

**LIMITED LEAD AND COPPER IN DRINKING WATER
SAMPLING**

**Fountain Elementary School
CCPS No: 2554
5215 West Street
Forest Park, Georgia, 30288**

GLE Project No.: 18000-18861

Prepared for:

**Clayton County Public Schools
1058 Fifth Avenue
Jonesboro, Georgia 30236**

April 2021

Prepared by:



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

TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
2.0	INVENTORY AND SAMPLING PLANS.....	1
3.0	LEAD AND COPPER IN DRINKING WATER SAMPLING PROCEDURES.....	1
4.0	LEAD AND COPPER IN DRINKING WATER SAMPLING FINDINGS.....	2
	Table 4.1 Summary of Lead and Copper in Drinking Water Sampling Results	3
5.0	CONCLUSIONS	9
6.0	LIMITATIONS.....	9

APPENDICES

APPENDIX A – Laboratory Analytical Results and Chain of Custody

APPENDIX B – Laboratory Certification

APPENDIX C – Sampling Plan

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 Fountain Elementary 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 May 30, 2018, Ms. Katrina Riley and Ms. Isis Hamilton of GLE Associates, Inc. (GLE), performed lead and copper in drinking water sampling of Client-designated drinking water fountains and outlets used for drinking, cooking, and/or nursing located within Fountain Elementary School located at 5215 West Street, in Forest Park, Georgia. According to the Client's representative, Fountain Elementary School was originally constructed in 1952, with major renovations or additions in 1959, 1965, 1976. It is our understanding that no previous water testing has been conducted at Fountain Elementary School.

2.0 INVENTORY AND SAMPLING PLANS

Prior to the sampling event, on February 19, 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 event, a Client-designated representative flushed all 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.

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 (HNO₃). 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 (Waypoint), 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 report and chain of custody 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 75 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. One unflushed outlet in the kitchen, which was not identified as a drinking water or cooking source by CCPS personnel, was identified during the initial sampling, and was not submitted to the laboratory for analysis per the Client’s request. The sample ID consisted of “W” for water, sample number, followed by A for first draw. 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 microgram 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
FOUNTAIN ELEMENTARY SCHOOL
FOREST PARK, GEORGIA

SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W1A	MEDIA CENTER (NEAR ENTRANCE)- FAUCET	9.36	289
W2A	MEDIA CENTER (BEHIND FRONT DESK)- FAUCET	6.81	53.4
W3A	MEDIA CENTER (ROOM 300.4)- FAUCET	1.24	257
W4A	MEDIA CENTER- DRINKING WATER FOUNTAIN (RIGHT)	BRL	68.1
W5A	MEDIA CENTER- DRINKING WATER FOUNTAIN (LEFT)	BRL	71.0
W6A	CLASSROOM-305 DRINKING WATER FOUNTAIN	BRL	161
W7A	CLASSROOM-305 FAUCET	BRL	156
W8A	CLASSROOM-304 DRINKING WATER FOUNTAIN	BRL	161
W9A	CLASSROOM-304 FAUCET	BRL	153
W10A	CLASSROOM-306 DRINKING WATER FOUNTAIN	BRL	169
W11A	CLASSROOM-306 FAUCET	BRL	165
W12A	CLASSROOM-303 DRINKING WATER FOUNTAIN	0.536	246
W13A	CLASSROOM-303 FAUCET	0.620	223
W14A	KINDERGARDEN HALLWAY- DRINKING WATER FOUNTAIN	BRL	65.5
W15A	CLASSROOM-307 DRINKING WATER FOUNTAIN	BRL	155

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

SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W16A	CLASSROOM-307 FAUCET	BRL	153
W17A	CLASSROOM-302 DRINKING WATER FOUNTAIN	BRL	166
W18A	CLASSROOM-302 FAUCET	BRL	151
W19A	CLASSROOM-308 DRINKING WATER FOUNTAIN	BRL	166
W20A	CLASSROOM-308 FAUCET	BRL	152
W21A	CLASSROOM-301 DRINKING WATER FOUNTAIN	BRL	175
W22A	CLASSROOM-301 FAUCET	0.639	174
W23A	CAFETERIA- DRINKING WATER FOUNTAIN	BRL	74.8
W24A	KITCHEN (SOUTH WALL)- FAUCET (LEFT)	BRL	120
W25A	KITCHEN- ICE	BRL	BRL
W27A	KITCHEN (NORTH WALL)-FAUCET	BRL	129
W28A	KITCHEN- POTFILLER	BRL	148
W29A	KITCHEN- STEAMER	BRL	142
W30A	KITCHEN (EAST WALL FURTHEST LEFT)- FAUCET	BRL	112
W31A	KITCHEN (EAST WALL)- FAUCET	BRL	137

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

SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W32A	KITCHEN (EAST WALL FURTHEST RIGHT)- FAUCET	BRL	144
W33A	CLASSROOM-247 DRINKING WATER FOUNTAIN	BRL	277
W34A	CLASSROOM-247 FAUCET	BRL	253
W35A	CLASSROOM-246 DRINKING WATER FOUNTAIN	BRL	188
W36A	CLASSROOM-246 FAUCET	BRL	205
W37A	CLASSROOM-248 DRINKING WATER FOUNTAIN	BRL	201
W38A	CLASSROOM-248 FAUCET	BRL	194
W39A	CLASSROOM-245 DRINKING WATER FOUNTAIN	BRL	197
W40A	CLASSROOM-245 FAUCET	BRL	185
W41A	NEAR BATHROOM HALLWAY (NEAR ROOM 248)- DRINKING WATER FOUNTAIN (RIGHT)	BRL	152
W42A	NEAR BATHROOM HALLWAY (NEAR ROOM 248)- DRINKING WATER FOUNTAIN (LEFT)	BRL	150
W43A	CLASSROOM-208 DRINKING WATER FOUNTAIN	BRL	180
W44A	CLASSROOM-208 FAUCET	BRL	176
W45A	CLASSROOM-207 DRINKING WATER FOUNTAIN	1.12	220

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

SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W46A	CLASSROOM-207 FAUCET	0.892	189
W47A	CLASSROOM-209 DRINKING WATER FOUNTAIN	1.70	552
W48A	CLASSROOM-209 FAUCET	0.686	317
W49A	IN FRONT OF CLASSROM 209- DRINKING WATER FOUNTAIN (RIGHT)	BRL	101
W50A	IN FRONT OF CLASSROOM 209- DRINKING WATER FOUNTAIN (LEFT)	BRL	102
W51A	CLASSROOM-206 DRINKING WATER FOUNTAIN	BRL	171
W52A	CLASSROOM-206 FAUCET	BRL	173
W53A	CLASSROOM-210 DRINKING WATER FOUNTAIN	BRL	216
W54A	CLASSROOM-210 FAUCET	BRL	181
W55A	CLASSROOM-205 DRINKING WATER FOUNTAIN	1.06	175
W56A	CLASSROOM-205 FAUCET	BRL	165
W57A	CLASSROOM-211 DRINKING WATER FOUNTAIN	0.672	189
W58A	CLASSROOM-211 FAUCET	BRL	144
W59A	CLASSROOM-204 DRINKING WATER FOUNTAIN	BRL	223

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

SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W60A	CLASSROOM-204 FAUCET	BRL	147
W61A	CLASSROOM-212 DRINKING WATER FOUNTAIN	BRL	176
W62A	CLASSROOM-212 FAUCET	BRL	165
W63A	NEAR BREAK ROOM 201.1- DRINKING WATER FOUNTAIN (LEFT)	BRL	64.6
W64A	NEAR BREAK ROOM 201.1- DRINKING WATER FOUNTAIN (RIGHT)	BRL	62.8
W65A	WORK ROOM-200 FAUCET	BRL	222
W66A	CLASSROOM-401 DRINKING WATER FOUNTAIN	BRL	140
W67A	CLASSROOM-401 FAUCET	BRL	158
W68A	IN FRONT OF CLASSROOM 101- DRINKING WATER FOUNTAIN (RIGHT)	BRL	122
W69A	IN FRONT OF CLASSROOM 101- DRINKING WATER FOUNTAIN (LEFT)	BRL	111
W70A	NEAR CLASSROOM-143 DRINKING WATER FOUNTAIN (RIGHT)	0.517	108
W71A	NEAR CLASSROOM-143 DRINKING WATER FOUNTAIN (LEFT)	BRL	102
W72A	CLASSROOM-112 DRINKING WATER FOUNTAIN	1.15	171
W73A	CLASSROOM-112 FAUCET	BRL	117

