

Martin Luther King Jr., Education Center Water Sampling Lead Analysis Report

1. INTRODUCTION

1.1. GENERAL

This report presents the results of our water sampling performed at the site of Martin Luther King Jr., Education Center 16827 Appoline, Detroit, MI., on May 17th, 2016. The sample results taken in conjunction with this investigation are also presented on Appendix 1.

1.2. OBJECTIVES AND SCOPE

In general, the objectives of this investigation were to:

Accurately evaluate water outlets for lead above the EPA Maximum Contaminate Level (MCL).

1.3. AUTHORIZATION

Authorization was provided by phone for our Professional Services by Dr. Lafayette Price on May 5^{th} , 2016.

2. SITE INVESTIGATIONS

2.1. FIELD PROGRAM

In order to sample and evaluate water, GSES took six samples, a First Draw sample and a Flush sample, from three different locations on the site.

The field portion of our investigation was under control and continual supervision of an experienced member of our field scientist staff.

2.2 LABORATORY TESTING

2.2.1. General

In accordance with ASTM D3559 and the U.S. Environmental Protection Agency guidelines for lead in drinking water at schools and child care facilities, we took two samples: first draw and flush, which is the required testing standard for drinking water lead contamination.



Results of the tests indicate that the water is above the threshold for lead contamination. A copy of the lab report and Chain of Custody is attached (Appendix 1).

3. DISCUSSIONS AND RECOMMENDATIONS

3.1. DISCUSSIONS OF FINDINGS

The water results are above the threshold for lead contamination.

We appreciate the opportunity of providing this service for you. If you have any questions concerning this report or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

Michael Etters Field Scientist

Monica Starks, CIEC

Principal

Council-certified Indoor Environmental Consultant Board-awarded by the American Council for Accredited Certification



Appendix 1, Lab Results, Chain of Custody

National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 355429 5/27/2016

Customer:

G. S. Group Monica Starks 17800 Woodward Ave

17600 99000

#200

Detroit, MI 48203

Source:

Martin Luther King Jr. Academy, DC-01-KC-01-P

Source City: Detroit

Source State: MI

Date/Time Received:

5/20/2016 14:25

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend:

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed.ld # Contaminant	Method Standard	Units LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed	
1030 Lead	200.8 0.015	Inorganic Analy mg/L 0.001	tes - Metals 0.017*	1 5/17/2016 06:1	5	5/25/2016	

These test results may be used for compliance purpose as required.

Analyst Tests
EC 200.8

James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

Page

1

of 1

355429

Lead Only

Date Printed: 5/27/2016 7:54:17 AM

National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 355430 5/27/2016

Customer:

G. S. Group Monica Starks 17800 Woodward Ave

7000 VVOOGW

#200

Detroit, MI 48203

Source:

Martin Luther King Jr. Academy, DC-01-KC-01-F

Source City: Detroit

Source State: MI

Date/Time Received:

5/20/2016 14:25

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend:

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Stendard	Units LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
The second se		Inorganic Analy	/tes - Metals				
1030 Lead	200.8 0.015	mg/L 0.001	ND	1	5/17/2016 06:	15	5/25/2016

These test results may be used for compliance purpose as required.

Analyst Tests
EC 200.8

James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

Page

1

of 1

355430

Lead Only

Date Printed: 5/27/2016 7:54:17 AM

National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, Mi, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 355431 5/27/2016

Customer:

G. S. Group Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Martin Luther King Jr. Academy, DC-01-BF-02-P

Source City: Detroit

Source State: MI

Date/Time Received:

5/20/2016 14:25

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend:

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

			Analyzed
			5/25/2016
Section 1	nic Analy 0,001	oic Analytes - Metals 0.001 0.002	

These test results may be used for compliance purpose as required.

Analyst Tests
EC 200.8

James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

Page

9 1

of 1

355431

Lead Only

Date Printed: 5/27/2016 7:54:17 AM

National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 355432 5/27/2016

Customer:

G. S. Group Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Martin Luther King Jr. Academy, DC-01-BF-02-F

Source City: Detroit

Source State:MI

Date/Time Received:

5/20/2016 14:25

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend:

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units	LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
1030 Lead	200.8 0.015	Inorgar mg/L	nic Analy 0.001	ytes - Metals ND	¹ 5/17/2016 06:1		5/25/2016

These test results may be used for compliance purpose as required.

Analyst Tests
EC 200.8

James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

Page

9 1

of 1

355432

Lead Only

Date Printed: 5/27/2016 7:54:18 AM

National Testing Laboratories, Ltd

556 South Mansfield, Ypsllanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 355433 5/27/2016

Customer:

G. S. Group

Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Martin Luther King Jr. Academy, DC-01-WF-03-P

Source City: Detroit

Source State: MI

Date/Time Received:

5/20/2016 14:25

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

"Standard"

Not Analyzed This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
1030 Lead	200.8 0.015	Inorga	nic Anal	/tes - Metals				

These test results may be used for compliance purpose as required.

