Effective and Economical
Environmental Solutions

Lead in Drinking Water Sampling Services
Per amendments to N.J.A.C 6A:26 Educational Facilities
Somerset County Vocational & Technical School
14 Vogt Drive, Bridgewater, NJ 08807
Karl Environmental Group Project #: 25-0666

June 11, 2025

Prepared for:
Mr. John Heinbach
Supervisor of Buildings & Grounds
Somerset County Vocational & Technical School
14 Vogt Drive, Bridgewater, NJ 08807

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

Karl Environmental Group

20 Lauck Road
Mohnton, PA 19540
Tel: (800) 527-5581
Fax: (610) 856-5040
Web: www.karlenv.com

June 11, 2025

Mr. John Heinbach
Supervisor of Buildings & Grounds
Somerset County Vocational & Technical School
14 Vogt Drive, Bridgewater, NJ 08807

Re: Lead in Drinking Water Sampling Services
Somerset County Vocational & Technical School
14 Vogt Drive, Bridgewater, NJ 08807
Karl Environmental Group Project #: 25-0666

Dear Mr. Heinbach:

Thank you for selecting Karl Environmental Group ("Karl") 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) performed for the Somerset County Vocational & Technical School located at 14 Vogt Drive, Bridgewater, NJ 08807 on June 3, 2025.

1.0 PROJECT BACKGROUND

Karl Environmental was contracted by the "Client" to perform lead in drinking water sampling to determine the lead content of drinking water from sources throughout the Facilities. The purpose of lead in drinking water sampling is to ascertain if any sampled drinking water source exhibits 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.

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, sampling, and follow-up actions 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 public schools.

3.0 DRINKING WATER SAMPLING METHODOLOGY

Karl Environmental collected drinking water samples from the requested outlets at the Facilities. 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 from each collection point had not been used for at least 8 hours, but not more than 48 hours. 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 building during the sampling event for quality control purposes. All samples were recorded under proper chain of custody and couriered to iATL Eurofins Built Environment Testing, a New Jersey certified laboratory (NJ DOE #03863) located in Mount Laurel, New Jersey for analysis by EPA method 200.8.

Karl Environmental collected the following number of water samples during the initial sampling event on June 3, 2025:

Building A

- Eleven (11) First Draw Samples
- One (1) Field Blank Sample

Building B

- Seven (7) samples collected
- One (1) Field Blank Sample

Building C

- Eleven (11) First Draw Samples
- One (1) Field Blank Sample

Building D

- Eight (8) First Draw Samples
- One (1) Field Blank Sample

Building E & Admin (Same Supply)

- Eight (8) First Draw Sample
- Two (2) Field Blank Sample

Building F & G (Sample Supply)

- Fourteen (14) First Draw Samples
- Two (2) Field Blank Sample

4.0 DRINKING WATER ANALYSIS RESULTS

The analytical lead in drinking water results for each first draw sample are listed in Tables 1-6, below:

Table 1: Analytical Lead Results for First Draw Water Samples Collected from Building A

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
SVT-WC-A112	Fountain Bubbler	<1.00	No
SVT-WC-A109	Fountain Bubbler	1.80	No
SVT-WC-A107	Sink	<1.00	No
SVT-FB-A107	Fountain Bubbler	<1.00	No
SVT-WC-A106	Fountain Bubbler	<1.00	No
SVT-WC-A105	Bottle Filler	<1.00	No
SVT-FB-A105	Fountain Bubbler	<1.00	No
SVT-WC-A104	Fountain Bubbler	1.20	No
SVT-WC-A103	Fountain Bubbler	1.00	No
SVT-WC-A102	Fountain Bubbler	8.40	No
SVT-WC-A101	Fountain Bubbler	<1.00	No
SVT-BLANK-BLDG A	Field Blank	<1.00	No

All laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, no samples were above the Regulatory Action Level.

