



MANDELL ENVIRONMENTAL CONSULTING

409 MINNISINK ROAD ♦ SUITE 102 ♦ TOTOWA, NJ 07512 ♦ (973) 785-7574 ♦ FAX (973) 785-0561

Limited Water Sampling Report

Project Name: The Leaguers Head Start
Project Location: 301-310 16th Avenue, Newark, NJ
Date of Sampling: July 20, 2022 & September 22, 2022

Limited water sampling was performed by Mandell Environmental Consulting at The Leaguers Head Start, 301-310 16th Avenue, Newark, NJ. Water samples were collected from the kitchen sink faucet and water coolers used by the child care center. Samples were also collected from 50% of the other indoor water faucets utilized by the child care. The samples were collected prior to water being used in the building for a minimum of 8 hours and not longer than 48 hours. The samples were collected in 250 milliliter (ml) containers accordance with New Jersey Regulations

The samples collected were submitted for analysis to Pace Analytical, 575 Broad Hollow Road, Melville, NY 11747, certification # NY158. Samples were analyzed by Graphite Furnace AA, EPA 200.9. The following table contains the results of the sampling. The maximum contaminant level (MCL) for lead in drinking water is 15 ug/L and copper 1,300 ug/L. (Laboratory Results and sampling forms Attached).

Sample Date 07/20/2022


Sample Number	Source	Results Lead	Results Copper	Units	Pos/Neg
L-1	Outlet 2	8.6	37.4	Ug/L	Neg.
L-2	Outlet 3	4.3	28.0	ug/L	Neg.
L-3	Outlet 4	9.1	29.6	ug/L	Neg.
L-4	Outlet 6	23.6	96.7	ug/L	Pos.
L-5	Outlet 7	5.8	43.0	ug/L	Neg.
L-6	Outlet 12	<1.0	12.1	ug/L	Neg.
L-7	Outlet 11	3.6	14.1	ug/L	Neg.
L-8	Outlet 15	1.0	29.7	ug/L	Neg.
L-9	Outlet 16	2.6	153	ug/L	Neg.
L-10	Water Cooler	<1.0	<2.0	ug/L	Neg.

Sample Date 09/22/2022

Sample Number	Source	Results Lead	Results Copper	Units	Pos/Neg
L4-2	Outlet 6	<1.0	3.5	Ug/L	Neg.

The laboratory results show that the samples from outlet 6 exceed the lead in drinking water action level of 15 ug/L. Follow up flush sampling was performed. The final laboratory results show that none of the samples were found to exceed the lead in drinking water action level of 15 ug/L and copper 1,300 ug/L. Sampling forms and diagram are attached.

Sampling Performed by: Stuart Casciano
 NJ Lead Inspector/Risk Assessor
 Mandell Environmental Consulting
 409 Minnisink Road, Suite 102
 Totowa, NJ 07512

Signed:  Date: 10-10-2022

October 25, 2022

Stuart Casciano
Mandell Environmental Consulting
409 Minnisink Road
Suite 102
Totowa, NJ 07512

RE: Project: THE LEAGUERS HEAD START 9/22
Pace Project No.: 70233393

Dear Stuart Casciano:

Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2022. 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,



Kimberley M. Mack
kimberley.mack@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: THE LEAGUERS HEAD START 9/22
Pace Project No.: 70233393

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: THE LEAGUERS HEAD START 9/22
Pace Project No.: 70233393

Sample: L4-2 OUTLET#4		Lab ID: 70233393001	Collected: 09/22/22 12:00	Received: 10/15/22 10:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	3.5	ug/L	2.0	1		10/24/22 18:48	7440-50-8	
Lead	<1.0	ug/L	1.0	1		10/24/22 18:48	7439-92-1	M1

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: THE LEAGUERS HEAD START 9/22
Pace Project No.: 70233393

QC Batch: 279074 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: 70233393001

METHOD BLANK: 1410733 Matrix: Water
Associated Lab Samples: 70233393001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<2.0	2.0	10/24/22 18:26	
Lead	ug/L	<1.0	1.0	10/24/22 18:26	

