



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S5H0498

Project Description

Big Flats

For:

Antony P Stager

**Horseheads Central School District**

143 Hibbard Road

Horseheads, NY 14845

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Project Manager

Joseph Palanza

Tuesday, August 26, 2025

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac Laboratories, Inc., Sayre Division. If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed above.

I certify that all test results meet all of the requirements of the accrediting authority listed within this report. Analytical results are reported on a 'as received' basis unless specified otherwise. Analytical results for solids with units ending in (dry) are reported on a dry weight basis. 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.

Microbac Laboratories, Inc.

2310 Elmira Street | Sayre, PA 18840 | 570-888-0169 p | [www.microbac.com](http://www.microbac.com)



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S5H0498

Horseheads Central School District

Project Name: Big Flats

Antony P Stager  
143 Hibbard Road  
Horseheads, NY 14845

Project / PO Number: N/A  
Received: 08/12/2025  
Reported: 08/26/2025

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>
306	S5H0498-01	Drinking Water	Grab		08/14/25 06:09	08/12/25 12:45
311	S5H0498-02	Drinking Water	Grab		08/14/25 06:15	08/12/25 12:45
308	S5H0498-03	Drinking Water	Grab		08/14/25 06:11	08/12/25 12:45
310	S5H0498-04	Drinking Water	Grab		08/14/25 06:13	08/12/25 12:45
301	S5H0498-05	Drinking Water	Grab		08/14/25 06:01	08/12/25 12:45
302	S5H0498-06	Drinking Water	Grab		08/14/25 06:03	08/12/25 12:45
305	S5H0498-07	Drinking Water	Grab		08/14/25 06:07	08/12/25 12:45
304	S5H0498-08	Drinking Water	Grab		08/14/25 06:05	08/12/25 12:45
204	S5H0498-09	Drinking Water	Grab		08/14/25 06:25	08/12/25 12:45
207	S5H0498-10	Drinking Water	Grab		08/14/25 06:26	08/12/25 12:45
209CF	S5H0498-11	Drinking Water	Grab		08/14/25 06:28	08/12/25 12:45
210	S5H0498-12	Drinking Water	Grab		08/14/25 06:30	08/12/25 12:45
CON F	S5H0498-13	Drinking Water	Grab		08/14/25 06:18	08/12/25 12:45
NUR 2	S5H0498-14	Drinking Water	Grab		08/14/25 06:20	08/12/25 12:45
103	S5H0498-15	Drinking Water	Grab		08/14/25 06:22	08/12/25 12:45



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S5H0498

Analytical Testing Parameters

Client Sample ID: 306  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-01  
Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:09

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.00500 AL	0.000400	mg/L		08/19/25 1648	08/20/25 1350	JXY

Client Sample ID: 311  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-02  
Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:15

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.00500 AL	0.000400	mg/L		08/19/25 1648	08/20/25 1356	JXY

Client Sample ID: 308  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-03  
Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:11

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.00500 AL	0.000400	mg/L		08/19/25 1648	08/20/25 1403	JXY

Client Sample ID: 310  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-04  
Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:13

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.00500 AL	0.000400	mg/L		08/19/25 1648	08/20/25 1404	JXY



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S5H0498

Client Sample ID: 301  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-05

Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:01

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.0203	0.00500 AL	0.000400	mg/L		08/19/25 1648	08/20/25 1406	JXY

Client Sample ID: 302  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-06

Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:03

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.00500 AL	0.000400	mg/L		08/19/25 1650	08/20/25 1512	JXY

Client Sample ID: 305  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-07

Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:07

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.000423	0.00500 AL	0.000400	mg/L		08/19/25 1650	08/20/25 1514	JXY

Client Sample ID: 304  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-08

Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:05

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.00500 AL	0.000400	mg/L		08/19/25 1650	08/20/25 1516	JXY



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S5H0498

Client Sample ID: 204  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-09

Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:25

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.00500 AL	0.000400	mg/L		08/19/25 1650	08/20/25 1517	JXY