Analyst	Tests
EC	200.8

James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

Page

1

of 1

355433

Lead Only

Date Printed: 5/27/2016 7:54:18 AM

National Testing Laboratories, Ltd

556 South Mansfield, Ypsilanti, MI, 48197-5166 (440) 449-2525, Fax: (440) 449-8585

ANALYTICAL REPORTS

SAMPLE CODE: 355434 5/27/2016

Customer:

G. S. Group Monica Starks

17800 Woodward Ave

#200

Detroit, MI 48203

Source:

Martin Luther King Jr. Academy, DC-01-WF-03-F

Source City: Detroit

Source State: MI

Date/Time Received:

5/20/2016 14:25

Collected by:

M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend:

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND"

This contaminant was not detected at or above our lower reporting limit (LRL)

"NA"

Not Analyzed

"Standard"

This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA

Secondary Standards.

"LRL"

This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF"

This column indicates the contaminant dilution factor.

Report Notes:

Fed Id # Contaminant	Method Standard	Units	LRL	Level Detected	DF Date/Time Sampled	Date Prepped	Date/Time Analyzed
			NSS/ASTANDAS/ASTANDA	ytes - Metals			
1030 Lead	200.8 0.015	mg/L	0.001	ND	1 5/17/2016 06:1	15	5/25/2016

These test results may be used for compliance purpose as required.

Analyst Tests
EC 200.8

James Abston, Operations Manager

This report cannot be reproduced, except in full, without the written approval of National Testing Laboratories, Ltd.

Page

1 (

of 1

355434

Lead Only

Date Printed: 5/27/2016 7:54:18 AM

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number:

2077502

Order Date:

05/16/2016

Sample Number:

355429

Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF Sold To: G. S. Group For Laboratory Use ONLY Monica Starks Lab Accounting Information: 17800 Woodward Ave Detroit Payment \$: MI 48203 Check #:_ Lab Comments/Special Instructions: Date Sampled : 5 /17 / 16 Time Sampled: 6:15 Please Use Military Time, e.g. 3:00pm = 15:00 Check Time Zone: [VÉST | CST | MST | PST Client Name: Mark Phone Number: 313-318-5564 Fax Number: PWS ID# (if applicable): State Forms: Sample ID or Source: De-01 - Ke-04-P Lab Sample Information: Source Type: Spring Well Municipal Surface Date Received: MAY 12 10 2016 Other: Time Received: 14 City & State: Received By: Sample receipt criteria checked & acceptable. Sample Collected B Deviations from acceptable sample receipt criteria noted on PSA form. Sample Collected By Form Completed By: empted of this daypare.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number:

2077502

Order Date:

05/16/2016

Sample Number:

Product:

Lead Only
Payment Method:

355430

Sample Paid: No

Sold To:	TSR: EF	
G. S. Group		For Laboratory Use ONLY
Monica Starks 17800 Woodward Ave		Lab Accounting Information:
Detroit	MI 48203	Payment \$:
		Check #:
Date Sampled : 5/17/	<u>16</u>	Lab Comments/Special Instructions:
Time Sampled: 6:15	Please Use Military Time, e.g. 3.00pm = 15:00	
Check Time Zone: EST	CST MST PST	
Client Name: Martin L	Whor King Jr. Academy	
Phone Number: 313-	318-5568	
Fax Number:		
PWS ID# (if applicable):	and the second s	State Forms:
Sample ID or Source: $\overline{\mathcal{DC}}$	-01-Ke-01-F	
Source Type: Spring Other:	Well Municipal Surface	Lab Sample Information 2 0 2016 Date Received:
City & State: Defroit	ff Different than Above)	Time Received: 14:25 Received By: BF
Sample Collected By:	NDE	Sample receipt criteria checked & acceptable. Deviations from acceptable sample receipt criteria noted
iample Collected By:	(Signature)	on PSA form.
form Completed By:	lichal Effers	
Iditional Comments:	upted at this daycare	C. C
Flush Somple	myris at one cycan	this is location of l,
•		

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number:

2077502

Order Date: Sample Number:

05/16/2016

Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF

Sold To:	ISK. EF	
G. S. Group		For Laboratory Use ONLY
Monica Starks		Lab Accounting Information:
17800 Woodward Ave	BAL 40000	Payment \$:
Detroit	MI 48203	Check #:
Date Sampled : 5,17,16	2	Lab Comments/Special Instructions:
	Please Use Militery Time, e.g. 3:00pm = 15:00	
Check Time Zone: ☐ EST ☐ CS		
Client Name: Martin W		
Phone Number: 313 - 3	18-5568	
Fax Number:	To the control of the	
PWS ID# (if applicable):	W/A	State Forms:
Sample ID or Source: DC-C	01-BF-02-P	Lab Sample information:
Source Type: Spring V Other:	Vell Municipal Surface	Date Received: MAY 2 0 2016
	V 1.	Time Received: <u>1圴: 25</u>
City & State: Doroit	Offerent than Above)	Received By:
Sample Collected By:	·MA	Sample receipt criteria checked & acceptable.
sample some some some some some	(Signature)	Deviations from acceptable sample receipt criteria noted on PSA form.
Sample Collected By: Mic	have I Etters (Please Print)	
Form Completed By: Hi	che Ethers	
estytomaticonomynana (fil difference)	The second secon	
	ŧ	
Additional Comments:	wold at the day or	are. This is location of ?
Ent C	Autu as cadi	and, Ino D (maxion of)
11/2 ctrawi		

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number:

2077502

Order Date:

05/16/2016

Sample Number:

Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF Sold To: G. S. Group For Laboratory Use ONLY Monica Starks Lab Accounting Information: 17800 Woodward Ave Payment \$: Detroit MI 48203 Check #: Lab Comments/Special Instructions: Date Sampled++ Please Use Military Time, e.g. 3.00pm = 15:00 Check Time Zone DEST CST[Phone Number: 313 Fax Number: State Forms: PWS ID# (if applicable): Sample ID or Source: DC-01-BF-02-F Lab Sample Information 9 0 2016 Source Type: Spring Well Municipal Surface Date Received: Other: Time Received: Received By:_ (If Different than Above) Sample receipt criteria checked & acceptable. Sample Collected By Deviations from acceptable sample receipt criteria noted on PSA form. Sample Collected By: Form Completed By: Additional Comments:

Quality Water Analysis

1-800-458-3330

General Complia 355433

Order Number:

2077502

Order Date:

05/16/2016

Sample Number:

Product:

Lead Only

Sample Paid: No

Payment Method:

TCD. FF

Sold To:	s with Li		
G. S. Group			For Laboratory Use ONLY
Monica Starks 17800 Woodward Ave			Lab Accounting Information:
Detroit	MI 48203		Payment \$:
-/-	11/ - 1- 1-	and the same of th	Check #:
Date Sampled : 5/17	116 (5) 5/3/16		Lab Comments/Special Instructions:
Time Sampled: 6: L	Please Use Military Time, e.g. 3:00pm = 15:0	00	
Check Time Zone. [JEST [Client Name: Markin	Lother Kin R. Acad	eny	
Phone Number: 313	318.5568	U man	
Fax Number:		irin Jan	
PWS ID# (if applicable):	W/A		State Forms:
Sample ID or Source: $\sum_{manager}$	c-04-WF-03-P	00207	i ch Seannie informations of a second
Source Type: Spring Other.	Well Municipal Surface	•	Lab Sample Information 9 0 2016 Date Received:
City & State: Detvo	t U.		Time Received: 14:25
	(If Different than Above)	SI54	Received By:
Sample Collected By	W. (Signature)	ingir	Sample receipt criteria checked & acceptable. Deviations from acceptable sample receipt criteria noted on PSA form.
Sample Collected By:	(Please Print)	erk	
Form Completed By:	lichal Effers	istoria	
dditional Comments:	Soundled at this da	<u>Abare</u>	this is location #13.
FIRST draw.		J	

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number:

2077502

Order Date:

05/16/2016

Sample Number:

111111 355434

Product:

Lead Only

Sample Paid: No TSR: EF

Payment Method:

Sold 10:		
G. S. Group		For Laboratory Use ONLY
Monica Starks		Lab Accounting Information:
17800 Woodward Ave		
Detroit	MI 48203	Payment \$:
5/13/16 - Date Sampled 5/17/16	(5/18/16)	Check #:Lab Comments/Special Instructions:
Time Sampled: 6:15 Please	e Use Military Time, e.g 3,00pm = 15:00	
Check Time Zone: DEST CST CST CHent Name: Marchin Luth,	MST PST A AVOIDED	
Phone Number: 313 - 316.	5568	
Fax Number:		
PWS ID# (If applicable):		Stato Forms:
Sample ID or Source: DC - 01	-WF-03-F	
Source Type: Spring Well	tinden indexed protection is a resident transferred consistent condition of Configuration in the contract of t	Leb Sample Information 20 2016 Date Received:
Other:		Time Received: 14:25
City & State: Detrout	Mic than Above)	Received By: DF
Sample Collected By:	(Signature)	Sample receipt criteria checked & acceptable. Deviations from acceptable sample receipt criteria noted on PSA form.
Sample Collected By: Mid	hul titus (Please Print)	1990 година и Собори (1990 и Македон (1990 година) по при водина и постори в населения на простори в населения по по при почения по по почения по почения по почения почени
Form Completed By: Mid	m Etters	
dditional Comments:	1	
3 locations Sample	d at this daypure,	This is location #3
- Flush Sample.	<u> </u>	
8		