



**GS GROUP LLC**  
Green S.P.A.C.E.S Protect Our Earth

## **Joyland Too Achievement 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 Joyland Too Achievement Center, 17251 W. McNichols, Detroit MI, on August 1st, 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 Doris LaGrone on July 26<sup>th</sup>, 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.



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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



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**APPENDIX 1**  
**Laboratory Results and Chain of Custody**

**17800 Woodward Ave Suite 200**  
**Detroit, MI 48203**

**National Testing Laboratories, Ltd**

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

**ANALYTICAL REPORTS**

**SAMPLE CODE: 358711**

**8/10/2016**

**Customer:** G. S. Group  
 Monica Starks  
 17800 Woodward Ave #200  
 Detroit, MI 48203

**Source:** Joyful Too Achievement  
 Academy, DC-01-GF-03-F  
 Detroit  
**Source City:**  
**Source State:** MI

**Date/Time Received:** 8/3/2016 14:00

**Collected by:** A. Hayden

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
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	0.004	1	8/1/2016 06:40		8/8/2016

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

Analyst	Tests
JP	200.8



James Abston, Operations Manager

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**ANALYTICAL REPORTS**

**SAMPLE CODE: 358710**

**8/10/2016**

**Customer:** G. S. Group  
 Monica Starks  
 17800 Woodward Ave #200  
 Detroit, MI 48203

**Source:** Joy...Too Achievement  
 Academy, DC-01-GF-03-P  
 Detroit  
**Source City:**  
**Source State:** MI

**Date/Time Received:** 8/3/2016 14:00

**Collected by:** A. Hayden

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
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	0.003	1	8/1/2016 06:40		8/8/2016

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

Analyst	Tests
JP	200.8



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**ANALYTICAL REPORTS**

**SAMPLE CODE: 358709**

**8/10/2016**

**Customer:** G. S. Group  
 Monica Starks  
 17800 Woodward Ave #200  
 Detroit, MI 48203

**Source:** Joyland Too Achievement Academy, DC-01-BF-02-F  
 Detroit  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 8/3/2016 14:00

**Collected by:** A. Hayden

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
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	0.021*	1	8/1/2016 06:40		8/8/2016

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

Analyst	Tests
JP	200.8



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**ANALYTICAL REPORTS**

**SAMPLE CODE: 358708**

**8/10/2016**

**Customer:** G. S. Group  
 Monica Starks  
 17800 Woodward Ave #200  
 Detroit, MI 48203

**Source:** Joy Lee Too Achievement Academy, DC-01-BF-02-P  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 8/3/2016 14:00

**Collected by:** A. Hayden

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
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	0.110*	1	8/1/2016 06:40		8/8/2016

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

Analyst	Tests
JP	200.8



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**ANALYTICAL REPORTS**

**SAMPLE CODE: 358706**

**8/10/2016**

**Customer:** G. S. Group  
 Monica Starks  
 17800 Woodward Ave #200  
 Detroit, MI 48203

**Source:** Joy and Too Achievement  
 Academy, DC-01-KC-01-F  
 Detroit  
**Source City:**  
**Source State:** MI

**Date/Time Received:** 8/3/2016 14:00

**Collected by:** A. Hayden

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
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	0.013	1	8/1/2016 06:40		8/8/2016

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

Analyst	Tests
JP	200.8



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**ANALYTICAL REPORTS**

**SAMPLE CODE: 358707**

**8/10/2016**

**Customer:** G. S. Group  
 Monica Starks  
 17800 Woodward Ave #200  
 Detroit, MI 48203

**Source:** Joy and Achievement Academy, DC-01-KC-01-P  
 Detroit  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 8/3/2016 14:00

**Collected by:** A. Hayden

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
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	0.004	1	8/1/2016 06:40		8/8/2016

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

Analyst	Tests
JP	200.8



James Abston, Operations Manager

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Quality Water Analysis

1-800-458-3330

**General Compliance**

Order Number: 2077783 358707

Order Date: 05/20/2016

Sample Number:



Product: Lead Only

Sample Paid: No Payment Method:

TSR: EF

Sold To:  
G. S. Group  
Monica Starks  
17800 Woodward Ave  
Detroit

MI 48203

Date Sampled: 8 / 1 / 16

Time Sampled: 06:40 Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone:  EST  CST  MST  PST

Client Name: Joyful Top Achievement Academy  
~~Address~~

~~Phone Number~~: 17251 W. McNichols

Number: 248-388-7174

PWS ID# (if applicable): W/16

Sample ID or Source: DC-01-KC-01-P

Source Type:  Spring  Well  Municipal  Surface  
 Other:

City & State: Detroit, MI  
(If Different than Above)

Sample Collected By: Aaron Hayden  
(Signature)

Sample Collected By: Aaron Hayden  
(Please Print)

Form Completed By: Michael Batters

Additional Comments: The location sampled is a daycare. This is sample #1, first draw.

For Laboratory Use ONLY	
Lab Accounting Information:	
Payment \$:	_____
Check #:	_____
Lab Comments/Special Instructions:	
State Forms:	
Lab Sample Information:	
Date Received:	8 / 13 / 16
Time Received:	14:00
Received By:	EF
<input checked="" type="checkbox"/> Sample receipt criteria checked & acceptable.	
<input type="checkbox"/> Deviations from acceptable sample receipt criteria noted on PSA form.	