TABLE 4.1 SUMMARY OF LEAD AND COPPER IN DRINKING WATER SAMPLING RESULTS FOUNTAIN ELEMENTARY SCHOOL FOREST PARK, GEORGIA			
SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W74A	CLINIC- FAUCET	BRL	229
W75A	ADMINISTRATION OFFICE BREAK ROOM- FAUCET	1.49	197

BRL – Below Reporting Limits

µg/L – micrograms per liter

Results in **bold** indicate levels above the EPA PWS Action Level of 15 µg/L for Lead or 1300 µg/L for copper in Drinking Water

5.0 CONCLUSIONS

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

1. A total of 75 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 Fountain Elementary School. Seventy-one (71) first draw water samples were submitted to the laboratory for analysis, and based on the reported use, one initial first draw sample collected from an outlet in the kitchen was not analyzed for lead and copper content per the Client's request.
2. None of the 74 samples collected and analyzed for lead were reported to be greater than the EPA PWS AL of 15 µg/L for lead in drinking water.
3. None of the 74 samples collected and analyzed for copper were reported to be greater than 1,300 µg/L for copper in drinking water.
4. 15 of the 74 first draw water samples analyzed indicated detectable levels of lead. None of the first draw water samples with detectable levels of lead were greater than the EPA PWS AL of 15µg/L.
5. 74 of the 74 first draw water samples analyzed indicated detectable levels of copper. None of the 74 first draw water samples with detectable levels of copper were greater than 1,300µg/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 the sampling event.

APPENDIX A
Laboratory Analytical Results and
Chain of Custody

6/6/2018

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

Ref: Analytical Testing
Lab Report Number: 18-151-0294
Client Project Description: CCPS: Fountain Elementary
Forrest Park, GA
Project #18000-18861

Dear Mr. Matthew Howe:

Waypoint Analytical, Inc. received sample(s) on 5/31/2018 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	



Sample Summary Table

Report Number: 18-151-0294
Client Project Description: CCPS: Fountain Elementary
Forrest Park, GA
Project #18000-18861

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
99179	W1-A	Aqueous	05/30/2018 03:23	05/31/2018
99180	W2-A	Aqueous	05/30/2018 03:24	05/31/2018
99181	W3-A	Aqueous	05/30/2018 03:25	05/31/2018
99182	W4-A	Aqueous	05/30/2018 03:29	05/31/2018
99183	W5-A	Aqueous	05/30/2018 03:30	05/31/2018
99184	W6-A	Aqueous	05/30/2018 03:31	05/31/2018
99185	W7-A	Aqueous	05/30/2018 03:32	05/31/2018
99186	W8-A	Aqueous	05/30/2018 03:34	05/31/2018
99187	W9-A	Aqueous	05/30/2018 03:34	05/31/2018
99188	W10-A	Aqueous	05/30/2018 03:35	05/31/2018
99189	W11-A	Aqueous	05/30/2018 03:36	05/31/2018
99190	W12-A	Aqueous	05/30/2018 03:37	05/31/2018
99191	W13-A	Aqueous	05/30/2018 03:38	05/31/2018
99192	W14-A	Aqueous	05/30/2018 03:39	05/31/2018
99193	W15-A	Aqueous	05/30/2018 03:44	05/31/2018
99194	W16-A	Aqueous	05/30/2018 03:44	05/31/2018
99195	W17-A	Aqueous	05/30/2018 03:45	05/31/2018
99196	W18-A	Aqueous	05/30/2018 03:46	05/31/2018
99197	W19-A	Aqueous	05/30/2018 03:48	05/31/2018
99198	W20-A	Aqueous	05/30/2018 03:49	05/31/2018
99199	W21-A	Aqueous	05/30/2018 03:50	05/31/2018
99200	W22-A	Aqueous	05/30/2018 03:51	05/31/2018
99201	W23-A	Aqueous	05/30/2018 03:53	05/31/2018
99202	W24-A	Aqueous	05/30/2018 03:59	05/31/2018
99203	W25-A	Aqueous	05/30/2018 04:00	05/31/2018
99204	W27-A	Aqueous	05/30/2018 04:02	05/31/2018

Sample Summary Table

Report Number: 18-151-0294
Client Project Description: CCPS: Fountain Elementary
Forrest Park, GA
Project #18000-18861

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
99205	W28-A	Aqueous	05/30/2018 04:04	05/31/2018
99206	W29-A	Aqueous	05/30/2018 04:05	05/31/2018
99207	W30-A	Aqueous	05/30/2018 04:05	05/31/2018
99208	W31-A	Aqueous	05/30/2018 04:07	05/31/2018
99209	W32-A	Aqueous	05/30/2018 04:08	05/31/2018
99210	W33-A	Aqueous	05/30/2018 04:25	05/31/2018
99211	W34-A	Aqueous	05/30/2018 04:25	05/31/2018
99212	W35-A	Aqueous	05/30/2018 04:27	05/31/2018
99213	W36-A	Aqueous	05/30/2018 04:27	05/31/2018
99214	W37-A	Aqueous	05/30/2018 04:28	05/31/2018
99215	W38-A	Aqueous	05/30/2018 04:28	05/31/2018
99216	W39-A	Aqueous	05/30/2018 04:30	05/31/2018
99217	W40-A	Aqueous	05/30/2018 04:30	05/31/2018
99218	W41-A	Aqueous	05/30/2018 04:33	05/31/2018
99219	W42-A	Aqueous	05/30/2018 04:34	05/31/2018
99220	W43-A	Aqueous	05/30/2018 04:37	05/31/2018
99221	W44-A	Aqueous	05/30/2018 04:37	05/31/2018
99222	W45-A	Aqueous	05/30/2018 04:40	05/31/2018
99223	W46-A	Aqueous	05/30/2018 04:42	05/31/2018
99224	W47-A	Aqueous	05/30/2018 04:42	05/31/2018
99225	W48-A	Aqueous	05/30/2018 04:42	05/31/2018
99226	W49-A	Aqueous	05/30/2018 04:44	05/31/2018
99227	W50-A	Aqueous	05/30/2018 04:45	05/31/2018
99228	W51-A	Aqueous	05/30/2018 04:46	05/31/2018
99229	W52-A	Aqueous	05/30/2018 04:46	05/31/2018
99230	W53-A	Aqueous	05/30/2018 04:49	05/31/2018

Sample Summary Table

Report Number: 18-151-0294
Client Project Description: CCPS: Fountain Elementary
Forrest Park, GA
Project #18000-18861

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
99231	W54-A	Aqueous	05/30/2018 04:49	05/31/2018
99232	W55-A	Aqueous	05/30/2018 04:52	05/31/2018
99233	W56-A	Aqueous	05/30/2018 04:52	05/31/2018
99234	W57-A	Aqueous	05/30/2018 04:55	05/31/2018
99235	W58-A	Aqueous	05/30/2018 04:55	05/31/2018
99236	W59-A	Aqueous	05/30/2018 04:57	05/31/2018
99237	W60-A	Aqueous	05/30/2018 04:57	05/31/2018
99238	W61-A	Aqueous	05/30/2018 05:04	05/31/2018
99239	W62-A	Aqueous	05/30/2018 05:04	05/31/2018
99240	W63-A	Aqueous	05/30/2018 05:09	05/31/2018
99241	W64-A	Aqueous	05/30/2018 05:09	05/31/2018
99242	W65-A	Aqueous	05/30/2018 05:11	05/31/2018
99243	W66-A	Aqueous	05/30/2018 05:20	05/31/2018
99244	W67-A	Aqueous	05/30/2018 05:20	05/31/2018
99245	W68-A	Aqueous	05/30/2018 05:20	05/31/2018
99246	W69-A	Aqueous	05/30/2018 05:20	05/31/2018
99247	W70-A	Aqueous	05/30/2018 05:24	05/31/2018
99248	W71-A	Aqueous	05/30/2018 05:24	05/31/2018
99249	W72-A	Aqueous	05/30/2018 05:28	05/31/2018
99250	W73-A	Aqueous	05/30/2018 05:28	05/31/2018
99251	W74-A	Aqueous	05/30/2018 06:17	05/31/2018
99252	W75-A	Aqueous	05/30/2018 06:18	05/31/2018

