



NELAC NJ11005
 EPA NJ01186
 PADEP 68-05417
 NYDOH NY12046
 CTDPH PH-0143



380 Scotch Road
 Ewing, NJ 08628
 609-737-3477 (p)
 609-737-3052 (f)
www.njal.com

CERTIFICATE OF ANALYSIS

NJ11005 / NY12046

Project Name:	105 Grand St	Workorder:	N071290
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Melissa Benford
 International Charter School of Trenton
 105 Grand St.
 Trenton, NJ 08611

Project Name and Number: **105 Grand St**

December 18, 2018

Dear Melissa Benford,

This report relates only to the sample(s) as received by the laboratory. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Caution is advised for the utilization of preliminary data included in reports labeled as "Preliminary Report" and should not be used for regulatory purposes. A laboratory signature is provided on final reports only.

If you have any questions in reference to this laboratory report, please contact your NJAL project coordinator or laboratory manager listed at the bottom of this report at (609) 737-3477.

Note: This coverage is included as part of the Analytical Report and must be retained as a permanent record thereof.

Laboratory Manager

New Jersey Analytical Laboratories

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Robert Hulit, Project Manager



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NARRATIVE

Lab Work Order # N071290

International Charter School of Trenton - Drinking Water Lead & Copper - 12/7/18

NJAL received the samples associated with this Chain of Custody in compliance with NJDEP guidelines.

The requested analysis methods and results are detailed in the following data summary report.

Any exception to method procedures are listed in the comments section below,
or see See Data Flags, Notes & Definitions.

Sample collection was performed by the individual indicated on the chain of custody.

Comments:

Samples collected by the Customer.

NJAL Provided all Pre-Cleaned Sample Containers.

Samples preserved on receipt.

Field Blank Not submitted with samples.

NOTE: MCL (Maximum Contaminant Limit) Lead 15.0 ug/L.

All samples met the MCL for Lead with the following exception N071290-02 (BK3L-KC 1st Draw) at 79.1 ug/L

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Lab ID: N071290-01

Date Collected: 12/07/18 07:00

Matrix: Drinking Water

Sample ID: BK3R-KC 1st Draw

Date Received: 12/11/18 12:45

Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>MDL</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Prepared</u>	<u>MCL</u>
Lead	7.6		ug/L	0.2	0.5	EPA 200.8	12/14/18 12:26	12/14/18	15

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Lab ID: N071290-02

Date Collected: 12/07/18 07:01

Matrix: Drinking Water

Sample ID: BK3L-KC 1st Draw

Date Received: 12/11/18 12:45

Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>MDL</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Prepared</u>	<u>MCL</u>
Lead	79.1		ug/L	0.2	0.5	EPA 200.8	12/14/18 12:29	12/14/18	15

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Lab ID: N071290-03

Date Collected: 12/07/18 07:02

Matrix: Drinking Water

Sample ID: BK1-KC 1st Draw

Date Received: 12/11/18 12:45

Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>MDL</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Prepared</u>	<u>MCL</u>
Lead	2.8		ug/L	0.2	0.5	EPA 200.8	12/14/18 12:31	12/14/18	15

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Lab ID: N071290-04

Date Collected: 12/07/18 07:02

Matrix: Drinking Water

Sample ID: BG-1-BF 1st Draw

Date Received: 12/11/18 12:45

Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>MDL</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Prepared</u>	<u>MCL</u>
Lead	3.6		ug/L	0.2	0.5	EPA 200.8	12/14/18 12:34	12/14/18	15

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Lab ID: N071290-05

Date Collected: 12/07/18 07:02

Matrix: Drinking Water

Sample ID: BB-1-BF 1st Draw

Date Received: 12/11/18 12:45

Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>MDL</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Prepared</u>	<u>MCL</u>
Lead	3.2		ug/L	0.2	0.5	EPA 200.8	12/14/18 12:36	12/14/18	15

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Lab ID: N071290-06

Date Collected: 12/07/18 07:07

Matrix: Drinking Water

Sample ID: MFB-R-BF 1st Draw

Date Received: 12/11/18 12:45

Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>MDL</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Prepared</u>	<u>MCL</u>
Lead	3.2		ug/L	0.2	0.5	EPA 200.8	12/14/18 12:39	12/14/18	15

