



February 19, 2024

Jarrett Butchino  
Citi Boces Hannibal Central Shool District  
928 Cayuga Street  
Hannibal, NY 13074

RE: Project: LEADS-HANNIBAL CSD 2/8  
Pace Project No.: 70287040

Dear Jarrett Butchino:

Enclosed are the analytical results for sample(s) received by the laboratory on February 12, 2024. 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,

Matthew T. Nemeth  
matthew.nemeth@pacelabs.com  
516-370-6042  
Project Manager

Enclosures

cc: Nancy Henner, Hannibal CSD



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

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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: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-1		Lab ID: 70287040001	Collected: 02/08/24 04:00	Received: 02/12/24 09:29	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		02/15/24 15:27	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-2		Lab ID: 70287040002	Collected: 02/08/24 04:02	Received: 02/12/24 09:29	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>2.4</b>	ug/L	1.0	1		02/15/24 15:30	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-3		Lab ID: 70287040003	Collected: 02/08/24 04:03	Received: 02/12/24 09:29	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		02/15/24 15:34	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-4		Lab ID: 70287040004	Collected: 02/08/24 04:03	Received: 02/12/24 09:29	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		02/15/24 15:37	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-5		Lab ID: 70287040005	Collected: 02/08/24 04:05	Received: 02/12/24 09:29	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		02/15/24 15:44	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-6		Lab ID: 70287040006	Collected: 02/08/24 04:06	Received: 02/12/24 09:29	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		02/15/24 15:47	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-7		Lab ID: 70287040007	Collected: 02/08/24 04:09	Received: 02/12/24 09:29	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		02/15/24 15:58	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-8		Lab ID: 70287040008	Collected: 02/08/24 04:09	Received: 02/12/24 09:29	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		02/15/24 16:07	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-9		Lab ID: 70287040009	Collected: 02/08/24 04:12	Received: 02/12/24 09:29	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		02/15/24 16:08	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-10		Lab ID: 70287040010	Collected: 02/08/24 04:12	Received: 02/12/24 09:29	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		02/15/24 16:11	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-11		Lab ID: 70287040011	Collected: 02/08/24 04:14	Received: 02/12/24 09:29	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		02/15/24 16:21	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-12		Lab ID: 70287040012	Collected: 02/08/24 04:15	Received: 02/12/24 09:29	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		02/15/24 16:24	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-13		Lab ID: 70287040013	Collected: 02/08/24 04:15	Received: 02/12/24 09:29	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		02/15/24 16:28	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-14		Lab ID: 70287040014	Collected: 02/08/24 04:17	Received: 02/12/24 09:29	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		02/15/24 16:31	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-15		Lab ID: 70287040015	Collected: 02/08/24 04:17	Received: 02/12/24 09:29	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		02/16/24 10:32	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-16		Lab ID: 70287040016	Collected: 02/08/24 04:18	Received: 02/12/24 09:29	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		02/16/24 10:43	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-17		Lab ID: 70287040017	Collected: 02/08/24 04:18	Received: 02/12/24 09:29	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		02/16/24 10:46	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-18		Lab ID: 70287040018	Collected: 02/08/24 04:20	Received: 02/12/24 09:29	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		02/16/24 10:49	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-19		Lab ID: 70287040019	Collected: 02/08/24 04:20	Received: 02/12/24 09:29	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		02/16/24 10:52	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-20		Lab ID: 70287040020	Collected: 02/08/24 04:22	Received: 02/12/24 09:29	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		02/16/24 10:53	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-21		Lab ID: 70287040021	Collected: 02/08/24 04:23	Received: 02/12/24 09:29	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		02/16/24 10:55	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-22		Lab ID: 70287040022	Collected: 02/08/24 04:26	Received: 02/12/24 09:29	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>8.3</b>	ug/L	1.0	1		02/16/24 10:59	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-23		Lab ID: 70287040023	Collected: 02/08/24 04:28	Received: 02/12/24 09:29	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		02/16/24 11:01	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-24		Lab ID: 70287040024	Collected: 02/08/24 04:28	Received: 02/12/24 09:29	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		02/16/24 11:02	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-25		Lab ID: 70287040025	Collected: 02/08/24 04:29	Received: 02/12/24 09:29	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		02/16/24 11:04	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-26		Lab ID: 70287040026	Collected: 02/08/24 04:32	Received: 02/12/24 09:29	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		02/16/24 12:14	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-27		Lab ID: 70287040027	Collected: 02/08/24 04:33	Received: 02/12/24 09:29	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		02/16/24 12:18	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-28		Lab ID: 70287040028	Collected: 02/08/24 04:33	Received: 02/12/24 09:29	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		02/16/24 12:21	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-29		Lab ID: 70287040029	Collected: 02/08/24 04:37	Received: 02/12/24 09:29	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>2.0</b>	ug/L	1.0	1		02/16/24 12:25	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: HS-30</b>								
<b>Lab ID: 70287040030</b>								
Collected: 02/08/24 04:41								
Received: 02/12/24 09:29								
Matrix: Drinking Water								
<b>200.8 MET ICPMS Drinking Water</b>								
Analytical Method: EPA 200.8								
Pace Analytical Services - Melville								
Lead	<b>86.1</b>	ug/L	1.0	1		02/16/24 12:31	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-31		Lab ID: 70287040031	Collected: 02/08/24 04:42	Received: 02/12/24 09:29	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	1.2	ug/L	1.0	1		02/16/24 12:36	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-32		Lab ID: 70287040032	Collected: 02/08/24 04:46	Received: 02/12/24 09:29	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		02/16/24 12:40	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-33		Lab ID: 70287040033	Collected: 02/08/24 04:46	Received: 02/12/24 09:29	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		02/16/24 12:42	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-34		Lab ID: 70287040034	Collected: 02/08/24 04:48	Received: 02/12/24 09:29	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		02/16/24 12:54	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-35		Lab ID: 70287040035	Collected: 02/08/24 04:49	Received: 02/12/24 09:29	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		02/16/24 12:58	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-36		Lab ID: 70287040036	Collected: 02/08/24 04:49	Received: 02/12/24 09:29	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		02/16/24 13:00	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-37		Lab ID: 70287040037	Collected: 02/08/24 04:51	Received: 02/12/24 09:29	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		02/16/24 13:06	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-38		Lab ID: 70287040038	Collected: 02/08/24 04:51	Received: 02/12/24 09:29	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		02/16/24 13:09	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-39		Lab ID: 70287040039	Collected: 02/08/24 04:52	Received: 02/12/24 09:29	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		02/16/24 13:13	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-40		Lab ID: 70287040040	Collected: 02/08/24 07:10	Received: 02/12/24 09:29	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		02/16/24 13:18	7439-92-1	