**National Testing Laboratories, Ltd.**

Quality Water Analysis

1-800-458-3330

**General Compliance**

Order Number: 2077783  
Order Date: 05/20/2016  
Sample Number:  
Product: Lead Only

358706



Sample Paid: No Payment Method:  
TSR: EF

Sold To:  
G. S. Group  
Monica Starks  
17800 Woodward Ave  
Detroit

MI 48203

Date Sampled: 8/1/16

Time Sampled: 06:40 Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone:  EST  CST  MST  PST

Client Name: Joyland Too Nicheant Academy

Address: 17251 W. McPichols

Phone Number: 248-388-7174

PWS ID# (if applicable): N/A

Sample ID or Source: DC-01-KC-01-F

Source Type:  Spring  Well  Municipal  Surface  
 Other

City & State: Detroit, Mi.  
(If Different than Above)

Sample Collected By: Aaron Hayden  
(Signature)

Sample Collected By: Aaron Hayden  
(Please Print)

Form Completed By: Michael Biter's

**For Laboratory Use ONLY**

Lab Accounting Information:  
Payment \$: \_\_\_\_\_  
Check #: \_\_\_\_\_

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information: 8-3-16 DP  
Date Received: 8-14-16  
Time Received: 14:00  
Received By: DP

Sample receipt criteria checked & acceptable.  
 Deviations from acceptable sample receipt criteria noted on PSA form.

Additional Comments: The location sampled is a daycare. This is sample #1, Flush Sample.

**National Testing Laboratories, Ltd.**

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077783

358708

Order Date: 05/20/2016

Sample Number:



Product: Lead Only

Sample Paid: No Payment Method:

TSR: EF

Sold To:  
G. S. Group  
Monica Starks  
17800 Woodward Ave  
Detroit

MI 48203

Date Sampled: 8/1/16

Time Sampled: 06:40  
Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone:  EST  CST  MST  PST

Client Name: Joyland Too Achievement Academy  
~~Allans~~

Phone Number: 17251 W. McMichals

Fax Number: 248-388-7174

PWS ID# (if applicable): N/A

Sample ID or Source: DC-01-BF-02-P

Source Type:  Spring  Well  Municipal  Surface  
 Other:

City & State: Detroit, MI  
(If Different than Above)

Sample Collected By: Aaron Hayden  
(Signature)

Sample Collected By: Aaron Hayden  
(Please Print)

Form Completed By: Michael Bittus

Additional Comments: The location sampled is a daycare. This is Sample # 2, first draw.

For Laboratory Use ONLY	
Lab Accounting Information:	
Payment \$:	_____
Check #:	_____
Lab Comments/Special Instructions:	
State Forms:	
Lab Sample Information:	
Date Received:	<u>8/3/16</u>
Time Received:	<u>14:50</u>
Received By:	<u>AF</u>
<input checked="" type="checkbox"/> Sample receipt criteria checked & acceptable. <input type="checkbox"/> Deviations from acceptable sample receipt criteria noted on PSA form.	



**National Testing Laboratories, Ltd.**

Quality Water Analysis

1-800-458-3330

**General Compliance**

Order Number: 2077783 358710

Order Date: 05/20/2016

Sample Number:



Product: Lead Only

Sample Paid: No Payment Method:

TSR: EF

Sold To:  
G. S. Group  
Monica Starks  
17800 Woodward Ave  
Detroit MI 48203

Date Sampled: 8/1/16

Time Sampled: 06:40 Please Use Military Time, e.g. 3.00pm = 15:00

Check Time Zone:  EST  CST  MST  PST

Client Name: Joyland T.O.O. Achievement Academy

Address: 17251 W. McDelals

Phone Number: 248-388-7174

PWS ID# (if applicable): N/A

Sample ID or Source: DC-01-BF-03-P

Source Type:  Spring  Well  Municipal  Surface  
 Other:

City & State: Detroit, Mi.  
(If Different than Above)

Sample Collected By: Aaron Hayden  
(Signature)

Sample Collected By: Aaron Hayden  
(Please Print)

Form Completed By: Michael Starks

**For Laboratory Use ONLY**

Lab Accounting Information:  
Payment \$: \_\_\_\_\_  
Check #: \_\_\_\_\_

Lab Comments/Special Instructions:  
  
  
  
  
  
  
  
  
  
State Forms:

Lab Sample Information:  
Date Received: 8/3/16  
Time Received: 14:00  
Received By: DF  
 Sample receipt criteria checked & acceptable.  
 Deviations from acceptable sample receipt criteria noted on PSA form.

Additional Comments: The location sampled is a daycare. This is Sample # 3, First draw.

**National Testing Laboratories, Ltd.**

Quality Water Analysis

1-800-458-3330

**General Compliance**

Order Number: 2077783

Order Date: 05/20/2016 358711

Sample Number:



Product: Lead Only

Sample Paid: No Payment Method:

TSR: EF

Sold To:  
G. S. Group  
Monica Starks  
17800 Woodward Ave  
Detroit

MI 48203

Date Sampled: 8/1/16

Time Sampled: 06:46 Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone:  EST  CST  MST  PST

Client Name: Joyland Top Achievement Academy

Address: 17251 W. McPike

Phone Number: 248-388-7174

PWS ID# (if applicable): N/A

Sample ID or Source: DC-01-GF-03-F

Source Type:  Spring  Well  Municipal  Surface  
 Other:

City & State: Detroit, MI  
(If Different than Above)

Sample Collected By: Claron Hayden  
(Signature)

Sample Collected By: Aaron Hayden  
(Please Print)

Form Completed By: Michael Bitters

Additional Comments: The location sampled is a daycare. This is sample #3. Flush Sample.

For Laboratory Use ONLY	
Lab Accounting Information:	
Payment \$:	_____
Check #:	_____
Lab Comments/Special Instructions:	
State Forms:	
Lab Sample Information:	
Date Received:	<u>8/13/16</u>
Time Received:	<u>14:00</u>
Received By:	<u>DR</u>
<input checked="" type="checkbox"/>	Sample receipt criteria checked & acceptable.
<input type="checkbox"/>	Deviations from acceptable sample receipt criteria noted on PSA form.