Table 2: Analytical Lead Results for First Draw Water Samples Collected from Building B

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
SVT-FB-HALLB-211	Fountain Bubbler	<1.00	No
SVT-WC-HALLB-108	Bottle Filler	<1.00	No
SVT-FB-HALLB-108	Fountain Bubbler	<1.00	No
SVT-WC-HALLB108-C	Water Cooler	<1.00	No
SVT-WC-HALLB-102	Fountain Bubbler	<1.00	No
SVT-S-B100	Sink	<1.00	No
SVT-WC-B100	Water Cooler	<1.00	No
SVT-BLANK-BLDG B	Field Blank	<1.00	No

All laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, no samples were above the Regulatory Action Level.

Table 3: Analytical Lead Results for First Draw Water Samples Collected from Building C

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
SVT-WC-BUILDC-LOBBY	Bottle Filler	<1.00	No
SVT-FB-BUILDC-LOBBT	Fountain Bubbler	<1.00	No
SVT-SO1-CUL.ART.KIT	Sink	<1.00	No
SVT-SO2-CUL.ART.KIT	Sink	1.40	No
SVT-SK1-CUL.ART.KIT	Sink	6.40	No
SVT-SK2-CUL.ART.KIT	Sink	1.30	No
SVT-SK3-CUL.ART.KIT	Sink	1.90	No
SVT-CM2-PREP.KIT	Sink	2.00	No
SVT-CM1-PREP.KIT	Sink	5.60	No
SVT-IM-PREP.KIT	Sink	<1.00	No
SVT-S01-CUL.ART.INSTR	Sink	<1.00	No
SVT-BLANK-BLDG C		<1.00	No

All laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, no samples were above the Regulatory Action Level.

Table 4: Analytical Lead Results for First Draw Water Samples Collected from Building D

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
SVT-WC-HALLD-211	Bottle Filler	<1.00	No
SVT-S-224D	Sink	<1.00	No
SVT-WC1-HALLD224	Bottler Filler	<1.00	No
SVT-WC2-HALLD224	Fountain Bubbler	<1.00	No
SVT-WC1-HALLD-121	Fountain Bubbler	<1.00	No
SVT-WC2-HALLD-121	Fountain Bubbler	<1.00	No
SVT-FB-HALLD100	Fountain Bubbler	<1.00	No
SVT-WC-HALL100D	Bottle Filler	<1.00	No
SVT-BLANK-BLDG D	Field Blank	<1.00	No

All laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, no samples were above the Regulatory Action Level.

Table 5: Analytical Lead Results for First Draw Water Samples Collected from Building E & Admin

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
SVT-FB-HALLAD202	Fountain Bubbler	<1.00	No
SVT-WC-HALL202-AD	Bottle Filler	<1.00	No
SVT-WC-ADMIN-KIT	Water Cooler	<1.00	No
SVT-S-ADMIN-KIT	Sink	<1.00	No
SVT-WC-HALLE107	Bottle Filler	<1.00	No
SVT-FB-HALLE107	Fountain Bubbler	<1.00	No
SVT-NURSE	Water Cooler	<1.00	No
SVT-BLANK-BLDG ADMIN	Field Blank	<1.00	No
SVT-BLANK-BLDG E	Field Blank	<1.00	No

All laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, no samples were above the Regulatory Action Level.

Table 6: Analytical Lead Results for First Draw Water Samples Collected from Building F & Building G

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
SVT-WC-HALLF202	Bottle Filler	<1.00	No
SVT-FB-HALLF202	Fountain Bubbler	<1.00	No
SVT-WC-HALLF207	Fountain Bubbler	<1.00	No
SVT-WC-HALLF103	Fountain Bubbler	<1.00	No
SVT-WC-F103	Sink	<1.00	No
SVT-WC-F103-2	Water Cooler	<1.00	No
SVT-WC-HALLF109A	Fountain Bubbler	1.30	No
SVT-WC-HALLG101B	Fountain Bubbler	<1.00	No
SVT-WC-HALLG101A	Bottle Filler	<1.00	No
SVT-WC-GYMLOBBY	Fountain Bubbler	<1.00	No
SVT-IM-TRAINFGRM	Ice Machine	<1.00	No
SVT-S-TRAINFGRM	Sink	<1.00	No
SVT-WC-HEADHOUSE	Fountain Bubbler	<1.00	No
SVT-WC-HEADHOUSE2	Bottle Filler	<1.00	No
SVT-BLANK-BLDG F	Field Blank	<1.00	No
SVT-BLANK-BLDG G	Field Blank	<1.00	No

All laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, no samples were above the Regulatory Action Leve

5.0 CONCLUSIONS & RECOMMENDATIONS

Karl Environmental collected fifty-nine (59) first draw samples from drinking water sources throughout the Somerset County Vocational & Technical School Facilities. At the conclusion of the initial first draw sampling, all outlets were below the regulatory action level. The 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 must 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 maintenance, aerator maintenance, plumbing repairs/changes and any other pertinant information into the Field Log Book 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 thefore contain 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 school districts.

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

Angela Meas
Industrial Hygienist
Karl Environmental Group
Office: (610)-856-7700
Fax: (610)-856-5040
Cell: 484-345-9846
Email: ameas@karlenv.com

Attachment A
Laboratory Analysis Results and Chains of Custody

eurofins
Built Environment Testing
iATL

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	6/10/2025
	20 Lauck Road	Report No.:	714092 - Lead Water
	Mohnton PA 19540	Project:	Somerset LIW
		Project No.:	25-0666
Client:	KAR387		

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7849422 **Location:**FB **Result(ppb):**<1.00
Client No.:SVT-WC-A112 * Sample acidified to pH <2.

Lab No.:7849423 **Location:**FB **Result(ppb):**1.80
Client No.:SVT-WC-A109 * Sample acidified to pH <2.

Lab No.:7849424 **Location:**FB **Result(ppb):**Sample Not Received
Client No.:SVT-WC-A108 * Sample acidified to pH <2.

Lab No.:7849425 **Location:**Sink **Result(ppb):**<1.00
Client No.:SVT-WC-A107 * Sample acidified to pH <2.

Lab No.:7849426 **Location:**FB **Result(ppb):**<1.00
Client No.:SVT-FB-A107 * Sample acidified to pH <2.

Lab No.:7849427 **Location:**FB **Result(ppb):**<1.00
Client No.:SVT-WC-A106 * Sample acidified to pH <2.

Lab No.:7849428 **Location:**BF **Result(ppb):**<1.00
Client No.:SVT-WC-A105 * Sample acidified to pH <2.

Lab No.:7849429 **Location:**FB **Result(ppb):**<1.00
Client No.:SVT-FB-A105 * Sample acidified to pH <2.

Lab No.:7849430 **Location:**FB **Result(ppb):**1.20
Client No.:SVT-WC-A104 * Sample acidified to pH <2.

Lab No.:7849431 **Location:**FB **Result(ppb):**1.00
Client No.:SVT-WC-A103 * Sample acidified to pH <2.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 6/3/2025
Date Analyzed: 06/10/2025
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld
Frank E. Ehrenfeld, III
Laboratory Director

Dated : 6/10/2025 4:53:43

eurofins
Built Environment Testing
iATL

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	6/10/2025
	20 Lauck Road	Report No.:	714092 - Lead Water
	Mohnton PA 19540	Project:	Somerset LIW
		Project No.:	25-0666
Client:	KAR387		

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7849432 | **Location:**FB | **Result(ppb):**8.40
Client No.:SVT-WC-A102 | * Sample acidified to pH <2.

Lab No.:7849433 | **Location:**FB | **Result(ppb):**<1.00
Client No.:SVT-WC-A101 | * Sample acidified to pH <2.

Lab No.:7849434 | **Location:**FB | **Result(ppb):**<1.00
Client No.:SVT-FB-HALLB-211 | * Sample acidified to pH <2.

Lab No.:7849435 | **Location:**BF | **Result(ppb):**<1.00
Client No.:SVT-WC-HALLD-211 | * Sample acidified to pH <2.