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### ANALYTICAL RESULTS

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Sample: HS-41		Lab ID: 70287040041	Collected: 02/08/24 07:10	Received: 02/12/24 09:29	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		02/16/24 13:26	7439-92-1	

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QUALITY CONTROL DATA

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

QC Batch: 337488 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: 70287040001, 70287040002, 70287040003, 70287040004, 70287040005, 70287040006

METHOD BLANK: 1735510 Matrix: Water
Associated Lab Samples: 70287040001, 70287040002, 70287040003, 70287040004, 70287040005, 70287040006

Table with 6 columns: Parameter, Units, Blank Result, Reporting Limit, Analyzed, Qualifiers. Row for Lead shows result <1.0, limit 1.0, analyzed 02/15/24 15:02.

LABORATORY CONTROL SAMPLE: 1735511

Table with 7 columns: Parameter, Units, Spike Conc., LCS Result, LCS % Rec, % Rec Limits, Qualifiers. Row for Lead shows spike 50, LCS 51.6, % Rec 103, limits 85-115.

MATRIX SPIKE SAMPLE: 1735513

Table with 8 columns: Parameter, Units, 70287038113 Result, Spike Conc., MS Result, MS % Rec, % Rec Limits, Qualifiers. Row for Lead shows result <1.0, spike 50, MS 51.6, % Rec 103, limits 70-130.

MATRIX SPIKE SAMPLE: 1735515

Table with 8 columns: Parameter, Units, 70287038114 Result, Spike Conc., MS Result, MS % Rec, % Rec Limits, Qualifiers. Row for Lead shows result <1.0, spike 50, MS 47.7, % Rec 95, limits 70-130.

SAMPLE DUPLICATE: 1735512

Table with 6 columns: Parameter, Units, 70287038113 Result, Dup Result, RPD, Qualifiers. Row for Lead shows result <1.0, dup <1.0.