LABORATORY CONTROL SAMPLE: 1410734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	50	48.9	98	85-115	
Lead	ug/L	50	49.3	99	85-115	

MATRIX SPIKE SAMPLE: 1410736

Parameter	Units	70233143001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	0.37 mg/L	50	402	58	70-130	M1
Lead	ug/L	2.7	50	63.3	121	70-130	

MATRIX SPIKE SAMPLE: 1410740

Parameter	Units	70233393001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	3.5	50	59.5	112	70-130	
Lead	ug/L	<1.0	50	68.9	138	70-130	M1

SAMPLE DUPLICATE: 1410735

Parameter	Units	70233143001 Result	Dup Result	RPD	Qualifiers
Copper	ug/L	0.37 mg/L	363	3	
Lead	ug/L	2.7	2.6	2	

SAMPLE DUPLICATE: 1410739

Parameter	Units	70233393001 Result	Dup Result	RPD	Qualifiers
Copper	ug/L	3.5	3.5	0	
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.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: THE LEAGUERS HEAD START 9/22

Pace Project No.: 70233393

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.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: THE LEAGUERS HEAD START 9/22
Pace Project No.: 70233393

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70233393001	L4-2 OUTLET#4	EPA 200.8	279074		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.



Section A Required Client Information: Company: **MENDEL ENVIRONMENTAL** Address: **407 MANSFIELD ROAD SUITE 102 TORONTO, ONTARIO M6H 2M9** Phone: **416-795-7574** Fax: **978-785-0914** Requested Due Date/TIME:

Section B Required Project Information: Report To: **Copy To:** Project Name: **The Leagers Hard Start** Project Number: **102 TORONTO NS 67512**

Section C Invoice Information: Attention: **SAME** Company Name: **SAME** Address: **301-310 16th Ave Newark NJ** State: **NJ** Regulatory Agency: **NPDES** **GROUND WATER** **DRINKING WATER** **UST** **RCRA** **OTHER** Site Location: **NS** Page: **1** of **1** Page Project No./ Lab I.D.: **2054209**

ITEM #	Section D Required Client Information	Matrix Codes MATRIX CODES	SAMPLER TYPE (G-GRAB C/COMP)	COLLECTED		SAMPLER TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test #	Requested Analysis: Elterrad (Y/N)	Temp in °C	Received on	Custody	Sealed Cooler	Samples Intact	
				COMPOSITE START	COMPOSITE END/GRAB											DATE
1	L4-2 Outlet #4	Drinking Water DW WT VW F SL CL WP AR TS OT	DW G-GRAB	9/22/12	12:00pm	18°C	1	Unpreserved H ₂ SO ₄ ✓ HNO ₃ HCl NaOH Na ₂ S ₂ O ₈ Methanol Other	Lead ✓ Copper ✓		10/15/12	10:00	N	W	Y	
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

ADDITIONAL COMMENTS: **Don't take for same**

RELINQUISHED BY / AFFILIATION: **Don't take** DATE: **9-22-12** TIME: **5:00pm**

ACCEPTED BY / AFFILIATION: **Raymond** DATE: **10/15/12** TIME: **10:00**

SAMPLER NAME AND SIGNATURE: **PRINCE NAME OF SAMPLER: Doreen Slack** SIGNATURE OF SAMPLER: **[Signature]** DATE SIGNED (MM/DD/YYYY): **9-22-12**

ORIGINAL

WO#: 70233393

Pace Analytical

Client Name: MEC

PI

PM: KMM

Due Date: 10/24/22

CLIENT: MEC

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 7702 1088 4500

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No N/A

Temperature Blank Present: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Type of Ice: Wet Blue None

Thermometer Used: T1148 Correction Factor: + 0.1

Samples on ice, cooling process has begun

Cooler Temperature(°C): 18.1 Cooler Temperature Corrected(°C): 18.2

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: SH 10/1/22

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 (F-LI-C-010) and include with SCUR/COC paperwork.

