



*Effective and Economical
Environmental Solutions*

Lead-in-Drinking Water Sampling
Per amendments to N.J.A.C. 6A:26 Educational Facilities
South Bergin Jointure Commission
500 Route 17 S. Suite 307
Hasbrouck Heights, NJ 07604

Karl Environmental Group Project #: 21-0848

January 10, 2022

Prepared for:
Mr. Kenneth Sheldon
Assistant Business Administrator
500 Route 17 S. Suite 307
Hasbrouck Heights, NJ 07604

Prepared by:
Karl Environmental Group
20 Lauck Road
Mohnton, PA 19540
Tel: (800) 527-5581
Fax: (610) 856-5040



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Mohnton, PA 19540
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January 10, 2022

Mr. Kenneth Sheldon
Assistant Business Administrator
500 Route 17 S. Suite 307
Hasbrouck Heights, NJ 07604

Re: Lead-in-Drinking Water Sampling
Per amendments to N.J.A.C. 6A:26 Educational Facilities
South Bergen Jointure Commission
500 Route 17 S. Suite 307
Hasbrouck Heights, NJ 07604

Karl Environmental Group Project #: 21-0848

Dear Mr. Sheldon,

Thank you for selecting Karl Environmental Group ("Karl Environmental") for this project. This report details the methods and findings of the lead in drinking water sampling services as per New Jersey state regulations (amendments to N.J.A.C 6A:26 Educational Facilities) for the first draw sampling performed within the South Bergen Jointure Commission district (the "Facility"), on December 15, 2021.

1.0 PROJECT BACKGROUND

Karl Environmental was contacted by Mr. Kenneth Sheldon of the South Bergin Jointure Commission (the "Client") to conduct lead in drinking water sampling to determine the lead content of drinking water sources throughout the Facilities.

The purpose of lead in drinking water sampling is to determine if any sampled drinking water sources exhibit lead levels exceeding the Regulatory Action Level of 15 parts per billion (ppb). Drinking water collection points include any water sources from which a student, staff, or faculty may reasonably drink or from which the water may be used for cooking or beverage preparation, including, but not limited to, water coolers/bubblers, kitchen faucets, nurse's office faucets, and faculty/staff lounges.



2.0 LEAD IN DRINKING WATER

Lead is a toxic substance that can be harmful to human health. As compared to adults, children are more susceptible to the detrimental health effects of lead, as their nervous systems are not yet fully developed. Exposure to lead can occur in a variety of ways including through food, soil, deteriorating lead-based paint, and drinking water. Lead can leach into drinking water from plumbing materials such as pipes and solder, as well as brass plumbing fixtures. For this investigation, planning, preparation, methodology, and sampling were conducted according to the technical guidance provided by New Jersey following the adoption of amendments to N.J.A.C. 6A:26: Educational Facilities, requiring the sampling of drinking water for lead in schools.

3.0 DRINKING WATER SAMPLING METHODOLOGY

Karl Environmental collected drinking water samples from water outlets throughout each of the facilities listed below. At each collection point, Karl Environmental filled a 250 milliliter (mL) wide-mouth high density polyethylene (HDPE) sample collection bottle from the selected water source. Samples were collected after the water in each building had not been used for at least 8 hours, but not more than 48 hours. Samples were preserved using concentrated Nitric Acid (HNO_3). The initial sample at each collection point represents the first draw sample. The first draw sample is representative of the water from the end point of the water source (i.e., the bubbler or tap).

A field blank using lead-free laboratory reagent water was also collected at each Facility during the sampling event to rule out contamination of samples during the collection and transportation process. All samples were recorded under proper chain of custody and couriered to Suburban Testing Labs (Suburban), a New Jersey certified laboratory (NJ Lab ID #PA081) located in Reading, Pennsylvania for analysis by EPA method 200.8, NJ DOE.

During the sampling event, Karl Environmental collected the following number of samples at each Facility.

