LIMITED LEAD AND COPPER IN DRINKING WATER SAMPLING

Forest Park Middle School
CCPS No. 2054
930 Finley Drive
Forest Park, GA 30297

GLE Project No.: 18000-18861

Prepared for:

Clayton County Public Schools
1058 Fifth Avenue
Jonesboro, Georgia 30236

October 2018

Prepared by:

1100 Spring Street NW, Suite 820
Atlanta, Georgia 30309
404-373-3844 • Fax 404-373-3927

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1.0 INTRODUCTION

GLE was contracted by Clayton County Public Schools (CCPS), through RFP No. 017-17, to perform water collection and testing services for lead and copper at Forest Park Middle School. The purpose of the contracted project was to collect and test water samples taken from CCPS drinking, cooking, and nursing water outlets to identify the presence of lead and copper in the water of CCPS schools and administrative/support buildings. Outlets not used for drinking, such as restroom faucets, maintenance areas, and science labs were excluded from this scope of work. The testing was generally performed in accordance with the Environmental Protection Agency (EPA)'s 3Ts for Reducing Lead in Drinking Water in Schools Technical Guidance Document (revised October 2006).

On October 5, 2018, Ms. Katrina Riley and Ms. Isis Hamilton of GLE Associates, Inc. (GLE), performed initial lead and copper in drinking water sampling of Client-designated drinking water fountains and outlets used for drinking, cooking, and/or nursing located within Forest Park Middle School located at 930 Finley Drive in Jonesboro, Georgia. According to the Client's representative, Forest Park Middle School was originally constructed in 1940, with major renovations or additions in 1951, 1964, 1986, 2000 and 2013. It is our understanding that no previous water testing has been conducted at Forest Park Middle School.

2.0 INVENTORY AND SAMPLING PLANS

Prior to the initial sampling event, on February 28, 2018, GLE mobilized to the site to inventory the existing outlets at the facility to devise a sampling plan. Further, GLE submitted a Plumbing Profile to CCPS to complete prior to sampling. Based on the results of GLE's inventory and CCPS's plumbing profile, a sampling plan was created and provided to CCPS. A copy of the Sampling Plan with the sample number identifying sample areas is included in **Appendix C**.

3.0 LEAD AND COPPER IN DRINKING WATER SAMPLING PROCEDURES

Prior to the sampling events, a Client-designated representative flushed the drinking, cooking, and nursing water outlets the night before each sampling event (or between at least 8 to 18 hours prior to the sampling event). Refrigerated drinking water fountains were flushed for 15 minutes. Non-refrigerated fountains and faucets used for drinking and cleaning were run for 30 seconds to one minute or until cold. The remaining Client-designated faucets were flushed for 10 minutes. The flushing was performed from the faucet located furthest away from the service line on each wing and/or floor of the building. Once the flushing was complete, CCPS personnel logged the completion date and time on the outlet flushed. GLE confirmed the 8 to 18 hour window prior to taking samples from flushed outlets and submitting them to the laboratory for analysis.

GLE assumed that the water supply lines and outlets in the assessed building were operating properly at the time of sampling. One representative water sample for lead and copper analysis was collected from each outlet identified in the sampling plan utilizing sterile, 250 milliliter (mL) sampling bottles preserved with nitric acid (HNO_3). The sample was collected immediately after activating the water fountain or outlet, described in this report as "first draw".

The collected samples were submitted to Waypoint Analytical, Inc., a qualified laboratory in Memphis, Tennessee, for analysis. The samples were analyzed for lead and copper in water by Inductively Coupled Plasma/Mass Spectroscopy (ICP/MS) in general accordance with EPA Method 200.8. A summary of the sampling locations and the associated analytical results are summarized below and in the attached table. The laboratory reports and chain of custodies are located in **Appendix A**. A copy of the laboratory's certification is included in **Appendix B**.

4.0 LEAD AND COPPER IN DRINKING WATER SAMPLING FINDINGS

A total of 30 water samples were collected for analysis of lead and copper content, comprised of one, water sample (first draw) from each Client-designated water fountain or outlet at the above-referenced school. The sample ID consisted of "W" for water, sample number, followed by A for first draw. Outlets identified within the concession stand (B4010) sink and a pedal sink (not a drinking source) were not flushed/ inoperable during the initial sampling event. A summary of the analytical results for the lead and copper in drinking water sampling follows in **Table 4.1 – Summary of Lead and Copper in Drinking Water Sampling Results.** The reporting limit for the lead sample analysis was 0.500 micrograms per liter (µg/L) or parts per billion (ppb) and for copper sample analysis was 0.500 micrograms per liter (µg/L) or parts per billion (ppb).

According to the EPA's 3Ts for Reducing Lead in Drinking Water in Schools Technical Guidance Document (revised October 2006), EPA recommends that water fountains and/or outlets be taken out of service if the lead level exceeds **20 µg/L or ppb** and if the copper level exceeds **1,300 µg/L or ppb**. Public water supply (PWS) systems are subject to an action level (AL) of **15 µg/L or ppb** of lead in water for treatment (specifically, if more than 10% of samples at residences tested exceed 15 ppb, system-wide corrosion control treatment may be necessary). For the purposes of this sampling event CCPS is taking corrective action for samples reported at or greater than **15 µg/L or ppb for lead and 1,300 µg/L or ppb for copper.**

