



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S9I0353

**Watkins Glen Water Department**

Harley Connelly  
303 North Franklin Street  
Watkins Glen, NY 14891

**Project Name: PFOA/PFOS Testing**

Project / PO Number: N/A  
Received: 10/02/2019  
Reported: 10/14/2019

---

**Case Narrative**

Microbac Laboratories Inc., Marrietta, OH holds certification in New York State for PFOS & PFOA compounds by method 537.

---

**Note**

All sample results for this work order are attached to the end of this report.

---

**Sample Summary Report**

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Client Matrix</u>	<u>Sample Type</u>	<u>Sample Begin</u>	<u>Sample Taken</u>	<u>Lab Received</u>
Sample Point: Entry Point	S9I0353-01	Drinking Water	Grab		10/02/19 07:45	10/02/19 16:25
Field Reagent Blank	S9I0353-02	Drinking Water	Field Blank		10/02/19 07:45	10/02/19 16:25



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S9I0353

Cooler Receipt Log

Cooler ID: Default Cooler

Temp: 5.4°C

Cooler Inspection Checklist

Ice Present or not required?	Yes	Shipping containers sealed or not required?	Yes
Custody seals intact or not required?	Yes	Chain of Custody (COC) Present?	Yes
COC includes customer information?	Yes	Relinquished and received signature on COC?	Yes
Sample collector identified on COC?	Yes	Sample type identified on COC?	Yes
Correct type of Containers Received	Yes	Correct number of containers listed on COC?	Yes
Containers Intact?	Yes	COC includes requested analyses?	Yes
Enough sample volume for indicated tests received?	Yes	Sample labels match COC (Name, Date & Time?)	Yes
Samples arrived within hold time?	Yes	Correct preservatives on COC or not required?	Yes
Chemical preservations checked or not required?	Yes	Preservation checks meet method requirements?	Yes
VOA vials have zero headspace, or not recd.?	Yes		

Report Comments

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included.

Reviewed and Approved By:

Renee Lantz  
Customer Relationship Specialist  
Reported: 10/14/2019 20:11

Microbac Laboratories, Inc., Sayre Division  
**Chain of Custody**  
**S910353**

**TAT 7 days**

**Watkins Glen Water Department**

**Project Name: PFOA/PFOS Testing**

Harley Connelly  
 303 North Franklin Street  
 Watkins Glen, NY 14891  
 Phone: (607) 535-6914

Project / PO Number: N/A  
 Tentatively Scheduled: 9/27/2019  
 Field Route ID:

**Client Sample ID: Sample Point:** ENTRY POINT

**Lab Sample ID:** S910353-01

**Matrix:** Drinking Water

**Sampled Date & Time:** 10-2-19 7:45 AM

**Type:** Grab

<u>Analysis</u>	<u>Method</u>	<u>Field Results/Comments</u>	<u>Hold Time</u>
537 Alkyl Acids	EPA 537 Rev. 1.1		14.00 days
		<u>Container(s)</u>	<u>Designator</u>
		P-250ml Plastic Oblong WM, Trizma	A
		P-250ml Plastic Oblong WM, Trizma	B

**Client Sample ID: Field Reagent Blank**

**Lab Sample ID:** S910353-02

**Matrix:** Drinking Water

**Sampled Date & Time:** 10-2-19 7:45 AM

**Type:** Field Blank

<u>Analysis</u>	<u>Method</u>	<u>Field Results/Comments</u>	<u>Hold Time</u>
537 Alkyl Acids	EPA 537 Rev. 1.1		14.00 days
		<u>Container(s)</u>	<u>Designator</u>
		P-250ml Plastic Oblong WM, Trizma	A

Sampled/Relinquished by: <u>Martin Pierce</u>	Date/Time: <u>10/2/19 1445</u>	Received by: <u>JLH</u>
Printed Name: <u>MARTIN PIERCE</u>	<u>09:45</u>	Printed Name: <u>J PALANZA</u>
Relinquished by: <u>JLH</u>	Date/Time: <u>10/2/19</u>	Received by: <u>MA</u>
Printed Name: <u>J PALANZA</u>	<u>1620</u>	Printed Name: <u>Taylor Conway</u>
Relinquished by:	Date/Time:	Received by:
Printed Name:		Printed Name:

As Received at Laboratory:      On Ice: Yes / No      Temp 5.4 °C      Total Containers: 3

*Microbac Laboratories may be unable to perform a portion of the requested testing in which case we will subcontract the analysis to an appropriately accredited laboratory. By signing this document you are acknowledging that you have been informed by Microbac that testing could be subcontracted and agree with this arrangement.*

Notes:



**Laboratory Report Number:** L19100034

Renee Lantz  
Microbac Laboratories  
2566 Pennsylvania Ave  
Sayre, PA 18840

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac's Ohio Valley Division (OVD). If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed below.

