

Table 1. Summary of Bacteriological Data in water samples collected from the Jacob Riis Houses, December 1, 2022.

Client: The Liro Group
 Project: Analysis
 Matrix: Potable Water
 Collect Dates: 12/1/22 thru 12/1/22

Apartment #	Client Sample ID	Lab Number	Sample Date	Total Coliform	E. Coli	HPC ¹ (MPN/mL) ²
Guidance Values³				Negative	Absent	< 500 cfu/mL⁴
Riis Houses Building #3						
	KITCHEN SINK	2120126-01	12/1/2022	Negative	Absent	4.00
	KITCHEN SINK	2120126-02	12/1/2022	Negative	Absent	4.00
	KITCHEN SINK	2120126-03	12/1/2022	Negative	Absent	6.00
Riis Houses Building #18						
	KITCHEN SINK	2120128-01	12/1/2022	Negative	Absent	12.0
	KITCHEN SINK (UPSTREAM)	2120128-02	12/1/2022	Negative	Absent	8.00
	KITCHEN SINK (UPSTREAM)	2120128-03	12/1/2022	Negative	Absent	2.00
	KITCHEN SINK (DOWNSTREAM)	2120128-04	12/1/2022	Negative	Absent	17.0

Notes

1. HPC - Heterotrophic Plate Count
2. MPN/mL – Most Probable Number per Milliliter (MPN/mL), which correlates with Colony Forming Units per Milliliter (cfu/mL)
3. Guidance Values - US EPA National Drinking Water Regulation
4. Colony Forming Units per milliliter (cfu/mL)
5. **Bold data indicates an exceedance of Guidance Values**



LONG ISLAND ANALYTICAL LABORATORIES INC.

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Laboratory Report

NYSDOH ELAP# 11693
 USEPA# NY01273
 CTDOH# PH-0284
 AIHA# 164456
 NJDEP# NY012
 PADEP# 68-2943

LIAL# 2120126

December 06, 2022

Liro Engineers, Inc.
 Michael Byrnes
 235 East Jericho Tpk
 Mineola, NY 11501

Re: RIIS HOSES BUILDING 3

Dear Michael Byrnes,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on December 01, 2022. Long Island Analytical laboratories analyzed the samples on December 01, 2022 for the following:

SAMPLE ID	ANALYSIS
██████████ KITCHEN SINK	E. Coli, Heterotrophic Plate Count, Total Chlorine by Sampler, Total Coliform
██████████ KITCHEN SINK	E. Coli, Heterotrophic Plate Count, Total Chlorine by Sampler, Total Coliform
██████████ KITCHEN SINK	E. Coli, Heterotrophic Plate Count, Total Chlorine by Sampler, Total Coliform

Samples received at 2.0 C

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Michael D. Veraldi
 Laboratory Technical Director

Long Island Analytical Laboratories, Inc.

Client: Liro Engineers, Inc.	Client ID: RIIS HOSES BUILDING 3
Date (Time) Collected: 12/01/2022 09:55	Sample ID: ██████████ KITCHEN SINK
Date (Time) Received: 12/01/2022 13:51	Laboratory ID: 2120126-01
Matrix: Potable Water	ELAP: #11693

Microbiological Parameters

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
E. Coli	12/01/2022 14:31	Colisure	NA	Absent		
Total Coliforms	12/01/2022 14:31	Colisure	NA	Negative		

Date Prepared: 12/01/2022

Preparation Method: Micro-No Prep

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Heterotrophic Plate Count	12/01/2022 14:40	SimPlate	2.00	4.00	MPN/mL	

Date Prepared: 12/01/2022

Preparation Method: Micro-No Prep

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Total Residual Chlorine by Sampler	12/01/2022 00:00	Total Residual Chlorine by Sampler	0.100	0.400	mg/L	

Date Prepared: 12/01/2022

Preparation Method: No Preparation

Client: Liro Engineers, Inc.	Client ID: RIIS HOSES BUILDING 3
Date (Time) Collected: 12/01/2022 10:09	Sample ID: ██████████ KITCHEN SINK
Date (Time) Received: 12/01/2022 13:51	Laboratory ID: 2120126-02
Matrix: Potable Water	ELAP: #11693

