PARTNER
Engineering and Science, Inc.

More Than Just Assessments.
Solutions.

DRINKING WATER SAMPLING REPORT

Green Hill Elementary School

69 Mackerley Road,
Greendell, New Jesrey 07839

Report Date

September 12, 2024

Partner Project No.

23-431380.1

Prepared for:

Green Hill Elementary School

PARTNER

September 12, 2024

Michael Housel
Green Hill Elementary School
69 Makerly Road, P.O. Box 14
Greendell, NJ 07839

Subject: Drinking Water Sampling Report
Green Hill Elementary School
69 Mackerly Road
Greendell, New Jersey 07839
Partner Project No. 23-431380.1

Dear Mr. Housel,

Partner Engineering and Science, Inc. (Partner) is pleased to provide the *Drinking Water Sampling* of the abovementioned address (the "Subject Property"). This sampling event was performed in general conformance with the scope and limitations as detailed in our fee proposal. This inspection included a site reconnaissance as well as sampling and analysis. An assessment was made, conclusions stated, and recommendations outlined, as required.

This survey included a site reconnaissance as well as sampling and analysis. An assessment was conducted, conclusions stated, and recommendations outlined, as necessary.

We appreciate the opportunity to provide industrial hygiene services to Green Hill Elementary School. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (908) 497-8904.

Sincerely,

Partner Engineering and Science, Inc.

Dan Bracey, CIH, CSP, CHMM
Technical Director
Industrial Hygiene & Health and Safety Services

EXECUTIVE SUMMARY

Partner presents our report for this Drinking Water Sampling Report of Green Hill Elementary School located at 69 Mackerly Rd, Greendell on August 7, 2024. Samples were collected according to the "New Jersey Department of Education N.J.A.C. 6A:26" requirements for testing of lead in New Jersey Schools and the "USEPA 3Ts for Reducing Lead in Drinking Water in Schools" recommendations, as well as the Safe Drinking Water Act of 1974.

The first sample at each fixture was a "first draw" which was collected directly from the fixture without letting the water run or flush. The second sample was collected after letting the water run (flush) for thirty seconds. This sample evaluates the lead in water from the water purveyor and the pipes outside the building. The samples collected were analyzed by EMSL Analytical Inc. located in Cinnaminson, New Jersey for analysis of lead content using USEPA Method 200.8 for lead in drinking water. The action level for lead has been set at 15 parts per billion (ppb). According to the USEPA, given present technology and resources, this level is the lowest level to which water systems can reasonably be required to control this contaminant should it be present in drinking water.

Sample analysis indicated that measured lead concentrations did not exceed the USEPA Action Level of 15 ppb for lead at Green Hill Elementary School. No further action is recommended at this time. If additional outlets are added, or changes to existing outlets occur, the Client must perform lead sampling for those outlets.

TABLE OF CONTENTS

The following Appendices are attached at the end of this report.

Appendices

1.0 INTRODUCTION

1.1 Subject Property Description

Address:	69 Mackerley Road, Greendell, NJ 07839
Nature of Use:	School
Walk-Through Inspector:	Gianna Sandull
Walk-Through Date:	July 18, 2024
Sampling Conducted By:	Gianna Sandull Juan Jimenez
Sampling Date :	August 7, 2024

1.2 Purpose and Scope

The purpose of this drinking water sampling event was to sample and analyze drinking water for a determination of lead content for comparison with the USEPA Action Level as defined by the National Primary Drinking Water Regulations (NPDWR - 40 CFR Chapter I, Part 141), in addition to the "New Jersey Department of Education N.J.A.C. 6A:26" requirements for testing of lead in New Jersey Schools and the "USEPA 3Ts for Reducing Lead in Drinking Water in Schools". The NPDW set a Maximum Contaminant Level Goal (MCLG) for each listed contaminant, which identifies a level of that contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals. The MCLG for lead has been set at zero ppb. Since lead contamination generally occurs from corrosion of onsite lead pipes, or lead-based solder on fittings and fixtures, it cannot be directly detected or removed by the municipal water system. Instead, the USEPA is requiring municipal water systems to control the corrosiveness of their water if the level of lead at the tap exceeds an Action Level.

The action level for lead has been set at 15 parts per billion (ppb). According to the NPDWR Lead and Copper Rule (LCR), given present technology and resources, this level is the lowest level to which water systems can reasonably be required to control this contaminant should it be present in drinking water.

