HBN 146254 [HXX/2268]

Elevated d3-NMeFOSAA recovery - other internal standards are within range.

MB for HBN 146254 [HXX/2268]

Elevated d3-NMeFOSAA recovery - other internal standards are within range.

Detectable Results Summary

Client Sample ID: **PW-5**

Lab Sample ID: 31801622001-A

EPA 537 v1.1

Parameter

PFOS

Result

3.26

Units

ng/L

Qualifier

Parameter Cross Reference

SURROGATE

<u>PARAMETER</u>	<u>CASNO</u>	<u>FULL_NAME</u>
13C2-PFHxA	13CPFHXA	13C2-Perfluoro-n-hexanoic Acid
13C2-PFDA	13CPFDA	13C2-PerFluorodecanoic Acid
d5-NEtFOSAA	1265205-97-7	d5-N-ethyl-perfluoro-1-octanesulfonamidoacetic

REGULAR

<u>PARAMETER</u>	<u>CASNO</u>	<u>FULL_NAME</u>
PFHxA	307-24-4	Perfluoro-n-hexanoic Acid
PFHpA	375-85-9	Perfluoro-n-heptanoic Acid
PFOA	335-67-1	Perfluoro-n-octanoic Acid
PFNA	375-95-1	Perfluoro-n-nonanoic Acid
PFDA	335-76-2	Perfluoro-n-decanoic Acid
PFuNA	2058-94-8	Perfluoro-n-undecanoic Acid
PFDoA	307-55-1	Perfluoro-n-dodecanoic Acid
PFTriA	72629-94-8	Perfluoro-n-tridecanoic Acid
PFTreA	376-06-7	Perfluoro-n-tetradecanoic Acid
PFBS	375-73-5	Perfluorobutanesulfonic Acid
PFHxS	355-46-4	Perfluorohexanesulfonic Acid
PFOS	1763-23-1	Perfluorooctanesulfonic Acid
NMeFOSAA	2355-31-9	N-methyl perfluoro-1-octanesulfoamidoacetic Acid
NetFOSAA	2991-50-6	N-ethyl perfluoro-1-octanesulfoamidoacetic

Results of PW-5

Client Sample ID: **PW-5**
 Client Project ID: **Portland Municipal Water**
 Lab Sample ID: 31801622001-A
 Lab Project ID: 31801622

Collection Date: 11/30/2018 13:15
 Received Date: 12/01/2018 10:45
 Matrix: Drinking Water
 Solids (%):

Results by EPA 537 v1.1

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
PFHxA	ND		1.72	ng/L	1	12/4/2018 18:28
PFHpA	ND		1.72	ng/L	1	12/4/2018 18:28
PFOA	ND		1.72	ng/L	1	12/4/2018 18:28
PFNA	ND		1.72	ng/L	1	12/4/2018 18:28
PFDA	ND		1.72	ng/L	1	12/4/2018 18:28
PFuNA	ND		1.72	ng/L	1	12/4/2018 18:28
PFDoA	ND		1.72	ng/L	1	12/4/2018 18:28
PFTriA	ND		1.72	ng/L	1	12/4/2018 18:28
PFTreA	ND		1.72	ng/L	1	12/4/2018 18:28
PFBS	ND		1.72	ng/L	1	12/4/2018 18:28
PFHxS	ND		1.72	ng/L	1	12/4/2018 18:28
PFOS	3.26		1.72	ng/L	1	12/4/2018 18:28
NMeFOSAA	ND		1.72	ng/L	1	12/4/2018 18:28
NetFOSAA	ND		1.72	ng/L	1	12/4/2018 18:28
Surrogates						
13C2-PFHxA	101		70.0-130	%	1	12/4/2018 18:28
13C2-PFDA	96.5		70.0-130	%	1	12/4/2018 18:28
d5-NEtFOSAA	88.9		70.0-130	%	1	12/4/2018 18:28