Microbiological Parameters

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
E. Coli	12/01/2022 14:31	Colisure	NA	Absent		
Total Coliforms	12/01/2022 14:31	Colisure	NA	Negative		

Date Prepared: 12/01/2022

Preparation Method: Micro-No Prep

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Heterotrophic Plate Count	12/01/2022 14:40	SimPlate	2.00	4.00	MPN/mL	

Date Prepared: 12/01/2022

Preparation Method: Micro-No Prep

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Total Residual Chlorine by Sampler	12/01/2022 10:09	Total Residual Chlorine by Sampler	0.100	0.400	mg/L	

Date Prepared: 12/01/2022

Preparation Method: No Preparation

Client: Liro Engineers, Inc.	Client ID: RIIS HOSES BUILDING 3
Date (Time) Collected: 12/01/2022 10:09	Sample ID: ██████████ KITCHEN SINK
Date (Time) Received: 12/01/2022 13:51	Laboratory ID: 2120126-03
Matrix: Potable Water	ELAP: #11693

Microbiological Parameters

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
E. Coli	12/01/2022 14:31	Colisure	NA	Absent		
Total Coliforms	12/01/2022 14:31	Colisure	NA	Negative		

Date Prepared: 12/01/2022

Preparation Method: Micro-No Prep

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Heterotrophic Plate Count	12/01/2022 14:40	SimPlate	2.00	6.00	MPN/mL	

Date Prepared: 12/01/2022

Preparation Method: Micro-No Prep

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Total Residual Chlorine by Sampler	12/01/2022 10:09	Total Residual Chlorine by Sampler	0.100	0.400	mg/L	

Date Prepared: 12/01/2022

Preparation Method: No Preparation

Data Qualifiers Key Reference:

MDL	Minimum Detection Limit
LOQ	Limit of Quantitation
H	Holding Time Exceeded

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: **Liro**
 CONTACT: Hal Stillway
 PHONE: 631-603-8619
 FAX:

SAMPLER(S) SIGNATURE: *[Signature]* DATE: 12/1/22
 SAMPLE(S) SEALED: YES / NO
 CORRECT CONTAINER(S):
 SAMPLER NAME (PRINT): Hal Stillway
 DATE: 12/1/22
 CORRECT CONTAINER(S):
 YES / NO

PROJECT LOCATION: **Riis Houses Building 3**

2120126

LABORATORY ID # <small>For Laboratory Use Only</small>	MATRIX	TYPE	PH	RES. CHLORINE	PRES.	DATE	TIME	SAMPLE # LOCATION	TEMPERATURE	ANALYSIS REQUIRED	TC/EC	HPC	AP/MP/TP	# OF CONTAINERS
1.	DW	G	7.0	0.4	1.56	12/1/22	9:55 AM	[REDACTED] Kitchen Sink	17	X	X			82
2.	↓	↓	7.0	0.4	↓	12/2/22	10:09 AM	[REDACTED] Kitchen Sink	9	↓	↓			
3.	↓	↓	↓	↓	↓		11:46 AM	Kitchen Sink Cupboard	9	↓	↓			
4.														
5.														
6.														
7.														
8.														
9.														
10.														
11.														
12.														
13.														
14.														

MATRIX: S=SOIL; SL=SLUDGE; DW=DRINKING WATER; A=AIR; W=WIFE;
 PC=PAINT CHIPS; BM=BULK MATERIAL; O=OIL; WW=WASTE WATER
 TYPE: G=GRAB; C=COMPOSITE; SS=SPLIT; SPOON
 PRES: (1) ICE; (2) HCL; (3) H₂SO₄; (4) NaOH; (5) Na₂S₂O₃; (6) HNO₃; (7) OTHER

TURNAROUND REQUIRED: NORMAL STAT BY 12/1/22
 COMMENTS/INSTRUCTIONS: We to site conditions only
 12/1/22 HAT
 We to site conditions and 1 hour Steam Sample

RELINQUISHED BY (SIGNATURE): *Ben Morse* DATE: 12/1/22 TIME: 1:39 PM PRINTED NAME: Ben Morse
 RECEIVED BY (SIGNATURE): *[Signature]* DATE: 12/1/22 TIME: 1:40 PRINTED NAME: J. Linniger

WHITE - OFFICE / CANARY - LAB / PINK - SAMPLE CUSTODIAN / GOLDENROD - CLIENT
 NYSDOH ELAP# 11693 USEPA# NY01273 CTDQH# PH-0284



LONG ISLAND ANALYTICAL LABORATORIES INC.