Summary of Detected Analytes

Project: CCPS: Fountain Elementary

Report Number: 18-151-0294

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W1-A	L 99179					
EPA-200.8	Copper	289	µg/L	0.500	06/05/2018 10:13	
EPA-200.8	Lead	9.36	µg/L	0.500	06/04/2018 20:10	
W2-A	L 99180					
EPA-200.8	Copper	53.4	µg/L	0.500	06/05/2018 10:16	
EPA-200.8	Lead	6.81	µg/L	0.500	06/04/2018 20:15	
W3-A	L 99181					
EPA-200.8	Copper	257	µg/L	0.500	06/05/2018 10:17	
EPA-200.8	Lead	1.24	µg/L	0.500	06/04/2018 20:18	
W4-A	L 99182					
EPA-200.8	Copper	68.1	µg/L	0.500	06/05/2018 10:20	
W5-A	L 99183					
EPA-200.8	Copper	71.0	µg/L	0.500	06/05/2018 10:22	
W6-A	L 99184					
EPA-200.8	Copper	161	µg/L	0.500	06/05/2018 10:23	
W7-A	L 99185					
EPA-200.8	Copper	156	µg/L	0.500	06/05/2018 10:26	
W8-A	L 99186					
EPA-200.8	Copper	161	µg/L	0.500	06/05/2018 10:29	
W9-A	L 99187					
EPA-200.8	Copper	153	µg/L	0.500	06/05/2018 10:34	
W10-A	L 99188					
EPA-200.8	Copper	169	µg/L	0.500	06/05/2018 10:37	
W11-A	L 99189					
EPA-200.8	Copper	165	µg/L	0.500	06/05/2018 10:40	
W12-A	L 99190					
EPA-200.8	Copper	246	µg/L	0.500	06/05/2018 10:43	
EPA-200.8	Lead	0.536	µg/L	0.500	06/04/2018 21:06	
W13-A	L 99191					
EPA-200.8	Copper	223	µg/L	0.500	06/05/2018 10:46	
EPA-200.8	Lead	0.620	µg/L	0.500	06/04/2018 21:11	
W14-A	L 99192					
EPA-200.8	Copper	65.5	µg/L	0.500	06/05/2018 10:48	

Summary of Detected Analytes

Project: CCPS: Fountain Elementary

Report Number: 18-151-0294

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W15-A	L 99193					
EPA-200.8	Copper	155	µg/L	0.500	06/05/2018 10:50	
W16-A	L 99194					
EPA-200.8	Copper	153	µg/L	0.500	06/05/2018 10:53	
W17-A	L 99195					
EPA-200.8	Copper	166	µg/L	0.500	06/05/2018 10:56	
W18-A	L 99196					
EPA-200.8	Copper	151	µg/L	0.500	06/05/2018 10:59	
W19-A	L 99197					
EPA-200.8	Copper	166	µg/L	0.500	06/05/2018 11:04	
W20-A	L 99198					
EPA-200.8	Copper	152	µg/L	0.500	06/05/2018 11:07	
W21-A	L 99199					
EPA-200.8	Copper	175	µg/L	0.500	06/05/2018 11:22	
W22-A	L 99200					
EPA-200.8	Copper	174	µg/L	0.500	06/05/2018 11:25	
EPA-200.8	Lead	0.639	µg/L	0.500	06/04/2018 22:32	
W23-A	L 99201					
EPA-200.8	Copper	74.8	µg/L	0.500	06/05/2018 11:30	
W24-A	L 99202					
EPA-200.8	Copper	120	µg/L	0.500	06/05/2018 11:32	
W27-A	L 99204					
EPA-200.8	Copper	129	µg/L	0.500	06/05/2018 11:36	
W28-A	L 99205					
EPA-200.8	Copper	148	µg/L	0.500	06/05/2018 11:39	
W29-A	L 99206					
EPA-200.8	Copper	142	µg/L	0.500	06/05/2018 11:42	
W30-A	L 99207					
EPA-200.8	Copper	112	µg/L	0.500	06/05/2018 11:45	
W31-A	L 99208					
EPA-200.8	Copper	137	µg/L	0.500	06/05/2018 11:48	

Summary of Detected Analytes

Project: CCPS: Fountain Elementary

Report Number: 18-151-0294

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W32-A	L 99209					
EPA-200.8	Copper	144	µg/L	0.500	06/05/2018 11:51	
W33-A	L 99210					
EPA-200.8	Copper	277	µg/L	0.500	06/05/2018 11:53	
W34-A	L 99211					
EPA-200.8	Copper	253	µg/L	0.500	06/05/2018 11:59	
W35-A	L 99212					
EPA-200.8	Copper	188	µg/L	0.500	06/05/2018 12:02	
W36-A	L 99213					
EPA-200.8	Copper	205	µg/L	0.500	06/05/2018 12:04	
W37-A	L 99214					
EPA-200.8	Copper	201	µg/L	0.500	06/05/2018 12:07	
W38-A	L 99215					
EPA-200.8	Copper	194	µg/L	0.500	06/05/2018 12:10	
W39-A	L 99216					
EPA-200.8	Copper	197	µg/L	0.500	06/05/2018 12:13	
W40-A	L 99217					
EPA-200.8	Copper	185	µg/L	0.500	06/05/2018 12:16	
W41-A	L 99218					
EPA-200.8	Copper	152	µg/L	0.500	06/05/2018 12:19	
W42-A	L 99219					
EPA-200.8	Copper	150	µg/L	0.500	06/05/2018 12:37	
W43-A	L 99220					
EPA-200.8	Copper	180	µg/L	0.500	06/05/2018 12:40	
W44-A	L 99221					
EPA-200.8	Copper	176	µg/L	0.500	06/05/2018 12:43	
W45-A	L 99222					
EPA-200.8	Copper	220	µg/L	0.500	06/05/2018 12:46	
EPA-200.8	Lead	1.12	µg/L	0.500	06/05/2018 00:34	
W46-A	L 99223					
EPA-200.8	Copper	189	µg/L	0.500	06/05/2018 12:49	
EPA-200.8	Lead	0.892	µg/L	0.500	06/05/2018 00:47	

Summary of Detected Analytes

Project: CCPS: Fountain Elementary

Report Number: 18-151-0294

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W47-A	L 99224					
EPA-200.8	Copper	552	µg/L	0.500	06/05/2018 12:52	
EPA-200.8	Lead	1.70	µg/L	0.500	06/05/2018 00:50	
W48-A	L 99225					
EPA-200.8	Copper	317	µg/L	0.500	06/05/2018 12:57	
EPA-200.8	Lead	0.686	µg/L	0.500	06/05/2018 00:54	
W49-A	L 99226					
EPA-200.8	Copper	101	µg/L	0.500	06/05/2018 13:00	
W50-A	L 99227					
EPA-200.8	Copper	102	µg/L	0.500	06/05/2018 13:03	
W51-A	L 99228					
EPA-200.8	Copper	171	µg/L	0.500	06/05/2018 13:05	
W52-A	L 99229					
EPA-200.8	Copper	173	µg/L	0.500	06/05/2018 13:08	
W53-A	L 99230					
EPA-200.8	Copper	216	µg/L	0.500	06/05/2018 13:11	
W54-A	L 99231					
EPA-200.8	Copper	181	µg/L	0.500	06/05/2018 13:14	
W55-A	L 99232					
EPA-200.8	Copper	175	µg/L	0.500	06/05/2018 13:17	
EPA-200.8	Lead	1.06	µg/L	0.500	06/05/2018 01:18	
W56-A	L 99233					
EPA-200.8	Copper	165	µg/L	0.500	06/05/2018 13:20	
W57-A	L 99234					
EPA-200.8	Copper	189	µg/L	0.500	06/05/2018 13:23	
EPA-200.8	Lead	0.672	µg/L	0.500	06/05/2018 01:35	
W58-A	L 99235					
EPA-200.8	Copper	144	µg/L	0.500	06/05/2018 13:28	
W59-A	L 99236					
EPA-200.8	Copper	223	µg/L	0.500	06/05/2018 13:31	
W60-A	L 99237					
EPA-200.8	Copper	147	µg/L	0.500	06/05/2018 13:34	