Batch Information

Analytical Batch: **XLC1243**
 Analytical Method: **EPA 537 v1.1**
 Instrument: **TQS1**
 Analyst: **ADM**

Prep Batch: **HXX2264**
 Prep Method: **EPA 537 1.1 PREP**
 Prep Date/Time: **12/04/2018 14:19**
 Prep Initial Wt./Vol.: **290 mL**
 Prep Extract Vol: **1 mL**

Results of Field Blank

Client Sample ID: **Field Blank**
 Client Project ID: **Portland Municipal Water**
 Lab Sample ID: 31801622002
 Lab Project ID: 31801622

Collection Date: 11/30/2018 13:20
 Received Date: 12/01/2018 10:45
 Matrix: Drinking Water
 Solids (%):

Results by EPA 537 v1.1

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>	<u>Date Analyzed</u>
PFHxA	ND		1.72	ng/L	1	12/13/2018 2:59
PFHpA	ND		1.72	ng/L	1	12/13/2018 2:59
PFOA	ND		1.72	ng/L	1	12/13/2018 2:59
PFNA	ND		1.72	ng/L	1	12/13/2018 2:59
PFDA	ND		1.72	ng/L	1	12/13/2018 2:59
PFuNA	ND		1.72	ng/L	1	12/13/2018 2:59
PFDoA	ND		1.72	ng/L	1	12/13/2018 2:59
PFTriA	ND		1.72	ng/L	1	12/13/2018 2:59
PFTreA	ND		1.72	ng/L	1	12/13/2018 2:59
PFBS	ND		1.72	ng/L	1	12/13/2018 2:59
PFHxS	ND		1.72	ng/L	1	12/13/2018 2:59
PFOS	ND		1.72	ng/L	1	12/13/2018 2:59
NMeFOSAA	ND		1.72	ng/L	1	12/13/2018 2:59
NetFOSAA	ND		1.72	ng/L	1	12/13/2018 2:59
Surrogates						
13C2-PFHxA	77.3		70.0-130	%	1	12/13/2018 2:59
13C2-PFDA	110		70.0-130	%	1	12/13/2018 2:59
d5-NEtFOSAA	74.4		70.0-130	%	1	12/13/2018 2:59

Batch Information

Analytical Batch: **XLC1248**
 Analytical Method: **EPA 537 v1.1**
 Instrument: **TQS1**
 Analyst: **ADM**

Prep Batch: **HXX2268**
 Prep Method: **EPA 537 1.1 PREP**
 Prep Date/Time: **12/12/2018 15:25**
 Prep Initial Wt./Vol.: **290 mL**
 Prep Extract Vol: **1 mL**

Batch Summary

Analytical Method: EPA 537 v1.1

Prep Method: EPA 537 1.1 PREP

Prep Batch: HXX2264

Prep Date: 12/04/2018 14:19

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Analysis Date</u>	<u>Analytical Batch</u>	<u>Instrument</u>	<u>Analyst</u>
MB for HBN 146237 [HXX/2264]	223501	12/04/2018 16:23	XLC1243	TQS1	ADM
LCS for HBN 146237 [HXX/2264]	223502	12/04/2018 16:54	XLC1243	TQS1	ADM
POE(223465MS)	223503	12/04/2018 17:57	XLC1243	TQS1	ADM
PW-5(223470DUP)	223504	12/04/2018 18:59	XLC1243	TQS1	ADM
PW-5	31801622001	12/04/2018 18:28	XLC1243	TQS1	ADM

Method Blank

Blank ID: MB for HBN 146237 [HXX/2264]
 Blank Lab ID: 223501
 QC for Samples:
 31801622001