Client Sample ID: 207  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-10

Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:26

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.00500 AL	0.000400	mg/L		08/19/25 1650	08/20/25 1519	JXY

Client Sample ID: 209CF  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-11

Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:28

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.00500 AL	0.000400	mg/L		08/19/25 1650	08/20/25 1521	JXY

Client Sample ID: 210  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-12

Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:30

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.00500 AL	0.000400	mg/L		08/19/25 1650	08/20/25 1522	JXY



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S5H0498

Client Sample ID: CON F  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-13

Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:18

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.0112	0.00500 AL	0.000400	mg/L		08/19/25 1650	08/20/25 1524	JXY

Client Sample ID: NUR 2  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-14

Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:20

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.000795	0.00500 AL	0.000400	mg/L		08/19/25 1650	08/20/25 1526	JXY

Client Sample ID: 103  
Sample Matrix: Drinking Water  
Lab Sample ID: S5H0498-15

Collected By: Antony P Stager  
Collection Date: 08/14/2025 6:22

Analyses Performed by: Microbac Laboratories, Inc., Pittston Division

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.00500 AL	0.000400	mg/L		08/19/25 1650	08/20/25 1535	JXY

Results in **bold** have exceeded a limit defined for this project. Limits are provided for reference but as regulatory limits change frequently, Microbac Laboratories, Inc. advises the recipient of this report to confirm such limits and units of concentration with the appropriate Federal, state or local authorities before acting on the data.

Definitions

AL: US EPA Action Level  
mg/L: Milligrams per Liter  
RL: Reporting Limit  
SMCL: US EPA Secondary Maximum Contaminant Level

Cooler Receipt Log

Cooler ID: Default Cooler Temp: °C



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

S5H0498

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. **The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.**

Reviewed and Approved By:

Joseph Palanza

Project Manager

Reported: 08/26/2025 23:58



# CHAIN OF CUSTODY RECORD

Number  
Instructions on back

TO BE COMPLETED BY INITIAL RECEIVING MICROBAC:

Temperature Upon Receipt (°C):

Thermometer ID:

Receiving Lab: CRT HBG PTN SAY

Holding Time:

Samples Received on Ice? Yes No N/A

Custody Seals Intact? Yes No N/A

## Turnaround Time

☒ Routine (7-10 bus. days)

☐ RUSH\* (notify lab)

## Report Type

☒ Results Only

☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4

☐ EDD

PO No.: 25-02362 Compliance Monitoring? ☒ Yes ☐ No  
If Yes: Agency/Program: NYS DO

Sampler Telephone No.:

Sampler Signature: *A. Stager*

Location: BIG FLATS

Send Invoice via: ☐ Mail ☐ Fax ☒ E-mail

## Invoice Address

Client Name:

Address:

City, State, Zip:

Contact:

Telephone No.:

Invoice Email:

Send Report via: ☐ Mail ☐ Fax ☒ E-mail

Project: 2025 COMPLIANCE

Sampled by (PRINT): ANTONY P. STAGER

\* Matrix Types: Drinking Water (DW), Groundwater (GW), Surface/Storm Water (SW), Wastewater (WW), Recreational Water (RC), Soil/Solid (S), Sludge (SL), Oil (O), Wipe (W), Other (specify)

\*\* Preservative Types: HNO3(1), H2SO4(2), HCl(3), NaOH(4), Sodium Thiosulfate(5), Ammonium Chloride(6), Ammonium Sulfate(7), EDA(8), Hexane(9), Methanol(10), Sodium Bisulfate(11), Sodium Sulfite(12), Zinc Acetate(13), Unpreserved (U), Other (specify)



Horseheads Central School District

PM: Joseph Palanza

## REQUESTED ANALYSIS

Lab ID	Client Sample ID	Date Collected	Time Collected	No. of Containers	Matrix *	Grab / Composite	Preservative **	Sample Disposition	Archive
	306	8/12/25	6:09	1	DW	Grab	1	LEAD IN DRINKING WATER	
	311	8/12/25	6:15	1	DW	Grab	1		
	308	8/12/25	6:11	1	DW	Grab	1		
	310	8/12/25	6:13	1	DW	Grab	1		
	301	8/12/25	6:01	1	DW	Grab	1		
	302	8/12/25	6:03	1	DW	Grab	1		