Laboratory Contact:  
—  
(740) 373-4071  
Alicia.walker@microbac.com

*I certify that all test results meet all of the requirements of the accrediting authority listed below. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.*

This report was certified on October 11 2019

Jeffrey Ogle – Laboratory Manager

State of Origin: NY  
Accrediting Authority: Department of Health ID:10861  
QAPP: Microbac OVD



## Record of Sample Receipt and Inspection

### Comments/Discrepancies

This is the record of the shipment conditions and the inspection records for the samples received and reported as a sample delivery group (SDG). All of the samples were inspected and observed to conform to our receipt policies, except as noted below.

There were no discrepancies.

Discrepancy	Resolution

### Coolers

Cooler #	Temperature Gun	Temperature	COC #	Airbill #	Temp Required?
00115669	H	4.0		1001891710310004575000776446512379	X

### Inspection Checklist

#	Question	Result
1	Were shipping coolers sealed?	Yes
2	Were custody seals intact?	Yes
3	Were cooler temperatures in range of 0-6?	Yes
4	Was ice present?	Yes
5	Were COC's received/information complete/signed and dated?	Yes
6	Were sample containers intact and match COC?	Yes
7	Were sample labels intact and match COC?	Yes
8	Were the correct containers and volumes received?	Yes
9	Were samples received within EPA hold times?	Yes
10	Were correct preservatives used? (water only)	Yes
11	Were pH ranges acceptable? (voa's excluded)	NA
12	Were VOA samples free of headspace (less than 6mm)?	NA

**Samples Received**

Client ID	Laboratory ID	Date Collected	Date Received
S9I0353-01	L19100034-01	10/02/2019 07:45	10/03/2019 11:22
S9I0353-01 DUP	L19100034-02	10/02/2019 07:45	10/03/2019 11:22
S9I0353-02 FIELD BLANK	L19100034-03	10/02/2019 07:45	10/03/2019 11:22

## Certificate of Analysis

<b>Sample #:</b> L19100034-01	<b>PrePrep Method:</b> N/A	<b>Instrument:</b> LCMS2
<b>Client ID:</b> S910353-01	<b>Prep Method:</b> 537	<b>Prep Date:</b> 10/04/2019 08:00
<b>Matrix:</b> Water	<b>Analytical Method:</b> 537	<b>Cal Date:</b> 10/07/2019 23:25
<b>Workgroup #:</b> WG711958	<b>Analyst:</b> CAS	<b>Run Date:</b> 10/08/2019 07:51
<b>Collect Date:</b> 10/02/2019 07:45	<b>Dilution:</b> 1	<b>File ID:</b> 2LM012405
<b>Sample Tag:</b> 01	<b>Units:</b> ug/L	

Analyte	CAS #	Result	Qual	RL	MDL
PFOA	335-67-1	0.00146	J	0.00179	0.000893
PFOS	1763-23-1		U	0.00179	0.000893
PFHxA	307-24-4	0.00105	J	0.00179	0.000893
PFHpA	375-85-9		U	0.00179	0.000893
PFNA	375-95-1		U	0.00179	0.000893
PFDA	335-76-2		U	0.00179	0.000893
PFUdA	2058-94-8		U	0.00179	0.000893
PFDaA	307-55-1		U	0.00179	0.000893
PFTrDA	72629-94-8		U	0.00179	0.000893
PFTeDA	376-06-7		U	0.00179	0.000893
PFBS	375-73-5		U	0.00161	0.000804
PFHxS	355-46-4		U	0.00161	0.000804
N-EtFOSAA	2991-50-6		U	0.0179	0.00893
N-MeFOSAA	2355-31-9		U	0.0179	0.00893
Surrogate	Recovery	Lower Limit	Upper Limit	Q	
MPFDA	88.7	70	130		
MPFHxA	86.2	70	130		
d5-N-EtFOSAA	84.2	70	130		
M3HFPO-DA	106	70	130		
J	The analyte was positively identified, but the quantitation was below the RL				
U	Not detected at or above adjusted sample detection limit				