Lab No.:7849436 | **Location:**BF | **Result(ppb):**<1.00
Client No.:SVT-WE-HALLB-108 | * Sample acidified to pH <2.

Lab No.:7849437 | **Location:**FB | **Result(ppb):**<1.00
Client No.:SVT-FB-HALLB-108 | * Sample acidified to pH <2.

Lab No.:7849438 | **Location:**FB | **Result(ppb):**<1.00
Client No.:SVT-WC-HALLB-102 | * Sample acidified to pH <2.

Lab No.:7849439 | **Location:**Sink | **Result(ppb):**<1.00
Client No.:SVT-S-B100 | * Sample acidified to pH <2.

Lab No.:7849440 | **Location:**WC | **Result(ppb):**<1.00
Client No.:SVT-WC-B100 | * Sample acidified to pH <2.

Lab No.:7849441 | **Location:**Sink | **Result(ppb):**<1.00
Client No.:SVT-S-224D | * Sample acidified to pH <2.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:	6/3/2025	Approved By:	Frank E. Ehrenfeld, III
Date Analyzed:	06/10/2025		Laboratory Director
Signature:	Chad Shaffer		
Analyst:	Chad Shaffer		

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

Built Environment Testing
iATL

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	6/10/2025
	20 Lauck Road	Report No.:	714092 - Lead Water
	Mohnton PA 19540	Project:	Somerset LIW
		Project No.:	25-0666
Client:	KAR387		

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7849442 | **Location:**BF | **Result(ppb):**<1.00
Client No.:SVT-WC1-HALLD224 | * Sample acidified to pH <2.

Lab No.:7849443 | **Location:**FB | **Result(ppb):**<1.00
Client No.:SVT-WC2-HALLD224 | * Sample acidified to pH <2.

Lab No.:7849444 | **Location:**FB R | **Result(ppb):**<1.00
Client No.:SVT-WC1-HALLD-121 | * Sample acidified to pH <2.

Lab No.:7849445 | **Location:**FB L | **Result(ppb):**<1.00
Client No.:SVT-WC2-HALLD-121 | * Sample acidified to pH <2.

Lab No.:7849446 | **Location:**FB | **Result(ppb):**<1.00
Client No.:SVT-FB-HALLD100 | * Sample acidified to pH <2.

Lab No.:7849447 | **Location:**BF | **Result(ppb):**<1.00
Client No.:SVT-WC-HALL100D | * Sample acidified to pH <2.

Lab No.:7849448 | **Location:**FB | **Result(ppb):**<1.00
Client No.:SVT-FB-HALLAD202 | * Sample acidified to pH <2.

Lab No.:7849449 | **Location:**BF | **Result(ppb):**<1.00
Client No.:SVT-WC-HALL202-AD | * Sample acidified to pH <2.

Lab No.:7849450 | **Location:**WC | **Result(ppb):**<1.00
Client No.:SVT-WC-ADMIN-KIT | * Sample acidified to pH <2.

Lab No.:7849451 | **Location:**Sink | **Result(ppb):**<1.00
Client No.:SVT-S-ADMIN-KIT | * Sample acidified to pH <2.

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:	6/3/2025	Approved By:	Frank Ehrenfeld
Date Analyzed:	06/10/2025		Frank E. Ehrenfeld, III
Signature:	Chad Shaffer		Laboratory Director
Analyst:	Chad Shaffer		

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

eurofins Built Environment Testing iATL

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group 20 Lauck Road Mohnton PA 19540	Report Date: Report No.: Project: Project No.:	6/10/2025 714092 - Lead Water Somerset LIW 25-0666
Client:	KAR387		