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Laboratory Report

NYSDOH ELAP# 11693
 USEPA# NY01273
 CTDOH# PH-0284
 AIHA# 164456
 NJDEP# NY012
 PADEP# 68-2943

LIAL# 2120128

December 06, 2022

Liro Engineers, Inc.
 Michael Byrnes
 235 East Jericho Tpk
 Mineola, NY 11501

Re: RIIS HOSES BUILDING 18

Dear Michael Byrnes,

Enclosed please find the laboratory Analysis Report(s) for sample(s) received on December 01, 2022. Long Island Analytical laboratories analyzed the samples on December 01, 2022 for the following:

SAMPLE ID	ANALYSIS
██████████ KITCHEN SINK	E. Coli, Heterotrophic Plate Count, Total Chlorine by Sampler, Total Coliform
██████████ KITCHEN SINK (UPSTREAM)	E. Coli, Heterotrophic Plate Count, Total Chlorine by Sampler, Total Coliform
██████████ KITCHEN SINK (UPSTREAM)	E. Coli, Heterotrophic Plate Count, Total Chlorine by Sampler, Total Coliform
██████████ KITCHEN SINK (DOWNSTREAM)	E. Coli, Heterotrophic Plate Count, Total Chlorine by Sampler, Total Coliform

Samples received at 2.0 C

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Michael D. Veraldi
 Laboratory Technical Director

Long Island Analytical Laboratories, Inc.

Client: Liro Engineers, Inc.	Client ID: RIIS HOSES BUILDING 18
Date (Time) Collected: 12/01/2022 10:31	Sample ID: ██████████ KITCHEN SINK
Date (Time) Received: 12/01/2022 13:58	Laboratory ID: 2120128-01
Matrix: Potable Water	ELAP: #11693

Microbiological Parameters

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
E. Coli	12/01/2022 14:31	Colisure	NA	Absent		
Total Coliforms	12/01/2022 14:31	Colisure	NA	Negative		

Date Prepared: 12/01/2022

Preparation Method: Micro-No Prep

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Heterotrophic Plate Count	12/01/2022 14:40	SimPlate	2.00	12.0	MPN/mL	

Date Prepared: 12/01/2022

Preparation Method: Micro-No Prep

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Total Residual Chlorine by Sampler	12/01/2022 10:31	Total Residual Chlorine by Sampler	0.100	0.400	mg/L	

Date Prepared: 12/01/2022

Preparation Method: No Preparation

Client: Liro Engineers, Inc.	Client ID: RIIS HOSES BUILDING 18
Date (Time) Collected: 12/01/2022 10:51	Sample ID: ██████████ KITCHEN SINK (UPSTREA
Date (Time) Received: 12/01/2022 13:58	Laboratory ID: 2120128-02
Matrix: Potable Water	ELAP: #11693

Microbiological Parameters

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
E. Coli	12/01/2022 14:31	Colisure	NA	Absent		
Total Coliforms	12/01/2022 14:31	Colisure	NA	Negative		

Date Prepared: 12/01/2022

Preparation Method: Micro-No Prep

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Heterotrophic Plate Count	12/01/2022 14:40	SimPlate	2.00	8.00	MPN/mL	

Date Prepared: 12/01/2022

Preparation Method: Micro-No Prep

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Total Residual Chlorine by Sampler	12/01/2022 10:51	Total Residual Chlorine by Sampler	0.100	0.400	mg/L	