Summary of Detected Analytes

Project: CCPS: Fountain Elementary

Report Number: 18-151-0294

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W61-A	L 99238					
EPA-200.8	Copper	176	µg/L	0.500	06/05/2018 13:37	
W62-A	L 99239					
EPA-200.8	Copper	165	µg/L	0.500	06/05/2018 13:56	
W63-A	L 99240					
EPA-200.8	Copper	64.6	µg/L	0.500	06/05/2018 13:59	
W64-A	L 99241					
EPA-200.8	Copper	62.8	µg/L	0.500	06/05/2018 14:01	
W65-A	L 99242					
EPA-200.8	Copper	222	µg/L	0.500	06/05/2018 14:02	
W66-A	L 99243					
EPA-200.8	Copper	140	µg/L	0.500	06/05/2018 14:05	
W67-A	L 99244					
EPA-200.8	Copper	158	µg/L	0.500	06/05/2018 14:08	
W68-A	L 99245					
EPA-200.8	Copper	122	µg/L	0.500	06/05/2018 14:17	
W69-A	L 99246					
EPA-200.8	Copper	111	µg/L	0.500	06/05/2018 14:18	
W70-A	L 99247					
EPA-200.8	Copper	108	µg/L	0.500	06/05/2018 14:20	
EPA-200.8	Lead	0.517	µg/L	0.500	06/05/2018 03:05	
W71-A	L 99248					
EPA-200.8	Copper	102	µg/L	0.500	06/05/2018 14:21	
W72-A	L 99249					
EPA-200.8	Copper	171	µg/L	0.500	06/05/2018 14:26	
EPA-200.8	Lead	1.15	µg/L	0.500	06/05/2018 03:12	
W73-A	L 99250					
EPA-200.8	Copper	117	µg/L	0.500	06/05/2018 14:28	
W74-A	L 99251					
EPA-200.8	Copper	229	µg/L	0.500	06/05/2018 14:29	
W75-A	L 99252					
EPA-200.8	Copper	197	µg/L	0.500	06/05/2018 14:30	



Summary of Detected Analytes

Project: CCPS: Fountain Elementary

Report Number: 18-151-0294

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W75-A	L 99252					
EPA-200.8	Lead	1.49	µg/L	0.500	06/05/2018 03:22	

Client: GLE Associates
Project: CCPS: Fountain Elementary
Lab Report Number: 18-151-0294
Date: 6/6/2018

CASE NARRATIVE

Metals Analyses Method EPA-200.8

Analyte: Cu

QC Batch No: L384638/L384066

One or more Internal Standards are outside method acceptance criteria. Re-analysis and/or sample dilutions are required.

Sample 99218 (W41-A)

QC Batch No: L384838/L384068

The matrix spike (MS) and/or the matrix spike duplicate (MSD) was out of the acceptable recovery range due to the analyte concentration being greater than 25 times the method quantitation limit (MQL). A dilution test was performed and the recovery was within the method limits. No matrix interference is suspected.

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99179**

Sample ID : **W1-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:23**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	289	µg/L	0.500	1	06/05/18 10:13	CCR	EPA-200.8
Lead	9.36	µg/L	0.500	1	06/04/18 20:10	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

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Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99180**

Sample ID : **W2-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:24**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	53.4	µg/L	0.500	1	06/05/18 10:16	CCR	EPA-200.8
Lead	6.81	µg/L	0.500	1	06/04/18 20:15	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99181**

Sample ID : **W3-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	257	µg/L	0.500	1	06/05/18 10:17	CCR	EPA-200.8
Lead	1.24	µg/L	0.500	1	06/04/18 20:18	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date: 06/06/2018

Received: 5/31/2018



Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99182**

Sample ID: **W4-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:29**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	68.1	µg/L	0.500	1	06/05/18 10:20	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 20:23	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99183**

Sample ID : **W5-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	71.0	µg/L	0.500	1	06/05/18 10:22	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 20:26	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99184**

Sample ID : **W6-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:31**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	161	µg/L	0.500	1	06/05/18 10:23	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 20:30	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99185**

Sample ID : **W7-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:32**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	156	µg/L	0.500	1	06/05/18 10:26	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 20:41	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99186**

Sample ID : **W8-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:34**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	161	µg/L	0.500	1	06/05/18 10:29	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 20:46	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99187**

Sample ID : **W9-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:34**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	153	µg/L	0.500	1	06/05/18 10:34	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 20:51	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date: 06/06/2018

Received: 5/31/2018



Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99188**

Sample ID: **W10-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	169	µg/L	0.500	1	06/05/18 10:37	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 20:56	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99189**

Matrix: **Aqueous**

Sample ID : **W11-A**

Sampled: **5/30/2018 3:36**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	165	µg/L	0.500	1	06/05/18 10:40	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 21:01	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date: 06/06/2018

Received: 5/31/2018



Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99190**

Sample ID: **W12-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:37**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	246	µg/L	0.500	1	06/05/18 10:43	CCR	EPA-200.8
Lead	0.536	µg/L	0.500	1	06/04/18 21:06	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99191**

Sample ID : **W13-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:38**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	223	µg/L	0.500	1	06/05/18 10:46	CCR	EPA-200.8
Lead	0.620	µg/L	0.500	1	06/04/18 21:11	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date: 06/06/2018

Received: 5/31/2018



Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99192**

Sample ID: **W14-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:39**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	65.5	µg/L	0.500	1	06/05/18 10:48	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 21:16	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99193**

Sample ID : **W15-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:44**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	155	µg/L	0.500	1	06/05/18 10:50	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 21:19	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date: 06/06/2018

Received: 5/31/2018



Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99194**

Sample ID: **W16-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:44**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	153	µg/L	0.500	1	06/05/18 10:53	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 21:24	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date: 06/06/2018

Received: 5/31/2018



Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99195**

Sample ID: **W17-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:45**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	166	µg/L	0.500	1	06/05/18 10:56	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 21:38	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date: 06/06/2018

Received: 5/31/2018



Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99196**

Sample ID: **W18-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:46**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	151	µg/L	0.500	1	06/05/18 10:59	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 21:41	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date: 06/06/2018

Received: 5/31/2018



Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99197**

Sample ID: **W19-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:48**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	166	µg/L	0.500	1	06/05/18 11:04	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 21:45	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99198**

Sample ID : **W20-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:49**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	152	µg/L	0.500	1	06/05/18 11:07	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 21:48	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99199**

Matrix: **Aqueous**

Sample ID : **W21-A**

Sampled: **5/30/2018 3:50**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	175	µg/L	0.500	1	06/05/18 11:22	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 22:29	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99200**

Sample ID : **W22-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:51**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	174	µg/L	0.500	1	06/05/18 11:25	CCR	EPA-200.8
Lead	0.639	µg/L	0.500	1	06/04/18 22:32	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

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Report Date : 06/06/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99201**

Sample ID : **W23-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:53**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	74.8	µg/L	0.500	1	06/05/18 11:30	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 22:36	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99202**

Sample ID : **W24-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 3:59**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	120	µg/L	0.500	1	06/05/18 11:32	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 22:39	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

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Report Date : 06/06/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99203**

Sample ID : **W25-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:00**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	<0.500	µg/L	0.500	1	06/05/18 11:35	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 22:43	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99204**

Sample ID : **W27-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:02**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	129	µg/L	0.500	1	06/05/18 11:36	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 22:46	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99205**