2.0 METHODOLOGY

Select drinking water samples were collected according to the "New Jersey Department of Education N.J.A.C. 6A:26" requirements for testing of lead in New Jersey Schools and the "USEPA 3Ts for Reducing Lead in Drinking Water in Schools" recommendations, as well as the LCR Monitoring requirements for lead in tap water (40 CFR Part 141, Subpart I, § 141.86(b)).

The first sample at each fixture was a "first draw" which was collected directly from the fixture without letting the water run or flush. The second sample was collected after letting the water run (flush) for thirty seconds. This sample evaluates the lead in water from the water purveyor and the pipes outside the building. Ideally, the water had not been used for the past eight hours prior to sampling and not longer than 48 hours prior to sampling. Partner made a reasonable effort to determine whether the stagnation preconditions were able to be met prior to conducting sampling.

Sample bottles were provided by EMSL Analytical, Inc. located in Cinnaminson, New Jersey with an appropriate preservative for lead in drinking water sampling. After collection, sample bottles were labeled with a unique identifier and transferred under chain of custody conditions to EMSL Analytical, Inc. located in Cinnaminson, New Jersey for analysis by USEPA Method 200.8. The laboratory results and chain of custody are contained in Appendix B.

3.0 ANALYTICAL RESULTS / CONCLUSIONS AND RECOMMENDATIONS

During the course of this site visit, Partner collected water samples at 15 location. Partner did not attempt to disassemble mechanical equipment, open plumbing pipe chases, or assess materials within wall voids. Sample names and their respective locations were updated from the 2021 sampling event based on relevant known plumbing information as provided by the Green Hill Elementary School and the site guide.

Partner attempted to collect samples from the following outlets; however, based upon the condition of the outlet and recommendations from the site guide, a sample could not be collected at the following locations: GHE-BF-10 and GHE-WC-5.

A total of 30 drinking water samples were collected from Green Hill Elementary School on August 7, 2024. A total of 15 samples were analyzed. Table 1 lists the samples that exceeded the USEPA Action Level. The analytical results for all samples collected are listed in Table 2 in Appendix A. Sample locations are depicted on the diagram included in Appendix C.

Table 1: USEPA Analytical Results		
Sample Name	Location	Results (ppb)
GHE-WF-1	Outside Gym	ND
GHE-BF-2	Outside Gym	ND
GHE-S-3	Cafeteria	8.14
GHE-WF-4	Outside 214	2.39
GHE-S-6	Nurse	8.07
GHE-S-7	Main Office	ND
GHE-S-8	Central Office	ND
GHE-S-9	Across 104	ND
GHE-S-11	304 Faculty	ND
GHE-WF-12	Across 318	1.42
GHE-WF-13	Across 307	ND
GHE-WF-14	Across 307	ND

Table 1: USEPA Analytical Results		
Sample Name	Location	Results (ppb)
GHE-WF-15	Across 307	ND
GHE-WF-16	Across 307	ND
GHE-S-17	Room 204	ND

ND= Not detected. Lead levels not detectred at the reporting limit (1 ppb)
1 ppb = 1 ug/L
BOLD = Exceedeances above USEPA Action Level of 15 ppb

3.1 Conclusions and Recommendations

Sample analysis indicated that measured lead concentrations did not exceed the USEPA Action Level of 15 ppb for lead at No further action is recommended at this time. If additional outlets are added, or changes to existing outlets occur, the Client must perform lead sampling for those outlets.

4.0 LIMITING CONDITIONS

No warranties expressed or implied, are made by Partner or its subcontractor, EMSL Analytical, Inc., or their employees as to the use of any information, apparatus, product, or process disclosed in this report. Every reasonable effort has been made to assure correctness. This survey is limited by the scope discussed by the client. It was prepared for the sole use and benefit of the Client. Neither this report nor any of the information contained herein shall be used or relied upon for any purpose by any persons or entities other than the Client.

Property and climate conditions, as well as local, state, and federal regulations, can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this study apply strictly to the environmental regulations and property conditions existing at the time the study was performed. Available information has been analyzed using currently accepted industry assessment techniques and it is believed that the inferences made are reasonably representative of the property. Partner and its subcontractor EMSL Analytical, Inc. and their employees/representatives bear no responsibility for the actual condition of the structure or safety of this site pertaining to water quality contamination regardless of the actions taken by the inspection team or the client. Partner makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted assessment practices applicable at the time and location of the study.