Prime Time Early Learning Center

- Five (5) First Draw Samples
- One (1) Field Blank

Lodi Campus

- Seven (7) First Draw Samples
- One (1) Field Blank

Maywood Campus

- Four (4) First Draw Samples
- One (1) Field Blank



4.0 DRINKING WATER ANALYSIS RESULTS

The analytical lead in drinking water results for each sample collected are listed below:

Table 1: Prime Time Early Learning Center – December 15, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
PTELC-BLANK	Blank	< 1.00	No
PTELC-1F-WF	Water Fountain	1.04	No
PTELC-1F-RR-COLDTAP	Bathroom Sink	1.36	No
PTELC-2F-WF	Water Fountain	1.50	No
PTELC-2F-RR-COLDTAP	Bathroom Sink	< 1.00	No
PTELC-BMT-RR-COLDTAP	Bathroom Sink	1.22	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, none (0) of the water samples at the Prime Time Early Learning Center exceeded the Action Level.

Table 2: Lodi Campus – December 15, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
LC-BLANK	Blank	< 1.00	No
LC-1F-WF-R3/5	Water Fountain	< 1.00	No
LC-1F-WF-R6/8	Water Fountain	< 1.00	No
LC-2F-BR-L-HWS	Bathroom Sink - Boys	1.53	No
LC-2F-GR-L-HWS	Bathroom Sink - Girls	1.84	No
LC-1F-CS-R8-R	Classroom Sink	< 1.00	No
LC-1F-CS-R2	Classroom Sink	< 1.00	No
LC-1F-CS-R1	Classroom Sink	1.37	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, none (0) of the water samples at the Lodi Campus exceeded the Action Level.



Table 3: Maywood Campus – December 15, 2021

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
MC-BLANK	Blank	< 1.00	No
MC-3F-BR-L-HWS	Bathroom Sink – Boys	4.35	No
MC-3F-GR-L-HWS	Bathroom Sink - Girls	7.17	No
MC-1F-KITCH-KC	Kitchen Sink	7.57	No
MC-BMTGYM-BR-L-HWS	Bathroom Sink	7.67	No

Laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the second draw drinking water samples indicated that at the time of the sampling, none (0) of the water samples at the Maywood Campus exceeded the Action Level.

5.0 CONCLUSIONS & RECOMMENDATIONS

Karl Environmental Group collected first draw samples from water outlets throughout the South Bergin Jointure Commission District. First draw sample results indicated that none (0) of the samples collected exhibited lead levels above the Regulatory Action Level of 15 ppb. At the conclusion of the lead in drinking water services, Karl Environmental offers the following recommendations at this time:

- Continue to monitor lead in drinking water levels as part of a regular sampling and maintenance plan, as per New Jersey State regulations. Amendments will require district-wide sampling every three (3) years.
- In the interim, when drinking water outlets are replaced/added, or the plumbing is disturbed, sampling of the impacted outlets should be completed to determine if lead levels were affected.
- Implement an aerator cleaning maintenance program to prevent the build-up of debris behind the screen which may contribute to elevated lead levels.
- Enter all filter/aerator maintenance, plumbing repairs/changes and any other pertinent information into the Field Logbook for each Facility.
- Use only cold water for food and beverage preparation. Hot water is more likely to contribute to the corrosion of plumbing materials and therefore contains a greater level of contaminants from the plumbing system.



6.0 LIMITATIONS

This investigation focused on lead in drinking water only. No other heavy metals or additional contaminants were sampled for or analyzed. Lead concentrations can change as water continues to move through the water system. Each sample was a grab sample and represents lead concentrations only at the specific time of collection and may vary based on the water usage in the facility. Interpretation of these results is only valid if the facility is serviced by a municipal water supplier or water utility.

This lead sampling event was in response to the amendments to N.J.A.C. 6A:26 Educational Facilities, dated July 13, 2016, which requires testing for lead in the drinking water of public and charter school districts every three (3) years.

7.0 CLOSING

Thank you for using Karl to assist you with this project. Please do not hesitate to call if you have any questions relating to this report or for any other environmental health and safety concerns.

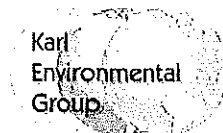
Respectfully submitted,
Karl Environmental Group

A handwritten signature in black ink, appearing to be 'KA' with a stylized flourish.