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Lab ID: N071290-07

Date Collected: 12/07/18 07:08

Matrix: Drinking Water

Sample ID: MFB-L-BF 1st Draw

Date Received: 12/11/18 12:45

Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>MDL</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Prepared</u>	<u>MCL</u>
Lead	2.0		ug/L	0.2	0.5	EPA 200.8	12/14/18 14:05	12/14/18	15

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Lab ID: N071290-08

Date Collected: 12/07/18 07:08

Matrix: Drinking Water

Sample ID: WFLC 1st Draw

Date Received: 12/11/18 12:45

Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>MDL</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Prepared</u>	<u>MCL</u>
Lead	ND	U	ug/L	0.2	0.5	EPA 200.8	12/14/18 14:07	12/14/18	15

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Lab ID: N071290-09

Date Collected: 12/07/18 07:08

Matrix: Drinking Water

Sample ID: WFRA 1st Draw

Date Received: 12/11/18 12:45

Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>MDL</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Prepared</u>	<u>MCL</u>
Lead	ND	U	ug/L	0.2	0.5	EPA 200.8	12/14/18 14:12	12/14/18	15

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Lab ID: N071290-10

Date Collected: 12/07/18 07:10

Matrix: Drinking Water

Sample ID: MFG-R-BF 1st Draw

Date Received: 12/11/18 12:45

Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>MDL</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Prepared</u>	<u>MCL</u>
Lead	2.5		ug/L	0.2	0.5	EPA 200.8	12/14/18 14:15	12/14/18	15

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Lab ID: N071290-11

Date Collected: 12/07/18 07:10

Matrix: Drinking Water

Sample ID: MFG-L-BF 1st Draw

Date Received: 12/11/18 12:45

Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>MDL</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Prepared</u>	<u>MCL</u>
Lead	1.9		ug/L	0.2	0.5	EPA 200.8	12/14/18 14:20	12/14/18	15

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Lab ID: N071290-12

Date Collected: 12/07/18 07:12

Matrix: Drinking Water

Sample ID: SECOND FL KIT1st Draw

Date Received: 12/11/18 12:45

Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>MDL</u>	<u>RDL</u>	<u>Method</u>	<u>Analyzed</u>	<u>Prepared</u>	<u>MCL</u>
Lead	2.0		ug/L	0.2	0.5	EPA 200.8	12/14/18 14:23	12/14/18	15

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Notes and Definitions

U Compound not detected

- U Compound not detected
- D Sample required dilution due to matrix interference. Reporting limit elevated.
- DET Analyte DETECTED
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- < Less than reporting limit
- ≤ Less than or equal to reporting limit
- > Greater than reporting limit
- ≥ Greater than or equal to reporting limit
- MDL Method Detection Limit
- RDL Reporting Detection Limit
- MCL/AL Maximum Contaminant Level/Action Level
- mg/kg wet Results reported as wet weight
- TTL Concentration Total Threshold Limit Concentration
- STLC Soluble Threshold Limit Concentration
- TCLP Toxicity Characteristic Leachate Procedure

All work performed by New Jersey Analytical Laboratories LLC, is subject to our terms and conditions of services viewable at our office and our website: <http://www.njal.com/About-NJAL/Terms-and-Conditions.aspx>

LABORATORY SERVICES

380 Scotch Rd. Building 2 Suite 1B Ewing, NJ 08628 Phone: 609-737-3477 Fax: 609-737-3052 www.NJAL.com or www.InternationalHydronics.com