Matrix: Water

Results by EPA 537 v1.1

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
PFHxA	ND		2.00	ng/L	1
PFHpA	ND		2.00	ng/L	1
PFOA	ND		2.00	ng/L	1
PFNA	ND		2.00	ng/L	1
PFDA	ND		2.00	ng/L	1
PFuNA	ND		2.00	ng/L	1
PFDoA	ND		2.00	ng/L	1
PFTriA	ND		2.00	ng/L	1
PFTreA	ND		2.00	ng/L	1
PFBS	ND		2.00	ng/L	1
PFHxS	ND		2.00	ng/L	1
PFOS	ND		2.00	ng/L	1
NMeFOSAA	ND		2.00	ng/L	1
NetFOSAA	ND		2.00	ng/L	1
Surrogates					
13C2-PFHxA	94.3		70.0-130	%	1
13C2-PFDA	98.1		70.0-130	%	1
d5-NEtFOSAA	104		70.0-130	%	1

Batch Information

Analytical Batch: XLC1243
 Analytical Method: EPA 537 v1.1
 Instrument: TQS1
 Analyst: ADM

Prep Batch: HXX2264
 Prep Method: EPA 537 1.1 PREP
 Prep Date/Time: 12/4/2018 2:19:32PM
 Prep Initial Wt./Vol.: 250 mL
 Prep Extract Vol: 1 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 146237 [HXX/2264]

Blank Spike Lab ID: 223502

Date Analyzed: 12/04/2018 16:54

Matrix: Water

QC for Samples: 31801622001

Results by EPA 537 v1.1

Parameter	Blank Spike (ng/L)			CL
	Spike	Result	Rec (%)	
PFHxA	100	94.2	94.2	70.0-130
PFHpA	100	96.4	96.4	70.0-130
PFOA	100	97.0	97	70.0-130
PFNA	100	95.6	95.6	70.0-130
PFDA	100	91.0	91	70.0-130
PFuNA	100	94.2	94.2	70.0-130
PFDaA	100	88.2	88.2	70.0-130
PFTriA	100	87.6	87.6	70.0-130
PFTreA	100	81.3	81.3	70.0-130
PFBS	88.6	87.9	99.2	70.0-130
PFHxS	91.2	91.8	101	70.0-130
PFOS	92.6	83.3	90	70.0-130
NMeFOSAA	100	87.1	87.1	70.0-130
NetFOSAA	100	89.0	89	70.0-130
Surrogates				
13C2-PFHxA			92.3	70.0-130
13C2-PFDA			99.2	70.0-130
d5-NEtFOSAA			100	70.0-130

Batch Information

Analytical Batch: **XLC1243**

Analytical Method: **EPA 537 v1.1**

Instrument: **TQS1**

Analyst: **ADM**

Prep Batch: **HXX2264**

Prep Method: **EPA 537 1.1 PREP**

Prep Date/Time: **12/04/2018 14:19**

Spike Init Wt./Vol.: **250 mL** Extract Vol: **1 mL**

Dupe Init Wt./Vol.: Extract Vol:

Duplicate Sample Summary

Original Sample ID: 31801622001
 Duplicate Sample ID: 223504

Analysis Date: 12/04/2018 18:28
 Analysis Date: 12/04/2018 18:59
 Matrix: Drinking Water

QC for Samples: 31801622001

Results by EPA 537 v1.1

<u>PARAMETER</u>	<u>Original (ng/L)</u>	<u>Qual</u>	<u>Duplicate (ng/L)</u>	<u>Qual</u>	<u>RPD (%)</u>	<u>RPD CL</u>
PFHxA	ND		ND			30.00
PFHpA	ND		ND			30.00
PFOA	ND		ND			30.00
PFNA	ND		ND			30.00
PFDA	ND		ND			30.00
PFuNA	ND		ND			30.00
PFDoA	ND		ND			30.00
PFTriA	ND		ND			30.00
PFTreA	ND		ND			30.00
PFBS	ND		ND			30.00
PFHxS	ND		ND			30.00
PFOS	3.26		3.38		3.6	30.00
NMeFOSAA	ND		ND			30.00
NetFOSAA	ND		ND			30.00
Surrogates						
13C2-PFHxA	101		100		0.46	30.00
13C2-PFDA	96.5		98.8		2.4	30.00
d5-NEtFOSAA	88.9		94.9		6.4	30.00

