



**MIDDLESEX COUNTY STEM CHARTER SCHOOL
LEAD IN DRINKING WATER
FIRST DRAW SAMPLING REPORT**

PERFORMED FOR:

**MIDDLESEX COUNTY STEM CHARTER SCHOOL
430 MARKET STREET
PERTH AMBOY, NJ 08861**

PERFORMED BY:

**WESTCHESTER ENVIRONMENTAL LLC
1248 WRIGHTS LANE
WEST CHESTER, PA 19380**

AUGUST 2019



August 30, 2019

Mr. David Master
Middlesex County STEM Charter School
430 Market Street
Perth Amboy, NJ 08861

Re: FIRST DRAW LEAD IN DRINKING WATER REPORT

Dear Mr. Master;

Please find enclosed the report for the Lead in Drinking Water First Draw Sampling conducted for the Middlesex County STEM Charter School.

If you have any questions, please contact me at 610-431-7545 or email me at nabraham@westchesterenvironmental.com.

Sincerely,

Westchester Environmental, LLC

A handwritten signature in black ink, appearing to read 'Noel Abraham', is written over a horizontal line.

Noel Abraham
Environmental Specialist



TABLE OF CONTENTS

MIDDLESEX COUNTY STEM CHARTER SCHOOL

1.0	INTRODUCTION.....	1
2.0	SUMMARY OF FINDINGS.....	2
3.0	SAMPLING AND ANALYSES.....	2
4.0	DISCUSSION & RECOMMENDATIONS.....	3
5.0	DISCLAIMER.....	4

Appendix I – Water Sampling Chain-of-Custody & Laboratory Reports



1.0 INTRODUCTION

Westchester Environmental, LLC was contracted by Mr. David Master to conduct Drinking Water Sampling at the Middlesex County STEM Charter School.

The purpose of the sampling was to collect drinking water samples at predetermined locations in the facility and have them analyzed for lead levels.

The water sampling was performed on August 12, 2019 by Noel of Westchester Environmental, LLC.

All samples were analyzed by Suburban Testing Labs located at 1037F MacArthur Rd, Reading, PA 19605, a Pennsylvania certified Lead in Drinking Water testing facility.

-END OF SECTION-



2.0 SUMMARY OF FINDINGS

First Draw samples were collected and submitted for lead analysis. Table 1 below shows the concentration of lead (parts per billion or microgram per liter) at each location sampled. Flush samples were collected from all other sample locations and held by lab pending the first draw results.

Table 1: Middlesex County STEM Charter School

Location Code	Result (ppb)	Action Level (ppb)	Lead Hazard (Yes/No)
1 MCSCS-1FL-WF-O/S Room 4	<1.00	15.5	No
2 MCSCS-GFL-WF-O/S Kitchen	<1.00	15.5	No

-END OF SECTION-

3.0 SAMPLING AND ANALYSES

The following guidance documents were followed for all sampling:

1. N.J.A.C. 6A:26
2. The EPA's Revised Technical Guidance - "3Ts for Reduced Lead in Drinking Water in Schools"
3. Guidance Document from NJDEP Division of Water Supply and Geoscience – "Lead in Drinking Water: Guidance for Schools and Child Care Facilities Served by Public Water".

Two (2) first draw and flush samples were collected. All first draw samples were analyzed. All flush samples are held by lab pending first draw results.

All samples were labeled with a unique identification number and transported to the Suburban Laboratory for analysis for lead in drinking water using EPA Method 200.8.

-END OF SECTION-



4.0 DISCUSSION & RECOMMENDATIONS

According to the US EPA, lead enters drinking water primarily through plumbing materials.

For further information on guidance protocols and Action Levels that were followed please refer to:

1. N.J.A.C. 6A:26
2. The EPA's Revised Technical Guidance - "3Ts for Reduced Lead in Drinking Water in Schools"
3. Guidance Document from NJDEP Division of Water Supply and Geoscience – "Lead in Drinking Water: Guidance for Schools and Child Care Facilities Served by Public Water".

Based on a laboratory analysis after the first draw samples, no analysis of flush samples is required as all samples analyzed fall below the action limit.

The type of samples collected for this assessment is referred to as grab samples. Grab samples are individual discrete samples collected at a specific time and location and are reflective of the conditions at that time of collection.

It is important to note that the Lead Hazard Assessment was a snap shot of the conditions existing at the time of the assessment and conditions may vary with time.

-END OF SECTION-



5.0 DISCLAIMER

The Lead Hazard Assessment has limitations with regards to identification of actual health and environmental issues. It is limited to only those items listed in the report and all items reflect conditions at the time of the assessment only.

Westchester Environmental LLC warrants only that the contents of this report constitute an informed discussion of the assessment at the subject property and is prepared exclusively for, and is confidential to, the above noted client. Westchester Environmental LLC assumes no liability with regards to the use of this information or decisions, which are made regarding the subject property. The user(s) of this information must use their own best judgment to determine the appropriate course of action.

Westchester Environmental LLC

A handwritten signature in black ink, appearing to read 'Noel Abraham', followed by a horizontal line.