<b>Sample #:</b> L19100034-02	<b>PrePrep Method:</b> N/A	<b>Instrument:</b> LCMS2
<b>Client ID:</b> S910353-01 DUP	<b>Prep Method:</b> 537	<b>Prep Date:</b> 10/04/2019 08:00
<b>Matrix:</b> Water	<b>Analytical Method:</b> 537	<b>Cal Date:</b> 10/07/2019 23:25
<b>Workgroup #:</b> WG711958	<b>Analyst:</b> CAS	<b>Run Date:</b> 10/08/2019 08:13
<b>Collect Date:</b> 10/02/2019 07:45	<b>Dilution:</b> 1	<b>File ID:</b> 2LM012406
<b>Sample Tag:</b> 01	<b>Units:</b> ug/L	

Analyte	CAS #	Result	Qual	RL	MDL
PFOA	335-67-1	0.00133	J	0.00179	0.000893
PFOS	1763-23-1		U	0.00179	0.000893
PFHxA	307-24-4		U	0.00179	0.000893

## Certificate of Analysis

Analyte	CAS #	Result	Qual	RL	MDL
PFHpA	375-85-9		U	0.00179	0.000893
PFNA	375-95-1		U	0.00179	0.000893
PFDA	335-76-2		U	0.00179	0.000893
PFUdA	2058-94-8		U	0.00179	0.000893
PFDoA	307-55-1		U	0.00179	0.000893
PFTTrDA	72629-94-8		U	0.00179	0.000893
PFTeDA	376-06-7		U	0.00179	0.000893
PFBS	375-73-5		U	0.00161	0.000804
PFHxS	355-46-4		U	0.00161	0.000804
N-EtFOSAA	2991-50-6		U	0.0179	0.00893
N-MeFOSAA	2355-31-9		U	0.0179	0.00893
Surrogate	Recovery	Lower Limit	Upper Limit	Q	
MPFDA	85.4	70	130		
MPFHxA	85.6	70	130		
d5-N-EtFOSAA	77.9	70	130		
M3HFPO-DA	99.8	70	130		
J	The analyte was positively identified, but the quantitation was below the RL				
U	Not detected at or above adjusted sample detection limit				

<b>Sample #:</b> L19100034-03	<b>PrePrep Method:</b> N/A	<b>Instrument:</b> LCMS2
<b>Client ID:</b> S9I0353-02 FIELD BLANK	<b>Prep Method:</b> 537	<b>Prep Date:</b> 10/04/2019 08:00
<b>Matrix:</b> Water	<b>Analytical Method:</b> 537	<b>Cal Date:</b> 10/07/2019 23:25
<b>Workgroup #:</b> WG711958	<b>Analyst:</b> CAS	<b>Run Date:</b> 10/08/2019 08:34
<b>Collect Date:</b> 10/02/2019 07:45	<b>Dilution:</b> 1	<b>File ID:</b> 2LM012407
<b>Sample Tag:</b> 01	<b>Units:</b> ug/L	

Analyte	CAS #	Result	Qual	RL	MDL
PFOA	335-67-1		U	0.00179	0.000893
PFOS	1763-23-1		U	0.00179	0.000893
PFHxA	307-24-4		U	0.00179	0.000893
PFHpA	375-85-9		U	0.00179	0.000893
PFNA	375-95-1		U	0.00179	0.000893
PFDA	335-76-2		U	0.00179	0.000893
PFUdA	2058-94-8		U	0.00179	0.000893
PFDoA	307-55-1		U	0.00179	0.000893
PFTTrDA	72629-94-8		U	0.00179	0.000893
PFTeDA	376-06-7		U	0.00179	0.000893
PFBS	375-73-5		U	0.00161	0.000804
PFHxS	355-46-4		U	0.00161	0.000804
N-EtFOSAA	2991-50-6		U	0.0179	0.00893



**Certificate of Analysis**

Analyte	CAS #	Result			Qual	RL	MDL
N-MeFOSAA	2355-31-9				U	0.0179	0.00893
Surrogate	Recovery	Lower Limit	Upper Limit	Q			
MPFDA	88.0	70	130				
MPFHxA	87.0	70	130				
d5-N-EtFOSAA	86.6	70	130				
M3HFPO-DA	103	70	130				
U	Not detected at or above adjusted sample detection limit						

Microbac Laboratories Inc.  
Ohio Valley Division Analyst List  
October 11, 2019