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No. / Client No.	Location	Result(ppb)
Lab No.: 7849452 **Client No.:** SVT-WC-HALLE107	**Location:** BF * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849453 **Client No.:** SVT-FB-HALLE107	**Location:** FB * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849454 **Client No.:** SVT-NURSE	**Location:** WC * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849455 **Client No.:** SVT-WC-C100	**Location:** BF * Sample acidified to pH <2.	**Result(ppb):** Sample Not Received
Lab No.: 7849456 **Client No.:** SVT-WC-BUILDC-LOBBY	**Location:** BF * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849457 **Client No.:** SVT-FB-BUILDC-LOBBY	**Location:** FB * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849458 **Client No.:** SVT-SK1-CUL.ART-KIT	**Location:** Sink Coffee * Sample acidified to pH <2.	**Result(ppb):** 6.40
Lab No.: 7849459 **Client No.:** SVT-SK2-CUL.ART-KIT	**Location:** Island 1 Sink * Sample acidified to pH <2.	**Result(ppb):** 1.30
Lab No.: 7849460 **Client No.:** SVT-SK3-CUL.ART-KIT	**Location:** Island 2 Sink * Sample acidified to pH <2.	**Result(ppb):** 1.90
Lab No.: 7849461 **Client No.:** SVT-S01-CUL.ART-KIT	**Location:** Island 3 Sink * Sample acidified to pH <2.	**Result(ppb):** <1.00

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:	6/3/2025	Approved By:	Frank E. Ehrenfeld, III Laboratory Director
Date Analyzed:	06/10/2025		
Signature:	Chad Shaffer		
Analyst:	Chad Shaffer		

eurofins
Built Environment Testing
iATL

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	6/10/2025
	20 Lauck Road	Report No.:	714092 - Lead Water
	Mohnton PA 19540	Project:	Somerset LIW
		Project No.:	25-0666
Client:	KAR387		

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No. / Client No.	Location	Result(ppb)
Lab No.: 7849462 **Client No.:** SVT-S02-CUL.ART-KIT	**Location:** Sink Far Wall * Sample acidified to pH <2.	**Result(ppb):** 1.40
Lab No.: 7849463 **Client No.:** SVT-CM2-PREPKIT	**Location:** Sink R * Sample acidified to pH <2.	**Result(ppb):** 2.00
Lab No.: 7849464 **Client No.:** SVT-CM1-PREPKIT	**Location:** Sink L * Sample acidified to pH <2.	**Result(ppb):** 5.60
Lab No.: 7849465 **Client No.:** SVT-IM-PREPKIT	**Location:** Sink * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849466 **Client No.:** SVT-S01-CUL.ART.INSTR	**Location:** Sink Banquet Hall * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849467 **Client No.:** SVT-WC-HALLF202	**Location:** BF * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849468 **Client No.:** SVT-FB-HALLF202	**Location:** FB * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849469 **Client No.:** SVT-WC-HALLF207	**Location:** FB * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849470 **Client No.:** SVT-WC-HALLF103	**Location:** FB * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849471 **Client No.:** SVT-WC-F103	**Location:** Sink * Sample acidified to pH <2.	**Result(ppb):** <1.00

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:	6/3/2025	Approved By:	Frank E. Ehrenfeld, III
Date Analyzed:	06/10/2025		Laboratory Director
Signature:	Chad Shaffer		
Analyst:	Chad Shaffer		

eurofins
Built Environment Testing
iATL

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group 20 Lauck Road Mohnton PA 19540	Report Date:	6/10/2025
		Report No.:	714092 - Lead Water
		Project:	Somerset LIW
Client:	KAR387	Project No.:	25-0666

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7849472 **Client No.:**SVT-WC-F103-2	**Location:**WC * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7849473 **Client No.:**SVT-WC-HALLF109A	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**1.30
Lab No.:7849474 **Client No.:**SVT-WC-HALLG101B	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7849475 **Client No.:**SVT-WC-HALLG101A	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7849476 **Client No.:**SVT-WC-GYMLOBBY	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7849477 **Client No.:**SVT-IM-TRAINFGRM	**Location:**ICE * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7849478 **Client No.:**SVT-S-TRAINFGRM	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7849479 **Client No.:**SVT-WC-HEADHOUSE	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7849480 **Client No.:**SVT-WC-HEADHOUSE2	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7849481 **Client No.:**SVT-BLANK-BLDG-A	**Location:**BLANK * Sample acidified to pH <2.	**Result(ppb):**<1.00