Date Prepared: 12/01/2022

Preparation Method: No Preparation

Client: Liro Engineers, Inc.	Client ID: RIIS HOSES BUILDING 18
Date (Time) Collected: 12/01/2022 10:57	Sample ID: ██████████ KITCHEN SINK (UPSTREA
Date (Time) Received: 12/01/2022 13:58	Laboratory ID: 2120128-03
Matrix: Potable Water	ELAP: #11693

Microbiological Parameters

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
E. Coli	12/01/2022 14:31	Colisure	NA	Absent		
Total Coliforms	12/01/2022 14:31	Colisure	NA	Negative		

Date Prepared: 12/01/2022

Preparation Method: Micro-No Prep

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Heterotrophic Plate Count	12/01/2022 14:40	SimPlate	2.00	2.00	MPN/mL	

Date Prepared: 12/01/2022

Preparation Method: Micro-No Prep

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Total Residual Chlorine by Sampler	12/01/2022 10:57	Total Residual Chlorine by Sampler	0.100	0.400	mg/L	

Date Prepared: 12/01/2022

Preparation Method: No Preparation

Client: Liro Engineers, Inc.	Client ID: RIIS HOSES BUILDING 18
Date (Time) Collected: 12/01/2022 11:27	Sample ID: ██████████ KITCHEN SINK (DOWNST
Date (Time) Received: 12/01/2022 13:58	Laboratory ID: 2120128-04
Matrix: Potable Water	ELAP: #11693

Microbiological Parameters

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
E. Coli	12/01/2022 14:31	Colisure	NA	Absent		
Total Coliforms	12/01/2022 14:31	Colisure	NA	Negative		

Date Prepared: 12/01/2022

Preparation Method: Micro-No Prep

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Heterotrophic Plate Count	12/01/2022 14:40	SimPlate	2.00	17.0	MPN/mL	

Date Prepared: 12/01/2022

Preparation Method: Micro-No Prep

Parameter	Date Analyzed	Method	LOQ	Result	Units	Flag
Total Residual Chlorine by Sampler	12/01/2022 11:27	Total Residual Chlorine by Sampler	0.100	0.400	mg/L	

Date Prepared: 12/01/2022

Preparation Method: No Preparation

Data Qualifiers Key Reference:

MDL	Minimum Detection Limit
LOQ	Limit of Quantitation
H	Holding Time Exceeded



CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: **Liro**
 CONTACT: **Hal Stillway**
 PHONE: **631-603-8619**
 FAX: _____

SAMPLER(S) SEALED: YES / NO
 CORRECT CONTAINER(S): YES / NO

DATE: **12/1/22**
 TIME: _____

SAMPLER(S) SIGNATURE: *Hal Stillway*
 SAMPLER NAME (PRINT): **Hal Stillway**

PROJECT LOCATION: **Riis Houses Building # 18**

2120128

LABORATORY ID #	MATRIX	TYPE	PH	RES CHLORINE	PRES	DATE	TIME	SAMPLES RECEIVED AT	SAMPLE #	LOCATION	TEMPERATURE °C	ANALYSIS REQUIRED	TEMPERATURE	TC/EC	HPC	# OF CONTAINERS
1	DW	G	7.0	0.4	1.56	12/1/22	10:31 AM	[REDACTED]	[REDACTED]	to taken JHK	7		7	X	X	2
2							10:51 AM	[REDACTED]	[REDACTED]	to taken JHK	19					
3							10:57 AM	[REDACTED]	[REDACTED]	to taken JHK	19					
4							11:27 AM	[REDACTED]	[REDACTED]	to taken JHK	19					
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																

TURNAROUND REQUIRED: NORMAL STAT BY **12/4/22** **11:45 AM**

COMMENTS / INSTRUCTIONS: **Ove to site conditions only**
1 pair stream sample was taken

RECEIVED BY (SIGNATURE): *Ben Morse* DATE: **12/1/22** TIME: **1:39 PM** PRINTED NAME: **Ben Morse**

RECEIVED BY (SIGNATURE): *[Signature]* DATE: **12/1/22** TIME: **1:40** PRINTED NAME: **J Curran**