SAMPLE DUPLICATE: 1735514

Table with 6 columns: Parameter, Units, 70287038114 Result, Dup Result, RPD, Qualifiers. Row for Lead shows result <1.0, dup <1.0.

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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### QUALITY CONTROL DATA

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

QC Batch:	337489	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: 70287040007, 70287040008, 70287040009, 70287040010, 70287040011, 70287040012, 70287040013, 70287040014

METHOD BLANK:	1735516	Matrix:	Water
---------------	---------	---------	-------

Associated Lab Samples: 70287040007, 70287040008, 70287040009, 70287040010, 70287040011, 70287040012, 70287040013, 70287040014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	02/15/24 15:50	

LABORATORY CONTROL SAMPLE: 1735517						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	51.5	103	85-115	

MATRIX SPIKE SAMPLE: 1735519							
Parameter	Units	70287039009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	47.5	95	70-130	

MATRIX SPIKE SAMPLE: 1735521							
Parameter	Units	70287040007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	47.7	95	70-130	

SAMPLE DUPLICATE: 1735518					
Parameter	Units	70287039009 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1735520					
Parameter	Units	70287040007 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

QC Batch:	337675	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:	70287040015, 70287040016, 70287040017, 70287040018, 70287040019, 70287040020, 70287040021, 70287040022, 70287040023, 70287040024, 70287040025		

METHOD BLANK:	1736481	Matrix:	Water
Associated Lab Samples:	70287040015, 70287040016, 70287040017, 70287040018, 70287040019, 70287040020, 70287040021, 70287040022, 70287040023, 70287040024, 70287040025		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	02/16/24 10:23	

LABORATORY CONTROL SAMPLE: 1736482						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	49.5	99	85-115	

MATRIX SPIKE SAMPLE: 1736485							
Parameter	Units	70287039001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	1.7	50	49.4	95	70-130	

MATRIX SPIKE SAMPLE: 1736487							
Parameter	Units	70287040015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	49.2	98	70-130	

SAMPLE DUPLICATE: 1736484					
Parameter	Units	70287039001 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	1.7	1.7	2	

SAMPLE DUPLICATE: 1736486					
Parameter	Units	70287040015 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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### QUALITY CONTROL DATA

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

QC Batch:	337677	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:	70287040026, 70287040027, 70287040028, 70287040029, 70287040030, 70287040031, 70287040032, 70287040033		

METHOD BLANK:	1736494	Matrix:	Water
Associated Lab Samples:	70287040026, 70287040027, 70287040028, 70287040029, 70287040030, 70287040031, 70287040032, 70287040033		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	02/16/24 11:58	

LABORATORY CONTROL SAMPLE:		1736495				
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.1	100	85-115	

MATRIX SPIKE SAMPLE:		1736497					
Parameter	Units	70287039048 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	51.0	102	70-130	

MATRIX SPIKE SAMPLE:		1736499					
Parameter	Units	70287039049 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	48.4	95	70-130	

SAMPLE DUPLICATE:		1736496				
Parameter	Units	70287039048 Result	Dup Result	RPD	Qualifiers	
Lead	ug/L	<1.0	<1.0			

SAMPLE DUPLICATE:		1736498				
Parameter	Units	70287039049 Result	Dup Result	RPD	Qualifiers	
Lead	ug/L	<1.0	<1.0			

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QUALITY CONTROL DATA

Project: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

QC Batch:	337693	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:	70287040034, 70287040035, 70287040036, 70287040037, 70287040038, 70287040039, 70287040040, 70287040041		

METHOD BLANK:	1736549	Matrix:	Water
Associated Lab Samples:	70287040034, 70287040035, 70287040036, 70287040037, 70287040038, 70287040039, 70287040040, 70287040041		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	<1.0	1.0	02/16/24 12:43	

LABORATORY CONTROL SAMPLE: 1736550						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	50.6	101	85-115	

MATRIX SPIKE SAMPLE: 1736552							
Parameter	Units	70287039060 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	50.0	99	70-130	

MATRIX SPIKE SAMPLE: 1736554							
Parameter	Units	70287040034 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	<1.0	50	47.2	94	70-130	

SAMPLE DUPLICATE: 1736551					
Parameter	Units	70287039060 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

SAMPLE DUPLICATE: 1736553					
Parameter	Units	70287040034 Result	Dup Result	RPD	Qualifiers
Lead	ug/L	<1.0	<1.0		