TABLE 4.1 SUMMARY OF LEAD AND COPPER IN DRINKING WATER SAMPLING RESULTS FOREST PARK MIDDLE SCHOOL FOREST PARK, GEORGIA			
SAMPLE NUMBER	**TEST LOCATION**	**FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)**	**FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)**
W1A	HALLWAY NEAR ROOM 17A DRINKING WATER FOUNTAIN (RIGHT)	BRL	87.7
W2A	HALLWAY NEAR ROOM 17A DRINKING WATER FOUNTAIN (LEFT)	BRL	87.7
W3A	HALLWAY NEAR ROOM 24 DRINKING WATER FOUNTAIN	BRL	115
W4A	TEACHERS LOUNGE DRINKING WATER	BRL	97.7
W5A	CLASSROOM 4 DRINKING WATER WEST WALL	BRL	124
W6A	CLASSROOM 4 DRINKING WATER NORTH WALL	BRL	102
W7A	CLASSROOM 4 DRINKING WATER EAST WALL	2.10	92.0
W8A	HALLWAY NEAR CLASSROOM 4 DRINKING WATER FOUNTAIN (RIGHT)	BRL	53.1
W9A	HALLWAY NEAR CLASSROOM 4 DRINKING WATER FOUNTAIN (LEFT)	BRL	52.7
W10A	CLASSROOM 2 DRINKING WATER	BRL	102
W11A	CLASSROOM 3 MEDIA CENTER DRINKING WATER	BRL	413
W12A	CAFETERIA DRINKING WATER FOUNTAIN (LEFT)	BRL	66.4
W13A	CAFETERIA BOTTLE FILLER (LEFT)	BRL	78.9
W14A	CAFETERIA DRINKING WATER FOUNTAIN (RIGHT)	BRL	51.5

TABLE 4.1
SUMMARY OF LEAD AND COPPER IN DRINKING WATER SAMPLING RESULTS
FOREST PARK MIDDLE SCHOOL
FOREST PARK, GEORGIA

SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W15A	CAFETERIA BOTTLE FILLER (RIGHT)	BRL	40.0
W16A	KITCHEN NEAR OFFICE NORTH WALL DRINKING WATER	BRL	63.7
W17A	KITCHEN ICEMAKER	BRL	BRL
W18A	KITCHEN NEAR OFFICE NORTH WALL S1 DRINKING WATER	BRL	32.1
W19A	KITCHEN STEAMER	1.81	84.7
W20A	KITCHEN NORTH WALL S2 DRINKING WATER (RIGHT)	BRL	34.9
W21A	KITCHEN NORTH WALL S2 DRINKING WATER (RIGHT)	BRL	39.4
W22A	HALLWAY NEAR ROOM 38 DRINKING WATER FOUNTAIN (RIGHT)	BRL	60.2
W23A	HALLWAY NEAR ROOM 38 DRINKING WATER FOUNTAIN (LEFT)	BRL	64.6
W24A	GYM 3B DRINKING WATER FOUNTAIN	BRL	151
W25A	GYM 2C DRINKING WATER FOUNTAIN (RIGHT)	0.800	179
W26A	GYM 2C DRINKING WATER FOUNTAIN (LEFT)	0.824	189
W27A	GYM 2C CONCESSION STAND ICE MAKER	BRL	1.56
W28A	HALLWY NEAR ROOM 28 DRINKING WATER FOUNTAIMN	BRL	153
W29A	TECHNOLOGY LAB DRINKING WATER FOUNTAIN	BRL	177

TABLE 4.1 SUMMARY OF LEAD AND COPPER IN DRINKING WATER SAMPLING RESULTS FOREST PARK MIDDLE SCHOOL FOREST PARK, GEORGIA			
SAMPLE NUMBER	**TEST LOCATION**	**FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)**	**FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)**
W30A	BAND ROOM DRINKING WATER FOUNTAIN	BRL	74.9

BRL – Below Reporting Limits

µg/L – micrograms per liter

Results in **bold** indicate levels at or above the EPA PWS Action Level of 15 µg/L for Lead in Drinking Water
*Properly flushed and resampled during the follow-up testing event.

5.0 CONCLUSIONS ANDS RECOMMENDATIONS

Based on the findings of the lead in drinking water sampling, GLE offers the following conclusions:

1. A total of 30 initial first draw water samples were collected for analysis of lead and copper content, comprised of one water sample from each Client-designated drinking water fountains and outlets used for drinking, cooking, and/or nursing outlets at Forest Park Middle School. During the initial assessment, 30 first draw water samples were submitted to the laboratory for analysis.

2. Four (4) of the 30 initial first draw water samples analyzed for lead indicated detectable levels of lead. None of the 4 initial first draw water samples with detectable levels of lead were **greater** than the EPA PWS AL of 15µg/L. Outlets identified within the concession stand (B4010) sink and a pedal sink within the kitchen (not a drinking source) were not flushed/ inoperable during the initial sampling event. If determined to be used for drinking, cooking, and/or nursing, these outlets will need to be sampled.

3. 29 of the 30 first draw initial water samples indicated detectable levels of copper. None of the 30 initial first draw water samples with detectable levels of copper was **greater** than 1300µg/L.

6.0 LIMITATIONS

The results of this assessment apply only to those specific Client-designated water outlets sampled. Per the EPA sampling guidelines, large variations in lead concentrations may be found among individual outlets in a facility because of difference in flow rates and/or building materials; therefore, this assessment is limited to the conditions encountered at the date and time of each sampling event.

APPENDIX A
Laboratory Analytical Results and Chains of Custody

Waypoint ANALYTICAL

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10/9/2018

GLE Associates
Mr. Matthew Howe
1100 Spring St, NW²Suite 820
Suite 820
Atlanta, GA, 30309

Ref: Analytical Testing
Lab Report Number: 18-281-0207
Client Project Description: CCPS: Forest Park Middle School
Project # 18000-18861

Dear Mr. Matthew Howe:
Waypoint Analytical, LLC. received sample(s) on 10/6/2018 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Andrea R Brownfield
Project manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

Alabama	#40750	Louisiana	#04015	VA NELAP	#460181	Texas	#T104704180-11-6	Arkansas	#88-0650
Mississippi		California	#2904	NC	#415	Oklahoma	#9311	Virginia	#00106
Kentucky	#90047	Tennessee	#TN02027	EPA	#TN00012	Kentucky UST	#41		

Waypoint ANALYTICAL

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Sample Summary Table

Report Number: **18-281-0207**

Client Project Description: **CCPS: Forest Park Middle School**
Project # 18000-18861