		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 12)	<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	
Containers Intact:	<input 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, Matrix: <u>SL WT OIL</u>		
All containers needing preservation have been checked?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>212521</u>		Sample #
All containers needing preservation are found to be in compliance with method recommendation?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)		
Exceptions: VOA, Coliform, TDC/DOC, Oil and Grease, DRO/8015 (water).		Initial when completed: Lot # of added preservative: Date/Time preservative added:
Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #		Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #		
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15. Positive for Sulfide? Y N
Lead Acetate Strips Lot #		
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	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

August 10, 2022

Stuart Casciano
Mandell Environmental Consulting
409 Minnisink Road
Suite 102
Totowa, NJ 07512

RE: Project: THE LEAGUERSS HEAD 7/20
Pace Project No.: 70224788

Dear Stuart Casciano:


Enclosed are the analytical results for sample(s) received by the laboratory on August 04, 2022. 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,



Kimberley M. Mack
kimberley.mack@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: THE LEAGUERSS HEAD 7/20

Pace Project No.: 70224788

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: THE LEAGUERSS HEAD 7/20
Pace Project No.: 70224788

Sample: L-1 OUTLET #2		Lab ID: 70224788001	Collected: 07/20/22 00:00	Received: 08/04/22 10:45	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	37.4	ug/L	2.0	1		08/10/22 11:10	7440-50-8	
Lead	8.6	ug/L	1.0	1		08/10/22 11:10	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: THE LEAGUERSS HEAD 7/20
Pace Project No.: 70224788

Sample: L-2 OUTLET #3		Lab ID: 70224788002	Collected: 07/20/22 00:00	Received: 08/04/22 10:45	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	28.0	ug/L	2.0	1		08/10/22 11:11	7440-50-8	
Lead	4.3	ug/L	1.0	1		08/10/22 11:11	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: THE LEAGUERSS HEAD 7/20

Pace Project No.: 70224788

Sample: L-3 OUTLET #4	Lab ID: 70224788003	Collected: 07/20/22 00:00	Received: 08/04/22 10:45	Matrix: Drinking Water					
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Melville								
Copper	29.6	ug/L	2.0	1		08/10/22 11:12	7440-50-8		
Lead	9.1	ug/L	1.0	1		08/10/22 11:12	7439-92-1		

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ANALYTICAL RESULTS

Project: THE LEAGUERSS HEAD 7/20
Pace Project No.: 70224788

Sample: L-4 OUTLET #6		Lab ID: 70224788004	Collected: 07/20/22 00:00	Received: 08/04/22 10:45	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	96.7	ug/L	2.0	1		08/10/22 11:14	7440-50-8	
Lead	23.6	ug/L	1.0	1		08/10/22 11:14	7439-92-1	

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ANALYTICAL RESULTS

Project: THE LEAGUERSS HEAD 7/20
Pace Project No.: 70224788

Sample: L-5 OUTLET #7		Lab ID: 70224788005	Collected: 07/20/22 00:00	Received: 08/04/22 10:45	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	43.0	ug/L	2.0	1		08/10/22 11:19	7440-50-8	
Lead	5.8	ug/L	1.0	1		08/10/22 11:19	7439-92-1	M1

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ANALYTICAL RESULTS

Project: THE LEAGUERSS HEAD 7/20
Pace Project No.: 70224788

Sample: L-6 OUTLET #12		Lab ID: 70224788006	Collected: 07/20/22 00:00	Received: 08/04/22 10:45	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	12.1	ug/L	2.0	1		08/10/22 11:25	7440-50-8	
Lead	<1.0	ug/L	1.0	1		08/10/22 11:25	7439-92-1	M1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: THE LEAGUERSS HEAD 7/20

Pace Project No.: 70224788

Sample: L-7 OUTLET #11	Lab ID: 70224788007	Collected: 07/20/22 00:00	Received: 08/04/22 10:45	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	14.1	ug/L	2.0	1		08/10/22 11:29	7440-50-8	
Lead	3.6	ug/L	1.0	1		08/10/22 11:29	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: THE LEAGUERSS HEAD 7/20