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: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

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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: LEADS-HANNIBAL CSD 2/8

Pace Project No.: 70287040

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70287040001	HS-1	EPA 200.8	337488		
70287040002	HS-2	EPA 200.8	337488		
70287040003	HS-3	EPA 200.8	337488		
70287040004	HS-4	EPA 200.8	337488		
70287040005	HS-5	EPA 200.8	337488		
70287040006	HS-6	EPA 200.8	337488		
70287040007	HS-7	EPA 200.8	337489		
70287040008	HS-8	EPA 200.8	337489		
70287040009	HS-9	EPA 200.8	337489		
70287040010	HS-10	EPA 200.8	337489		
70287040011	HS-11	EPA 200.8	337489		
70287040012	HS-12	EPA 200.8	337489		
70287040013	HS-13	EPA 200.8	337489		
70287040014	HS-14	EPA 200.8	337489		
70287040015	HS-15	EPA 200.8	337675		
70287040016	HS-16	EPA 200.8	337675		
70287040017	HS-17	EPA 200.8	337675		
70287040018	HS-18	EPA 200.8	337675		
70287040019	HS-19	EPA 200.8	337675		
70287040020	HS-20	EPA 200.8	337675		
70287040021	HS-21	EPA 200.8	337675		
70287040022	HS-22	EPA 200.8	337675		
70287040023	HS-23	EPA 200.8	337675		
70287040024	HS-24	EPA 200.8	337675		
70287040025	HS-25	EPA 200.8	337675		
70287040026	HS-26	EPA 200.8	337677		
70287040027	HS-27	EPA 200.8	337677		
70287040028	HS-28	EPA 200.8	337677		
70287040029	HS-29	EPA 200.8	337677		
70287040030	HS-30	EPA 200.8	337677		
70287040031	HS-31	EPA 200.8	337677		
70287040032	HS-32	EPA 200.8	337677		
70287040033	HS-33	EPA 200.8	337677		
70287040034	HS-34	EPA 200.8	337693		
70287040035	HS-35	EPA 200.8	337693		
70287040036	HS-36	EPA 200.8	337693		
70287040037	HS-37	EPA 200.8	337693		
70287040038	HS-38	EPA 200.8	337693		
70287040039	HS-39	EPA 200.8	337693		
70287040040	HS-40	EPA 200.8	337693		
70287040041	HS-41	EPA 200.8	337693		

REPORT OF LABORATORY ANALYSIS

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**Pace**  
 Pace Analytical Long Island NY  
 575 Broad Hollow Rd, Melville, NY 11747

**CHAIN-OF-CUSTODY Analytical Request Document**  
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Workorder/Login Label Here  
**WO#: 70287040**



Company Name: Citi Boces Hannibal Central School District  
 Street Address: 928 Cayuga Street, Hannibal, NY 13074  
 Contact/Report To: Jarrett Butchino  
 Phone #: (315)564-8258  
 E-Mail: jbutchin@hannibalcsd.org  
 Cc E-Mail:

Customer Project #: LEADS - HANNIBAL CSD  
 Project Name: LEADS - HANNIBAL CSD  
 Invoice To: Nancy Henner  
 Invoice E-Mail: nhenner@hannibalcsd.org  
 Purchase Order # (if applicable):  
 Quote #:

Site Collection Info/Facility ID (as applicable):  
 County / State origin of sample(s): New York  
 Reportable [ ] Yes [ ] No

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET  
 Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV  
 [ ] EQUIS  
 [ ] Other  
 Rush (Pre-approval required):  
 [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other  
 Field Filtered (if applicable): [ ] Yes [ ] No  
 Analysis:  
 \* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Composite End		# Cont.	Res. Chlorine Results	Units	Preservation non-conformance identified for sample.
			Date	Time	Date	Time				
HS-1	DW	G	2-8-24	4am	2-8-24	4am				X
HS-2	DW	G	2-8-24	4:02AM	2-8-24	4:02AM				X
HS-3	DW	G	2-8-24	4:02AM	2-8-24	4:03AM				X
HS-4	DW	G	2-8-24	4:03AM	2-8-24	4:03AM				X
HS-5	DW	G	2-8-24	4:05AM	2-8-24	4:05AM				X
HS-6	DW	G	2-8-24	4:05AM	2-8-24	4:06AM				X
HS-7	DW	G	2-8-24	4:08AM	2-8-24	4:09AM				X
HS-8	DW	G	2-8-24	4:09AM	2-8-24	4:09AM				X
HS-9	DW	G	2-8-24	4:12AM	2-8-24	4:12AM				X
HS-10	DW	G	2-8-24	4:12AM	2-8-24	4:12AM				X