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
97799	W1 - A	Aqueous	10/05/2018 03:18	10/06/2018
97800	W2 - A	Aqueous	10/05/2018 03:18	10/06/2018
97801	W3 - A	Aqueous	10/05/2018 03:20	10/06/2018
97802	W4 - A	Aqueous	10/05/2018 03:26	10/06/2018
97803	W5 - A	Aqueous	10/05/2018 03:28	10/06/2018
97804	W6 - A	Aqueous	10/05/2018 03:29	10/06/2018
97805	W7 - A	Aqueous	10/05/2018 03:29	10/06/2018
97806	W8 - A	Aqueous	10/05/2018 03:31	10/06/2018
97807	W9 - A	Aqueous	10/05/2018 03:31	10/06/2018
97808	W10 - A	Aqueous	10/05/2018 03:35	10/06/2018
97809	W11 - A	Aqueous	10/05/2018 03:38	10/06/2018
97810	W12 - A	Aqueous	10/05/2018 03:40	10/06/2018
97811	W13 - A	Aqueous	10/05/2018 03:40	10/06/2018
97812	W14 - A	Aqueous	10/05/2018 03:42	10/06/2018
97813	W15 - A	Aqueous	10/05/2018 03:43	10/06/2018
97814	W16 - A	Aqueous	10/05/2018 03:46	10/06/2018
97815	W17 - A	Aqueous	10/05/2018 03:47	10/06/2018
97816	W18 - A	Aqueous	10/05/2018 03:49	10/06/2018
97817	W19 - A	Aqueous	10/05/2018 03:50	10/06/2018
97818	W20 - A	Aqueous	10/05/2018 03:50	10/06/2018
97819	W21 - A	Aqueous	10/05/2018 03:53	10/06/2018
97820	W22 - A	Aqueous	10/05/2018 03:57	10/06/2018
97821	W23 - A	Aqueous	10/05/2018 03:58	10/06/2018
97822	W24 - A	Aqueous	10/05/2018 04:02	10/06/2018
97823	W25 - A	Aqueous	10/05/2018 04:06	10/06/2018
97824	W26 - A	Aqueous	10/05/2018 04:08	10/06/2018

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Sample Summary Table

Report Number: **18-281-0207**

Client Project Description: **CCPS: Forest Park Middle School**
Project # 18000-18861

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
97825	W27 - A	Aqueous	10/05/2018 04:10	10/06/2018
97826	W28 - A	Aqueous	10/05/2018 04:15	10/06/2018
97827	W29 - A	Aqueous	10/05/2018 04:16	10/06/2018
97828	W30 - A	Aqueous	10/05/2018 04:25	10/06/2018

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Summary of Detected Analytes

Project: CCPS: Forest Park Middle School

Report Number: 18-281-0207

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W1 - A	**L 97799**					
EPA-200.8	Copper	87.7	µg/L	0.500	10/09/2018 10:04	
EPA-200.8	Copper	87.7	µg/L	0.500	10/09/2018 10:04	
W2 - A	**L 97800**					
EPA-200.8	Copper	88.7	µg/L	0.500	10/09/2018 10:06	
EPA-200.8	Copper	88.7	µg/L	0.500	10/09/2018 10:06	
W3 - A	**L 97801**					
EPA-200.8	Copper	115	µg/L	0.500	10/09/2018 10:07	
EPA-200.8	Copper	115	µg/L	0.500	10/09/2018 10:07	
W4 - A	**L 97802**					
EPA-200.8	Copper	97.7	µg/L	0.500	10/09/2018 10:08	
EPA-200.8	Copper	97.7	µg/L	0.500	10/09/2018 10:08	
W5 - A	**L 97803**					
EPA-200.8	Copper	124	µg/L	0.500	10/09/2018 10:10	
EPA-200.8	Copper	124	µg/L	0.500	10/09/2018 10:10	
W6 - A	**L 97804**					
EPA-200.8	Copper	102	µg/L	0.500	10/09/2018 10:11	
EPA-200.8	Copper	102	µg/L	0.500	10/09/2018 10:11	
W7 - A	**L 97805**					
EPA-200.8	Copper	92.0	µg/L	0.500	10/09/2018 10:16	
EPA-200.8	Lead	2.10	µg/L	0.500	10/09/2018 10:16	
EPA-200.8	Copper	92.0	µg/L	0.500	10/09/2018 10:16	
EPA-200.8	Lead	2.10	µg/L	0.500	10/09/2018 10:16	
W8 - A	**L 97806**					
EPA-200.8	Copper	53.1	µg/L	0.500	10/09/2018 10:18	
EPA-200.8	Copper	53.1	µg/L	0.500	10/09/2018 10:18	
W9 - A	**L 97807**					
EPA-200.8	Copper	52.7	µg/L	0.500	10/09/2018 10:19	
EPA-200.8	Copper	52.7	µg/L	0.500	10/09/2018 10:19	
W10 - A	**L 97808**					
EPA-200.8	Copper	102	µg/L	0.500	10/09/2018 10:20	
EPA-200.8	Copper	102	µg/L	0.500	10/09/2018 10:20	
W11 - A	**L 97809**					
EPA-200.8	Copper	413	µg/L	0.500	10/09/2018 10:22	

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Summary of Detected Analytes