Pace Project No.: 70224788

Sample: L-8 OUTLET #15 **Lab ID: 70224788008** Collected: 07/20/22 00:00 Received: 08/04/22 10:45 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	29.7	ug/L	2.0	1		08/10/22 11:30	7440-50-8	
Lead	1.0	ug/L	1.0	1		08/10/22 11:30	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: THE LEAGUERSS HEAD 7/20
Pace Project No.: 70224788

Sample: L-9 OUTLET #16	Lab ID: 70224788009	Collected: 07/20/22 00:00	Received: 08/04/22 10:45	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	153	ug/L	2.0	1		08/10/22 11:31	7440-50-8	
Lead	2.6	ug/L	1.0	1		08/10/22 11:31	7439-92-1	

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ANALYTICAL RESULTS

Project: THE LEAGUERSS HEAD 7/20
Pace Project No.: 70224788

Sample: L-10 WATER COOLER		Lab ID: 70224788010	Collected: 07/20/22 00:00	Received: 08/04/22 10:45	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8 Pace Analytical Services - Melville						
Copper	<2.0	ug/L	2.0	1		08/10/22 11:33	7440-50-8	
Lead	<1.0	ug/L	1.0	1		08/10/22 11:33	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: THE LEAGUERSS HEAD 7/20
Pace Project No.: 70224788

QC Batch: 268523 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: 70224788001, 70224788002, 70224788003, 70224788004

METHOD BLANK: 1356605 Matrix: Water
Associated Lab Samples: 70224788001, 70224788002, 70224788003, 70224788004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<2.0	2.0	08/10/22 10:36	
Lead	ug/L	<1.0	1.0	08/10/22 10:36	

LABORATORY CONTROL SAMPLE: 1356606

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	50	51.4	103	85-115	
Lead	ug/L	50	50.2	100	85-115	

MATRIX SPIKE SAMPLE: 1356608

Parameter	Units	70224217001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	0.012 mg/L	50	61.4	100	70-130	
Lead	ug/L	3.1	50	69.2	132	70-130 M1	

MATRIX SPIKE SAMPLE: 1356610

Parameter	Units	70224217002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	0.0092 mg/L	50	61.4	104	70-130	
Lead	ug/L	<1.0	50	68.1	135	70-130 M1	

SAMPLE DUPLICATE: 1356607

Parameter	Units	70224217001 Result	Dup Result	RPD	Qualifiers
Copper	ug/L	0.012 mg/L	10.9	6	
Lead	ug/L	3.1	2.8	8	

SAMPLE DUPLICATE: 1356609

Parameter	Units	70224217002 Result	Dup Result	RPD	Qualifiers
Copper	ug/L	0.0092 mg/L	9.0	2	
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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: THE LEAGUERSS HEAD 7/20

Pace Project No.: 70224788

QC Batch:	268524	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: 70224788005, 70224788006, 70224788007, 70224788008, 70224788009, 70224788010

METHOD BLANK: 1356611 Matrix: Water
Associated Lab Samples: 70224788005, 70224788006, 70224788007, 70224788008, 70224788009, 70224788010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	<2.0	2.0	08/10/22 11:16	
Lead	ug/L	<1.0	1.0	08/10/22 11:16	

LABORATORY CONTROL SAMPLE: 1356612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	50	54.3	109	85-115	
Lead	ug/L	50	51.8	104	85-115	

MATRIX SPIKE SAMPLE: 1356614

Parameter	Units	70224788005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	43.0	50	96.2	107	70-130	
Lead	ug/L	5.8	50	75.7	140	70-130 M1	

MATRIX SPIKE SAMPLE: 1356616

Parameter	Units	70224788006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	12.1	50	65.2	106	70-130	
Lead	ug/L	<1.0	50	72.7	144	70-130 M1	