Kyle Acker
Environmental Consultant
Email: kacker@karlenv.com
(Tel): 610-856-7700
(Fax): 610-856-5040

Attachments:
A – Laboratory Analytical Report

Karl Environmental Group
Project #: 21-0848



Attachment A:
Laboratory Analytical Report



Results Report

Order ID: 1L03568

Karl Environmental Group
20 Lauck Road
Mohnton, PA 19540

Project: Prime Time Early Learning Center
20 Hackensack Street
East Rutherford, NJ 07073

Attn: Aja Slater

Regulatory ID:

Sample Number: 1L03568-01	Site: PTELC-BLANK	Sample ID:
Collector: AS	Collect Date: 12/15/2021 6:47 am	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	12/17/21	JED	12/20/21 16:07	RPV
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Sample Number: 1L03568-02	Site: PTELC-1F-WF	Sample ID:
Collector: AS	Collect Date: 12/15/2021 6:33 am	Sample Type: Grab

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

Lead	1.04	µg/L	EPA 200.8	1.00	1	12/17/21	JED	12/20/21 16:16	RPV
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Sample Number: 1L03568-03	Site: PTELC-1F-RR-COLDTAP	Sample ID:
Collector: AS	Collect Date: 12/15/2021 6:36 am	Sample Type: Grab

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

Lead	1.36	µg/L	EPA 200.8	1.00	1	12/17/21	JED	12/20/21 16:19	RPV
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Sample Number: 1L03568-04	Site: PTELC-2F-WF	Sample ID:
Collector: AS	Collect Date: 12/15/2021 6:40 am	Sample Type: Grab

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

Lead	1.50	µg/L	EPA 200.8	1.00	1	12/17/21	JED	12/20/21 16:21	RPV
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Sample Number: 1L03568-05	Site: PTELC-2F-RR-COLDTAP	Sample ID:
Collector: AS	Collect Date: 12/15/2021 6:41 am	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	12/17/21	JED	12/20/21 16:24	RPV
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Report Generated On: 12/21/2021 3:28 pm
STL_Results Revision #1.9

1L03568
Effective: 04/16/2020





SUBURBAN TESTING LABS

Sample Number: 1L03568-06	Site: PTELC-BMT-RR-COLDTAP	Sample ID:
Collector: AS	Collect Date: 12/15/2021 6:45 am	Sample Type: Grab

Department / Test / Parameter	Result	Units	Method	R.L.	DF	Prep Date	By	Analysis Date	By
Metals									
Lead	1.22	µg/L	EPA 200.8	1.00	1	12/17/21	JED	12/20/21 16:26	RPV

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.

**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.

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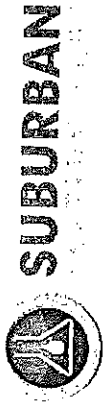
Results are considered Preliminary unless report is signed by authorized representative of STL.

Reviewed and Released By:

Ryan F Knerr
Project Manager II

Report Generated On: 12/21/2021 3:28 pm 1L03568
STL_Results Revision #1.9 Effective: 04/16/2020





Chain o'
1037F MacA:
610-375-TEST - Fax: 6



1L03568
Ryan F. Keer

Standard 24hr 48hr 72hr Other
Apply for rush TAT. If not specified, standard TAT will apply.

Order ID: _____

Client Name: Karl Environmental Group
Address: 20 Lauck Road
Mohnton, PA 19540
Phone: 610-856-7700
Fax: 610-856-5040
Contact Name: Aja Slater
Email: aslater@karlenv.com

Project Name: Early Learning Center
Address: 20 Hackensack Street
East Rutherford, NJ 07073
Payment / P.O. Info: 21-0848

Comments:

SWTL Sample Number	Sample Description / Site ID	Date Sampled	Time Sampled	Samplers	Test(s) Requested	Bottle Quantity	See Codes Below			Comments / Field Data
							Matrix	Sample Type	Bottle Type	
	<i>(6) 250 mL P w/HNO3, P4C2 12/15/21 mbr</i>									
<input checked="" type="checkbox"/>	PTELC-BLANK	12-15-21	0647	AS	Lead 200.8 NJ DOE	1	PW G	P	H	Blank
<input checked="" type="checkbox"/>	PTELC-1F-WF	12-15-21	0633	AS	Lead 200.8 NJ DOE	1	PW G	P	H	
<input checked="" type="checkbox"/>	PTELC-1F-RR-COLDTAP	12-15-21	0636	AS	Lead 200.8 NJ DOE	1	PW G	P	H	Boys, 2nd from Left
<input checked="" type="checkbox"/>	PTELC-2F-WF		0640	AS	Lead 200.8 NJ DOE	1	PW G	P	H	
<input checked="" type="checkbox"/>	PTELC-2F-RR-COLDTAP		0641	AS	Lead 200.8 NJ DOE	1	PW G	P	H	Boys, Left
<input checked="" type="checkbox"/>	PTELC-BMT-RR-COLDTAP		0645	AS	Lead 200.8 NJ DOE	1	PW G	P	H	Basement Girls, Right

Requisitioned By: _____ Date: _____
 Received By: _____ Date: _____
 Requisitioned By: (6) Date: 12-15-21
 Received in Lab By: AMW (6) Date: 12-15-21
 Date: 10-57

Temp °C: _____ Acceptable: Y/N
 Temp °C: _____ Acceptable: Y/N
 Temp °C: 15.0 Acceptable: (Y)

Sample Conditions: Submitted with COC? Y N
 Number of containers match number on COC? Y N
 All containers in tact? Y N
 Tests within holding times? Y N
 40 mL VOA vials free of headspace? Y N

Matrix Key: NPW = Non-Potable Water
 Solid = Raw Sludge, Dewatered sludge, soil, etc. (reported as mg/kg)
 PW = Potable Water (not for SDWA compliance)
 SDWA = Safe Drinking Water Act Potable Sample

Sample Type Key: SDWA Sample Types
 G = Grab
 8HC = 8 Hr. Composite
 24HC = 24 Hr. Composite

Bottle Type Key: P = Plastic
 G = Glass
 O = Other
 Preservative Key: N = Sodium Thiosulfate
 A = Ascorbic Acid
 H = HNO3
 C = HCl
 S = H2SO4
 CH = NaOH
 Q = Other
 NA = None Required

Reporting Options: SDWA Reporting
 PWSID: _____
 Fax
 Email
 Other
 aslater@karlenv.com
 Return a copy of this form with Report

Signing this form indicates your agreement with SWTL's Standard Terms and Conditions unless otherwise specified in writing. SLF069 Rev. 1.4 Effective November 12, 2014



Results Report

Order ID: 1L03564

Karl Environmental Group
20 Lauck Road
Mohnton, PA 19540

Project: Maywood Campus
404 Maywood Avenue
Maywood, NJ 07607

Attn: Aja Slater

Regulatory ID:

Sample Number: 1L03564-01
Collector: AS

Site: MC-BLANK
Collect Date: 12/15/2021 8:18 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 12/27/21 CMV 12/27/21 16:42 MKR

Sample Number: 1L03564-02
Collector: AS

Site: MC-3F-BR-L-HWS
Collect Date: 12/15/2021 8:10 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 4.35 µg/L EPA 200.8 1.00 1 12/27/21 CMV 12/27/21 16:43 MKR

Sample Number: 1L03564-03
Collector: AS

Site: MC-3F-GR-L-HWS
Collect Date: 12/15/2021 8:08 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 7.17 µg/L EPA 200.8 1.00 1 12/27/21 CMV 12/27/21 16:20 MKR

Sample Number: 1L03564-04
Collector: AS

Site: MC-1F-KITCH-KC
Collect Date: 12/15/2021 8:13 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 7.57 µg/L EPA 200.8 1.00 1 12/17/21 JED 12/20/21 16:02 RPV

Sample Number: 1L03564-05
Collector: AS

Site: MC-BMTGYM-BR-L-HWS
Collect Date: 12/15/2021 8:15 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 7.67 µg/L EPA 200.8 1.00 1 12/17/21 JED 12/20/21 16:05 RPV

Sample Receipt Conditions:
All samples met the sample receipt requirements for the relevant analyses.

Report Generated On: 12/28/2021 2:33 pm 1L03564
STL_Results Revision #1.9 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.

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

Reviewed and Released By:

Ryan F Knerr
Project Manager II

Report Generated On: 12/28/2021 2:33 pm 1L03564
STL_Results Revision #1.9 Effective: 04/16/2020





Chail
1037F N
610-375-TEST-F



1L03664
Ryan F Kneir

Client Name: Karl Environmental Group

Address: 20 Lauck Road

Mohnton, PA 19540

Contact Name: Aja Slater

Comments:

id Campus

Address: 4U4 Maywood Avenue

Maywood, NJ 07607

Payment / P.O. Info: 21-0848

Order ID: _____

Standard 24hr 48hr 72hr Other
 (es may apply for rush TAT. If not specified, standard TAT will apply)