Project: CCPS: Forest Park Middle School

Report Number: 18-281-0207

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W11 - A	**L 97809**					
EPA-200.8	Copper	413	µg/L	0.500	10/09/2018 10:22	
W12 - A	**L 97810**					
EPA-200.8	Copper	66.4	µg/L	0.500	10/09/2018 10:25	
EPA-200.8	Copper	66.4	µg/L	0.500	10/09/2018 10:25	
W13 - A	**L 97811**					
EPA-200.8	Copper	78.9	µg/L	0.500	10/09/2018 10:26	
EPA-200.8	Copper	78.9	µg/L	0.500	10/09/2018 10:26	
W14 - A	**L 97812**					
EPA-200.8	Copper	51.5	µg/L	0.500	10/09/2018 10:27	
EPA-200.8	Copper	51.5	µg/L	0.500	10/09/2018 10:27	
W15 - A	**L 97813**					
EPA-200.8	Copper	40.0	µg/L	0.500	10/09/2018 10:29	
EPA-200.8	Copper	40.0	µg/L	0.500	10/09/2018 10:29	
W16 - A	**L 97814**					
EPA-200.8	Copper	63.7	µg/L	0.500	10/09/2018 10:30	
EPA-200.8	Copper	63.7	µg/L	0.500	10/09/2018 10:30	
W18 - A	**L 97816**					
EPA-200.8	Copper	32.1	µg/L	0.500	10/09/2018 10:37	
EPA-200.8	Copper	32.1	µg/L	0.500	10/09/2018 10:37	
W19 - A	**L 97817**					
EPA-200.8	Copper	84.7	µg/L	0.500	10/09/2018 10:38	
EPA-200.8	Lead	1.81	µg/L	0.500	10/09/2018 10:38	
EPA-200.8	Copper	84.7	µg/L	0.500	10/09/2018 10:38	
EPA-200.8	Lead	1.81	µg/L	0.500	10/09/2018 10:38	
W20 - A	**L 97818**					
EPA-200.8	Copper	34.9	µg/L	0.500	10/09/2018 10:39	
EPA-200.8	Copper	34.9	µg/L	0.500	10/09/2018 10:39	
W21 - A	**L 97819**					
EPA-200.8	Copper	39.4	µg/L	0.500	10/09/2018 10:53	
EPA-200.8	Copper	39.4	µg/L	0.500	10/09/2018 10:53	
W22 - A	**L 97820**					
EPA-200.8	Copper	60.2	µg/L	0.500	10/09/2018 10:54	
EPA-200.8	Copper	60.2	µg/L	0.500	10/09/2018 10:54	

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Summary of Detected Analytes

Project: CCPS: Forest Park Middle School

Report Number: 18-281-0207

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W23 - A	**L 97821**					
EPA-200.8	Copper	64.6	µg/L	0.500	10/09/2018 10:55	
EPA-200.8	Copper	64.6	µg/L	0.500	10/09/2018 10:55	
W24 - A	**L 97822**					
EPA-200.8	Copper	151	µg/L	0.500	10/09/2018 10:57	
EPA-200.8	Copper	151	µg/L	0.500	10/09/2018 10:57	
W25 - A	**L 97823**					
EPA-200.8	Copper	179	µg/L	0.500	10/09/2018 10:58	
EPA-200.8	Lead	0.800	µg/L	0.500	10/09/2018 10:58	
EPA-200.8	Copper	179	µg/L	0.500	10/09/2018 10:58	
EPA-200.8	Lead	0.800	µg/L	0.500	10/09/2018 10:58	
W26 - A	**L 97824**					
EPA-200.8	Copper	189	µg/L	0.500	10/09/2018 10:59	
EPA-200.8	Lead	0.824	µg/L	0.500	10/09/2018 10:59	
EPA-200.8	Copper	189	µg/L	0.500	10/09/2018 10:59	
EPA-200.8	Lead	0.824	µg/L	0.500	10/09/2018 10:59	
W27 - A	**L 97825**					
EPA-200.8	Copper	1.56	µg/L	0.500	10/09/2018 11:01	
EPA-200.8	Copper	1.56	µg/L	0.500	10/09/2018 11:01	
W28 - A	**L 97826**					
EPA-200.8	Copper	153	µg/L	0.500	10/09/2018 11:02	
EPA-200.8	Copper	153	µg/L	0.500	10/09/2018 11:02	
W29 - A	**L 97827**					
EPA-200.8	Copper	177	µg/L	0.500	10/09/2018 11:04	
EPA-200.8	Copper	177	µg/L	0.500	10/09/2018 11:04	
W30 - A	**L 97828**					
EPA-200.8	Copper	74.9	µg/L	0.500	10/09/2018 11:05	
EPA-200.8	Copper	74.9	µg/L	0.500	10/09/2018 11:05	

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23169
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Mr. Matthew Howe
1100 Spring St, NW²Suite 820
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Atlanta , GA 30309

Project Information : CCPS: Forest Park Middle School
Project # 18000-18861

Report Date : 10/09/2018
Received : 10/6/2018

Andrea R. Brownfield
Project manager

Report Number : **18-281-0207**

REPORT OF ANALYSIS

Lab No : **97799**
Sample ID : **W1 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:18**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**87.7**	µg/L	0.500	1	10/09/18 10:04	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:04	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Project Information : CCPS: Forest Park Middle School
Project # 18000-18861

Report Date : 10/09/2018
Received : 10/6/2018

Andrea R. Brownfield
Project manager

Report Number : **18-281-0207**

REPORT OF ANALYSIS

Lab No : **97800**
Sample ID : **W2 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:18**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**88.7**	µg/L	0.500	1	10/09/18 10:06	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:06	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Atlanta , GA 30309

Project Information : CCPS: Forest Park Middle School
Project # 18000-18861

Report Date : 10/09/2018
Received : 10/6/2018

Andrea R. Brownfield
Project manager

Report Number : **18-281-0207**

REPORT OF ANALYSIS

Lab No : **97801**
Sample ID : **W3 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**115**	µg/L	0.500	1	10/09/18 10:07	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:07	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Date : 10/09/2018
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Andrea R. Brownfield
Project manager

Report Number : **18-281-0207**

REPORT OF ANALYSIS

Lab No : **97802**
Sample ID : **W4 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:26**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**97.7**	µg/L	0.500	1	10/09/18 10:08	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:08	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **18-281-0207**

REPORT OF ANALYSIS

Lab No : **97803**
Sample ID : **W5 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:28**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**124**	µg/L	0.500	1	10/09/18 10:10	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:10	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **18-281-0207**

REPORT OF ANALYSIS

Lab No : **97804**
Sample ID : **W6 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:29**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**102**	µg/L	0.500	1	10/09/18 10:11	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:11	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **18-281-0207**