SAMPLE DUPLICATE: 1356613

Parameter	Units	70224788005 Result	Dup Result	RPD	Qualifiers
Copper	ug/L	43.0	46.0	7	
Lead	ug/L	5.8	6.0	4	

SAMPLE DUPLICATE: 1356615

Parameter	Units	70224788006 Result	Dup Result	RPD	Qualifiers
Copper	ug/L	12.1	12.3	2	
Lead	ug/L	<1.0	<1.0		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: THE LEAGUERSS HEAD 7/20
Pace Project No.: 70224788

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.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: THE LEAGUERSS HEAD 7/20
Pace Project No.: 70224788

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70224788001	L-1 OUTLET #2	EPA 200.8	268523		
70224788002	L-2 OUTLET #3	EPA 200.8	268523		
70224788003	L-3 OUTLET #4	EPA 200.8	268523		
70224788004	L-4 OUTLET #6	EPA 200.8	268523		
70224788005	L-5 OUTLET #7	EPA 200.8	268524		
70224788006	L-6 OUTLET #12	EPA 200.8	268524		
70224788007	L-7 OUTLET #11	EPA 200.8	268524		
70224788008	L-8 OUTLET #15	EPA 200.8	268524		
70224788009	L-9 OUTLET #16	EPA 200.8	268524		
70224788010	L-10 WATER COOLER	EPA 200.8	268524		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Doc!
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed in



Section A: Required Client Information:
 Company: **MANDELL ENVIRONMENTAL**
 Address: **401 NEWBERRY ROAD**
 Suite: **100**
 Email To: **MANDELL ENVIRONMENTAL**
 Phone: **708-224-7888**
 Fax: **708-224-7888**
 Requested Date/Time: **5:30 PM**

Section B: Required Project Information:
 Report To: **MANDELL ENV.**
 Copy To: **MANDELL ENV.**
 Purchase Order No.: **THE LOGANS HEAD**
 Project Name: **START**
 Project Number: **301-310 16th AVENUE NEWARK NJ**

Section C: Invoicing Information:
 Allocation:
 Company Name: **MANDELL ENV.**
 Address: **STATE**
 Fiscal Code: **GROUND WATER**
 Fiscal Project Manager: **DRINKING WATER**
 Fiscal Profile #:
 Site Location: **NJ**

Page: **1** of **1**
 2054211

#	SAMPLE ID (AZ, D-914) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to lab)	COLLECTED		SAMPLE TYPE (G=GRAV, F=FLU)	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES	ANALYSIS TEST #	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
			COMPOSITE START	COMPOSITE END/STOP									
1	L-1 OUTLET #1	DW	7-20-22		G		1	UNPRESERVED	LEAD	MANDELL ENV.	7-20-22		
2	L-2 OUTLET #3	WT					1						
3	L-3 OUTLET #4	WW					1						
4	L-4 OUTLET #6	P					1						
5	L-5 OUTLET #7	SL					1						
6	L-6 OUTLET #12	WP					1						
7	L-7 OUTLET #11	AR					1						
8	L-8 OUTLET #15	AS					1						
9	L-9 OUTLET #16	OT					1						
10	L-10 WATER COLUMN						1						

ADDITIONAL COMMENTS:
 9-1-22 12:30 PM
 9-1-22 10:00 AM
 11/2/22 12:27

REQUISITIONED BY / AFFILIATION: **MANDELL ENV.**
DATE: **8-1-2022**

SAMPLER NAME AND SIGNATURE:
 PRINT Name of SAMPLER: **SNYDA CASLAND**
 SIGNATURE of SAMPLER: *[Signature]*
 DATE SIGNED (MM/DD/YYYY): **8-1-2022**

Temp in C:
Received on Ice (Y/N):
Custody Sealed Cooler (Y/N):
Samples Intact (Y/N):



Sample Condition - Upon R

WO#: 70224788

Client Name:

Pr

PM: KMM

Due Date: 08/11/22

CLIENT: MEC

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Tracking #: 775 5284 0870

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No N/A

Temperature Blank Present: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziploc None Other

Type of Ice: Wet Blue None

Thermometer Used: #1091 TH148 Correction Factor: + 0.1

Samples on ice, cooling process has begun

Cooler Temperature (°C): 26.0 Cooler Temperature Corrected (°C): 20.1

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Date and Initials of person examining contents: 8/4/22 MN

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 (F-LI-C-010) and include with SCUR/COC paperwork.