Batch Information

Analytical Batch: XLC1243
 Analytical Method: EPA 537 v1.1
 Instrument: TQS1
 Analyst: ADM

Prep Batch: HXX2264
 Prep Method: EPA 537 1.1 PREP
 Prep Date/Time: 12/04/2018 14:19

Batch Summary

Analytical Method: EPA 537 v1.1

Prep Method: EPA 537 1.1 PREP

Prep Batch: HXX2268

Prep Date: 12/12/2018 15:16

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Analysis Date</u>	<u>Analytical Batch</u>	<u>Instrument</u>	<u>Analyst</u>
MB for HBN 146254 [HXX/2268]	223671	12/13/2018 01:25	XLC1248	TQS1	ADM
LCS for HBN 146254 [HXX/2268]	223672	12/13/2018 01:56	XLC1248	TQS1	ADM
LCSD for HBN 146254 [HXX/2268]	223673	12/13/2018 02:28	XLC1248	TQS1	ADM
Field Blank	31801622002	12/13/2018 02:59	XLC1248	TQS1	ADM

Method Blank

Blank ID: MB for HBN 146254 [HXX/2268]
 Blank Lab ID: 223671
 QC for Samples:
 31801622002

Matrix: Water

Results by EPA 537 v1.1

<u>Parameter</u>	<u>Result</u>	<u>Qual</u>	<u>LOQ/CL</u>	<u>Units</u>	<u>DF</u>
PFHxA	ND		2.00	ng/L	1
PFHpA	ND		2.00	ng/L	1
PFOA	ND		2.00	ng/L	1
PFNA	ND		2.00	ng/L	1
PFDA	ND		2.00	ng/L	1
PFuNA	ND		2.00	ng/L	1
PFDoA	ND		2.00	ng/L	1
PFTriA	ND		2.00	ng/L	1
PFTreA	ND		2.00	ng/L	1
PFBS	ND		2.00	ng/L	1
PFHxS	ND		2.00	ng/L	1
PFOS	ND		2.00	ng/L	1
NMeFOSAA	ND		2.00	ng/L	1
NetFOSAA	ND		2.00	ng/L	1
Surrogates					
13C2-PFHxA	94.6		70.0-130	%	1
13C2-PFDA	108		70.0-130	%	1
d5-NEtFOSAA	78.2		70.0-130	%	1

Batch Information

Analytical Batch: XLC1248
 Analytical Method: EPA 537 v1.1
 Instrument: TQS1
 Analyst: ADM

Prep Batch: HXX2268
 Prep Method: EPA 537 1.1 PREP
 Prep Date/Time: 12/12/2018 3:16:43PM
 Prep Initial Wt./Vol.: 250 mL
 Prep Extract Vol: 1 mL

Blank Spike Summary

Blank Spike ID: LCS for HBN 146254 [HXX/2268]

Blank Spike Lab ID: 223672

Date Analyzed: 12/13/2018 01:56

QC for Samples: 31801622002

Spike Duplicate ID: LCSD for HBN 146254 [HXX/2268]