---

001 - BIO-CHEM TESTING WVDEP 220	002 - REIC Consultants, Inc. WVDEP 060
003 - Sturm Environmental	004 - MICROBAC PITTSBURGH
005 - ES LABORATORIES	006 - ALCOSAN LABORATORIES
007 - ALS LABORATORIES	008 - BENCHMARK LABORATORIES
010 - MICROBAC CHICAGOLAND	AC - AMBER R. CARMICHAEL
ACG - ALEX C. GEDON	ADC - ANTHONY D. CANTER
ADG - APRIL D. GREENE	ADW - ALICIA D. WALKER
ALS - ADRIANE L. STEED	APH - ANDREW P. HOUT
ARJ - Autumn R. Jones	AT - Asa R. Timmons
ATK - ALEX T. KLINTWORTH	AWE - ANDREW W. ESSIG
AZH - AFTER HOURS	BLG - BRENDA L. GREENWALT
BRG - BRENDA R. GREGORY	CAS - Craig A. Smith
CB - Claire A. Berlin	CEB - CHAD E. BARNES
CLC - CHRYS L. CRAWFORD	COR - Corporate IT
CPD - CHAD P. DAVIS	CSH - CHRIS S. HILL
DEA - Danielle E. Arick	DIH - DEANNA I. HESSON
DLB - DAVID L. BUMGARNER	DLP - DOROTHY L. PAYNE
DSM - DAVID S. MOSSOR	ECL - ERIC C. LAWSON
EEA - EMILY E. ALLEN	EGS - EMILY G. SHILLING
EPT - ETHAN P. TIDD	ERP - ERIN R. PORTER
JAO - Jeff A. Ogle	JDH - JUSTIN D. HESSON
JDS - JARED D. SMITH	JKP - JACQUELINE K. PARSONS
JLR - JIMMY L. RUSH	JRH - Justin R. Hill
JST - JOSHUA S. TAYLOR	JTP - JOSHUA T. PEMBERTON
JWR - JOHN W. RICHARDS	JYH - JI Y. HU
KAK - KATHY A. KIRBY	KEB - KATIE E. BARNES
KEH - Katelyn E. Hoover	KFR - KARISSA F. REYNOLDS
KHR - KIM H. RHODES	KKB - KERRI K. BUCK
KMC - KAYLA M. CHEVALIER	KMG - KALEN M. GANDOR
KRA - KATHY R. ALBERTSON	KRP - KATHY R. PARSONS
KWD - Kurtis W. Decker	LLS - LARRY L. STEPHENS
LMG - Larry M. Gwinn	LSJ - LAURA S. JONES
MAP - MARLA A. PORTER	MES - MARY E. SCHILLING
MGH - Matthew G. Hackathorn	MMB - MAREN M. BEERY
MRT - MICHELLE R. TAYLOR	PDM - PIERCE D. MORRIS
PIT - MICROBAC WARRENDALE	RLB - BOB BUCHANAN
RLD - Rachal L. Depuy	RNM - Rene N. Miller
RNP - RICK N. PETTY	SAV - SARAH A. VANDENBERG
SCB - SARAH C. BOGOLIN	SDM - Stephanie D. Murphy
SLM - STEPHANIE L. MOSSBURG	SWB - Samuel W. Bidwell
TB - TODD BOYLE	TMM - TAMMY M. MORRIS
VC - VICKI COLLIER	XXX - UNAVAILABLE OR SUBCONTRACT
ZTB - ZACH T. BARNES	ZTL - ZACH T. LUCAS

