



October 16, 2023

Tony Stager  
Horseheads Central Schools  
507 Fletcher Street  
Horseheads, NY 14845

RE: Project: BIG FLATS ELEM 10/5  
Pace Project No.: 70273572

Dear Tony Stager:

Enclosed are the analytical results for sample(s) received by the laboratory on October 10, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Daniel H. Bonitto".

Daniel H. Bonitto  
daniel.bonitto@pacelabs.com  
516-370-6000  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

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### **Pace Analytical Services Long Island**

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Virginia Certification # 460302

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## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

Sample: BF F4A		Lab ID: 70273572001	Collected: 10/05/23 16:48	Received: 10/10/23 10:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<b>28.7</b>	ug/L	1.0	1		10/13/23 16:41	7439-92-1	

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### ANALYTICAL RESULTS

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

Sample: BF F4B		Lab ID: 70273572002	Collected: 10/05/23 16:49	Received: 10/10/23 10:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<b>2.3</b>	ug/L	1.0	1		10/13/23 16:43	7439-92-1	

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### ANALYTICAL RESULTS

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

Sample: BF F3A		Lab ID: 70273572003	Collected: 10/05/23 16:52	Received: 10/10/23 10:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<b>28.7</b>	ug/L	1.0	1		10/13/23 16:48	7439-92-1	

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### ANALYTICAL RESULTS

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

Sample: BF F3B		Lab ID: 70273572004	Collected: 10/05/23 16:53	Received: 10/10/23 10:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	1.3	ug/L	1.0	1		10/13/23 16:55	7439-92-1	

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### ANALYTICAL RESULTS

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

Sample: BF F2A		Lab ID: 70273572005	Collected: 10/05/23 16:55	Received: 10/10/23 10:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<b>6.7</b>	ug/L	1.0	1		10/13/23 16:57	7439-92-1	

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### ANALYTICAL RESULTS

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

Sample: BF F2B		Lab ID: 70273572006	Collected: 10/05/23 16:56	Received: 10/10/23 10:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<b>3.2</b>	ug/L	1.0	1		10/13/23 16:58	7439-92-1	

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### ANALYTICAL RESULTS

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

Sample: BF F1A		Lab ID: 70273572007	Collected: 10/05/23 17:02	Received: 10/10/23 10:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<b>3.4</b>	ug/L	1.0	1		10/13/23 17:00	7439-92-1	

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### ANALYTICAL RESULTS

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

Sample: BF F1B		Lab ID: 70273572008	Collected: 10/05/23 17:03	Received: 10/10/23 10:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<1.0	ug/L	1.0	1		10/13/23 17:01	7439-92-1	

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### ANALYTICAL RESULTS

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

Sample: BOT-3		Lab ID: 70273572009	Collected: 10/05/23 17:06	Received: 10/10/23 10:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<1.0	ug/L	1.0	1		10/13/23 17:03	7439-92-1	

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### ANALYTICAL RESULTS

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

Sample: BOT-3F		Lab ID: 70273572010	Collected: 10/05/23 17:08	Received: 10/10/23 10:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.8 MET ICPMS Drinking Water</b>		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Lead	<1.0	ug/L	1.0	1		10/13/23 17:05	7439-92-1	

### REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

QC Batch:	323813	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET No Prep Drinking Water
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70273572001, 70273572002

METHOD BLANK: 1653342 Matrix: Water

Associated Lab Samples: 70273572001, 70273572002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	10/13/23 16:03	

LABORATORY CONTROL SAMPLE: 1653343

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	48.0	96	85-115	

MATRIX SPIKE SAMPLE: 1653345

Parameter	Units	70273383132 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	3.6	50	50.2	93	70-130	

MATRIX SPIKE SAMPLE: 1653347

Parameter	Units	70273383133 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	4.8	50	51.2	93	70-130	

SAMPLE DUPLICATE: 1653344

Parameter	Units	70273383132 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	3.6	3.5	1	

SAMPLE DUPLICATE: 1653346

Parameter	Units	70273383133 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	4.8	4.8	1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

QC Batch:	323814	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET No Prep Drinking Water
		Laboratory:	Pace Analytical Services - Melville
Associated Lab Samples:	70273572003, 70273572004, 70273572005, 70273572006, 70273572007, 70273572008, 70273572009, 70273572010		

METHOD BLANK:	1653348	Matrix:	Water
Associated Lab Samples:	70273572003, 70273572004, 70273572005, 70273572006, 70273572007, 70273572008, 70273572009, 70273572010		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	10/13/23 16:45	

LABORATORY CONTROL SAMPLE: 1653349						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	47.7	95	85-115	

MATRIX SPIKE SAMPLE: 1653351							
Parameter	Units	70273572003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	28.7	50	74.1	91	70-130	

SAMPLE DUPLICATE: 1653350					
Parameter	Units	70273572003 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	28.7	29.4	2	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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## QUALIFIERS

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BIG FLATS ELEM 10/5

Pace Project No.: 70273572

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70273572001	BF F4A	EPA 200.8	323813		
70273572002	BF F4B	EPA 200.8	323813		
70273572003	BF F3A	EPA 200.8	323814		
70273572004	BF F3B	EPA 200.8	323814		
70273572005	BF F2A	EPA 200.8	323814		
70273572006	BF F2B	EPA 200.8	323814		
70273572007	BF F1A	EPA 200.8	323814		
70273572008	BF F1B	EPA 200.8	323814		
70273572009	BOT-3	EPA 200.8	323814		
70273572010	BOT-3F	EPA 200.8	323814		