REPORT OF ANALYSIS

Lab No : **97805**
Sample ID : **W7 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:29**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**92.0**	µg/L	0.500	1	10/09/18 10:16	CCR	EPA-200.8
Lead	**2.10**	µg/L	0.500	1	10/09/18 10:16	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **18-281-0207**

REPORT OF ANALYSIS

Lab No : **97806**
Sample ID : **W8 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:31**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**53.1**	µg/L	0.500	1	10/09/18 10:18	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:18	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **18-281-0207**

REPORT OF ANALYSIS

Lab No : **97807**
Sample ID : **W9 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:31**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**52.7**	µg/L	0.500	1	10/09/18 10:19	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:19	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97808**
Sample ID : **W10 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**102**	µg/L	0.500	1	10/09/18 10:20	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:20	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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Report Number : **18-281-0207**

REPORT OF ANALYSIS

Lab No : **97809**
Sample ID : **W11 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:38**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**413**	µg/L	0.500	1	10/09/18 10:22	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:22	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97810**
Sample ID : **W12 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:40**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**66.4**	µg/L	0.500	1	10/09/18 10:25	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:25	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97811**
Sample ID : **W13 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:40**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**78.9**	µg/L	0.500	1	10/09/18 10:26	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:26	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97812**
Sample ID : **W14 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:42**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**51.5**	µg/L	0.500	1	10/09/18 10:27	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:27	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97813**
Sample ID : **W15 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:43**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**40.0**	µg/L	0.500	1	10/09/18 10:29	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:29	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97814**
Sample ID : **W16 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:46**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**63.7**	µg/L	0.500	1	10/09/18 10:30	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:30	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97815**
Sample ID : **W17 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:47**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	<0.500	µg/L	0.500	1	10/09/18 10:35	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:35	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97816**
Sample ID : **W18 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:49**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**32.1**	µg/L	0.500	1	10/09/18 10:37	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:37	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97817**
Sample ID : **W19 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:50**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**84.7**	µg/L	0.500	1	10/09/18 10:38	CCR	EPA-200.8
Lead	**1.81**	µg/L	0.500	1	10/09/18 10:38	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97818**
Sample ID : **W20 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:50**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**34.9**	µg/L	0.500	1	10/09/18 10:39	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:39	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97819**
Sample ID : **W21 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:53**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**39.4**	µg/L	0.500	1	10/09/18 10:53	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:53	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97820**
Sample ID : **W22 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:57**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**60.2**	µg/L	0.500	1	10/09/18 10:54	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:54	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97821**
Sample ID : **W23 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 3:58**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**64.6**	µg/L	0.500	1	10/09/18 10:55	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:55	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97822**
Sample ID : **W24 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 4:02**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**151**	µg/L	0.500	1	10/09/18 10:57	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 10:57	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97823**
Sample ID : **W25 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 4:06**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**179**	µg/L	0.500	1	10/09/18 10:58	CCR	EPA-200.8
Lead	**0.800**	µg/L	0.500	1	10/09/18 10:58	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97824**
Sample ID : **W26 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 4:08**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**189**	µg/L	0.500	1	10/09/18 10:59	CCR	EPA-200.8
Lead	**0.824**	µg/L	0.500	1	10/09/18 10:59	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97825**
Sample ID : **W27 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 4:10**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**1.56**	µg/L	0.500	1	10/09/18 11:01	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 11:01	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **97826**
Sample ID : **W28 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 4:15**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**153**	µg/L	0.500	1	10/09/18 11:02	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 11:02	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

Waypoint ANALYTICAL

2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ° Fax 901.213.2440
www.waypointanalytical.com

23169
GLE Associates
Mr. Matthew Howe
1100 Spring St, NW²Suite 820
Suite 820
Atlanta , GA 30309

Project Information : CCPS: Forest Park Middle School
Project # 18000-18861

Report Date : 10/09/2018
Received : 10/6/2018

Andrea R. Brownfield
Project manager

Report Number : **18-281-0207**

REPORT OF ANALYSIS

Lab No : **97827**
Sample ID : **W29 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 4:16**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**177**	µg/L	0.500	1	10/09/18 11:04	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 11:04	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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23169
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Mr. Matthew Howe
1100 Spring St, NW²Suite 820
Suite 820
Atlanta , GA 30309

Project Information : CCPS: Forest Park Middle School
Project # 18000-18861

Report Date : 10/09/2018
Received : 10/6/2018

Andrea R. Brownfield
Project manager

Report Number : **18-281-0207**

REPORT OF ANALYSIS

Lab No : **97828**
Sample ID : **W30 - A**

Matrix: **Aqueous**
Sampled: **10/5/2018 4:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	**74.9**	µg/L	0.500	1	10/09/18 11:05	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	10/09/18 11:05	CCR	EPA-200.8

Qualifiers/ Definitions DF Dilution Factor MQL Method Quantitation Limit

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2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ° Fax 901.213.2440
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Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Forest Park Middle School
Report No: 18-281-0207

QC Prep: L402842
QC Prep Batch Method: EPA-200.8
QC Analytical Batch(es): L403079
Analysis Method: EPA-200.8
Analysis Description: Metals Analyses

Lab Reagent Blank LRB-L402842 Matrix: AQU

Associated Lab Samples: 97799, 97800, 97801, 97802, 97803, 97804, 97805, 97806, 97807, 97808, 97809, 97810, 97811, 97812, 97813, 97814, 97815, 97816, 97817, 97818

Parameter	Units	Blank Result	MQL	Analyzed
Copper	µg/L	< 0.500	0.500	10/09/18 10:02
Lead	µg/L	< 0.500	0.500	10/09/18 10:02

Laboratory Control Sample LCS-L402842

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	48.7	96.9	85-115
Lead	µg/L	50.3	49.2	97.9	85-115

Matrix Spike & Matrix Spike Duplicate L 97818-MS-L402842 L 97818-MSD-L402842

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Copper	µg/L	34.9	50.3	50.3	79.9	83.6	89.5	96.9	70-130	4.5	20.0
Lead	µg/L	< 0.503	50.3	50.3	49.6	50.5	98.7	100	70-130	1.7	20.0