5.0 SIGNATURES OF PROFESSIONALS

Partner has performed lead-in-drinking water sampling on the property at Green Hill Elementary School, 69 Mackerley Road, Greendell, NJ in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

Prepared By:

Partner Engineering and Science, Inc.

Juan Jimenez
Industrial Hygienist

Reviewed by:

Daniel Bracey, CIH, CSP, CHMM
Technical Director

APPENDIX A: TABLE 2 – ANALYTICAL RESULTS TABLE

Table 2: Analytical Results		
Sample Name	Location	Results (ppb)
GHE-WF-1	Outside Gym	ND
GHE-BF-2	Outside Gym	ND
GHE-S-3	Cafeteria	8.14
GHE-WF-4	Outside 214	2.39
GHE-S-6	Nurse	8.07
GHE-S-7	Main Office	ND
GHE-S-8	Central Office	ND
GHE-S-9	Across 104	ND
GHE-S-11	304 Faculty	ND
GHE-WF-12	Across 318	1.42
GHE-WF-13	Across 307	ND
GHE-WF-14	Across 307	ND
GHE-WF-15	Across 307	ND
GHE-WF-16	Across 307	ND
GHE-S-17	Room 204	ND

ND= Not detected. Lead levels not detected above the reporting limit (0.3430 ppb)

1 ppb = 1 ug/L

BOLD = Exceedances above USEPA Action Level 15 ppb

APPENDIX B: LABORATORY ANALYSIS AND CHAIN-OF-CUSTODY

EMSL Analytical, Inc.

200 Route 130, Cinnaminson, NJ, 08077
Telephone: 856-858-4800 Fax:856-786-5974
EMSL-CIN-01

EMSL Order ID: 012426469
LIMS Reference ID: AC26469
EMSL Customer ID: 32PRTN78G

Attention: Angelica Rosa Perez
Partner Engineering and Science, Inc. [32PRTN78G]
611 Industrial Way West
Eatontown, New Jersey 07724
(732) 403-5869
arosaperez@partnersi.com

Project Name: 24-431380 / Green Hill Elementary

Customer PO:
EMSL Sales Rep: Christopher Brandt
Received: 08/07/2024 12:30
Reported: 08/26/2024 18:28

Analytical Results

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: GHE-WF-1/Outside Gym		**Lims Reference ID:**		**AC26469-01**	**Matrix: Drinking Water**				**Sampled: 08/07/24 07:48:00**
Metals									
Lead	ND		1	1.00	µg/L	08/19/24 13:09	08/22/24 14:22	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: GHE-BF-2/Outside Gym		**Lims Reference ID:**		**AC26469-03**	**Matrix: Drinking Water**				**Sampled: 08/07/24 07:49:00**
Metals									
Lead	ND		1	1.00	µg/L	08/19/24 13:09	08/22/24 14:25	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: GHE-S-3/Cafeteria		**Lims Reference ID:**		**AC26469-05**	**Matrix: Drinking Water**				**Sampled: 08/07/24 07:55:00**
Metals									
Lead	8.14		1	1.00	µg/L	08/19/24 13:09	08/22/24 14:33	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: GHE-WF-4/Outisde 214		**Lims Reference ID:**		**AC26469-07**	**Matrix: Drinking Water**				**Sampled: 08/07/24 07:57:00**
Metals									
Lead	2.39		1	1.00	µg/L	08/22/24 14:37	08/26/24 12:59	PL	EPA 200.8 (DA)/EPA 200.8
Sample: GHE-S-6/Nurse		**Lims Reference ID:**		**AC26469-09**	**Matrix: Drinking Water**				**Sampled: 08/07/24 08:00:00**
Metals									
Lead	8.07		1	1.00	µg/L	08/22/24 14:37	08/26/24 13:05	PL	EPA 200.8 (DA)/EPA 200.8
Sample: GHE-S-7/Main Office		**Lims Reference ID:**		**AC26469-11**	**Matrix: Drinking Water**				**Sampled: 08/07/24 08:02:00**
Metals									
Lead	ND		1	1.00	µg/L	08/22/24 14:37	08/26/24 13:06	PL	EPA 200.8 (DA)/EPA 200.8
Sample: GHE-S-8/Central Office		**Lims Reference ID:**		**AC26469-13**	**Matrix: Drinking Water**				**Sampled: 08/07/24 08:04:00**
Metals									
Lead	ND		1	1.00	µg/L	08/22/24 14:37	08/26/24 13:08	PL	EPA 200.8 (DA)/EPA 200.8
Sample: GHE-WF-9/Across 104		**Lims Reference ID:**		**AC26469-15**	**Matrix: Drinking Water**				**Sampled: 08/07/24 08:07:00**
Metals									
Lead	ND		1	1.00	µg/L	08/19/24 13:18	08/21/24 20:01	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: GHE-S-11/304 Faculty		**Lims Reference ID:**		**AC26469-17**	**Matrix: Drinking Water**				**Sampled: 08/07/24 08:19:00**
Metals									
Lead	ND		1	1.00	µg/L	08/19/24 13:18	08/21/24 20:03	LXK	EPA 200.8 (DA)/EPA 200.8