Sample ID : **W28-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:04**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	148	µg/L	0.500	1	06/05/18 11:39	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 22:49	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

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Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99206**

Sample ID : **W29-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:05**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	142	µg/L	0.500	1	06/05/18 11:42	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 22:53	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99207**

Sample ID : **W30-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:05**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	112	µg/L	0.500	1	06/05/18 11:45	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 22:56	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

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Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99208**

Sample ID : **W31-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:07**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	137	µg/L	0.500	1	06/05/18 11:48	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 23:00	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

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Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99209**

Sample ID : **W32-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:08**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	144	µg/L	0.500	1	06/05/18 11:51	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 23:13	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99210**

Sample ID : **W33-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	277	µg/L	0.500	1	06/05/18 11:53	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 23:17	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99211**

Sample ID : **W34-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	253	µg/L	0.500	1	06/05/18 11:59	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 23:20	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99212**

Sample ID : **W35-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:27**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	188	µg/L	0.500	1	06/05/18 12:02	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 23:23	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

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Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99213**

Sample ID : **W36-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:27**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	205	µg/L	0.500	1	06/05/18 12:04	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 23:27	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99214**

Sample ID : **W37-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:28**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	201	µg/L	0.500	1	06/05/18 12:07	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 23:30	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99215**

Sample ID : **W38-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:28**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	194	µg/L	0.500	1	06/05/18 12:10	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 23:34	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

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Report Date : 06/06/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99216**

Sample ID : **W39-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	197	µg/L	0.500	1	06/05/18 12:13	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 23:37	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

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Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99217**

Sample ID: **W40-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	185	µg/L	0.500	1	06/05/18 12:16	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 23:41	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

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Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99218**

Sample ID : **W41-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:33**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	152	µg/L	0.500	1	06/05/18 12:19	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/04/18 23:44	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

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Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99219**

Sample ID : **W42-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:34**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	150	µg/L	0.500	1	06/05/18 12:37	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 00:23	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99220**

Sample ID : **W43-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:37**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	180	µg/L	0.500	1	06/05/18 12:40	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 00:27	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

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GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

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Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99221**

Sample ID: **W44-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:37**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	176	µg/L	0.500	1	06/05/18 12:43	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 00:30	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

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Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

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Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99222**

Sample ID : **W45-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:40**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	220	µg/L	0.500	1	06/05/18 12:46	CCR	EPA-200.8
Lead	1.12	µg/L	0.500	1	06/05/18 00:34	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

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Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

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Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99223**

Sample ID: **W46-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:42**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	189	µg/L	0.500	1	06/05/18 12:49	CCR	EPA-200.8
Lead	0.892	µg/L	0.500	1	06/05/18 00:47	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

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Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99224**

Sample ID: **W47-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:42**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	552	µg/L	0.500	1	06/05/18 12:52	CCR	EPA-200.8
Lead	1.70	µg/L	0.500	1	06/05/18 00:50	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

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Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99225**

Sample ID : **W48-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:42**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	317	µg/L	0.500	1	06/05/18 12:57	CCR	EPA-200.8
Lead	0.686	µg/L	0.500	1	06/05/18 00:54	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99226**

Sample ID : **W49-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:44**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	101	µg/L	0.500	1	06/05/18 13:00	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 00:57	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99227**

Sample ID : **W50-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:45**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	102	µg/L	0.500	1	06/05/18 13:03	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 01:01	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99228**

Sample ID : **W51-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:46**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	171	µg/L	0.500	1	06/05/18 13:05	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 01:04	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99229**

Sample ID : **W52-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:46**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	173	µg/L	0.500	1	06/05/18 13:08	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 01:08	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date: 06/06/2018

Received: 5/31/2018



Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99230**

Sample ID: **W53-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:49**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	216	µg/L	0.500	1	06/05/18 13:11	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 01:11	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99231**

Sample ID : **W54-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:49**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	181	µg/L	0.500	1	06/05/18 13:14	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 01:15	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99232**

Sample ID : **W55-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:52**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	175	µg/L	0.500	1	06/05/18 13:17	CCR	EPA-200.8
Lead	1.06	µg/L	0.500	1	06/05/18 01:18	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date: 06/06/2018

Received: 5/31/2018



Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99233**

Sample ID: **W56-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:52**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	165	µg/L	0.500	1	06/05/18 13:20	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 01:31	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date: 06/06/2018

Received: 5/31/2018



Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99234**

Sample ID: **W57-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:55**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	189	µg/L	0.500	1	06/05/18 13:23	CCR	EPA-200.8
Lead	0.672	µg/L	0.500	1	06/05/18 01:35	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date: 06/06/2018

Received: 5/31/2018



Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99235**

Sample ID: **W58-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:55**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	144	µg/L	0.500	1	06/05/18 13:28	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 01:38	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99236**

Sample ID : **W59-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:57**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	223	µg/L	0.500	1	06/05/18 13:31	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 01:42	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99237**

Sample ID : **W60-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 4:57**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	147	µg/L	0.500	1	06/05/18 13:34	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 01:45	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99238**

Sample ID : **W61-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 5:04**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	176	µg/L	0.500	1	06/05/18 13:37	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 01:49	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99239**

Sample ID : **W62-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 5:04**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	165	µg/L	0.500	1	06/05/18 13:56	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 02:28	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99240**

Sample ID : **W63-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 5:09**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	64.6	µg/L	0.500	1	06/05/18 13:59	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 02:31	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99241**

Sample ID : **W64-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 5:09**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	62.8	µg/L	0.500	1	06/05/18 14:01	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 02:34	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99242**

Sample ID : **W65-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 5:11**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	222	µg/L	0.500	1	06/05/18 14:02	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 02:38	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99243**

Sample ID : **W66-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 5:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	140	µg/L	0.500	1	06/05/18 14:05	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 02:41	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99244**

Sample ID : **W67-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 5:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	158	µg/L	0.500	1	06/05/18 14:08	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 02:45	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date: 06/06/2018

Received: 5/31/2018



Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99245**

Sample ID: **W68-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 5:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	122	µg/L	0.500	1	06/05/18 14:17	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 02:48	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

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Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99246**

Sample ID : **W69-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 5:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	111	µg/L	0.500	1	06/05/18 14:18	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 02:52	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date: 06/06/2018

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Andrea R. Brownfield
Project manager

Report Number: **18-151-0294**

REPORT OF ANALYSIS

Lab No: **99247**

Sample ID: **W70-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 5:24**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	108	µg/L	0.500	1	06/05/18 14:20	CCR	EPA-200.8
Lead	0.517	µg/L	0.500	1	06/05/18 03:05	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99248**

Sample ID : **W71-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 5:24**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	102	µg/L	0.500	1	06/05/18 14:21	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 03:09	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information: Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99249**

Sample ID : **W72-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 5:28**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	171	µg/L	0.500	1	06/05/18 14:26	CCR	EPA-200.8
Lead	1.15	µg/L	0.500	1	06/05/18 03:12	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

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Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99250**

Sample ID : **W73-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 5:28**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	117	µg/L	0.500	1	06/05/18 14:28	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 03:16	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99251**

Sample ID : **W74-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 6:17**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	229	µg/L	0.500	1	06/05/18 14:29	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	06/05/18 03:19	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW Suite 820

Suite 820

Atlanta, GA 30309

Project CCPS: Fountain Elementary

Information : Forrest Park, GA

Project #18000-18861

Report Date : 06/06/2018

Received : 5/31/2018



Andrea R. Brownfield
Project manager

Report Number : **18-151-0294**

REPORT OF ANALYSIS

Lab No : **99252**

Sample ID : **W75-A**

Matrix: **Aqueous**

Sampled: **5/30/2018 6:18**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	197	µg/L	0.500	1	06/05/18 14:30	CCR	EPA-200.8
Lead	1.49	µg/L	0.500	1	06/05/18 03:22	CCR	EPA-200.8

Qualifiers/ Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Fountain Elementary
Report No: 18-151-0294

QC Prep: L384066 **QC Analytical Batch(es):** L384638,L384838
QC Prep Batch Method: EPA-200.8 **Analysis Method:** EPA-200.8
Analysis Description: Metals Analyses