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2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ° Fax 901.213.2440
www.waypointanalytical.com

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Forest Park Middle School
Report No: 18-281-0207

QC Prep: L402843
QC Prep Batch Method: EPA-200.8
QC Analytical Batch(es): L403079
Analysis Method: EPA-200.8
Analysis Description: Metals Analyses

Lab Reagent Blank LRB-L402843 Matrix: AQU
Associated Lab Samples: 97819, 97820, 97821, 97822, 97823, 97824, 97825, 97826, 97827, 97828

Parameter	Units	Blank Result	MQL	Analyzed
Copper	µg/L	< 0.500	0.500	10/09/18 10:46
Lead	µg/L	< 0.500	0.500	10/09/18 10:46

Laboratory Control Sample LCS-L402843

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	48.8	97.1	85-115
Lead	µg/L	50.3	48.8	97.1	85-115

Matrix Spike & Matrix Spike Duplicate L 97828-MS-L402843 L 97828-MSD-L402843

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Copper	µg/L	74.9	50.3	50.3	120	118	89.7	85.7	70-130	1.6	20.0
Lead	µg/L	< 0.503	50.3	50.3	51.4	49.8	102	99.1	70-130	3.1	20.0

Waypoint ANALYTICAL

2790 Whitten Road, Memphis, TN 38133
Main 901.213.2400 ° Fax 901.213.2440
www.waypointanalytical.com

Cooler Receipt Form

Customer Number: **23169**
Customer Name: **GLE Associates**
Report Number: **18-281-0207**

Shipping Method

● Fed Ex	○ US Postal	○ Lab	○ Other :	
○ UPS	○ Client	○ Courier	Thermometer ID:	N/A

Shipping container/cooler uncompromised?	● Yes	○ No	
Number of coolers received	1		
Custody seals intact on shipping container/cooler?	○ Yes	○ No	● Not Required
Custody seals intact on sample bottles?	○ Yes	○ No	● Not Required
Chain of Custody (COC) present?	● Yes	○ No	
COC agrees with sample label(s)?	● Yes	○ No	
COC properly completed	● Yes	○ No	
Samples in proper containers?	● Yes	○ No	
Sample containers intact?	● Yes	○ No	
Sufficient sample volume for indicated test(s)?	● Yes	○ No	
All samples received within holding time?	● Yes	○ No	
Cooler temperature in compliance?	● Yes	○ No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	○ Yes	● No	
Water - Sample containers properly preserved	● Yes	○ No	○ N/A
Water - VOA vials free of headspace	○ Yes	○ No	● N/A
Trip Blanks received with VOAs	○ Yes	○ No	● N/A
Soil VOA method 5035 – compliance criteria met	○ Yes	○ No	● N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)

☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	○ Yes	● No

Comments:

Signature: Kristina A. McAdams Date & Time: 10/08/2018 09:46:55

Client Name/Address	Client Project Manager/Contact	Billing Information	For Laboratory Use Only
GLE Associates	Katrina Riley	1100 Spring Street, 820 Atlanta, GA	18-281-0207 23169 10-08-2018 09:39:20 GLE Associates CCPS: Forest Park Middle School
Project Description	**Project/Site Location (City/State)**	☐ RUSH – Additional charges apply ☐ Special Detection Limit(s) Date Results Needed	Metho ☐ Fe ☐ Co Ot.
Pb and Cl	Forest Park MS Forest Park, GA		
Project Number	**Project Manager Phone #**	**Project Manager Email**	**Purchase Order Number**
18000-18861	404-373-3844	kriley@glecassociates.com ihamilton@glecassociates.com	

Site/Facility ID #: Forest Park Middle

Waypoint ANALYTICAL
2790 Whitten Road
Memphis, TN 38133
(901) 213-2400

Unless noted, all containers per Table II of 40 CFR Part 136.

A	Cool < 10C Na2S2O3 (Micro Only)
B	Cool <= 6C
C	H2SO4 pH<2
D	None Required
E	NaOH pH>10
F	HNO3 pH<2
G	HCL pH<2
H	H3PO4 pH<2
I	Cool <= 6C NA2S2O3

Date	Time	Sample Identification	Number of Containers	Matrix (Refer to Key)	(G)rab or (C)omposite	200.8 Cl	200.8 Pb	Comments/Notes
10/05/18	0318	W1-A		DW	G	HNO_3	HNO_3	~~DWF~~ HW RM 17A DWF Right
	0318	W2-A						HW RM 17A DWF Left.
	0320	W3-A						HW RM 24 DWF
	0326	W4-A						Teachers Lounge DW
	0328	W5-A						CRM DW West Wall
	0329	W6-A						CR4 DW North Wall
	0329	W7-A						CR4 DW East Wall
	0331	W8-A						HW RM4 DWF Right
	0331	W9-A						HW RM4 DWF Left
	0335	W10-A						CR 2 DW

For Laboratory Use Only

Ice	Custody Seals	Lab Comments
Y/N	Y/N	

Blank/Cooler Temp: NCA

Sampled by (Name – Print): K. Riley & I. Hamilton

Client Remarks/Comments

Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
	10/5/18 12:45pm	Hugo Anez	10/05/18 13:25
Hugo Anez	10/05/18 15:00	FEDEX	10/05/18 15:00
			10/6/18 1115

Client Name/Address	Client Project Manager/Contact	Billing Information	For Laboratory Use Only
GLE Associates	Katrina Riley	1100 Spring Street, 820 Atlanta, Georgia	18-281-0207 23169 10-08-2018 09:39:20 GLE Associates CCPS: Forest Park Middle School

Project Description	Project/Site Location (City/State)	Metho
Pb and Cu	Forest Park Middle School Forest Park, GA	☐ RUSH – Additional charges apply ☐ Special Detection Limit(s) Date Results Needed ☐ Fe ☐ Co Other

Project Number	Project Manager Phone #	Project Manager Email	Purchase Order Number	Site/Facility ID #
18000-18861	404-373-3844	kriley@gleassociates.com ihamilton@gleassociates.com		Forest Park Middle School

Waypoint ANALYTICAL
2790 Whitten Road
Memphis, TN 38133
(901) 213-2400

Unless noted, all containers per Table II of 40 CFR Part 136.