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LIMS Reference ID: AC26469
EMSL Customer ID: 32PRTN78G

Attention: Angelica Rosa Perez
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611 Industrial Way West
Eatontown, New Jersey 07724
(732) 403-5869
arosaperez@partnersi.com

Project Name: 24-431380 / Green Hill Elementary
Customer PO:
EMSL Sales Rep: Christopher Brandt
Received: 08/07/2024 12:30
Reported: 08/26/2024 18:28

Analytical Results
(Continued)

Analyte	Result	Q	DF	RL	Units	Prepared Date/Time	Analyzed Date/Time	Analyst Initials	Prep /Analytical Method
Sample: GHE-WF-12/Across 318		**Lims Reference ID:**		**AC26469-19**	**Matrix: Drinking Water**				**Sampled: 08/07/24 08:21:00**
Metals									
Lead	**1.42**		1	1.00	µg/L	08/19/24 13:18	08/21/24 20:05	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: GHE-WF-13/Across 307		**Lims Reference ID:**		**AC26469-21**	**Matrix: Drinking Water**				**Sampled: 08/07/24 08:25:00**
Metals									
Lead	**ND**		1	1.00	µg/L	08/19/24 13:18	08/21/24 20:07	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: GHE-WF-14/Across 307		**Lims Reference ID:**		**AC26469-23**	**Matrix: Drinking Water**				**Sampled: 08/07/24 08:26:00**
Metals									
Lead	**ND**		1	1.00	µg/L	08/19/24 13:18	08/21/24 20:09	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: GHE-WF-15/Across 307		**Lims Reference ID:**		**AC26469-25**	**Matrix: Drinking Water**				**Sampled: 08/07/24 08:27:00**
Metals									
Lead	**ND**		1	1.00	µg/L	08/19/24 13:18	08/21/24 20:11	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: GHE-WF-16/Across 307		**Lims Reference ID:**		**AC26469-27**	**Matrix: Drinking Water**				**Sampled: 08/07/24 08:28:00**
Metals									
Lead	**ND**		1	1.00	µg/L	08/19/24 13:18	08/21/24 20:13	LXK	EPA 200.8 (DA)/EPA 200.8
Sample: GHE-S-17/Room 204		**Lims Reference ID:**		**AC26469-29**	**Matrix: Drinking Water**				**Sampled: 08/07/24 08:16:00**
Metals									
Lead	**ND**		1	1.00	µg/L	08/19/24 13:18	08/21/24 20:19	LXK	EPA 200.8 (DA)/EPA 200.8

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Certified Analyses included in this Report

Analyte	Certifications
EPA 200.8 in Drinking Water	
Lead	NJDEP

List of Certifications

Code	Description	Number	Expires
PADEP	Pennsylvania Department of Environmental Protection	68-00367	11/30/2024
NYSDOH	New York State Department of Health	10872	04/01/2025
NJDEP	New Jersey Department of Environmental Protection	03036	06/30/2024
MADEP	Massachusetts Department of Environmental Protection	M-NJ337	06/30/2024
CTDPH	Connecticut Department of Public Health	PH-0270	06/23/2024
California ELAP	California Water Boards	1877	06/30/2024
AIHA LAP	EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC-ELLAP Accredited	100194	01/01/2025
A2LA	A2LA Environmental Certificate	2845.01	07/31/2024

Please see the specific Field of Testing (FOT) on www.emsl.com <http://www.emsl.com> for a complete listing of parameters for which EMSL is certified.

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Notes and Definitions

Item	Definition
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
NR	Spike/Surrogate showed no recovery.
Q	Qualifier
RL	Reporting Limit
Wet	Sample is not dry weight corrected.

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.

