



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

PERFORMED FOR:

**MIDDLESEX COUNTY STEM CHARTER SCHOOL
613 CARLOCK AVENUE
PERTH AMBOY, NJ 08861**

PERFORMED BY:

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

MARCH 2022



March 23, 2022

Mr. David Master
Middlesex County STEM Charter School
613 Carlock Ave.
Perth Amboy, NJ 08861

Re: FIRST & FLUSH 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 Middlesex County STEM Charter School.

If you have any questions, please don't hesitate to 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.....	3
4.0	DISCUSSION & RECOMMENDATIONS.....	4
5.0	DISCLAIMER.....	5

Appendix I – Water Sampling Chains-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 first draw and flush draw drinking water samples at predetermined locations in the facility and have them analyzed for lead levels.

The water sampling was performed on March 5, 2022 by Chris Piccininni of Westchester Environmental, LLC.

All samples were analyzed by Suburban Testing Labs located at 1037 MacArthur Rd, Reading, PA 19605, a New Jersey 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. Tables 1 below shows the concentration of lead (parts per billion or microgram per liter) at each location sampled.

Table 1: Middlesex County STEM Charter

	Location Code	Result (ppb)	Action Level (ppb)	Lead Hazard (Yes/No)
1	MCSC-1FL-FP-Kitchen	2.91	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".

One (1) first draw and one (1) flush draw samples was collected. The first draw samples was analyzed. The flush sample was held by the 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 laboratory analysis of the samples analyzed, no further action is required as the sample fell below the action limit.

The type of samples collected for this assessment are 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', written over 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: 2C02871

Westchester Environmental
1248 Wrights Lane
West Chester, PA 19380

Project: Central Jersey College Prep, Somerset & Perth Amboy
101 Mettlers Rd.
Somerset NJ 08873

Attn: Noel Abraham

Regulatory ID:

Sample Number: 2C02871-01
Collector: NPA

Site: CJCP-1FL-NS-Nurse Sink
Collect Date: 03/05/2022 9:09 am

Sample ID:
Sample Type: Grab

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

Lead	2.05	µg/L	EPA 200.8	1.00	1	03/16/22	MKR	03/17/22 15:44	RPV
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Sample Number: 2C02871-02
Collector: NPA

Site: CJCP-1FL-FP-Kitchen 1
Collect Date: 03/05/2022 9:10 am

Sample ID:
Sample Type: Grab

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	03/16/22	MKR	03/17/22 15:48	RPV
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Sample Number: 2C02871-03
Collector: NPA

Site: CJCP-1FL-FP-Kitchen 2
Collect Date: 03/05/2022 9:11 am

Sample ID:
Sample Type: Grab

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	03/16/22	MKR	03/17/22 15:51	RPV
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Sample Number: 2C02871-04
Collector: NPA

Site: MCSC-1FL-FP-Kitchen
Collect Date: 03/05/2022 9:47 am

Sample ID:
Sample Type: Grab

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

Lead	2.91	µg/L	EPA 200.8	1.00	1	03/16/22	MKR	03/17/22 14:52	RPV
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Sample Receipt Conditions:

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

Report Generated On: 03/18/2022 1:07 pm
STL_Results Revision #1.9

2C02871
Effective: 04/16/2020





SUBURBAN TESTING LABS

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.

**pH, Final* for ASTM leachate is performed by method SM 4500-H-B.

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.

Reviewed and Released By:

Lisa F. Care
Project Manager II

Report Generated On: 03/18/2022 1:07 pm 2C02871
STL_Results Revision #1.9 Effective: 04/16/2020





2C02871
Lisa F. Care



TESTING LABS

Chain o

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

48hr 72hr Other

Client Name:	Westchester Environmental LLC.			Project Name:	Central Jersey College Prep
Address:	1248 Wrights Lane	Phone:	610-431-7545	Address:	Somerset & Perth Amboy
	West Chester, PA 19380	Email:	nabraham@westchesterenviromental.com		101 Mettlers Rd, Somerset, NJ 08873
Contact Name:	Noel Abraham			Payment / P.O. Info:	

Comments:

Flush / First Draw	Location Code	Date Sampled	Time Sampled	Samplers Initials	Westchester Field Sample #	Tests Requested	Bottle Quantity	Matrix	Sample Types	Bottle Type	Preservative	Sample Description / Site ID
First	CJCP-1FL-NS-Nurse Sink	03/05/22	09:09 AM	NPA	001	Pb EPA 200.8	1	PW	G	P	H	0
First	CJCP-1FL-FP-Kitchen 1	03/05/22	09:10 AM	NPA	002	Pb EPA 200.8	1	PW	G	P	H	0
First	CJCP-1FL-FP-Kitchen 2	03/05/22	09:11 AM	NPA	003	Pb EPA 200.8	1	PW	G	P	H	0
First	MCSC-1FI-FP-Kitchen	03/05/22	09:47 AM	NPA	004	Pb EPA 200.8	1	PW	G	P	H	0
	④ 250 mL P w/HNO ₃ PH 2.2 3/9/22 MR ✓											

Relinquished by:

Date:

Time:

Received By:

Date:

Time:

Temp °C: 19.8 °C

Acceptable Y/N

desk

Relinquished by:

Date:

Time:

Temp °C: 16.2 °C

Acceptable Y/N

coolbox

Received in Lab By:

Date:

Time:

Temp °C: 16.2 °C

Acceptable Y/N

coolbox

Sample Conditions	Matrix Key	Bottle Type Key
Submitted w/ COC <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	NPW = Non-Potable Water	P = Plastic
Number of containers match number on COC? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Solid = Raw Sludge, Dewatered Sludge, soil, etc. (reported as mg/l)	G = Glass
All containers intact <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	PW = Potable Water (not for SWDA compliance)	O = Other
Tests within holding times <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	SWDA = Safe Drinking Water Act Potable Sample	Preservative Key
40 ml. VOA vials free of headspace? <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	Sample Type Key : SWDA Sample Type	H = Sodium Thiosulphate
	G = Grab	A = Ascorbic Acid
	8 HC = 8 Hour Composite	H = HNO ₃
	E = Entry Point	C = HCl
	R = Raw	S =
	C = Check	H ₂ SO ₄ OH = NaOH
	S = Special	O = Other
	24 HC = 24 Hour Composite	None Required
	M = Maximum Residence	