SWTL Sample Number	Sample Description / Site ID	Date Sampled	Time Sampled	# Samplers	Initials	Test(s) Requested	Bottle Quantity	See Codes Below			Comments / Field Data
								Matrix	Sample Type	Bottle Type	
	(5) Sewer w/HNO ₃ PH < 2 12/15/21/AMK	12-15-21	0818	AS		Lead 200.8 NJ DOE	1	PW G	P	H	BLANK
	MC-BLANK			AS		Lead 200.8 NJ DOE	1	PW G	P	H	Boys BR
	MC-3F-BR-L-HWS			AS		Lead 200.8 NJ DOE	1	PW G	P	H	Girls BR
	MC-3F-GR-L-HWS			AS		Lead 200.8 NJ DOE	1	PW G	P	H	
	MC-1F-KITCH-KC			AS		Lead 200.8 NJ DOE	1	PW G	P	H	
	MC-BMTGYM-BR-L-HWS			AS		Lead 200.8 NJ DOE	1	PW G	P	H	Basement

Requisitioned By: AS (5) Date: 12-15-21
 Time: 1051

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

Requisitioned By: _____ Date: _____
 Temp °C: _____ Acceptable: Y/N

Received in Lab By: AMM (5) Date: 12-15-21
 Time: 1051

Temp °C: 15.6 °C
 Acceptable: Y/N

Sample Conditions:
 Submitted with COC? Y N
 Number of containers match number on COC? Y N
 All containers in tact? Y N
 Tests within holding times Y N
 40 mL VOA Vials free of headspace? Y N

Matrix Key:
 NPW = Non-Potable Water
 Solid = Raw Sludge, Dewatered sludge, soil, etc. (reported as mg/kg)
 PW = Potable Water (not for SDWA compliance)
 SDWA = Safe Drinking Water Act Potable Sample

Sample Type Key:
 G = Grab
 8HC = 8 Hr. Composite
 24HC = 24 Hr. Composite

SDWA Sample Types:
 D = Distribution
 E = Entry Point
 R = Raw
 C = Check
 S = Special
 M = Maximum Residence

Bottle Type Key:
 P = Plastic
 G = Glass
 O = Other

Preservative Key:
 N = Sodium Thiosulfate
 A = Ascorbic Acid
 H = HNO₃
 C = HCl
 S = H₂SO₄
 OH = NaOH
 O = Other
 NA = None Required

Reporting Options:
 SDWA Reporting
 PWSID: _____
 Fax
 Email
 Other
 aslater@karlenv.com
 Return a copy of this form with Report

Signing this form indicates your agreement with SWTL's Standard Terms and Conditions unless otherwise specified in writing. SL F059 Rev. 1.4 Effective November 12, 2014.
 Shaded areas are for SWTL use only.



Results Report

Order ID: 1L03563

Karl Environmental Group
20 Lauck Road
Mohnton, PA 19540

Project: Lodi Campus
123 Union Street
Lodi, NJ 07644

Attn: Aja Slater

Regulatory ID:

Sample Number: 1L03563-01	Site: LC-BLANK	Sample ID:
Collector: AS	Collect Date: 12/15/2021 7:30 am	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 12/27/21 CMV 12/27/21 16:15 MKR

Sample Number: 1L03563-02	Site: LC-1F-WF-R3/5	Sample ID:
Collector: AS	Collect Date: 12/15/2021 7:22 am	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 12/27/21 CMV 12/27/21 16:37 MKR

Sample Number: 1L03563-03	Site: LC-1F-WF-R6/8	Sample ID:
Collector: AS	Collect Date: 12/15/2021 7:20 am	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 12/27/21 CMV 12/27/21 16:40 MKR

Sample Number: 1L03563-04	Site: LC-2F-BR-L-HWS	Sample ID:
Collector: AS	Collect Date: 12/15/2021 7:15 am	Sample Type: Grab

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

Lead 1.53 µg/L EPA 200.8 1.00 1 12/27/21 RPV 12/29/21 15:40 RJS

Sample Number: 1L03563-05	Site: LC-2F-GR-L-HWS	Sample ID:
Collector: AS	Collect Date: 12/15/2021 7:10 am	Sample Type: Grab

