

## Analytical Report

Samantha Wolber  
LiquiTech, Inc.  
421 Eisenhower Lane  
Lombard, IL 60148

September 08, 2022

Work Order: 22H1017

RE: NYC Housing Authority, Jacob Riis Houses  
Aug 30 2022 As Special

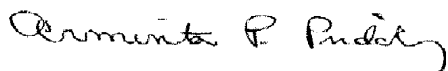
Dear Samantha Wolber:

Enclosed are the analytical reports for the EMT Work Order listed. Also included with this analytical report is a copy of the chain of custody associated with these samples. If you have any questions, please contact me.

This is a revised report, that supersedes all previous reports. Please see case narrative for an explanation of revision.

Sincerely,

Approved by,



Arminta Priddy  
Project Manager  
847.967.6666  
[apriddy@emt.com](mailto:apriddy@emt.com)  
Approved for release: 9/8/2022 9:05:52PM



Nathan Fey  
Laboratory Operations Manager

The contents of this report apply to the sample(s) analyzed. No duplication is allowed except in its entirety. Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

State of Illinois, NELAP Accredited Lab No. 100256, Cert No. 1002562021-6



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## Case Narrative

**Client:** LiquiTech, Inc.  
**Project:** NYC Housing Authority, Jacob Riis Houses  
 Aug 30 2022 As Special  
**Work Order:** 22H1017

**Date:** 09/08/2022

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

## Sample Summary

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BLDG 11 Point of Entry	22H1017-01	Drinking Water	08/30/22 11:26	08/31/22 09:40
BLDG 11 POE #2	22H1017-02	Drinking Water	08/30/22 11:27	08/31/22 09:40
BLDG 11 [REDACTED] Kitchen	22H1017-03	Drinking Water	08/30/22 11:40	08/31/22 09:40
BLDG 11 [REDACTED] Kitchen Sink	22H1017-04	Drinking Water	08/30/22 11:46	08/31/22 09:40
465 E 10 St Point of Entry	22H1017-05	Drinking Water	08/30/22 11:56	08/31/22 09:40
465 E 10 St [REDACTED] Kitchen Sink	22H1017-06	Drinking Water	08/30/22 12:05	08/31/22 09:40

### Narrative

Sample results only relate to the to the sample received at the laboratory and analytes of interest tested.

### **Work Order: 22H1017**

The samples were received on 08/31/22 09:40. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was:

<u>Cooler</u>	<u>Temp C°</u>
Default Cooler	23.0

### **Version 2**

B2H1206-BLK2 was analyzed without dilution and reveals trace contamination present in the original results. Initial results were incorrect. They should have been qualified to show blank contamination.

Under investigation, it was found that low levels of arsenic had been inadvertently added during the digestion process as a contaminant.

Blank contamination is at 0.0134 PPM.

EMT retracts these results.

### Client Sample Results

**Client:** LiquiTech, Inc.  
**Project:** NYC Housing Authority, Jacob Riis Houses  
 Aug 30 2022 As Special  
**Work Order:** 22H1017

**Report Date:** 09/08/2022

Analyses	Result	EMT Reporting Limit	Qual	Units	MDL	Date/Time Analyzed	Batch	Analyst
<b>Client Sample ID:</b> BLDG 11 Point of Entry <b>Collection Date:</b> 08/30/2022 11:26 <b>Metals by ICP-MS</b> <b>Method: E200.8</b>						<b>Matrix:</b> Drinking Water <b>Lab ID:</b> 22H1017-01		
Arsenic	0.0123	0.0125	Q, J, B	ppm	0.00750	08/31/22 18:40	B2H1206	KJ1
<b>Client Sample ID:</b> BLDG 11 POE #2 <b>Collection Date:</b> 08/30/2022 11:27 <b>Metals by ICP-MS</b> <b>Method: E200.8</b>						<b>Matrix:</b> Drinking Water <b>Lab ID:</b> 22H1017-02		
Arsenic	0.0141	0.0125	Q, B	ppm	0.00750	08/31/22 18:42	B2H1206	KJ1
<b>Client Sample ID:</b> BLDG 11 [REDACTED] Kitchen <b>Collection Date:</b> 08/30/2022 11:40 <b>Metals by ICP-MS</b> <b>Method: E200.8</b>						<b>Matrix:</b> Drinking Water <b>Lab ID:</b> 22H1017-03		
Arsenic	0.0136	0.0125	Q, B	ppm	0.00750	08/31/22 18:44	B2H1206	KJ1
<b>Client Sample ID:</b> BLDG 11 [REDACTED] Kitchen Sink <b>Collection Date:</b> 08/30/2022 11:46 <b>Metals by ICP-MS</b> <b>Method: E200.8</b>						<b>Matrix:</b> Drinking Water <b>Lab ID:</b> 22H1017-04		
Arsenic	0.0138	0.0125	Q, B	ppm	0.00750	08/31/22 18:50	B2H1206	KJ1
<b>Client Sample ID:</b> 465 E 10 St Point of Entry <b>Collection Date:</b> 08/30/2022 11:56 <b>Metals by ICP-MS</b> <b>Method: E200.8</b>						<b>Matrix:</b> Drinking Water <b>Lab ID:</b> 22H1017-05		
Arsenic	0.0139	0.0125	Q, B	ppm	0.00750	08/31/22 18:52	B2H1206	KJ1
<b>Client Sample ID:</b> 465 E 10 St [REDACTED] Kitchen Sink <b>Collection Date:</b> 08/30/2022 12:05 <b>Metals by ICP-MS</b> <b>Method: E200.8</b>						<b>Matrix:</b> Drinking Water <b>Lab ID:</b> 22H1017-06		
Arsenic	0.0137	0.0125	Q, B	ppm	0.00750	08/31/22 18:54	B2H1206	KJ1