A	Cool < 10C Na2S2O3 (Micro Only)
B	Cool <= 6C
C	H2SO4 pH<2
D	None Required
E	NaOH pH>10
F	HNO3 pH<2
G	HCL pH<2
H	H3PO4 pH<2
I	Cool <= 6C NA2S2O3

Date	Time	Sample Identification	Number of Containers	Matrix (Refer to Key)	(G)rab or (C)omposite	Required Analysis / Preservative: 200.8 Pb	200.8 Cu	Comments/Notes
10/05/18	0338	W11-A		DW	G	6 HNO_3	HNO_3	CR3 Media Center DW
	0340	W12-A						Cafeteria DWF Left
	0340	W13-A						Cafeteria Bottlefiller Left
	0342	W14-A						Cafeteria DWF Right
	0343	W15-A						Cafeteria Bottlefiller Right
	0346	W16-A						Kitchen N wall near office DW
	0347	W17-A						Kitchen ICE
	0349	W18-A						Kitchen N wall near office DW ~~S1~~ S1
	0350	W19-A						Kitchen ~~EFF~~ Steamer
	0350	W20-A						Kitchen N wall DW ~~S2~~ S1 S2 ~~left~~ Right

For Laboratory Use Only		
Ice	Custody Seals	Lab Comments
Y (N)	Y/(N)	
Blank/Cooler Temp		
N/A		

Sampled by (Name – Print): K. Riley, J. Hamilton

Client Remarks/Comments

Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Matt K.	10/5/18 12:45pm	Hugo Anez	10/05/18 1325
Hugo Anez	10/05/18 15:00	FedEx	10/5/18 1500
			10/6/18 1145

Client Name/Address	Client Project Manager/Contact	Billing Information
GLE Associates	Katrina Riley	1100 Spring Street, 820 Atlanta, Georgia

For Laboratory Use Only

18-281-0207
23169
10-08-2018
09:39:20
GLE Associates
CCPS: Forest Park Middle School

Project Description	Project/Site Location (City/State)	Method of S
Pb and Cu	Forest Park Middle School Forest Park, GA	☐ RUSH – Additional charges apply ☐ Special Detection Limit(s) Date Results Needed ☐ Fed Ex ☐ Courier Other

Project Number	Project Manager Phone #	Project Manager Email	Purchase Order Number	Site/Facility ID #
18000-18861	404-373-3844	kriley@gleassociates.com ihamilton@gleassociates.com		Forest Park Middle School

Waypoint ANALYTICAL
2790 Whitten Road
Memphis, TN 38133
(901) 213-2400

Unless noted, all containers per Table II of 40 CFR Part 136.

A	Cool < 10C Na2S2O3 (Micro Only)
B	Cool <= 6C
C	H2SO4 pH<2
D	None Required
E	NaOH pH>10
F	HNO3 pH<2
G	HCL pH<2
H	H3PO4 pH<2
I	Cool <= 6C NA2S2O3

Date	Time	Sample Identification	Number of Containers	Matrix (Refer to Key)	(G)rab or (C)omposite	Required Analysis / Preservative: 200.8 Pb	Required Analysis / Preservative: 200.8 Cu	Comments/Notes
10/05/18	0353	W21-A		DW	G	HNO_3	HNO_3	~~S2~~ S3 Left Kitchen N wall DW ~~Right~~
	0357	W22-A						HW near room 38 DWF Right
	0358	W23-A						HW near room 38 DWF Left
	0402	W24-A						Gym 3b DWF
	0406	W25-A						Gym 2C DWF Right
	0408	W26-A						Gym 2C DWF Left
	0410	W27-A						Gym 2C concession stand ICE
	0415	W28-A						HW near room 28 DWF
	0416	W29-A						Technology Lab DWF
↓	0425	W30-A		↓	↓	↓	↓	Band Room DWF

For Laboratory Use Only

Ice	Custody Seals	Lab Comments
Y/N	Y/N	

Blank/Cooler Temp: N/A

Sampled by (Name – Print): K. Riley & L. Hamilton

Client Remarks/Comments

Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Matt R. Hall	10/5/18 12:45pm	Hugo Alvez	10/05/18 1325
Hugo Alvez	10/05/18 1500	FedEx	10/05/18 15:00
	Date Time	Received by: (SIGNATURE)	Date Time
			10/6/18 1115

Safeguard LITHO USA Form No. 811-2/E15CS000385 07/15

APPENDIX B
Laboratory Certification

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

Watershed Protection Branch
2 Martin Luther King, Jr. Drive
Suite 1152, East Tower
Atlanta, Georgia 30334
404-463-1511

Mr. Michael T. Kauffman, Laboratory Director
Waypoint Analytical, Inc.
2790 Whitten Road
Memphis, TN 38133

MAR 13 2018

RE: Certification by Reciprocity
Waypoint Analytical, Inc.
Georgia ID #C 044

Dear Mr. Kauffman:

The Georgia Department of Natural Resources, Environmental Protection Division (EPD), is in receipt of your laboratory's request to fulfill your laboratory's request for Certification by Reciprocity for the analysis of **Lead and Copper** in Drinking Water by **EPA 200.8** Therefore, in accordance with the Georgia Safe Drinking Water Act of 1977 (Sections12-5-170 through 12-5-193, O.C.G.A.) and the Rules for Safe Drinking Water (Chapter 391-3-5), this certification replaces any previously issued certification and is valid until May 10, 2020. This certificate is contingent upon continued Certification by the State of Tennessee and is non-transferable. This certificate is also contingent upon continued acceptable semi-annual Proficiency Testing results.

Prior to the expiration of this certification, please contact your accrediting/certifying authority and request the following information be forwarded to Lynne Grubb at lynne.grubb@dnr.ga.gov or Sean Earley at sean.earley@dnr.ga.gov.