Lab Reagent Blank		LRB-L384066		Matrix: AQU	
Associated Lab Samples: 99179, 99180, 99181, 99182, 99183, 99184, 99185, 99186, 99187, 99188, 99189, 99190, 99191, 99192, 99193, 99194					
Parameter	Units	Blank Result	MQL	Analyzed	
Copper	µg/L	0.583	0.500	06/05/18 10:10	
Lead	µg/L	< 0.500	0.500	06/04/18 20:03	

Laboratory Control Sample		LCS-L384066			
Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	51.7	103	85-115
Lead	µg/L	50.3	50.8	101	85-115

Matrix Spike & Matrix Spike Duplicate		L 99198-MS-L384066	L 99198-MSD-L384066								
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	152	50.3	50.3	193	190	81.5	75.6	70-130	1.5	20.0
Lead	µg/L	< 0.503	50.3	50.3	52.0	53.3	103	106	70-130	2.4	20.0

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Fountain Elementary
Report No: 18-151-0294

QC Prep: L384068
QC Prep Batch Method: EPA-200.8
QC Analytical Batch(es): L384638,L384838
Analysis Method: EPA-200.8
Analysis Description: Metals Analyses

Lab Reagent Blank LRB-L384068 Matrix: AQU
Associated Lab Samples: 99199, 99200, 99201, 99202, 99203, 99204, 99205, 99206, 99207, 99208, 99209, 99210, 99211, 99212, 99213, 99214

Parameter	Units	Blank Result	MQL	Analyzed
Copper	µg/L	< 0.500	0.500	06/05/18 11:20
Lead	µg/L	< 0.500	0.500	06/04/18 22:12

Laboratory Control Sample LCS-L384068

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	52.0	103	85-115
Lead	µg/L	50.3	51.8	103	85-115

Matrix Spike & Matrix Spike Duplicate L 99218-MS-L384068 L 99218-MSD-L384068

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	152	50.3	50.3	185	184	65.6*	63.6*	70-130	0.5	20.0
Lead	µg/L	< 0.503	50.3	50.3	51.2	48.6	102	96.7	70-130	5.2	20.0

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Fountain Elementary
Report No: 18-151-0294

QC Prep: L384070 **QC Analytical Batch(es):** L384638,L384838
QC Prep Batch Method: EPA-200.8 **Analysis Method:** EPA-200.8
Analysis Description: Metals Analyses

Lab Reagent Blank		LRB-L384070			Matrix: AQU						
Associated Lab Samples:		99219, 99220, 99221, 99222, 99223, 99224, 99225, 99226, 99227, 99228, 99229, 99230, 99231, 99232, 99233, 99234									
Parameter	Units	Blank Result	MQL		Analyzed						
Copper	µg/L	< 0.500	0.500		06/05/18 12:34						
Lead	µg/L	< 0.500	0.500		06/05/18 00:16						

Laboratory Control Sample		LCS-L384070			
Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	48.9	97.3	85-115
Lead	µg/L	50.3	51.0	101	85-115

Matrix Spike & Matrix Spike Duplicate		L 99238-MS-L384070	L 99238-MSD-L384070								
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	176	50.3	50.3	218	214	83.5	75.6	70-130	1.8	20.0
Lead	µg/L	< 0.503	50.3	50.3	48.8	50.1	97.1	99.6	70-130	2.6	20.0

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Fountain Elementary
Report No: 18-151-0294

QC Prep: L384321
QC Prep Batch Method: EPA-200.8
QC Analytical Batch(es): L384638,L384838
Analysis Method: EPA-200.8
Analysis Description: Metals Analyses

Lab Reagent Blank LRB-L384321 Matrix: AQU
Associated Lab Samples: 99239, 99240, 99241, 99242, 99243, 99244, 99245, 99246, 99247, 99248, 99249, 99250, 99251, 99252

Parameter	Units	Blank Result	MQL	Analyzed
Copper	µg/L	< 0.500	0.500	06/05/18 13:50
Lead	µg/L	< 0.500	0.500	06/05/18 02:21

Laboratory Control Sample LCS-L384321

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	49.0	97.5	85-115
Lead	µg/L	50.3	51.0	101	85-115

Matrix Spike & Matrix Spike Duplicate L 89015-MS-L384321 L 89015-MSD-L384321

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	58.8	50.3	50.3	107	104	95.9	89.9	70-130	2.8	20.0
Lead	µg/L	< 0.503	50.3	50.3	44.8	51.6	89.1	103	70-130	14.1	20.0

Cooler Receipt Form

Customer Number: **23169**

Customer Name: **GLE Associates**

Report Number: **18-151-0294**

Shipping Method

☒ Fed Ex	☐ US Postal	☐ Lab	☐ Other :	
☐ UPS	☐ Client	☐ Courier	Thermometer ID:	NA

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:

Date & Time:

For Laboratory Use Only

Client Name/Address GLE	Client Project Manager/Contact Karina Liley	Billing Information 1100 Spring Street 820 Atlanta, GA	18-151-0294 23169 GLE Associates 05-31-2018 14:16:49 water O - Oil	
Project Description Pb and Cu	Project/Site Location (City/State) Fountain Elem Forest Park, GA	☐ RUSH - Additional charges apply ☐ Special Detection Limit(s) ☐ Date Results Needed	Met ☐ ☐	
Project Number 18000-18861	Project Manager Phone # 404-373-3844	Project Manager Email Kliley@glassociates.com Kliley@glassociates.com	Purchase Order Number	Site/Facility ID # Fountain ES
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400	Unless noted, all containers per Table II of 40 CFR Part 136.	Number of Containers Matrix (Refer to Key) (G)rab or (C)omposite 200.8 Pb 200.8 Cu	Required Analysis / Preservative	Comments/Notes Near DNI1 Health Center Entrance Behind DNI2 Health Center Front Desk DNI3 Health Center Rm 300.4 F Health Center (Right) F Health Center (Left) DNF RM 305 DN RM 305 DNF RM 304 DN RM 304 DNF RM 306
Sample Identification		Client Remarks/Comments		
Date	Time			
05/30/18	0323	W1-A		
	0324	W2-A		
	0325	W3-A		
	0329	W4-A		
	0330	W5-A		
	0331	W6-A		
	0332	W7-A		
	0334	W8-A		
	0334	W9-A		
	0334	W10-A		
For Laboratory Use Only		Client Remarks/Comments		
Ice	Custody Seals	Lab Comments		
Y (N)	Y (N)			
Blank/Cooler Temp		Sampled by (Name - Print) Karina Liley Relinquished by (SIGNATURE) Karina Liley Relinquished by: (SIGNATURE) HUGO ANEZ Relinquished by: (SIGNATURE)		
		Date	Time	Date
		05/30/18	11:04	5/30/18 11:04
		Date	Time	Date
		5/30/18	15:00	5/30/18 15:00
		Date	Time	Date
				5/31/18

Client Name/Address GLE 18-151-0294 23169 05-31-2018 14:16:49 GLE Associates CCPS: Fountain Elementary		Billing Information 1100 Spring Street, 820 Atlanta, GA Method ☐ Fed ☐ Cou Other		Client Project Manager/Contact Matthew Riley Project/Site Location (City/State) Fountain Elementary Project Manager Phone # 404-273-3844		Project Number 18000 - 18861		Site/Facility ID # Fountain ES	
Project Description Pb and Cu		Project Manager Email kriley@gleassociates.com kborders@gleassociates.com		Purchase Order Number		Required Analysis / Preservative		Comments/Notes	
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400		Matrix (Refer to Key)		Number of Containers		(G)rab or (C)omposite		Site/Facility ID # Fountain ES Cool < 10C Na2S2O3 (Micro Only) A Cool <= 6C B H2SO4 pH<2 C None Required D NaOH pH>10 E HNO3 pH<2 F HCl pH<2 G H3PO4 pH<2 H Cool <= 6C Na2S2O3 I	
Sample Identification Unless noted, all containers per Table II of 40 CFR Part 136.		Date 05/30/18		Time 0350		W21-A		DNF LM 301	
		0351		W22-A		DNF LM 301		F Cafeteria	
		0353		W23-A				DNF Kitchen & Hall (left)	
		0359		W24-A				ICE	
		0400		W25-A				KK	
		0401		W26-A				DW2 Kitchen Street front bathroom	
		0402		W27-A				DW3 North wall	
		0404		W28-A				Pot filler kitchen	
		0405		W29-A				Steamers kitchen	
		0405		W30-A				DW4 E wall (kitchen left)	
For Laboratory Use Only		Client Remarks/Comments		Sampled by (Name - Print) Patricia Riley		Date 5/30/18 11:04		Received by: (SIGNATURE) Hugo Anez	
Ice Y/N		Custody Seals Y/N		Relinquished by: (SIGNATURE) Hugo Anez		Date 5/30/18 15:00		Received by: (SIGNATURE) Hugo Anez	
Blank/Cooler Temp		Lab Comments		Relinquished by: (SIGNATURE) Hugo Anez		Date 5/30/18 15:00		Received by: (SIGNATURE) Hugo Anez	