				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 I)	<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		
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, Matrix: SL <u>WT</u> OIL				
All containers needing preservation have been checked?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot # <u>HC281827</u>				Sample #
All containers needing preservation are found to be in compliance with method recommendation?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, NAOH > 12 Cyanide)				
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
KI starch test strips Lot #				
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	15. Positive for Sulfide? Y N
Lead Acetate Strips Lot #				
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	
Pace Trip Blank Lot # (if applicable): _____				

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

Attachment C - Drinking Water Outlet Inventory

(Complete for each school)

Name of School: THE LAGUARDIA HEAD START Address: 301-310 16TH AVENUE NEWARK NJ

Grade Levels: _____ Year School Constructed: _____ Renovated/Additions: _____

Individual school project officer Name/Signature: _____

Date Completed: _____

#	Type	Location	Code	Operational ¹ (Y/N)	Signs of Corrosion ³ (Y/N)	Filter ⁴ (Y/N)	Brass Fittings, Faucets or valves? (Y/N)	Aerator/ Screen (Y/N)	Motion Activated (Y/N)	Chiller (Y/N)	Water Cooler		Cor
											Make	Model	
1	IWF	Room 1		Y	N	N	N	Y	N	N			
2		"											
3		"											
4		OFFICE BREAKROOM											
5		JANITOR-CLOS.											
6		KITCHEN											
7		ROOM 2											
8		" "											
9		" "											
10		ROOM 3											
11	↓	" "		↓	↓	↓	↓	↓	↓	↓			

IWF - INDOOR WATER FAUCET
 WC - WATER COOLER
 FP - FOOD PREPARATION

¹ Number outlets starting at the closest outlet to the Point of Entry (POE).
² Document if permanently or temporarily out of service on the Attachment B- Plumbing Profile.
³ Signs of corrosion detected, such as but not limited to frequent leaks, rust-colored water, or stained fixtures, dishes, or laundry.
⁴ Document on Attachment D- Filter Inventory.

Attachment C - Drinking Water Outlet Inventory

(Complete for each school)

Name of School: THE LAGUARDS HEAD START Address: 301-310 16TH AVENUE NEWARK NJ

Grade Levels: _____ Year School Constructed: _____ Renovated/Additions: _____ Date Completed: _____

Individual school project officer Name/Signature: _____

#	Type	Location	Code	Operational (Y/N)	Signs of Corrosion (Y/N)	Filter (Y/N)	Brass Fittings, Faucets or valves? (Y/N)	Aerator/ Screen (Y/N)	Motion Activated (Y/N)	Chiller (Y/N)	Water Cooler	
											Make	Model
12	INF	ROOM 3		Y	N	N	N	Y	N	N		
13	"	ROOM 4										
14	"	"										
15	"	"										
16	FP	KITCHEN										
17	WC	OFFICE									ALPINE	03.6. 706K

INF - INDOOR WATER FAUCET
WC - WATER COOLER
FP - FOOD PREPARATION

¹ Number outlets starting at the closest outlet to the Point of Entry (POE).
² Document if permanently or temporarily out of service on the Attachment B- Plumbing Profile.
³ Signs of corrosion detected, such as but not limited to frequent leaks, rust-colored water, or stained fixtures, dishes, or laundry.
⁴ Document on Attachment D- Filter Inventory.