Additional Instructions from Pace\*:  
 Collected By: Jarrett Butchino  
 (Printed Name)  
 Signature: *Jarrett Butchino*

Thermometer ID: 2-bx  
 Correction Factor [C]: +0.4  
 Obs. Temp. [C]: 16.1  
 Corrected Temp. [C]: 16.5  
 On Ice:

Date/Time: 2/12/24 9:29  
 Tracking Number: 7028717456628

Relinquished by Company: (Signature)  
 Date/Time:  
 Relinquished by Company: (Signature)  
 Date/Time:  
 Relinquished by Company: (Signature)  
 Date/Time:  
 Relinquished by Company: (Signature)  
 Date/Time:

Delivered by: [ ] FedEx [ ] UPS [ ] Other  
 Courier

Page: 1 of 1



Scan QR Code for instructions

Specify Container Size \*\*  
 Identify Container Preservative Type\*\*\*  
 Analysis Requested

Proj. Mgr:  
**Matthew Nemeth**  
 AcctNum / Client ID:  
 Table #:  
 Profile / Template:  
**10545**  
 Prelog / Bottle Ord. ID:  
**EZ 3068074**  
 Sample Comment

Customer Sample ID	Matrix *	Comp / Grab	Composite Start	Time	Collected or Composite End	Date	Time	# Cont.	Res. Results	Chlorine Units
HS-11	Dw	G	2-8-24	4:14AM	2-8-24	4:14AM				
HS-12	Dw	G	2-8-24	4:14AM	2-8-24	4:15AM				
HS-13	Dw	G	2-8-24	4:15AM	2-8-24	4:54AM				
HS-14	Dw	G	2-8-24	4:17AM	2-8-24	4:17AM				
HS-15	Dw	G	2-8-24	4:17AM	2-8-24	4:17AM				
HS-16	Dw	G	2-8-24	4:18AM	2-8-24	4:18AM				
HS-17	Dw	G	2-8-24	4:18AM	2-8-24	4:18AM				
HS-18	Dw	G	2-8-24	4:20AM	2-8-24	4:20AM				
HS-19	Dw	G	2-8-24	4:20AM	2-8-24	4:20AM				
HS-20	Dw	G	2-8-24	4:20AM	2-8-24	4:20AM				

Customer Remarks / Special Conditions / Possible Hazards:  
 # Coolers: 2-bx  
 Thermometer ID: TH711  
 Correction Factor (°C): 16.1  
 Obs. Temp. (°C): 10.2  
 Corrected Temp. (°C): 16.5  
 On Ice:   
 Tracking Number: 21224 9:29  
 Date/Time: 2/12/24 9:29  
 Delivered by:  FedEx  UPS  Other  
 Page: 1 of 1

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Contact/Report To: Jarrett Butchino  
 Phone #: (315)564-8258  
 E-Mail: jbutchin@hannibalcsd.org  
 Cc E-Mail:

Invoice To: Nancy Henner  
 Invoice E-Mail: nhenner@hannibalcsd.org  
 Purchase Order # (if applicable):  
 Quote #:

County / State origin of sample(s): New York  
 Reportable  Yes  No

Rush (Pre-approval required):  
 Same Day  1 Day  2 Day  3 Day  Other

Date Results Requested:  
 Other

Field Filtered (if applicable):  Yes  No

Analysis:

DW PWSID # or WW Permit # as applicable:

Regulatory Program (DW, RCRA, etc.) as applicable:

Time Zone Collected:  AK  PT  MT  CT  ET

Data Deliverables:  
 Level II  Level III  Level IV

Site Collection Info/Facility ID (as applicable):

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Additional Instructions from Pace\*:

Collected By: Jarrett Butchino  
 (Printed Name)  
 Signature: *Jarrett Butchino*

Received by/Company: (Signature)  
 Received by/Company: (Signature)  
 Received by/Company: (Signature)  
 Received by/Company: (Signature)



Scan QR Code for instructions

Specify Container Size \*\*

Identify Container Preservative Type\*\*\*

Analysis Requested

Proj. Mgr: **Matthew Nemeth**

AcctNum / Client ID:

Table #:

Profile / Template: **10545**

Prelog / Bottle Ord. ID: **EZ 3068074**

Sample Comment

Preservation non-conformance identified for sample.