Noel Abraham
Environmental Specialist

-END OF REPORT-

APPENDIX I

**LEAD IN DRINKING WATER SAMPLING
CHAINS-OF-CUSTODY & LAB REPORTS**



Results Report

Order ID: 9084093

Westchester Environmental
1248 Wrights Lane
West Chester, PA 19380

Project: Central Jersey College Prep Charter School
101 Mettlers Road
Somerset, NJ 08873

Attn: Westchester Environmental

Regulatory ID:

Sample Number: 9084093-01
Collector: NPA

Site: Field Blank
Collect Date: 08/12/2019 7:28 am

Sample ID: MCSCS---Field Blank
Sample Type: S

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	08/22/19	MAW	08/22/19 17:55	MAW
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Sample Number: 9084093-02
Collector: NPA

Site: O/S Room 4
Collect Date: 08/12/2019 7:30 am

Sample ID: MCSCS-1FL-WF-O/S Room 4
Sample Type: S

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	08/22/19	MAW	08/22/19 17:37	MAW
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Sample Number: 9084093-03
Collector: NPA

Site: O/S Kitchen
Collect Date: 08/12/2019 7:35 am

Sample ID: MCSCS-GFL-WF-O/S Kitchen
Sample Type: S

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
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Metals

Lead	< 1.00	µg/L	EPA 200.8	1.00	1	08/22/19	MAW	08/22/19 17:53	MAW
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Sample Receipt Conditions:

All samples met the sample receipt requirements for the relevant analyses.

The test *pH, Lab* is performed in the Laboratory as soon as possible. These results are not appropriate for compliance with NPDES, SDWA, or other regulatory programs that require analysis within 15 minutes of sample collection and should be considered for informational purposes only.

All results meet the requirements of STL's TNI (NELAC) Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of STL.

Results are considered Preliminary unless report is signed by authorized representative of STL.

Report Generated On: 08/23/2019 4:35 pm
STL_Results Revision #1.6

9084093
Effective: 07/09/2014



SUBURBAN
TESTING LABS

Reviewed and Released By:

Alana Kopicz
Project Manager II

Alana M. Kopicz

Report Generated On: 08/23/2019 4:35 pm 9084093
STL_Results Revision #1.6 Effective: 07/09/2014

1037F MacArthur Road, Reading, PA 19605 Phone: 800-433-6595 Fax: 610-375-4090 suburbantestinglabs.com





9084093
Alana Kopicz



TESTING LABS

Chain of Custody Record

1037F MacArthur Road, Reading, PA 19605
610-375-TEST - Fax: 610-375-4090 - suburbantestinglabs.com

TAT (Check One)

Standard

Client Name:	Westchester Environmental LLC.			Project Name:	Central Jersey College Prep Charter School
Address:	1248 Wrights Lane	Phone:	610-883-3839	Address:	Middlesex County System Charter School
	West Chester, PA 19380				430 Market St., Perth Amboy, NJ 08861
Contact Name:	Noel Abraham	Email:	nabraham@westchesterenviro nmental.com	Payment / P.O. Info:	

Comments: All Samples are NJ-DOE

Flush / First Draw	Sample Description / Site ID.	Date Sampled	Time Sampled	Samplers Initials	Westchester Field Sample #	Tests Requested	Bottle Quantity	Matrix	Sample Types	Bottle Type	Preservative	Location Code
	Field Blank	08/12/19	07:28 AM	NPA	001	Pb EPA 200.8	1	PW	G	P	H	MCSCS---Field Blank
First	O/S Room 4	08/12/19	07:30 AM	NPA	002	Pb EPA 200.8	1	PW	G	P	H	MCSCS-1FL-WF-O/S Room 4
First	O/S Kitchen	08/12/19	07:35 AM	NPA	003	Pb EPA 200.8	1	PW	G	P	H	MCSCS-GFL-WF- O/S Kitchen

3- 1- 250ml W/HNO3
PH 2.98 8/16

Relinquished by: *[Signature]* Date: 08/16/19
Time: 09:00

Received By: *[Signature]* Date: 8/16/19 Temp °C: 22.6
Time: 12:50 Acceptable: Y / N

Relinquished by: *[Signature]* Date: 8/16/19 Temp °C: 5.5
Time: 18:00 Acceptable: Y / N

Received in Lab By: _____ Date: _____ Temp °C: _____
Time: _____ Acceptable Y / N

Sample Conditions	Matrix Key	Bottle Type Key	Reporting options
Submitted w/ COC <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	NPW = Non-Potable Water	P = Plastic	<input type="checkbox"/> SWDA Reportin
Number of containers match number on COC 2 <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Solid = Raw Sludge, Dewatered Sludge, soil, etc (reported as mg/l)	G = Glass	<input type="checkbox"/> Fax
All containers intact <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PW = Potable Water (not for SWDA compliance)	O = Other	<input type="checkbox"/> Email
Tests within holding times <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	SWDA = Safe Drinking Water Act Potable Sample	Preservative Key	<input type="checkbox"/> return a copy of this form
40 ml. VOA vials free of headspace? <input type="checkbox"/> Y / <input type="checkbox"/> N	Sample Type Key	H = Sodium Thiosulphate	
	D = Distribution	A = Ascorbic Acid	
	8 HC = 8 Hour Composite	H = HNO3	
	C = Check	C = HCl	
	S = Special	H2SO4	
	M = Maximum Residence	NaOH	
		OH =	
		O = Other	
		NA = None Required	

gs 8/16/19
5.5
18:00