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:	6/3/2025	Approved By:	Frank E. Ehrenfeld, III Laboratory Director
Date Analyzed:	06/10/2025		
Signature:	Chad Shaffer		
Analyst:	Chad Shaffer		

eurofins
Built Environment Testing
iATL

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group 20 Lauck Road Mohnton PA 19540	Report Date:	6/10/2025
		Report No.:	714092 - Lead Water
		Project:	Somerset LIW
Client:	KAR387	Project No.:	25-0666

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7849482 **Client No.:** SVT-BLANK-BLDG-B	**Location:** BLANK * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849483 **Client No.:** SVT-BLANK-BLDG-C	**Location:** BLANK * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849484 **Client No.:** SVT-BLANK-BLDG-D	**Location:** BLANK * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849485 **Client No.:** SVT-BLANK-BLDG-E	**Location:** BLANK * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849486 **Client No.:** SVT-BLANK-BLDG-F	**Location:** BLANK * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849487 **Client No.:** SVT-BLANK-BLDG-ADMIN	**Location:** BLANK * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849488 **Client No.:** SVT-WC-HALLB108C	**Location:** Additional Sample Received * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7849489 **Client No.:** SVT-BLANK-BLDG-G	**Location:** Additional Sample Received * Sample acidified to pH <2.	**Result(ppb):** <1.00

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received:	6/3/2025	Approved By:	Frank E. Ehrenfeld, III Laboratory Director
Date Analyzed:	06/10/2025		
Signature:	Chad Shaffer		
Analyst:	Chad Shaffer		

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	6/10/2025
	20 Lauck Road	Report No.:	714092 - Lead Water
	Mohnton PA 19540	Project:	Somerset LIW
		Project No.:	25-0666
Client:	KAR387		

Appendix to Analytical Report:

Customer Contact: Mike Karl
Analysis: AAS-GF - ASTM D3559-15D

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL OfficeManager: ?wchampion@iatl.com
iATL Account Representative: Shirley Clark
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Water
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by AAS Graphite Furnace:
- ASTM D3559-15D

Certification:
- NYS-DOH No. 11021
- NJDEP No. 03863

Note: These methods are analytically equivalent to iATL's accredited method;

- USEPA 40CFR 141.11B
- USEPA 200.9 Pb, AAS-GF, RL <2 ppb/sample
- USEPA SW 846-7421 - Pb(AAS-GF, RL <2 ppb/sample)

Regulatory limit for lead in drinking water is 15.0 parts per billion as cited in EPA 40 CFR 141.11 National Primary Drinking Water Regulations, Subpart B: Maximum contaminant levels for inorganic chemicals.

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Sample results are not corrected for contamination by field or analytical blanks.

PPB = Parts per billion. 1 µg/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 1.0 PPB

9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	6/10/2025
	20 Lauck Road	Report No.:	714092 - Lead Water
	Mohnton PA 19540	Project:	Somerset LIW
Client:	KAR387	Project No.:	25-0666

Disclaimers / Qualifiers:

There may be some samples in this project that have a “NOTE:” associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at **customerservice@iatl.com.**

Matrix spiking is performed on each client batch to determine if interferences could impact results. When spike recoveries fall out of acceptable range matrix interference is suspected and samples are diluted until acceptable spike recovery can be achieved. Reporting limits will increase by the same degree as the dilution required.

Note: Sample dilution required due to matrix interference.

Water Sample Turbidity greater than 1.0 NTU does not meet Federal and NJ State Primary & Secondary Drinking Water Standards.