\*\*Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

\*\*\* Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

**CHAIN-OF-CUSTODY Analytical Request Document**

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

Contact/Report To: Jarrett Butchino  
Phone #: (315)564-8258  
E-Mail: jbutchin@hannibalcsd.org  
Cc E-Mail:

Invoice To: Nancy Henner  
Invoice E-Mail: nhenner@hannibalcsd.org  
Purchase Order # (if applicable):

Quote #:  
County / State origin of sample(s): New York

Reportable [ ] Yes [ ] No  
DW PMSID # or WW Permit # as applicable:

Rush (Pre-approval required):  
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other

Date Results Requested:  
Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:  
Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Time	Composite End Date	Time	# Cont.	Res. Results	Units
HS-21	DW	G	2-8-24	4:23AM	2-8-24	4:23AM			
HS-22	DW	G	2-8-24	4:25AM	2-8-24	4:26AM			
HS-23	DW	G	2-8-24	4:28AM	2-8-24	4:28AM			
HS-24	DW	G	2-8-24	4:28AM	2-8-24	4:28AM			
HS-25	DW	G	2-8-24	4:29AM	2-8-24	4:29AM			
HS-26	DW	G	2-8-24	4:32AM	2-8-24	4:32AM			
HS-27	DW	G	2-8-24	4:32AM	2-8-24	4:33AM			
HS-28	DW	G	2-8-24	4:33AM	2-8-24	4:33AM			
HS-29	DW	G	2-8-24	4:36AM	2-8-24	4:37AM			
HS-30	DW	G	2-8-24	4:41AM	2-8-24	4:41AM			

Additional Instructions from Pace\*: Collected By: Jarrett Butchino  
Signature: Jarrett Butchino

Relinquished by/Company: (Signature) Date/Time: 2/12/24 9:29

Relinquished by/Company: (Signature) Date/Time:

Relinquished by/Company: (Signature) Date/Time:

Relinquished by/Company: (Signature) Date/Time:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers: 2-bx Thermometer ID: TH211 Correction Factor [°C]: +0.1 Obs. Temp. [°C]: 16.1 Corrected Temp. [°C]: 16.5 On Ice:

Tracking Number: 2-1724 9-29

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 1

**CHAIN-OF-CUSTODY Analytical Request Document**  
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here



Scan QR Code for instructions

Company Name: Citi Boces Hannibal Central School District  
 Street Address: 928 Cayuga Street, Hannibal, NY 13074

Contact/Report To: Jarrett Butchino  
 Phone #: (315)564-8258  
 E-Mail: jbutchin@hannibalcsd.org  
 Cc E-Mail:

Customer Project #: LEADS - HANNIBAL CSD  
 Project Name: LEADS - HANNIBAL CSD  
 Site Collection Info/Facility ID (as applicable):

Invoice To: Nancy Henner  
 Invoice E-Mail: nhenner@hannibalcsd.org  
 Purchase Order # (if applicable):  
 Quote #:

Specify Container Size \*\*  
 Identify Container Preservative Type\*\*\*  
 Analysis Requested

\*\*Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other  
 \*\*\* Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Customer Sample ID	Matrix *	Comp / Grab	Composite Start		Collected or Composite End		# Cont.	Res. Chlorine Results	Units
			Date	Time	Date	Time			
HS-31	DW	G	2-8-24	4:49AM	2-8-24	4:49AM			
HS-32	DW	G	2-8-24	4:45AM	2-8-24	4:46AM			
HS-33	DW	G	2-8-24	4:46AM	2-8-24	4:46AM			
HS-34	DW	G	2-8-24	4:48AM	2-8-24	4:48AM			
HS-35	DW	G	2-8-24	4:48AM	2-8-24	4:49AM			
HS-36	DW	G	2-8-24	4:49AM	2-8-24	4:49AM			
HS-37	DW	G	2-8-24	4:51AM	2-8-24	4:51AM			
HS-38	DW	G	2-8-24	4:51AM	2-8-24	4:51AM			
HS-39	DW	G	2-8-24	4:52AM	2-8-24	4:52AM			
HS-40	DW	G	2-8-24	7:19AM	2-8-24	7:10AM			