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

Lead 1.84 µg/L EPA 200.8 1.00 1 12/27/21 RPV 12/29/21 15:51 RJS

Report Generated On: 12/30/2021 9:16 am
STL_Results Revision #1.9

1L03563
Effective: 04/16/2020





SUBURBAN TESTING LABS

Sample Number: 1L03563-06	Site: LC-1F-CS-R8-R	Sample ID:
Collector: AS	Collect Date: 12/15/2021 7:20 am	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	12/27/21	CMV	12/27/21 16:54	MKR
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Sample Number: 1L03563-07	Site: LC-1F-CS-R2	Sample ID:
Collector: AS	Collect Date: 12/15/2021 7:25 am	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	12/27/21	CMV	12/27/21 16:55	MKR
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Sample Number: 1L03563-08	Site: LC-1F-CS-R1	Sample ID:
Collector: AS	Collect Date: 12/15/2021 7:27 am	Sample Type: Grab

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

Lead	1.37	µg/L	EPA 200.8	1.00	1	12/27/21	CMV	12/27/21 16:39	MKR
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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.

**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:

Ryan F Knerr
Project Manager II

Report Generated On: 12/30/2021 9:16 am 1L03563
STL_Results Revision #1.9 Effective: 04/16/2020





1103563
Ryan F Knerr

TAT (Check One): Standard 24hr 48hr 72hr Other
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply)

Order ID: _____

Client Name: Karl Environmental Group
 Address: 20 Lauck Road
Mohnton, PA 19540
 Contact Name: Aja Slater
 Phone: 610-856-7700
 Fax: 610-856-5040
 Email: aslater@karlenv.com

Company Name: Lodi Campus
 Address: 123 Union Street
Lodi, NJ 07644
 Payment / P.O. Info: 21-0848

Comments:

SWT Sample Number	Sample Description / Site ID	Date Sampled	Time Sampled	Samplers Initials	Test(s) Requested	Bottle Quantity	See Codes Below			Comments / Field Data
							Matrix	Sample Type	Bottle Type	
(8) 250mL Pw/HNO3 pH < 2 12/15/21	LC-BLANK	12-15-21	0730	AS	Lead 200.8 NJ DOE	1	PWG	P	H	BLANK
	LC-1F-WF-R3/5		0722	AS	Lead 200.8 NJ DOE	1	PWG	P	H	
	LC-1F-WF-R6/8		0720	AS	Lead 200.8 NJ DOE	1	PWG	P	H	Left
	LC-2F-BR-L-HWS		0715	AS	Lead 200.8 NJ DOE	1	PWG	P	H	Boys BR
	LC-2F-GR-L-HWS		0710	AS	Lead 200.8 NJ DOE	1	PWG	P	H	Girls BR
	LC-1F-CS-R8-R		0720	AS		1				
	LC-1F-CS-R2		0725	AS		1				
	LC-1F-CS-R1		0727	AS		1				

Requisitioned By: AJA (8) Date: 12-15-21
 Received By: _____ Time: 1051
 Date: _____
 Time: _____
 Temp °C: _____
 Acceptable: Y / N

Requisitioned By: _____ Date: _____
 Received By: _____ Time: _____
 Date: 12-15-21
 Time: 1057
 Temp °C: 15.8°C
 Acceptable: Y/N

Received in Lab By: CMV (8)

Sample Conditions:
 Submitted with COC? N
 Number of containers match number on COC? N
 All containers in set? N
 Tests within holding times N
 40 mL VOA vials free of headspace? N

Matrix Key:
 NPW = Non-Potable Water
 Solid = Raw Sludge, Dewatered sludge, soil, etc. (reported as mg/kg)
 PW = Potable Water (not for SDWA compliance)
 SDWA = Safe Drinking Water Act Potable Sample
 Sample Type Key:
 G = Grab
 8HC = 8 Hr. Composite
 24HC = 24 Hr. Composite

Bottle Type Key:
 P = Plastic
 G = Glass
 O = Other
 Preservative Key:
 N = Sodium Thiosulfate
 A = Ascorbic Acid
 H = HNO3
 C = HCl
 S = H2SO4
 OH = NaOH
 O = Other
 NA = None Required

Reporting Options:
 SDWA Reporting
 PWSID: _____
 Fax
 Email
 Other
 aslater@karlenv.com
 Return a copy of this form with Report

Signing this form indicates your agreement with SWTL's Standard Terms and Conditions unless otherwise specified in writing. SLF059 Rev. 1.4 Effective November 12, 2014
 Shaded areas are for SWTL use only.