* ASTM D3559 (D) calls for the addition of acid at the time of sampling. Unless so noted on the chain of custody by the client iATL acidifies samples to a pH of <2 at least 24 hours prior to analysis.

iATL INTERNATIONAL ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

67

004095158

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Karl Environmental	**Project Number:**	25-0666
Office Address:	20 Lauck Road	**Project Name:**	Somerset LSW
City, State, Zip:	Mohnton PA 19540	**Primary Contact:**	Barry M. Hunsberger
Fax Number:	610-856-5040	**Office Phone:**	610-856-7700
Email Address:	bhunsberger@karlenv.com	**Cell Phone:**	484-269-7870

iATL is accredited by the National Lead Laboratory Accreditation Program (NLLAP) to perform analytical testing of environmental samples for lead (Pb). The accreditation is through AIHA-LAP, LLC and several other nationally recognized state programs.

Matrix/Method:

- ☐ Paint by AAS: ASTM D3335-85a, 2009
- ☐ Wipe/Dust by AAS: SW 846: 3050B: 700B, 2010
- ☐ Air by AAS: NIOSH 7082, 1994
- ☐ Soil by AAS: EPA SW 846 (Soil)
- ☒ Water by AAS-GF: ASTM D3559-03D, US EPA 200.9
- ☐ Other Metals (Cd, Zn, Cr) by AAS
- ☐ Toxicity Characteristic Leaching Procedure (TCLP) by AAS: US EPA 1311
- ☐ Other ____________

Special Instructions: 200.8

Turnaround Time

Preliminary Results Requested Date: ____________ ☐ Verbal ☐ Email ☐ Fax

Specific date / time

☐ 10 Day ☒ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

Chain of Custody

Relinquished (Name/Organization):	Karl Environmental	Date: 06/03/25	Time:
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):		Date:	Time:
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released: ____	QA/QC InterLAB Use: ____	Date:	Time:

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 25-0666

Sampling Date/Time: 06/03/25

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
SVT-WC-A112	7849422	FB				250mL	
SVT-WC-A109	7849423	FB				250mL	
☆SVT-WC-A108	7849424	FB				250mL	
SVT-WC-A107	7849425	Snk				250mL	
SVT-FB-A107	7849426	FB				250mL	
SVT-WC-A106	7849427	FB				250mL	
SVT-WC-A105	7849428	BF				250mL	
SVT-FB-A105	7849429	FB				250mL	
SVT-WC-A104	7849430	FB				250mL	
SVT-WC A-103	7849431	FB				250mL	
SVT-WC-A-102	7849432	FB				250mL	
SVT-WC-A-101	7849433	FB				250mL	
SVT-FB-HA11B-211	7849434	FB				250mL	
*SVT-WC-HA11D-211	7849435	BF				250mL	
SVT-WC-HA11B-108	7849436	BF				250mL	

** = Insufficient Sample Provided to Perform QC Reanalysis.(<200mg)*
*** = Insufficient Sample Provided to Analyze (<50mg) ***= Matrix / Substrate Interference Possible*
FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.
These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

*labeled SVT-WC-HA11B-211

iATL 7849424

☆Sample not rec

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 25-0666

Sampling Date/Time: 06/03/25

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
SVT-FB-HALLB-108		FB	7849437			250 mL	
SVT-WC-HALLB-102		FB	7849438			250 mL	
SVT-SB100		Sink	7849439			250 mL	
SVT-WC-B100		WC	7849440			250 mL	
SVT-S-224D		Sink	7849441			250 mL	
SVT-WC1-HALLD224 D		BF	7849442			250 mL	
SVT-WC2-HALLD224		FB	7849443			250 mL	
SVT-WC1-HALLD-121		FBR	7849444			250 mL	
SVT-WC2 HALLD-121		FB L	7849445			250 mL	
SVT-~~FB~~-HALLD100		FB	7849446			250 mL	
SVT-WC-HALL100 D		BF	7849447			250 mL	
SVT-FB-HALLAD202		FB	7849448			250 mL	
SVT-WC-HALL 202-AD		BF	7849449			250 mL	
SVT-WC-ADMIN-KIT		WC	7849450			250 mL	
SVT-S-ADMIN KIT		Smk	7849451			250 mL	