Preservation non-conformance identified for sample:  
 Proj. Mgr: **Matthew Nemeth**  
 ActNum / Client ID:  
 Table #:  
 Profile / Template: **10545**  
 Prelog / Bottle Ord. ID: **EZ 3068074**  
 Sample Comment

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers: 2-bx  
 Thermometer ID: TH211  
 Obs. Temp. (°C): 16.1  
 Correction Factor (°C): +0.0  
 Date/Time: 2/12/24 9:29  
 Tracking Number:  
 Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Relinquished by/Company: (Signature) Jarrett Butchino  
 Date/Time: 2/12/24 9:29  
 Relinquished by/Company: (Signature) JBF PACE LA  
 Date/Time:  
 Relinquished by/Company: (Signature)  
 Date/Time:  
 Relinquished by/Company: (Signature)  
 Date/Time:  
 Relinquished by/Company: (Signature)  
 Date/Time:  
 Page: 1 of 1



	District	Project	ID / Locations
1	Hannibal CSD	High School	HS.Basement.FL.Kit.Prep Sink/Faucet
2	Hannibal CSD	High School	HS.Basement.FL.Kit.Kettle.Faucet
3	Hannibal CSD	High School	HS.Basement.FL.Kit.2 Bay.Prep Sink/Faucet
4	Hannibal CSD	High School	HS.Basement.FL.Kit.Handwash Sink/Faucet
5	Hannibal CSD	High School	HS.Basement.FL.Kit.Dishroom.3 Bay Sink/Faucet.1
6	Hannibal CSD	High School	HS.Basement.FL.Kit.Dishroom.3 Bay Sink/Faucet.2
7	Hannibal CSD	High School	HS.BASE.FL.AUD.HALL.FOUNTAIN.LH
8	Hannibal CSD	High School	HS.BASE.FL.AUD.HALL.FOUNTAIN.BF
9	Hannibal CSD	High School	HS.BASE.FL.AUD.HALL.FOUNTAIN.RH
10	Hannibal CSD	High School	HS.1ST.FL.DO.KIT.FAUCET.LH
11	Hannibal CSD	High School	HS.1ST.FL.DO.KIT.FAUCET.RH
12	Hannibal CSD	High School	HS.1ST.FL.DO HALL.FOUNTAIN.LH
13	Hannibal CSD	High School	HS.1ST.FL.DO HALL.FOUNTAIN.BF
14	Hannibal CSD	High School	HS.1ST.FL.DO HALL.FOUNTAIN.RH
15	Hannibal CSD	High School	HS.1ST.FL.GYM.LOBBY.FOUNTAIN.LH
16	Hannibal CSD	High School	HS.1ST.FL.GYM.LOBBY.FOUNTAIN.BF
17	Hannibal CSD	High School	HS.1ST.FL.GYM.LOBBY.FOUNTAIN.RH
18	Hannibal CSD	High School	HS.1ST.FL.BOYS.TEAM.FOUNTAIN.LH
19	Hannibal CSD	High School	HS.1ST.FL.BOYS.TEAM.FOUNTAIN.RH
20	Hannibal CSD	High School	HS.1ST.FL.CONCESSION.ICE MAKER
21	Hannibal CSD	High School	HS.1ST.FL.CONCESSION.SINK/FAUCET
22	Hannibal CSD	High School	HS.1ST.FL.FITNESS.CENTER.FOUNTAIN
23	Hannibal CSD	High School	HS.1ST.FL.LIB/ATTEND.HALL.FOUNTAIN.LH
24	Hannibal CSD	High School	HS.1ST.FL.LIB/ATTEND.HALL.FOUNTAIN.BF
25	Hannibal CSD	High School	HS.1ST.FL.LIB/ATTEND.HALL.FOUNTAIN.RH
26	Hannibal CSD	High School	HS.1ST.FL.113/111.HALL.FOUNTAIN.LH
27	Hannibal CSD	High School	HS.1ST.FL.113/111.HALL.FOUNTAIN.BF
28	Hannibal CSD	High School	HS.1ST.FL.113/111.HALL.FOUNTAIN.RH
29	Hannibal CSD	High School	HS.1ST.FL.103.FACULTY.FAUCET
30	Hannibal CSD	High School	HS.1ST.FL.128.NURSE.OFFICE.FAUCET
31	Hannibal CSD	High School	HS.1ST.FL.128.NURSE.LAV.FAUCET
32	Hannibal CSD	High School	HS.2ND.FL.CHORUS.820.FOUNTAIN
33	Hannibal CSD	High School	HS.2ND.FL.CHORUS.820.FOUNTAIN.BF
34	Hannibal CSD	High School	HS.2ND.FL.814/816.HALL.FOUNTAIN.LH
35	Hannibal CSD	High School	HS.2ND.FL.814/816.HALL.FOUNTAIN.BF
36	Hannibal CSD	High School	HS.2ND.FL.814/816.HALL.FOUNTAIN.RH
37	Hannibal CSD	High School	HS.2ND.FL.802/804.HALL.FOUNTAIN.LH
38	Hannibal CSD	High School	HS.2ND.FL.802/804.HALL.FOUNTAIN.BF
39	Hannibal CSD	High School	HS.2ND.FL.802/804.HALL.FOUNTAIN.RH
40	Hannibal CSD	Concession	HS.SPORTS.COMPLEX.FOUNTAIN.LH
41	Hannibal CSD	Concession	HS.SPORTS.COMPLEX.FOUNTAIN.RH