CHAIN OF CUSTODY

Client Name: International Charter School of Trenton					PRESERVATIVE COMMENTS					Collected By: Customer Signature: <i>[Signature]</i> Organization: International Charter School of Trenton				
CONTACT NAME: Melissa Benford Phone: 609-394-3111 Cell 609-306-6732 Client Report & Bill to Address: Melissa Benford, International Charter School of Trenton 105 Grand Street Trenton, NJ 08611 Phone: 609-394-3111, Cell 609-306-6732 Email: mbenford@internationalcs.org					Lab to preserve samples on receipt.					Turn-Around Time: STANDARD NJ-BOE- NJAC: 6A:26 - Lead 200.8				
Project Name & Address: International Charter School - 105 Grand St, Trenton NJ Proj. Number: NJ-BOE- NJAC: 6A:26 - Lead 200.8 NJAL QUOTE # 18635										Cooler Temp $1.0\text{ }^{\circ}\text{C} + \text{CF} + 0.1\text{ }^{\circ}\text{C} = 1.1\text{ }^{\circ}\text{C}$ pH Verified $\text{Y} \text{ (32)} > 10 \text{ N/A}$ Aq. Pest, pH 5-9 $\text{Y} \text{ N} \text{ N/A}$ pH Adjustment $\text{HNO}_3 \text{ pH} < 2 @ \text{B10}$ Chlorine Present $\text{Y} \text{ N} \text{ N/A}$ VOA Headspace $\text{Y} \text{ N} \text{ N/A}$ 12-11-18				
SEQ # Date Time Sample Identification Grab 1st Draw Y/N Flushed Y/N Seconds Flushed H2SO4 HNO3 Nitric Acid Caustic NaOH HCL Other Sterile - Sodium ThioSulfate, 4														
#1			Field Blank	X							X			NJ-BOE- NJAC: 6A:26 - Lead 200.8 (250 mL P, UnPrev)
#2	07-Dec	7:00	BK3R-KC 1st Draw	X	Y	N					X			NJ-BOE- NJAC: 6A:26 - Lead 200.8 (250 mL P, UnPrev)
#3	07-Dec	7:01	BK3L-KC 1st Draw	X	Y	N					X			NJ-BOE- NJAC: 6A:26 - Lead 200.8 (250 mL P, UnPrev)
#4	07-Dec	7:02	BK1-KC 1st Draw	X	Y	N					X			NJ-BOE- NJAC: 6A:26 - Lead 200.8 (250 mL P, UnPrev)
#5	07-Dec	7:02	BG-1-BF 1st Draw	X	Y	N					X			NJ-BOE- NJAC: 6A:26 - Lead 200.8 (250 mL P, UnPrev)
#6	07-Dec	7:02	BB-1-BF 1st Draw	X	Y	N					X			NJ-BOE- NJAC: 6A:26 - Lead 200.8 (250 mL P, UnPrev)
#7	07-Dec	7:07	MFB-R-BF 1st Draw	X	Y	N					X			NJ-BOE- NJAC: 6A:26 - Lead 200.8 (250 mL P, UnPrev)
#8	07-Dec	7:08	MFB-L-BF 1st Draw	X	Y	N					X			NJ-BOE- NJAC: 6A:26 - Lead 200.8 (250 mL P, UnPrev)
#9	07-Dec	7:08	WFLC 1st Draw	X	Y	N					X			NJ-BOE- NJAC: 6A:26 - Lead 200.8 (250 mL P, UnPrev)
#10	07-Dec	7:08	WFRA 1st Draw	X	Y	N					X			NJ-BOE- NJAC: 6A:26 - Lead 200.8 (250 mL P, UnPrev)
#11	07-Dec	7:10	MFG-R-BF 1st Draw	X	Y	N					X			NJ-BOE- NJAC: 6A:26 - Lead 200.8 (250 mL P, UnPrev)
#12	07-Dec	7:10	MFG-L-BF 1st Draw	X	Y	N					X			NJ-BOE- NJAC: 6A:26 - Lead 200.8 (250 mL P, UnPrev)
#13	07-Dec	7:12	SECOND FL KIT 1st Draw	X	Y	N					X			NJ-BOE- NJAC: 6A:26 - Lead 200.8 (250 mL P, UnPrev)
										NJAL Delivery + Pickup Service				
Turn Around Time : Results Due By: Date:					Matrix: DW = Drinking Water, WW =Wastewater, SL = Sludge, S=Soil, SW=Surface H2O, GW = Ground H2O, WST=Waste									
Relinquished by:		Date:	Time:	Received By:		Date:	Time:	Received By:						
<i>[Signature]</i>		12/11/18	1155	<i>[Signature]</i>		12/11/18	1245	<i>[Signature]</i>		12-11-18 @ 1245				
Lab Use:		Samples Collected by Customer: [X]			Samples Collected By NJAL Field Services []			Samples Delivered to Lab by Customer: []			Samples Delivered to Lab by NJAL Field Services: [X]			
		Lab Use: Iced: Y / N, Cooler Temp = _____ °C			Initials: _____ @ NJAL									

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3
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