Possible Hazard Identification ☐ Hazardous ☐ Non-Hazardous ☒ Radioactive

Relinquished By (signature)

Received By (signature)

Received By (signature)

Date/Time

Received By (signature)

Date/Time

Comments:

Drinking water samples  
Lead in DW analysis  
Not preserved - to  
be preserved @ lab

Relinquished By (signature)

Received By (signature)

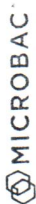
Date/Time

\*\*\* TO BE COMPLETED BY FINAL RECEIVING MICROBAC:  
Temperature Upon Receipt (°C):  
Thermometer ID:  
Receiving Lab: CRT PTN  
Samples Received on Ice? Yes No N/A

\*\*\* If Initial and Final Receiving Microbac are the same, check "Same as Above" in Final Receiving Box.

Page 1 of 3





3821 Buck Dr.  
Cortland, NY 13045  
607.753.3403 (CRT)

4359 Linglestown Rd.  
Harrisburg, PA 17112  
717.651.9700 (HBG)

428 Route 315 Hwy  
Pittston, PA 18640  
570.348.0775 (PTN)

2310 Elmira St.  
Sayre, PA 18840  
570.888.0169 (SAY)

## CHAIN OF CUSTODY RECORD

Number  
Instructions on back

### Lab Report Address

Client Name: **HORSEHEADS CSD**

Address: **507 FLETCHER ST**

City, State, Zip: **HORSEHEADS NY 14845**

Contact: **TONY STAGER**

Telephone No.: **607-795-2592**

Report Email: **astager@gstbores.org**

Send Report via: ☐ Mail ☐ Fax ☒ E-mail

### Invoice Address

Client Name:

Address:

City, State, Zip:

Contact:

Telephone No.:

Invoice Email:

Send Invoice via: ☐ Mail ☐ Fax ☒ E-mail

Location:

**BIG FLATS**

PO No.:

**25-02362**

Compliance Monitoring? ☒ Yes ☐ No  
If Yes: Agency/Program: **NYS DOH**

Sampled by (PRINT): **ANTONY P. STAGER**

Sampler Signature: *Antony P. Stager*

Sampler Telephone No.:

\* Matrix Types: Drinking Water (DW), Groundwater (GW), Surface/Storm Water (SW), Wastewater (WW), Recreational Water (RC), Soil/Solid (S), Sludge (SL), Oil (O), Wipe (W), Other (specify)  
\*\* Preservative Types: HNO<sub>3</sub>(1), H<sub>2</sub>SO<sub>4</sub>(2), HCl(3), NaOH(4), Sodium Thiosulfate(5), Ammonium Chloride(6), Ammonium Sulfate(7), EDA(8), Hexane(9), Methanol(10), Sodium Bisulfate(11), Sodium Sulfite(12), Zinc Acetate(13), Unpreserved (U), Other (specify)

Lab ID	Client Sample ID	Date Collected	Time Collected	No. of Containers	Matrix *	Grab / Composite	Preservative **	LEAD IN DRINKING WATER	REQUESTED ANALYSIS	Additi
	305	8/13/25	607	1	DW	Grab	1	X		
	304	8/12/25	605	1	DW	Grab	1	X		
	204	8/12/25	624	1	DW	Grab	1	X		
	207	8/12/25	626	1	DW	Grab	1	X		
	209 CF	8/12/25	628	1	DW	Grab	1	X		
	210	8/12/25	630	1	DW	Grab	1	X		

Possible Hazard Identification ☐ Hazardous ☐ Non-Hazardous ☐ Radioactive

Relinquished By (signature)

*Antony P. Stager*

Date/Time

8/12/25 1244

Received By (signature)

*Joseph Palanza*

Date/Time

8/12/25 1244

Date/Time

8/12/25 1244

### Comments:

Drinking water samples  
Lead in DW analysis  
Not preserved - to  
be preserved @ lab

Relinquished By (signature)

Date/Time

Received By (signature)

Date/Time

Date/Time

\*\*\* TO BE COMPLETED BY FINAL RECEIVING MICROBAC:  
Temperature Upon Receipt (°C):  
Thermometer ID: CRT PTN  
Samples Received on Ice? Yes No N/A

\*\*\* If Initial and Final Receiving Microbac are the same, check "Same as Above" in Final Receiving Box.