Client: Citi Bo Hann

Profile #: 105215

Client: Citi Bo Hann

Profile #: 105215

Work ID: Leads - Hembel CSD of      of     

COC Page      of     

Use Point Number Spreadsheet

Add SLOGFD to first sample for field charge

Multiday Project

DOC	Unit	Sample	Matrix	Container	Volume	Material	Notes
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WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WIP	Wipe
DW	Drinking Water

IDC	IDC
BP1U	1L unpreserved plastic
BP3N	250mL HNO3 plastic
BPAC	250mL Sodium Hydroxide
AG3U	500mL unpres amber glass

Misc.	Misc.
SP5T	170mL Cellform H6 Thio
R	Tetracone Kit
WG2U	2oz Unpreserved Jar
WG5U	4oz Unpreserved Jar
WG6U	16oz Unpreserved Jar
ZPLC	Zblock Bag
TEDL	Tedar Bag
BG3H	1L HCL Clear Glass
GN	General
WIP	Wipe

Glass	Plastic	Misc.
AG4U	125mL unpreserved plastic	SP5T
AG3U	250mL unpreserved plastic	R
AG2U	500mL unpreserved plastic	WG2U
AG1U	1L unpreserved plastic	WG5U
AG34	125mL HNO3 plastic	WG6U
AG35	250mL H2SO4 plastic	ZPLC
AG4E	125mL EDA amber glass	TEDL
AG3T	250mL Na Thio amber glass	BG3H
AG2R	Na Sulfite 500mL (blue Cap)	GN
AG1T	Na Thiosulfate 1L bottle	WIP
AG1H	1L HCl amber glass	
AG1A	(NH4Cl)	
AG3Q	5oz clear soil jar	
WG4Q	4oz clear soil jar	

Sender Initials ASF

**WO#: 70287040**  
**PM: MN2** Due Date: **02/21/24**  
**CLIENT: Citi Bo Hann**

Additional Comments

**WO#: 70287040**

Client Name: Citi Bo Hann Project

**PM: MN2 Due Date: 02/21/24**  
**CLIENT: Citi Bo Hann**

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pack  Other

Tracking #: 7057 1745 6628

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No Temperature Blank Present:  Yes  No  
 Packing Material:  Bubble Wrap  Bubble Bags  Ziplo  None  Other Type of Ice: Wet Blue None

Thermometer Used: THZ11 Correction Factor: 40.4  Samples on ice, cooling process has begun  
 Cooler Temperature (°C): 16.1 Cooler Temperature Corrected (°C): 16.5 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 5.0°C

USDA Regulated Soil  N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)?  Yes  No

Did samples originate from a foreign source including Hawaii and Puerto Rico?  Yes  No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: ASF 2/12/24

	COMMENTS:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix: SL WT OIL OTHER	

Date and Initials of person checking preservation: ASF 2/12/24

All containers needing preservation have been <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A pH paper Lot # <u>211821A</u> All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide, <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	13. <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A KI starch test strips Lot # Residual chlorine strips Lot #	14. Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____ Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sul <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Lead Acetate Strips Lot #	15. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW: ASF 2/12/24

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

\* PM (Project Manager) review is documented electronically in LIMS.