Owen McKenna Laboratory Manager or other approved signatory

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

AQ6469

EMSL Analytical, Inc.
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl.com

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Partner Engineering and Science, Inc.	Company Name:	Partner Engineering and Science, Inc.
Contact Name:	Angelica Rosaperez	Billing Contact:	Angelica Rosaperez
Street Address:	611 Industrial Way West Suite A	Street Address:	611 Industrial Way West, Suite A
City, State, Zip:	Eatontown NJ 07724	City, State, Zip:	Eatontown NJ 07724
Country:	US	Country:	US
Phone:	7323801700	Phone:	7323801700
Email(s) for Report:	arosaperez@partneresi.com	Email(s) for Invoice:	

Project Information

Project Name/No: 24-431380 Green Hill Elementary

Purchase Order:

EMSL LIMS Project ID: (If applicable, EMSL will provide)

US State where samples collected: NJ

State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)

Sampled By Name: Gianna Sanduil

Sampled By Signature:

No. of Samples in Shipment: 30

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☒ 2 Week Standard

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☐ % by wt. ☐ ppm (mg/kg) ☐ mg/cm²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☐
*Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☒ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐ ☒
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☒
Other:				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
GHE-WF-1	Outside Gym	250 mL	8/7 7:48
GHE-WF-1F			7:48
GHE-BF-2			7:49
GHE-BF-2F			7:49
GHE-S-3	Cafeteria		7:55

Method of Shipment:

Sample Condition Upon Receipt:

Relinquished by:	Date/Time:	Received by:	Date/Time
		(WI)	8.7.24@ 959 AM
		FEDEX	8/7/24 12:32
Relinquished by:	Date/Time:	Received by:	Date/Time
			8/7/24 15:34pm

Controlled Document - COC-25 Lead R16 4/19/2021

*6010C Available Upon Request

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

Rec'd PLS.

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

AC26469

EMSL Analytical, Inc.

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl.com

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

*ALL FLUSH (F) samples are on HOLD *

*If the initial sample is above 15ppb, analyze the Flush *

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
GHE-S-3F	cafeteria	250 mL	8/7 7:55
GHE-WF-4	outside 214		7:57
GHE-WF-4F	outside 214		7:58
GHE-S-6	nurse		8:00
GHE-S-6F	↓		8:01
GHE-S-7	main office		8:02
GHE-S-7F	↓		8:03
GHE-S-8	Central office		8:04
GHE-S-8F	↓		8:04
GHE-WF-9	Across 104		8:07
GHE-WF-9F	↓		8:07
GHE-BF-10 (won't working for sample)	↓		~~8:08~~
GHE-BF-10F	↓		~~8:08~~
GHE-S-11	304 faculty		8:19
GHE-S-11F	↓		8:19
GHE-WF-12	Across 318		8:21
GHE-WF-12F	↓		8:21
GHE-WF-13	Across 307		8:25
GHE-WF-13F	↓		8:25
GHE-WF-14	↓		8:26
GHE-WF-14F	↓		8:26
GHE-WF-15	↓		8:27
GHE-WF-15F	↓		8:27
GHE-WF-16	↓		8:28
GHE-WF-16F	↓	↓	8:29

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by:	Date/Time: ~~8/08/24~~ 8/07/24 12:30pm
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-25 Lead R16 4/19/2021

☐ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

AC26469

EMSL Analytical, Inc.

Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl.com

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Partner Engineering and Science, Inc.	Company Name:	Partner Engineering and Science, Inc.
Contact Name:	Angelica Rosaperez	Billing Contact:	Angelica Rosaperez
Street Address:	611 Industrial Way West Suite A	Street Address:	611 Industrial Way West, Suite A
City, State, Zip:	Eatontown NJ 07724	City, State, Zip:	Eatontown NJ 07724
Country:	US	Country:	US
Phone:	7323801700	Phone:	7323801700
Email(s) for Report:	arosaperez@partneresi.com	Email(s) for Invoice:	

Project Information

Project Name/No: 24-431380 GreenHill Elementary

Purchase Order:

EMSL LIMS Project ID: (If applicable, EMSL will provide)

US State where samples collected: NJ

State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)

Sampled By Name: Gianna Sandell

Sampled By Signature:

No. of Samples in Shipment: 30

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☒ 2 Week standard

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☐ % by wt. ☐ ppm (mg/kg) ☐ mg/cm²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☐
*Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☒ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☒
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☒
Other:				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
GHE-S-17	Room 204	250 mL	8/7 8:16
GHE-S-17F	↓	↓	8:16
			↓

Method of Shipment:

Sample Condition Upon Receipt:

Relinquished by:	Date/Time:	Received by:	Date/Time
		(WI)	8.7.24@959 AM
Relinquished by:	Date/Time:	Received by:	Date/Time
		EMSL	8/7/24 1230pm
			8/7/24 12:30pm

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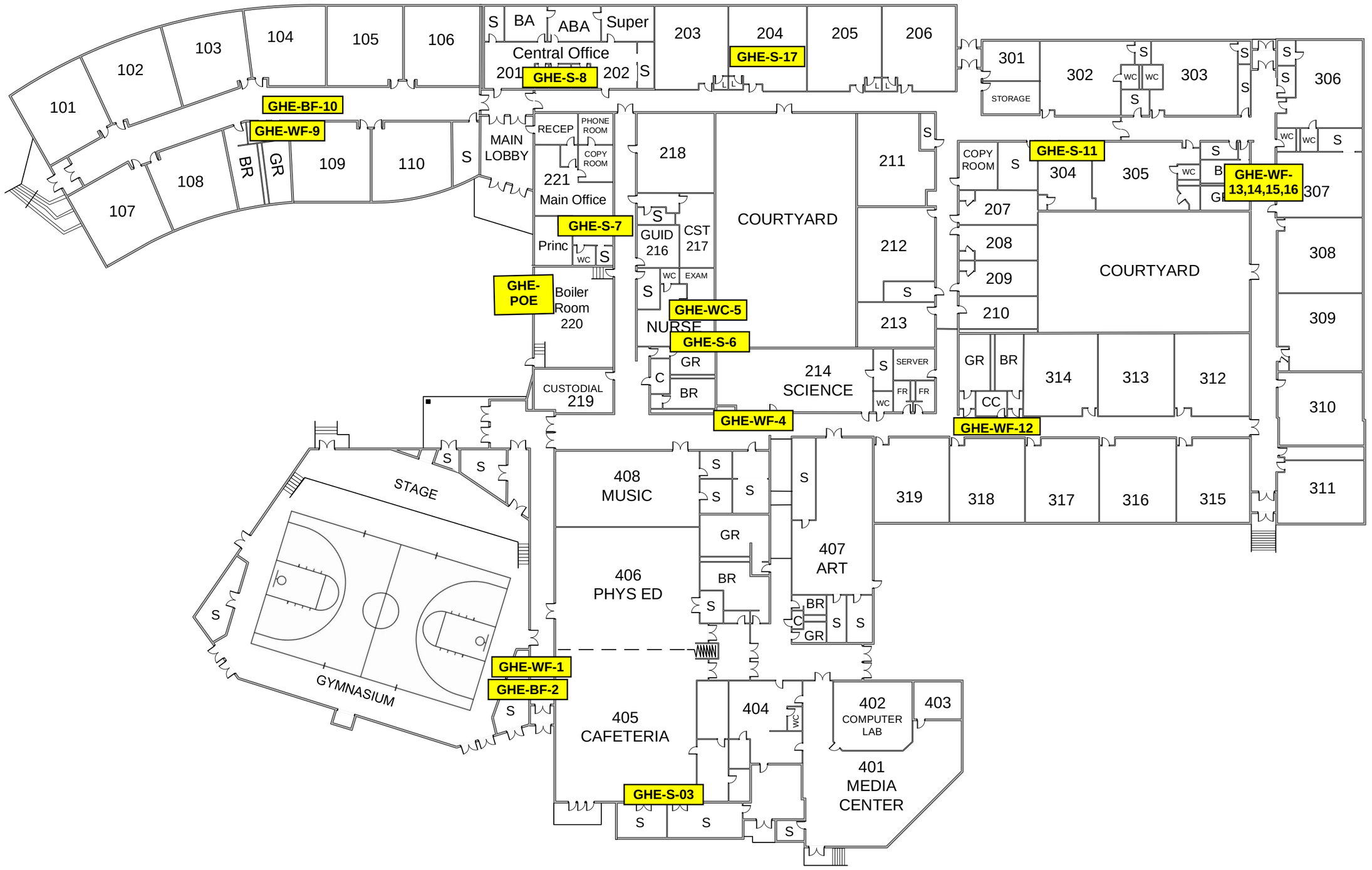
*6010C Available Upon Request

☐ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

APPENDIX C: SAMPLE LOCATION DIAGRAM



OPERATIONS DEPARTMENT

Green Hills ES

Building

Title

Revisions

Description	Date

Approvals

Operations	
Technology	
Principal	
Other	

Sheet

Date	
Scale	NTS
Drawn	SPS

Drawing #