Client Name/Address: GLE, Project Description: Pb and Cu, Client Project Manager/Contact: K. R. L... 18-151-0294, 23169, 05-31-2018, 14:16:49, Billing Information: 1100 Spring Street, Atlanta, GA, Project Manager Email: Kirtley@gleassociates.com, Project/Site Location: Fountain ES, Project Manager Phone #: 404-373-3844, Project Number: 18000-18861, Waypoint ANALYTICAL, 2790 Whitten Road, Memphis, TN 38133, (901) 213-2400, Sample Identification: W31-A, W32-A, W33-A, W34-A, W35-A, W36-A, W37-A, W38-A, W39-A, W40-A, Date: 05/30/18, Time: 0407, 0408, 0425, 0425, 0427, 0427, 0428, 0428, 0430, 0430, Matrix (Refer to Key): DW 6, HNO3, HNO3, HNO3, HNO3, HNO3, HNO3, HNO3, HNO3, HNO3, Number of Containers: 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, (g)rab or (c)omposite: 20.8 Pb, 20.8 Cu, Required Analysis / Preservative: DW 6 Kitchen (Fountain ES), DW 6 Kitchen E Wall (Fountain ES), DW F RM 247, DW RM 247, DW F RM 246, DW RM 246, DW F RM 248, DW RM 248, DW F RM 245, DW RM 245, Client Remarks/Comments: Sampled by (Name-Print): David D... Relinquished by: (SIGNATURE): [Signature], Date: 05/30/18, Time: 11:04, Received by: (SIGNATURE): Hugo Alvarez, Date: 5/30/18, Time: 11:04, Relinquished by: (SIGNATURE): Hugo Alvarez, Date: 5/30/18, Time: 15:00, Received by: (SIGNATURE): [Signature], Date: 5/30/18, Time: 15:00, Relinquished by: (SIGNATURE): [Signature], Date: 5/31/18, Time: 08:05

Client Name/Address GLE 1100 Spring Street, 820 Atlanta, GA		Billing Information 18-151-0294 23169 05-31-2018 14:16:49 GLE Associates CCPS: Fountain Elementary	
Client Project Manager/Contact Katrina Riley Project/Site Location (City/State) Fountain Elementary Forest Park, GA Project Manager Phone # 404-373-3844		Project Description Pb and Cu Project Number 18000-18861 Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400	
Project Manager Email kriley@gleassociates.com kborders@gleassociates.com		Purchase Order Number Other	
Site/Facility ID # Fountain ES		Required Analysis / Preservative 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	
Number of Containers Unless noted, all containers per Table II of 40 CFR Part 136.		Matrix (Refer to Key) DW 6 HNO3	
Sample Identification W41-A W42-A W43-A W44-A W45-A W46-A W47-A W48-A W49-A W50-A		(c)rab or (c)omposite 200.8 Pb 200.8 C	
Date 05/30/18 Time 0433 0434 0437 0437 0440 0440 0442 0442 0444 0445		Comments/Notes F (right) near bathroom HW F (left) near bathroom HW DWF RM 208 DW RM 208 DWF RM 207 DW RM 207 DWF RM 209 DW RM 209 F (right) in front of RM 209 F (left) in front of 209	
For Laboratory Use Only Ice Custody Seals Blank/Cooler Temp		Client Remarks/Comments Sampled by (Name-Print) Katrina Riley Relinquished by: (SIGNATURE) Relinquished by: (SIGNATURE) Relinquished by: (SIGNATURE)	
Lab Comments		Received by: (SIGNATURE) Hubert Anez Received by: (SIGNATURE) Federer Received by: (SIGNATURE) [Signature]	
Date 05/30/18 Time 11:04 15:00 15:00		Date 5/30/18 5/30/18 5/31/18	

For Laboratory Use Only

Client Name/Address GLE		Client Project Manager/Contact Kristina Riley		Billing Information 1100 Spring Street, 820 Atlanta, GA		Method c ☐ Fed E ☐ Couri		18-151-0294 23169 05-31-2018 14:16:49 GLE Associates CCPS: Fountain Elementary	
Project Description Pb and Cu		Project/Site Location (City/State) Fountain Elementary Forest Park, GA		☐ RUSH - Additional charges apply ☐ Special Detection Limit(s) Date Results Needed		Purchase Order Number		Site/Facility ID # Fountain ES	
Project Number 18000 - 18861		Project Manager Phone # 404 - 373 - 3844		Project Manager Email kristina.riley@gleassociates.com		Other		Cool < 10C Na2S2O3 (Micro Only)	
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400		Number of Containers		Matrix (Refer to Key)		(S)rab or (C)omposite		Cool <= 6C H2SO4 pH<2 None Required NaOH pH>10 HNO3 pH<2 HCl pH<2 H3PO4 pH<2 Cool <= 6C NA2S2O3	
Sample Identification		Date		Time		Required Analysis / Preservative		Comments/Notes	
W51-A		0446		05/30/18		DW G HNO3		DNF RM 206	
W52-A		0446						DN RM 206	
W53-A		0449						DNF RM 210	
W54-A		0449						DN RM 210	
W55-A		0452						DNF RM 205	
W56-A		0452						DN RM 205	
W57-A		0455						DNF RM 211	
W58-A		0455						DN RM 211	
W59-A		0457						DNF RM 204	
W60-A		0457						DN RM 204	
For Laboratory Use Only		Ice		Custody Seals		Lab Comments		Client Remarks/Comments	
		Y/N		Y/N				Date Time Received by: (SIGNATURE) 5/30/18 11:04 Hugo Anez	
		Blank/Cooler Temp						Date Time Received by: (SIGNATURE) 5/30/18 15:00 Fedex	
								Date Time Received by: (SIGNATURE) 5/31/18 0805	

18-151-0294
23169
05-31-2018
14:16:49



GLE Associates
CCPS: Fountain Elementary

DW - Drinking Water S - Soil / Solid O - Oil
P - Product M - Misc

Client Drop Off

Method of

☐ Fed Ex

☐ Courier

Date Results Needed

Other

Purchase Order Number

Site/Facility ID #

Project Manager Email

Project Manager Phone #

Project Number

18000 - 18860

Waypoint

ANALYTICAL

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

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

Sample Identification

Date

Time

0524

0528

0528

0617

0618

W71-A

W72-A

W73-A

W74-A

W75-A

W76-A

W77-A

W78-A

W79-A

W80-A

Number of Containers

Matrix (Refer to Key)

(S)rab or (C)omposite

Required Analysis / Preservative

Comments/Notes

F near RM 143 (1st fl)

DNE RM 112

DW RM 112

Clinic DW

DW Admin office break room

Site/Facility ID #

Purchase Order Number

Project Manager Email

Project Manager Phone #

Project Number

18000 - 18860

Waypoint

ANALYTICAL

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

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

Sample Identification

Date

Time

0524

0528

0528

0617

0618

W71-A

W72-A

W73-A

W74-A

W75-A

W76-A

W77-A

W78-A

W79-A

W80-A

Number of Containers

Matrix (Refer to Key)

(S)rab or (C)omposite

Required Analysis / Preservative

Comments/Notes

F near RM 143 (1st fl)