<u>Qualifier</u>	<u>Description</u>
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	Analyte present in method blank
B1	Target analyte detected in method blank at or above the method reporting limit
B3	Target analyte detected in calibration blank at or above the method reporting limit
B4	The BOD unseeded dilution water blank exceeded 0.2 mg/L
C	Confirmed by GC/MS
CG	Confluent growth
CT1	The cooler temperature at receipt exceeded regulatory guidance.
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
F, S	Estimated result below quantitation limit; method of standard additions(MSA)
FL	Free Liquid
FP1	Did not ignite.
H1	Sample analysis performed past holding time.
I	Semiquantitative result (out of instrument calibration range)
J	The analyte was positively identified, but the quantitation was below the RL
J,B	Analyte detected in both the method blank and sample above the MDL.
J,CT1	Estimated. The cooler temperature at receipt exceeded the regulatory guidance.
J,H1	The analyte was positively identified, but the quantitation was below the RL. Sample analysis performed past holding time
J,P	Estimate; columns don't agree to within 40%
J,S	Estimated concentration; analyzed by method of standard addition (MSA)
L	Sample reporting limits elevated due to matrix interference
L1	The associated blank spike (LCS) recovery was above the laboratory acceptance limits.
L2	The associated blank spike (LCS) recovery was below the laboratory acceptance limits.
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Tentatively identified compound(TIC)
NA	Not applicable
ND, S	Not detected; analyzed by method of standard addition (MSA)
ND,L	Not detected; sample reporting limit (RL) elevated due to interference
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria failed. See narrative.
QNS	Quantity of sample not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition (MSA)
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Not detected at or above adjusted sample detection limit
U,CT1	Not detected. The cooler temperature at receipt exceeded regulatory guidance.
U,H1	Not detected; sample analysis performed past holding time.
UJ	Undetected; the MDL and RL are estimated due to quality control discrepancies.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
X, S	Exceeds regulatory limit; method of standard additions (MSA)
Y	This analyte is not on the laboratory's current scope of accreditation.
Z	Cannot be resolved from isomer - see below





**SUBCONTRACT OR  
S910353**

*Brenda Gregory*

**SENDING LABORATORY:**

Microbac Laboratories, Inc., Sayre Division  
2369 Elmira Street  
Sayre, PA 18840  
Phone: 570-888-0169  
Lab Manager: Renee Lantz  
Email: Results: PennNYlab@microbac.com

**RECEIVING LABORATORY:**

Microbac - OVD  
158 Starlite Drive  
Marietta, OH 45750  
Phone: (740) 373-4071

Invoices: PennNYinvoice@microbac.com

**Project Info:**

Project Name: PFOA/PFOS Testing  
Project No: PFOA/PFOS Testing

Client: Watkins Glen, Village of  
Project Type: ENV-Drinking Water  
Project Location: New York

Report TAT: 7  
Due: 10/11/2019 17:00

**Sample ID: S910353-01**

**Matrix: Drinking Water**

NY PWSID:  
Point:  
Point No:

**Sampled: 10/02/2019 07:45**

**Sampler: MP- Client**

Sample Descript.: Sample Point: Entry Point  
Type:  
Frequency:

Analysis	Method	Analysis Due	Expires	Network \$
<b>537 Alkyl Acids</b>	<b>EPA 537 Rev. 1.1</b>	<b>10/11/2019 08:00</b>	<b>10/16/2019 07:45</b>	<b>\$ 264.00</b>
Perfluorobutane sulfonate (PFBS)	0.09 ug/L	Perfluorobutyric acid (PFBA)	ug/L	
Perfluorodecanoic acid (PFDA)	ug/L	Perfluorododecanoic acid (PFDOA)	ug/L	
Perfluoroheptanoic acid (PFHPA)	0.01 ug/L	Perfluorohexane sulfonate (PFHXS)	0.03 ug/L	
Perfluorohexanoic acid (PFHXA)	ug/L	Perfluorononanoic acid (PFNA)	0.02 ug/L	
Perfluorooctane sulfonate (PFOS)	0.04 ug/L	Perfluorooctanoic acid (PFOA)	0.02 ug/L	
Perfluoropentanoic acid (PFPEA)	ug/L	Perfluorotetradecanoic acid (PFTDA)	ug/L	
Perfluoroundecanoic acid (PFUDA)	ug/L			

**Sample ID: S910353-02**

**Matrix: Drinking Water**

NY PWSID:  
Point:  
Point No:

**Sampled: 10/02/2019 07:45**

**Sampler: MP- Client**

Sample Descript.: Field Reagent Blank  
Type:  
Frequency:

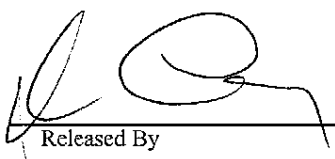
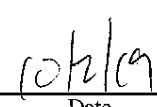
Analysis	Method	Analysis Due	Expires	Network \$
<b>537 Alkyl Acids</b>	<b>EPA 537 Rev. 1.1</b>	<b>10/11/2019 08:00</b>	<b>10/16/2019 07:45</b>	<b>\$ 264.00</b>
Perfluorobutane sulfonate (PFBS)	0.09 ug/L	Perfluorobutyric acid (PFBA)	ug/L	
Perfluorodecanoic acid (PFDA)	ug/L	Perfluorododecanoic acid (PFDOA)	ug/L	
Perfluoroheptanoic acid (PFHPA)	0.01 ug/L	Perfluorohexane sulfonate (PFHXS)	0.03 ug/L	
Perfluorohexanoic acid (PFHXA)	ug/L	Perfluorononanoic acid (PFNA)	0.02 ug/L	
Perfluorooctane sulfonate (PFOS)	0.04 ug/L	Perfluorooctanoic acid (PFOA)	0.02 ug/L	
Perfluoropentanoic acid (PFPEA)	ug/L	Perfluorotetradecanoic acid (PFTDA)	ug/L	
Perfluoroundecanoic acid (PFUDA)	ug/L			