1. Copies of the most current on-site and accepted corrective actions
2. Copies of the scope of accreditation listing analytes

If you have any questions, please feel free to contact Lynne Grubb at 404-657-3189 or Sean Earley at 404-651-9581.

Thank you.

Sean Earley
Laboratory Certification Officer
Drinking Water Compliance Unit

Lewis Hays
Program Manager
Watershed Compliance Program

WAYPOINT ANALYTICAL (GA LAB ID# C044)
2790 Whitten Road Memphis, TN 38133
Effective March 1, 2018 to May 10, 2020

ANALYTE	CERTIFIED BY	METHOD
INORGANIC CHEMICALS		
Copper	TN DEC	200.8
Lead	TN DEC	200.8

Dear Client:

Re: Georgia State Law (O.C.G.A. § 12-2-9) requires all commercial laboratories submitting data to the Environmental Protection Division for regulatory purposes be approved or accredited by an accrediting authority such as NELAP. Pursuant to this regulation this laboratory affirms the following certification in support of this regulation under Chapter 391-3-26-05:

Laboratory: Waypoint Analytical, Inc.
2790 Whitten Road
Memphis, TN 38133

Accreditor: NELAP Accrediting Authority
Primary Accrediting State: Louisiana Department of Environmental Quality (LELAP)

Accreditation Number: 04015

Scope: CWA/RCRA

Effective: 07/01/2017

Expires: 06/30/2018

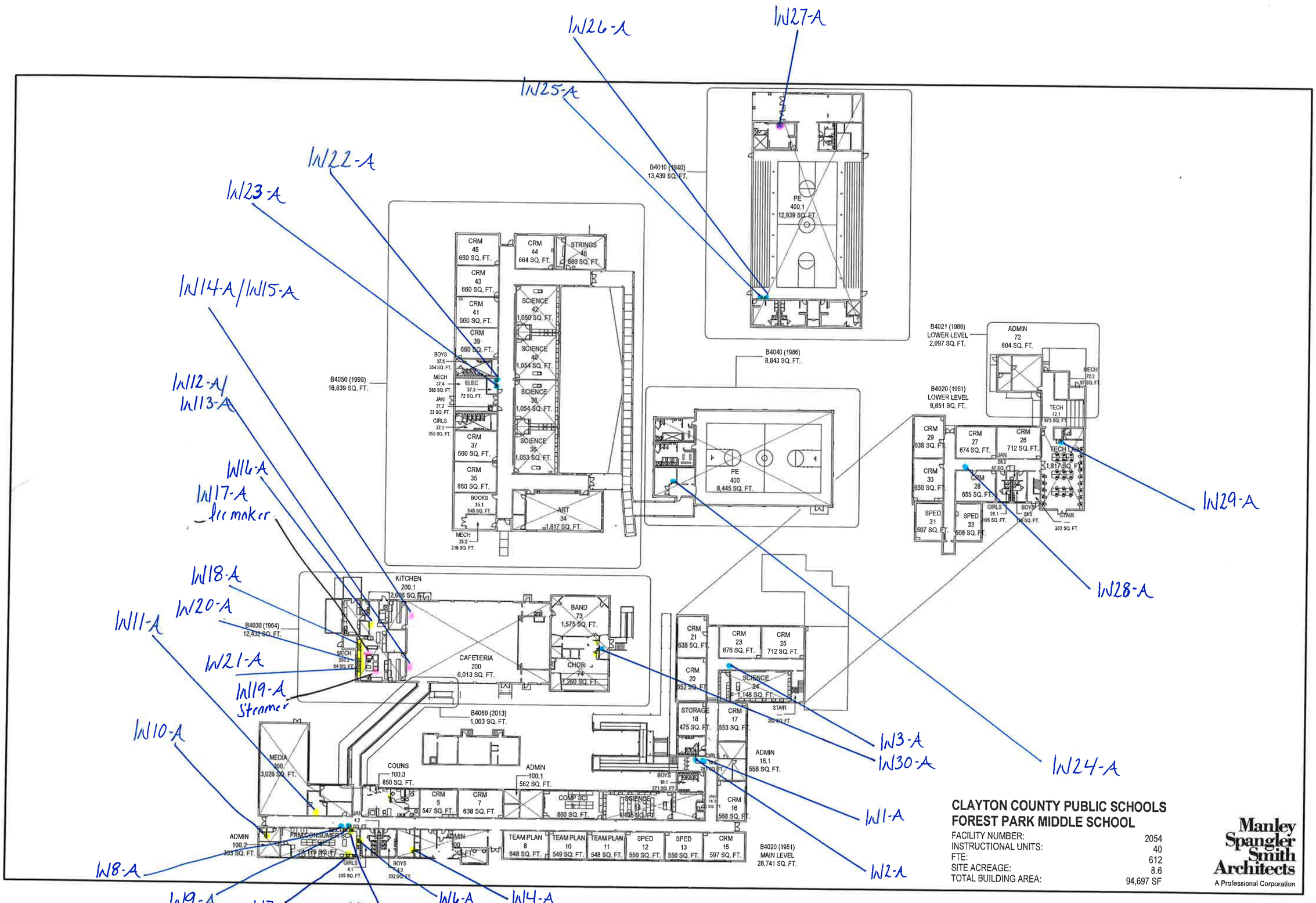
Certificate and scope available upon request.

If you have any questions or comments please feel free in contacting me at rmedina@waypointanalytical.com.

Respectfully,

Dr. Richard Medina
Chief Quality Officer

APPENDIX C
Sampling Plan



CLAYTON COUNTY PUBLIC SCHOOLS
FOREST PARK MIDDLE SCHOOL

FACILITY NUMBER:	2054
INSTRUCTIONAL UNITS:	40
FTE:	612
SITE ACREAGE:	8.6
TOTAL BUILDING AREA:	94,697 SF

Manley Spangler Smith Architects
A Professional Corporation