# CHAIN OF CUSTODY RECORD

Number Instructions on back

2310 Elmira St.  
Sayre, PA 18840

428 Route 315 Hwy  
Pittston, PA 18640

3821 Buck Dr.  
Cortland, NY 13045

607.753.3403 (CRT)



TO BE COMPLETED BY INITIAL RECEIVING MICROBAC:

Turnaround Time

Temperature Upon Receipt (°C):  
Thermometer ID:

☒ Routine (7-10 bus. days)  
☐ RUSH\* (notify lab)

Receiving Lab: CRT HBG PTN SAY  
Holding Time:  
Samples Received on Ice? Yes No N/A  
Custody Seals Intact? Yes No N/A

Report Type

☒ Results Only

☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4

☐ EDD

Compliance Monitoring? ☒ Yes ☐ No  
If Yes: Agency/Program: NYSDOH

Sampler Telephone No.:

Send Invoice via: ☐ Mail ☐ Fax ☒ E-mail

Location: BIG FLATS

Sampler Signature: A. P. Stager

Sampled by (PRINT): ANTONY P. STAGER

\* Matrix Types: Drinking Water (DW), Groundwater (GW), Surface/Storm Water (SW), Wastewater (WW), Recreational Water (RC), Soil/Solid (S), Sludge (SL), Oil (O), Wipe (W), Other (specify)  
\*\* Preservative Types: HNO3(1), H2SO4(2), HCl(3), NaOH(4), Sodium Thiosulfate(5), Ammonium Chloride(6), Ammonium Sulfate(7), EDA(8), Hexane(9), Methanol(10), Sodium Bisulfate(11), Sodium Sulfite(12), Zinc Acetate(13), Unpreserved (U), Other (specify)



Horseheads Central School District

PM: Joseph Palanza

Lab ID	Client Sample ID	Date Collected	Time Collected	No. of Containers	Matrix *	Grab / Composite	Preservative **	Sample Disposition	Requested Analysis	Addit
	CON F	8/12/25	6:18	1	DW	Grab	1	<input checked="" type="checkbox"/> Disposal as appropriate <input type="checkbox"/> Return <input type="checkbox"/> Archive	LEAD IN DRINKING WATER	
	NUR 2	8/12/25	6:20	1	DW	Grab	1			
	103	8/12/25	6:22	1	DW	Grab	1			
		8/12/25		1	DW	Grab	1			
		8/12/25		1	DW	Grab	1			
		8/12/25		1	DW	Grab	1			
		8/12/25		1	DW	Grab	1			

Date/Time: 8/12/25 12:44  
Received By (signature): [Signature]  
Received By (signature): [Signature]

Date/Time: 8/12/25 12:44  
Relinquished By (signature): [Signature]  
Relinquished By (signature): [Signature]

Date/Time: 8/12/25 12:44  
Relinquished By (signature): [Signature]  
Relinquished By (signature): [Signature]

Date/Time: 8/12/25 12:44  
Received By (signature): [Signature]

Date/Time: 8/12/25 12:44  
Relinquished By (signature): [Signature]

Date/Time: 8/12/25 12:44  
Relinquished By (signature): [Signature]

\*\*\* TO BE COMPLETED BY FINAL RECEIVING MICROBAC:

Temperature Upon Receipt (°C):

Thermometer ID:

Receiving Lab: CRT PTN

Samples Received on Ice? Yes No N/A

\*\*\* If Initial and Final Receiving Microbac are the same, check "Same as Above" in Final Receiving Box.

Drinking water samples  
Lead in DW analysis  
Not preserved - to  
be preserved @ lab