DNE RM 112

DW RM 112

Clinic DW

DW Admin office break room

Site/Facility ID #

Purchase Order Number

Project Manager Email

Project Manager Phone #

Project Number

18000 - 18860

Waypoint

ANALYTICAL

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

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

Sample Identification

Date

Time

0524

0528

0528

0617

0618

W71-A

W72-A

W73-A

W74-A

W75-A

W76-A

W77-A

W78-A

W79-A

W80-A

Number of Containers

Matrix (Refer to Key)

(S)rab or (C)omposite

Required Analysis / Preservative

Comments/Notes

F near RM 143 (1st fl)

DNE RM 112

DW RM 112

Clinic DW

DW Admin office break room

Site/Facility ID #

Purchase Order Number

Project Manager Email

Project Manager Phone #

Project Number

18000 - 18860

Waypoint

ANALYTICAL

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

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

Sample Identification

Date

Time

0524

0528

0528

0617

0618

W71-A

W72-A

W73-A

W74-A

W75-A

W76-A

W77-A

W78-A

W79-A

W80-A

Number of Containers

Matrix (Refer to Key)

(S)rab or (C)omposite

Required Analysis / Preservative

Comments/Notes

F near RM 143 (1st fl)

DNE RM 112

DW RM 112

Clinic DW

DW Admin office break room

Site/Facility ID #

Purchase Order Number

Project Manager Email

Project Manager Phone #

Project Number

18000 - 18860

Waypoint

ANALYTICAL

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

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

Sample Identification

Date

Time

0524

0528

0528

0617

0618

W71-A

W72-A

W73-A

W74-A

W75-A

W76-A

W77-A

W78-A

W79-A

W80-A

Number of Containers

Matrix (Refer to Key)

(S)rab or (C)omposite

Required Analysis / Preservative

Comments/Notes

F near RM 143 (1st fl)

DNE RM 112

DW RM 112

Clinic DW

DW Admin office break room

Site/Facility ID #

Purchase Order Number

Project Manager Email

Project Manager Phone #

Project Number

18000 - 18860

Waypoint

ANALYTICAL

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

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

Sample Identification

Date

Time

0524

0528

0528

0617

0618

W71-A

W72-A

W73-A

W74-A

W75-A

W76-A

W77-A

W78-A

W79-A

W80-A

Number of Containers

Matrix (Refer to Key)

(S)rab or (C)omposite

Required Analysis / Preservative

Comments/Notes

F near RM 143 (1st fl)

DNE RM 112

DW RM 112

Clinic DW

DW Admin office break room

Site/Facility ID #

Purchase Order Number

Project Manager Email

Project Manager Phone #

Project Number

18000 - 18860

Waypoint

ANALYTICAL

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

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

Sample Identification

Date

Time

0524

0528

0528

0617

0618

W71-A

W72-A

W73-A

W74-A

W75-A

W76-A

W77-A

W78-A

W79-A

W80-A

Number of Containers

Matrix (Refer to Key)

(S)rab or (C)omposite

Required Analysis / Preservative

Comments/Notes

F near RM 143 (1st fl)

DNE RM 112

DW RM 112

Clinic DW

DW Admin office break room

Site/Facility ID #

Purchase Order Number

Project Manager Email

Project Manager Phone #

Project Number

18000 - 18860

Waypoint

ANALYTICAL

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

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

Sample Identification

Date

Time

0524

0528

0528

0617

0618

W71-A

W72-A

W73-A

W74-A

W75-A

W76-A

W77-A

W78-A

W79-A

W80-A

Number of Containers

Matrix (Refer to

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 (Sections 12-5-170 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.

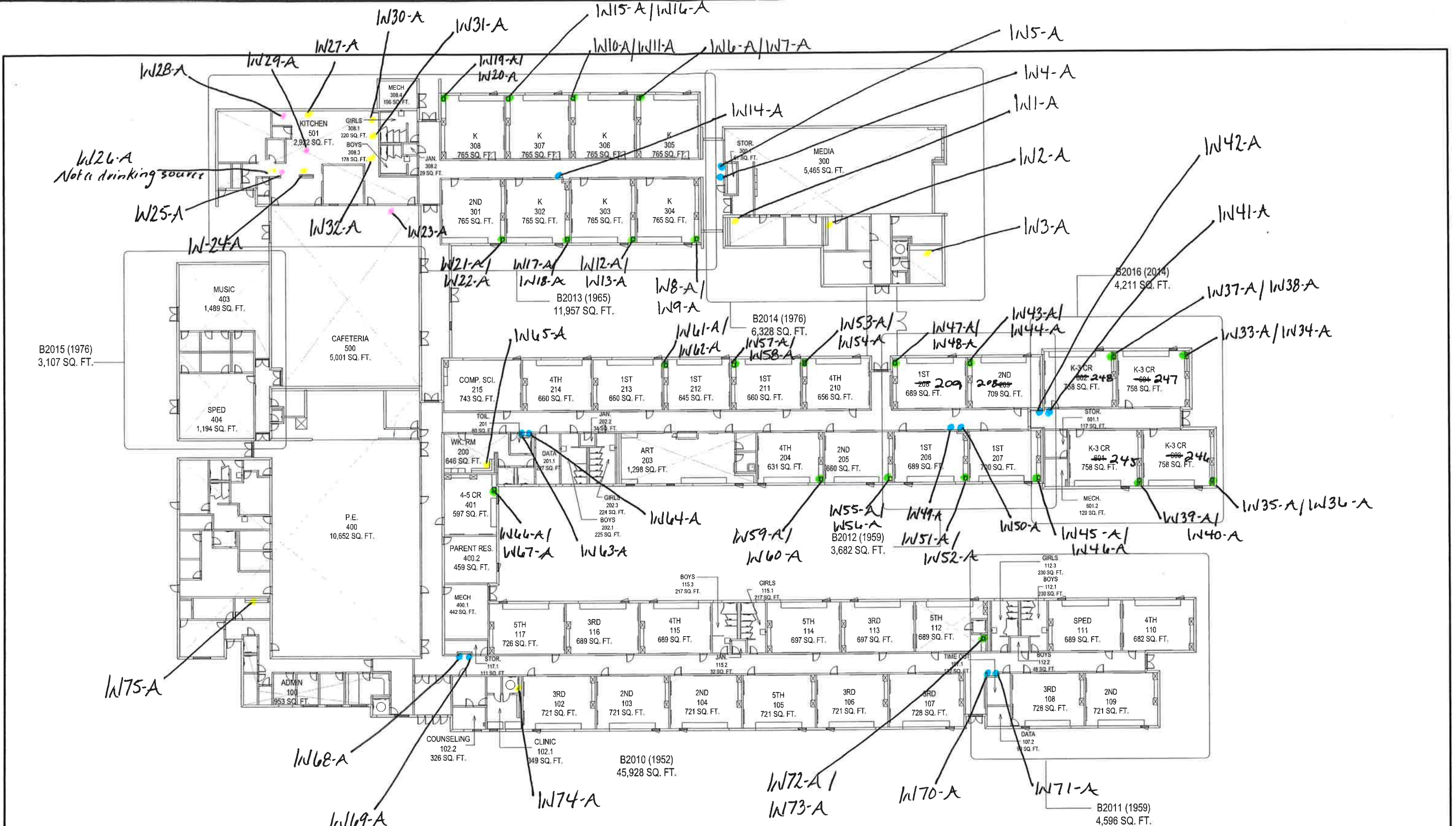
If you have any questions or comments please feel free in contacting me at rmedina@waypointanalytical.com.

Respectfully,

Dr. Richard Medina
Chief Quality Officer

APPENDIX C

Sampling Plan



SCALE: 1" = 40'

**CLAYTON COUNTY PUBLIC SCHOOLS
FOUNTAIN ELEMENTARY SCHOOL**

FACILITY NUMBER:	2554
INSTRUCTIONAL UNITS:	42
FTE:	550
SITE ACREAGE:	23.1 AC.
TOTAL BUILDING AREA:	77,648 SF

**Manley
Spangler
Smith
Architects**
A Professional Corporation