SUBCONTRACT ORDER  
S9I0353

10/11/19

10/11/19

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

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

Cooler ID 8856

SAMPLE ID	Bottle 1 °C	Bottle 2 °C	Bottle 3 °C	Bottle 4 °C	Bottle 5 °C	Bottle 6 °C

*B29 10-3-19*

pH Lot # N/A

pH Exceptions

SAMPLE ID	Bottle 1	Bottle 2	Bottle 3	Bottle 4	Bottle 5	Bottle 6

**PRESERVATIVE EXCEPTIONS**

NONE

**AS NOTED**

B29 10-3-19

Document Control # 1957  
Last 10-07-2016

Issued to: Document Master File

## NELAP Addendum - January 3, 2019

### Non-NELAP LIMS Product and Description

The following is a list of those tests that are not included in the Microbac – OVD NELAP Scope of Accreditation:

Heat of Combustion (BTU)  
Total Halide by Bomb Combustion (TX)  
Particle Sizing - 200 Mesh (PS200)  
Specific Gravity/Density (SPGRAV)  
Total Residual Chlorine (CL-TRL)  
Total Volatile Solids (all forms) (TVS)  
Total Coliform Bacteria (all methods)  
Fecal Coliform Bacteria (all methods)  
Sulfite (SO3)  
Propionaldehyde (HPLC-UV)

#### **SOLID AND HAZARDOUS CHEMICALS**

Nitrogen, Ammonia by Method 350.1  
Chromium, Hexavalent, Leachable by SM3500 Cr-B 2009  
Phenolics, Total by Method 420.1  
ASTM D3987-06

### NELAP Accreditation by Laboratory SOP

#### **NONPOTABLE WATER**

##### OVD HPLC02/HPLC-UV

Nitroglycerin  
Acetic acid  
Butyric acid  
Lactic acid  
Propionic acid  
Pyruvic acid

##### OVD MSS01/GC-MS

1,4-Phenylenediamine  
1-Methylnaphthalene  
1,4-Dioxane  
Atrazine  
Benzaldehyde  
Biphenyl  
Caprolactam  
Hexamethylphosphoramide (HMPA)  
Pentachlorobenzene  
Pentachloroethane

#### **NELAP Accreditation by Laboratory SOP**

## **NONPOTABLE WATER**

### OVD MSV01/GC-MS

1, 1, 2-Trichloro-1,2,2-trifluoroethane  
1,3-Butadiene  
Cyclohexane  
Cyclohexanone  
Dimethyl disulfide  
Dimethylsulfide  
Ethyl-t-butylether (ETBE)  
Isoprene  
Methylacetate  
Methylcyclohexane  
T-amylmethylether (TAME)  
Tetrahydrofuran (THF)

### OVD HPLC07/HPLC-MS-MS

Hexamethylphosphoramide (XMPA-LCMS)

### OVD HPLC12/HPLC/UV

Acetate  
Formate

### OVD RSK01/GC-FID

Acetylene  
Propane

### OVD K9305/ISE

Fluoroborate

## **NELAP Accreditation by Laboratory SOP**

### **SOLID AND HAZARDOUS CHEMICALS**

#### OVD MSS01/GC-MS

1-Methylnaphthalene  
Benzaldehyde  
Biphenyl  
Caprolactam  
Pentachloroethane

## **NELAP Accreditation by Laboratory SOP**



## SOLID AND HAZARDOUS CHEMICALS

### OVD MSV01/GC-MS

1.3-Butadiene  
Cyclohexane  
Cyclohexanone  
Dimethyl disulfide  
Dimethylsulfide  
Ethyl-t-butylether (ETBE)  
Isoprene  
Methylacetate  
Methylcyclohexane  
n-Hexane  
T-amylmethylether (TAME)