* = *Insufficient Sample Provided to Perform QC Reanalysis (<200mg)*
** = *Insufficient Sample Provided to Analyze (<50mg)* *** = *Matrix / Substrate Interference Possible*
FB = Method Requires the submittal of blank(s). *ML = Multi Layered Sample. May result in inconsistent results.*

These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 25-0666

Sampling Date/Time: 06/03/25

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
SVT-WC-HALLE/07		BF	7849452			250mL	
SVT-FB-HALLE/07		FB	7849453			250mL	
SVT- NURSE		WC	7849454			250mL	
& SVT-WC-C100		BF	7849455			250mL	
SVT- ~~FB-C100~~		~~FB~~	~~784945?~~			~~250~~	
SVT-WC-BUILDC-LOBBY		BF	7849456			250mL	
SVT FB-BUILDC-LOBBY		FB	7849457			250mL	
SVT-SK1-CUL.ART-KIT		Sink Coffee	7849458			250mL	
SVT-SK2-CULART-KIT		Island1 Sink	7849459			250mL	
SVT-SK3-CULARTKIT		Island2Sink	7849460			250mL	
SVT-S01-CULARTKIT		Island3 Sink	7849461			250mL	
SVT-S02-CULART KIT		Sink far Wall	7849462			250mL	
SVT- CM2-PREPKIT		Sink R	7849463			250mL	
SVT- CM1-PREPKIT		Sink L	7849464			250mL	
SVT- 1M-Prep KIT		Sink	7849465			250mL	

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)
** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible
FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.
These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

iATL 7849455

...ating more than 30 years…one sample at a time
www.iatl.com

& Sample not recd

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 25-0666

Sampling Date/Time: 06/03/25 Somerset Cw

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
SVT-S01-CULART-INSTR		Sink Banquet Hall		7849466		250mL	
SVT-WC-HALLF202		BF		7849467		250mL	
SVT-FB-HALLF202		FB		7849468		250mL	
SVT-WC-HALLF207		FB		7849469		250mL	
SVT-WC HALLF103		FB		7849470		250mL	
SVT-WC-F103		SINK		7849471		250mL	
SVT-WC-F1032		W.C		7849472		250mL	
SVT-WC-HALLF109A		FB		7849473		250mL	
SVT-WC-HALLG101B		FB		7849474		250mL	
SVT WC-HALLG101A		BF		7849475		250mL	
SVT WC-GYM LOBBY		FB		7849476		250mL	
SVT ~~WC-[illegible] LOCKER~~		~~FB~~				~~250mL~~	
SVT-IM-TRAINFGRM		ICE		7849477		250mL	
SVT-S-TRAININGGRM		Sink		7849478		250mL	
SVT-WC-HEADHOUSE		FB		7849479		250mL	

* = *Insufficient Sample Provided to Perform QC Reanalysis (<200mg)*
** = *Insufficient Sample Provided to Analyze (<50mg)* ***= *Matrix / Substrate Interference Possible*
FB = Method Requires the subdittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

iATL
INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Sample Log

–Environmental Lead –

Client: 25-0666 Project: 25-0666

Somerset WW

Sampling Date/Time: 06/03/25

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
SVT-WC-HeadHouse2		BF	7849480			250mL	
SVT-Blank-BLDGA		Blank	7849481			250mL	
SVT-Blank-BLDGB		BLANK	7849482			250mL	
SVT-Blank-BLDGC		BLANK	7849483			250mL	
SVT-BLANK-BLDG-D		BLANK	7849484			250mL	
SVT-BLANK-BLDG-E		BLANK	7849485			250mL	
SVT-BLANK-BLDG-F		BLANK	7849486			250mL	
SVT-BLANK-BLDG-ADMIN		Blank	7849487			250mL	
Add- samples rcvd							
SVT-WC- HALL B108C		7849488					
SVT- BLANK -BLDG-G		7849489					

** = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)*
*** = Insufficient Sample Provided to Analyze (<50mg) ***= Matrix / Substrate Interference Possible*
FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.