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### CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

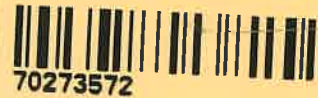
ENV-FRM-WILL-0124 - rev. 00 - 10.2.20

Reporting Type Key:

- E = Entry Point
- D = Distribution
- C = Check
- R = Raw
- M = Max Residence
- S = Special

LAB

# WO#: 70273572



70273572

Workorder Number or

Company: HORSEHEADS CSD  
 Address: 507 FLETCHER ST.  
HORSEHEADS NY 14845

Billing Information: HORSEHEADS CSD  
 Email Invoice to: astager@gstboces.org

Report To: Antony Stager  
 Phone: 607-795-2592

DEP Drinking Water Only:  
 PWSID#: \_\_\_\_\_  
 Type: Annual Monthly Quarterly  
 Monitoring Period: \_\_\_\_\_ to \_\_\_\_\_

Customer Project Name/Number:  
BIG FLATS ELEM.

Reporting Type (see key): E D C R M S A  
 Location Code: \_\_\_\_\_

Collected By (print): A.P. STAGER  
 Collected By (signature): A.P. Stager  
 Sample Disposal:  
 Dispose as appropriate [ ] Return  
 Archive: \_\_\_\_\_  
 Hold: \_\_\_\_\_

Site/Facility ID #: HORSEHEADS SCHOOLS  
 Purchase Order #: 2300268  
 Quote #: \_\_\_\_\_  
 Turnaround Needed:  
 Standard [ ] 5 Day [ ] 4 Day [ ] 3 Day  
 2 Day [ ] 1 Day [ ] Same Day  
 (Expedite Charges May Apply)

Immediately Packed on Ice:  
 Yes  No  
 Compliance Monitoring?  
 Yes  No  
 Field Filtered (if applicable):  
 Yes  No  
 Analysis: \_\_\_\_\_

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WT), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
BFF4A	DW	Grab	10/5/23	4:48				1
BFF4B	DW	Grab	10/5/23	4:49				1
BFF3A	DW	Grab	10/5/23	4:52				1
BFF3B	DW	Grab	10/5/23	4:53				1
BFF2A	DW	Grab	10/5/23	4:55				1
BFF2B	DW	Grab	10/5/23	4:56				1
BFF1A	DW	Grab	10/5/23	5:02				1
BFF1B	DW	Grab	10/5/23	5:03				1
BOT-3	DW	Grab	10/5/23	5:06				1
BOT-3F	DW	Grab	10/5/23	5:08				1

Container Preservative Type \*\*

\*\* Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

<b>LEAD IN DRINKING WATER</b>																			
-------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Lab Profile/Line:  
 Lab Sample Receipt Checklist:  
 Custody Seals Present/Intact Y N  NA  
 Custody Signatures Present Y N  NA  
 Collector Signature Present  N NA  
 Bottles Intact  N NA  
 Correct Bottles  N NA  
 Sufficient Volume  N NA  
 Samples Received on Ice  N NA  
 VOA - Headspace Acceptable Y N  NA  
 USDA Regulated Soils Y N  NA  
 Samples in Holding Time  N NA  
 Residual Chlorine Present Y N  NA  
 Cl Strips:  
 Sample pH Acceptable  N NA  
 pH Strips: HC208072  
 Sulfide Present Y N  NA  
 Lead Acetate Strips: \_\_\_\_\_  
 Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:  
BIG FLATS NY ELEMENTARY SCHOOL

Container pH (checked at sample receipt):  
 Type of Ice Used:  Wet  Blue  Dry  None  
 Packing Material Used:  Bubble Wrap  Packing Peanuts  
 Other: \_\_\_\_\_ None  
 Radchem sample(s) screened (<500 cpm): Y N  NA

SHORT HOLDS PRESENT (<72 hours): Y  N/A  
 Lab Tracking #: 6864 4167 2785  
 Samples received via:  
 FEDEX  UPS  Client  Courier  Pace Courier

LAB Sample Temperature Info:  
 Temp Blank Received: Y N  NA  
 Therm ID#: TH198  
 Cooler 1 Temp Upon Receipt: 33  
 Cooler 1 Therm Corr. Factor: 0.55  
 Cooler 1 Corrected Temp: 41.05  
 Comments:

Relinquished by/Company: (Signature) \_\_\_\_\_  
 Relinquished by/Company: (Signature) \_\_\_\_\_  
 Relinquished by/Company: (Signature) \_\_\_\_\_

Date/Time: \_\_\_\_\_  
 Received by/Company: (Signature) \_\_\_\_\_  
 Received by/Company: (Signature) \_\_\_\_\_  
 Received by/Company: (Signature) \_\_\_\_\_

Date/Time: 10-6-23  
 Date/Time: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Table #:  
 Acctnum:  
 Template:  
 Prelogin:  
 PM:  
 PB:

Trip Blank Received: Y N  NA  
 HCL MeOH TSP Other  
 Non Conformance(s): YES  NO  
 Page: 1 of: 1