Spike Duplicate Lab ID: 223673

Date Analyzed: 12/13/2018 02:28

Matrix: Water

Results by EPA 537 v1.1

Parameter	Blank Spike (ng/L)			Spike Duplicate (ng/L)			CL	RPD (%)	RPD CL
	Spike	Result	Rec (%)	Spike	Result	Rec (%)			
PFHxA	100	98.7	98.7	100	100	100	70.0-130	1.3	30.00
PFHpA	100	99.5	99.5	100	105	105	70.0-130	5.4	30.00
PFOA	100	102	102	100	107	107	70.0-130	4.8	30.00
PFNA	100	104	104	100	109	109	70.0-130	4.7	30.00
PFDA	100	96.9	96.9	100	98.3	98.3	70.0-130	1.4	30.00
PFuNA	100	101	101	100	102	102	70.0-130	0.99	30.00
PFDoA	100	92.1	92.1	100	91.6	91.6	70.0-130	0.54	30.00
PFTriA	100	90.9	90.9	100	92.2	92.2	70.0-130	1.4	30.00
PFTreA	100	84.5	84.5	100	86.5	86.5	70.0-130	2.3	30.00
PFBS	88.6	79.8	90.1	88.6	80.6	90.9	70.0-130	1.0	30.00
PFHxS	91.2	82.1	90	91.2	85.4	93.6	70.0-130	3.9	30.00
PFOS	92.6	79.4	85.7	92.6	78.8	85.1	70.0-130	0.76	30.00
NMeFOSAA	100	122	122	100	124	124	70.0-130	1.6	30.00
NetFOSAA	100	94.5	94.5	100	96.1	96.1	70.0-130	1.7	30.00
Surrogates									
13C2-PFHxA			89.3			81.9	70.0-130		
13C2-PFDA			110			100	70.0-130		
d5-NEtFOSAA			77.8			72.2	70.0-130		

Batch Information

Analytical Batch: **XLC1248**

Analytical Method: **EPA 537 v1.1**

Instrument: **TQS1**

Analyst: **ADM**

Prep Batch: **HXX2268**

Prep Method: **EPA 537 1.1 PREP**

Prep Date/Time: **12/12/2018 15:16**

Spike Init Wt./Vol.: **250 mL** Extract Vol: **1 mL**

Dupe Init Wt./Vol.: **250 mL** Extract Vol: **1 mL**

SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: Fleis & VandenBrink Engineering Work Order No.: 31801622

- | | | |
|-----|--|--|
| 1. | <input checked="" type="checkbox"/> Shipped
<input type="checkbox"/> Hand Delivered | Notes: _____

_____ |
| 2. | <input checked="" type="checkbox"/> COC Present on Receipt
<input type="checkbox"/> No COC
<input type="checkbox"/> Additional Transmittal Forms | _____

_____ |
| 3. | <input type="checkbox"/> Custody Tape on Container
<input checked="" type="checkbox"/> No Custody Tape | _____
_____ |
| 4. | <input checked="" type="checkbox"/> Samples Intact
<input type="checkbox"/> Samples Broken / Leaking | _____
_____ |
| 5. | <input checked="" type="checkbox"/> Chilled on Receipt Actual Temp.(s) in °C: 1.1 Thermometer ID#: IR4-Probe
<input type="checkbox"/> Ambient on Receipt
<input type="checkbox"/> Walk-in on Ice; Coming down to temp.
<input checked="" type="checkbox"/> Temperature Blank Present
<input type="checkbox"/> WV samples-proxy not allowed | _____

_____ |
| 6. | <input checked="" type="checkbox"/> Sufficient Sample Submitted
<input type="checkbox"/> Insufficient Sample Submitted | _____
_____ |
| 7. | <input type="checkbox"/> Chlorine absent
<input type="checkbox"/> HNO3 < 2
<input type="checkbox"/> HCL < 2
<input checked="" type="checkbox"/> Additional Preservatives verified (see notes) | _____

<u>Trizma</u> |
| 8. | <input checked="" type="checkbox"/> Received Within Holding Time
<input type="checkbox"/> Not Received Within Holding Time | _____
_____ |
| 9. | <input checked="" type="checkbox"/> No Discrepancies Noted
<input type="checkbox"/> Discrepancies Noted
<input type="checkbox"/> NCDENR notified of Discrepancies* | _____

_____ |
| 10. | <input type="checkbox"/> No Headspace present in VOC vials
<input type="checkbox"/> Headspace present in VOC vials >6mm | <u>N/A</u>
_____ |

Comments: _____

* = Hold Field Blank per client instructions. Only analyze if impacts found in sample -001.

Inspected and Logged in by: AMO

Date: 12/3/2018