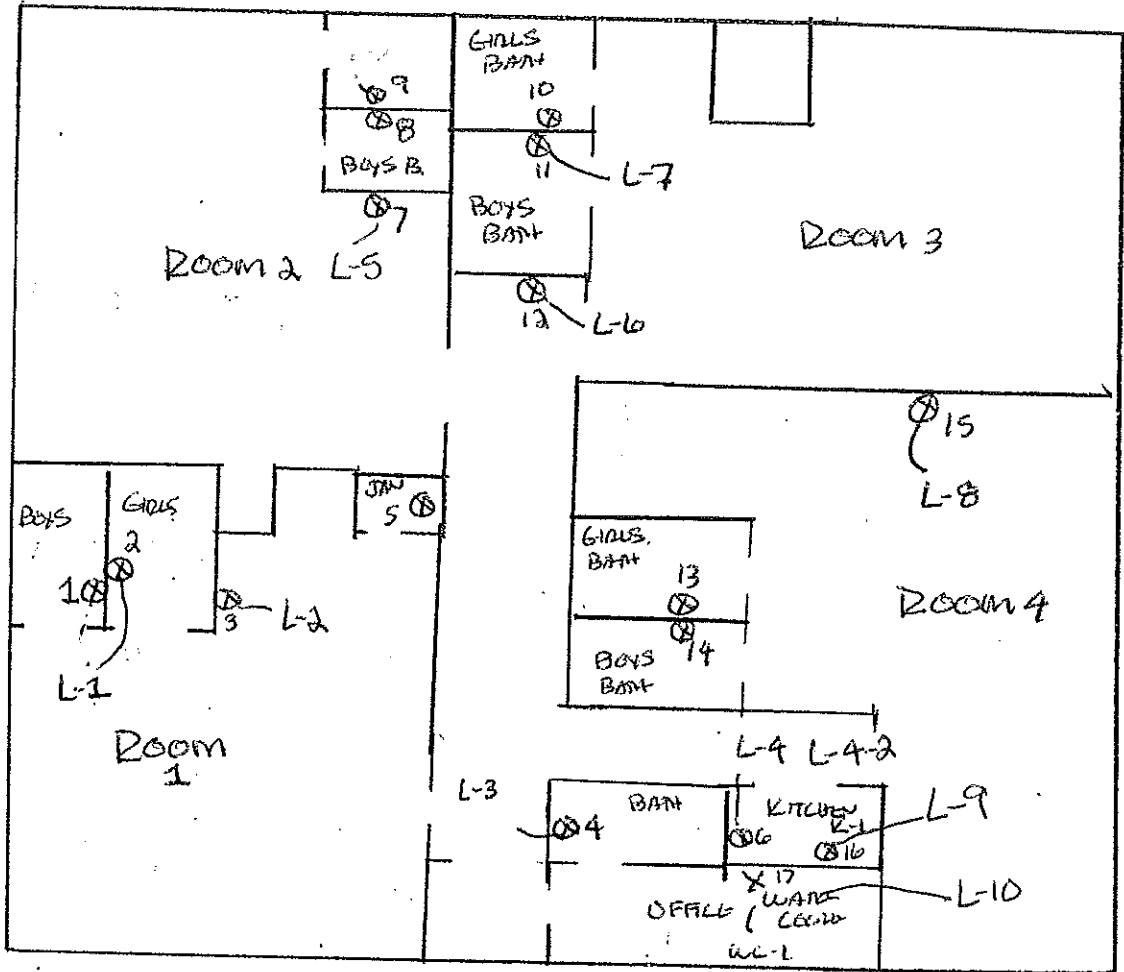
Attachment D - Filter Inventory
(Complete for each school)

Name of School: THE LEAGUERS HOOD START Grade Levels: _____

Address: 301-310 16TH AVENUE, NEWARK NJ

Individual School Project Officer Signature: _____ Date: _____

Sample Location / Code	Brand	Type (Make & Model)	Date Installed or Replaced	Replacement Frequency	NSF Certified for Lead Reduction Y/N
		NO FILTERS			



301-310 16TH AVE
 NEWARK NJ

Mandell Lead Inspectors, Inc
 dba
**MANDELL ENVIRONMENTAL
 CONSULTING**

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 mandelllead@verizon.net * www.mandellenvironmental.com