### Qualifiers and Definitions

Item	Description
B	Analyte was present in the method blank.
J	The reported result is an estimated value.

Q One or more quality control results were outside of the acceptance limits (e.g. LCS recovery, surrogate spike recovery, or CCV recovery).

%Rec Percent Recovery

### Certified Analyses included in this Report

Analyte	CAS #	Certifications
<b><i>E200.8 in Drinking Water</i></b>		
Arsenic	7440-38-2	ILEPA

### List of Certifications

Code	Description	Number	Expires
AKDEC	State of Alaska, Dept. Environmental Conservation	17-011	04/30/2024
CPSC	US Consumer Product Safety Commission, Accredited by PJLA Lab No. 1050	L18-184-R1	03/31/2024
DoD	Department of Defense, Accredited by PJLA	L20-164-R2	03/31/2024
ILEPA	State of Illinois, NELAP Accredited Lab No. 100256	1002562021-6	07/27/2023
ISO	ISO/IEC 17025:2017, Accredited by PJLA	L20-165	03/31/2024
NEFAP	TNI National Environmental Field Activities Program	L20-166	03/31/2024
TX	Texas Commission of Environmental Quality	T104704554-20-5	10/31/2022
WA	Washington State Department of Ecology	C1057	01/06/2023
WDNR	State of Wisconsin Dept of Natural Resources	999888890	08/31/2022



FOR ARSENIC ANALYSIS

23.0°C



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22H1017

PM: Arminta Priddy  
LiquiTech, Inc.  
LiquiTech DW



Environmental  
Monitoring and  
Technologies, Inc.

Use included Return Label  
Environmental Monitoring and Technologies, Inc  
Ship To: 509 North 3<sup>rd</sup> Ave.  
Des Plaines, IL 60016-1162

**LiquiTech**  
innovation in water security™

### Metals Sampling Chain of Custody

Organization: New York City Housing Authority	Sample Type Code (All Samples): GRAB
Sub- Organization: Jacob Riis Houses	Matrix Code (All Samples): 1
Sampler: R. Kasper	Container Count (All Samples):
Sampler Signature: <i>[Signature]</i>	Preservation Code (All Samples): P::3
Sampling Date: 08/30/22	Requested Analysis (All Samples): 200.8 As (Arsenic)
Tracking Number:	Received By: <i>[Signature]</i>
Relinquished By: <i>[Signature]</i> 1245	Date/Time: 8-30-22 1245
	Date/Time: 9/31/22 08:40

#	Building Name	System Group Name (Loop #)	Sample Location (Rm #, sink, tub, shower)	Sample Temp (°F)	Sampled Time	Sample ID (Lab Use Only)
1	Building #11		BLDG 11 Point of Entry	73	1126	01A
2	Building #11		BLDG 11 POE #2	73	1127	02A
3	Building #11		BLDG 11 [Redacted] Kitchen Sink	75	1140	03A
4	Building #11		BLDG 11 [Redacted] Kitchen Sink	75	1146	04A
5	465 East 10 <sup>th</sup> St.		465 E 10 St. Point of Entry	72	1156	05A
6	465 East 10 <sup>th</sup> St.		465 E 10 St. Point of Entry	75	1205	06A
7			[Redacted] Kitchen Sink			
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**Sample Receipt Checklist**

Printed: 8/31/2022 10:31:43AM

Work Order: 22H1017

Client: LiquiTech, Inc.  
Project: LiquiTech DW

Date Due: Friday, September 2, 2022

Received By: Rida Mughal  
Logged In By: Rida Mughal

Date Received: 08/31/22 09:40  
Date Logged In: 08/31/22 10:27

How were samples received? UPS

Cooler temperature at or below 6 degrees Celsius No

Chain of Custody present and properly completed Yes

Turn Around Time is indicated and specified No

Chain of Custody agrees with sample labels Yes

Samples received within hold time Yes

Proper sample containers received intact Yes

Containers properly preserved Yes

Sufficient Sample Volume Yes

Custody seals present No

Volatile water vials received No

**Sample Receipt Comments**  
**Work Order: 22H1017**

The samples were received on 08/31/22 09:40. The samples arrived in good condition and properly preserved. The temperature of the cooler at receipt was:

Cooler Temp C°  
Default Cooler 23.0

Samples going out of hold time within 24 hours:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Routine TAT has been entered X  
PM Communicate TAT has been entered \_\_\_\_\_

Reviewed By:

Date:

RM2 8/31/22