



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

## **Joyland 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 Achievement Center, 17610 W. McNichols, Detroit MI, on July 27th, 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 26th, 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 below 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 below 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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Green S.P.A.C.E.S Protect Our Earth

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

17800 Woodward Ave Suite 200  
Detroit, MI 48203

**ANALYTICAL REPORTS**

**SAMPLE CODE: 358668**

**8/10/2016**

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

**Source:** Joyland Achievement Center, DC-01-BF-01-P  
**Source City:** Detroit  
**Source State:** MI

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

**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
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	7/27/2016 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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556 South Mansfield, Ypsilanti, MI, 48197-5166  
 (440) 449-2525, Fax: (440) 449-8585

**ANALYTICAL REPORTS**

**SAMPLE CODE: 358669**

**8/10/2016**

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

**Source:** Joyland Achievement Center, DC-01-BF-01-F  
**Source City:** Detroit  
**Source State:** MI

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

**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:**

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"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	0.002	1	7/27/2016 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: 358666**

**8/10/2016**

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

**Source:** Joyland Achievement Center, DC-01-KC-02-P  
**Source City:** Detroit  
**Source State:** MI

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

**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:**

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"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	0.002	1	7/27/2016 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: 358667**

**8/10/2016**

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

**Source:** Joyland Achievement Center, DC-01-KC-02-F  
**Source City:** Detroit  
**Source State:** MI

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

**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:**

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**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	ND	1	7/27/2016 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: 358664**

**8/10/2016**

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

**Source:** Joyland Achievement Center, DC-01-WF-03-P  
**Source City:** Detroit  
**Source State:** MI

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

**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.

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"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	7/27/2016 06:46		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: 358665**

**8/10/2016**

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

**Source:** Joyland Achievement Center, DC-01-WF-03-F  
**Source City:** Detroit  
**Source State:** MI

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

**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.

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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: 2077784 358668

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: 7/27/16

Time Sampled: 6:40 Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone:  EST  CST  MST  PST

Client Name: Joyland Achievement Center

Address: 17610 W. McNichols

Phone Number: 248-388-7174

PWS ID# (if applicable): N/A

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

Source Type:  Spring  Well  Municipal  Surface  Other:

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

Sample Collected By: [Signature] (Signature)

Sample Collected By: Michael Eppers (Please Print)

Form Completed By: Michael Eppers

Additional Comments: The location sampled is a day care. 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:	DF
<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: 2077784 358669

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: 7/27/16

Time Sampled: 6:40 Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone:  EST  CST  MST  PST

Client Name: Joyland Achievement Center

Address: 17610 W. McNichols

Phone Number: 248-388-7174

PWS ID# (if applicable): N/A

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

Source Type:  Spring  Well  Municipal  Surface

Other:

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

Sample Collected By: [Signature] (Signature)

Sample Collected By: Michael ETTERS (Please Print)

Form Completed By: Michael ETTERS

Additional Comments:

The location sampled is a drywell. This is sample # 1, Flush Sample.

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:	BF
<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: 2077784

358666

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: 7/27/16

Time Sampled: 6:40 Please Use Military Time, e.g. 3:00pm = 15.00

Check Time Zone:  EST  CST  MST  PST

Client Name: Sealand Achievement Center

Address: 17610 W. McDichals

Phone Number: 248-388-7174

PWS ID# (if applicable): N/A

Sample ID or Source: DC-01-KC-02-7

Source Type:  Spring  Well  Municipal  Surface  
 Other:

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

Sample Collected By: [Signature]

Sample Collected By: Michael ETTVS  
(Please Print)

Form Completed By: Michael ETTVS

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>14:00</u>
Received By:	<u>DF</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: 2077784

Order Date: 05/20/2016

Sample Number:

Product: Lead Only

Sample Paid: No Payment Method:

TSR: EF

358667



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

MI 48203

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
<input checked="" type="checkbox"/> Sample receipt criteria checked & acceptable. <input type="checkbox"/> Deviations from acceptable sample receipt criteria noted on PSA form.	

Date Sampled: 7/27/16

Time Sampled: 6:40 Please Use Military Time, e.g. 3:00pm = 15:00

Check Time Zone:  EST  CST  MST  PST

Client Name: Joyland Achievement Center

Address: 17610 W. McDichols

Phone Number: 248-368-7174

PWS ID# (if applicable): N/A

Sample ID or Source: DC-01-KE-02-F

Source Type:  Spring  Well  Municipal  Surface  
 Other:

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

Sample Collected By: *[Signature]*  
(Signature)

Sample Collected By: Michael ETTUS  
(Please Print)

Form Completed By: Michael ETTUS

Additional Comments: The location sampled is a day care. This is Sample # 2, Flush Sample.

**National Testing Laboratories, Ltd.**

Quality Water Analysis

1-800-458-3330

**General Compliance**

358664

Order Number: 2077784

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: 7/27/16

Time Sampled: 6:46 Please Use Military Time, e.g. 3 00pm = 15 00

Check Time Zone  EST  CST  MST  PST

Client Name: Soyland Achievement Center

Address: 17610 W. McDichols

Phone/Facsimile: 248-388-7174

PWS ID# (if applicable): N/A

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

Source Type:  Spring  Well  Municipal  Surface

Other:

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

Sample Collected By: [Signature] (Signature)

Sample Collected By: Michael ETTERS (Please Print)

Form Completed By: Michael ETTERS

Additional Comments:

The location sampled is a daycare. This is Sample #3 first draw.

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
<input checked="" type="checkbox"/>	Sample receipt criteria checked & acceptable.
<input type="checkbox"/>	Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

**National Testing Laboratories, Ltd.**

Quality Water Analysis

1-800-458-3330

**General Compliance**

Order Number: 2077784  
Order Date: 05/20/2016  
Sample Number:  
Product: Lead Only

358665



Sample Paid: No Payment Method:  
TSR: EF

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

MI 48203

Date Sampled: 7/27/16

Time Sampled: 6:40 Please Use Military Time, e.g 3.00pm = 1500

Check Time Zone:  EST  CST  MST  PST

Client Name: Soyland Achievement Center

Address: 17610 W. Mc Nichols

Phone Number: 248-388-7174

PWS ID# (if applicable): N/A

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

Source Type:  Spring  Well  Municipal  Surface  
 Other.

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

Sample Collected By: [Signature] (Signature)

Sample Collected By: Michael Ezzers (Please Print)

Form Completed By: Michael Ezzers

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:	8/3/16
Time Received:	14:00
Received By:	DF
<input checked="" type="checkbox"/> Sample receipt criteria checked & acceptable	
<input type="checkbox"/> Deviations from acceptable sample receipt criteria noted on PSA form.	

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS