

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

**Brown Elementary
9771 Poston Road
Jonesboro, Georgia, 30238**

GLE Project No.: 18000-18861

Prepared for:

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

May 2018

Prepared by:



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1.0 INTRODUCTION

GLE was contracted by Clayton County Public Schools (CCPS), through RFP No. 017-17, to perform water collection and testing services for lead and copper at Brown Elementary. 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 April 23, 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 Brown Elementary located at 9771 Poston Road, in Jonesboro, Georgia. According to the Client's representative, Brown Elementary was originally constructed in 1975, with major renovations or additions in 1980 and 1996. It is our understanding that no previous water testing has been conducted at Brown Elementary.

2.0 INVENTORY AND SAMPLING PLANS

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

3.0 LEAD AND COPPER IN DRINKING WATER SAMPLING PROCEDURES

Prior to the sampling 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 flushing was performed of the Client-designated faucets located furthest away from the service line on each wing and floor of the building, and were flushed for 10 minutes. 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 sample 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. 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** 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**.

TABLE 4.1
SUMMARY OF LEAD AND COPPER IN DRINKING WATER SAMPLING RESULTS
BROWN ELEMENTARY
9771 POSTON ROAD
JONESBORO, GA 30238

SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W1A	3 RD GRADE HALLWAY DRINKING WATER	BRL	68.1
W2A	3 RD GRADE HALLWAY DRINKING WATER	BRL	44.9
W3A	CLASSROOM-16 DRINKING WATER	BRL	125
W4A	3 RD CLASSROOM -16 FAUCET	BRL	145
W5A	CLASSROOM -17 DRINKING WATER	BRL	83.4
W6A	CLASSROOM -17 FAUCET	4.09	100
W7A	CLASSROOM -18 DRINKING WATER	12.4	140
W8A	CLASSROOM - 18 FAUCET	1.76	96.7
W9A	CLASSROOM -19 DRINKING WATER	3.28	116
W10A	CLASSROOM - 19 FAUCET	3.23	163
W11A	CLASSROOM -20 DRINKING WATER	3.61	155
W12A	CLASSROOM -20 FAUCET	2.09	141
W13A	MEDIA CENTER DRINKING WATER FAUCET	BRL	75.1
W14A	4 TH GRADE HALLWAY DRINKING WATER ADJ ROOM 9- RIGHT	BRL	81.1

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9771 POSTON ROAD
JONESBORO, GA 30238

SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W15A	4 TH GRADE HALLWAY DRINKING WATER ADJ ROOM 9- LEFT	0.566	80.3
W16A	4 TH GRADE HALL DRINKING WATER NEAR BOYS BATHROOM	BRL	39.7
W17A	CLASSROOM -5 DRINKING WATER	BRL	134
W18A	CLASSROOM -5 FAUCET	BRL	110
W19A	CLASSROOM -4 DRINKING WATER	BRL	94.4
W20A	CLASSROOM -4 FAUCET	BRL	96.0
W21A	CLASSROOM - 3 DRINKING WATER	2.88	105
W22A	CLASSROOM -3 FAUCET	2.21	114
W23A	CLASSROOM -2 DRINKING WATER	BRL	116
W24A	CLASSROOM- 2 FAUCET	BRL	107
W25A	CLASSROOM-1 DRINKING WATER	2.43	107
W26A	CLASSROOM-1 FAUCET	2.48	97.5
W27A	HALLWAY DRINKING WATER FOUNTAIN- ADJ MEDIA CENTER	BRL	51.2
W28A	HALLWAY DRINKING WATER FOUNTAIN- NEAR BOYS BATHROOM	BRL	62.5

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BROWN ELEMENTARY
9771 POSTON ROAD
JONESBORO, GA 30238

SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W29A	2 ND GRADE HALLWAY DRINKING WATER- RIGHT	0.523	71.1
W30A	2 ND GRADE HALLWAY DRINKING WATER- LEFT	BRL	62.4
W31A	CAFETERIA DRINKING WATER- RIGHT	BRL	121
W32A	CAFETERIA DRINKING WATER- LEFT	1.14	136
W33A	CAFETERIA- ICEMAKER	BRL	2.44
W34A	KITCHEN- NEAR FRONT ENTRANCE (SEE APPENDIX C)	BRL	113
W35A	KITCHEN- NEAR FRONT ENTRANCE (SEE APPENDIX C)	BRL	129
W36A	KITCHEN SINK (SEE APPENDIX C)	BRL	75.1
W37A	KITCHEN SINK- RIGHT (SEE APPENDIX C)	1.76	75.5
W38A	KITCHEN SINK- LEFT (SEE APPENDIX C)	BRL	71.2
W39A	KITCHEN- STEAMER	0.864	63.9
W40A	HALLWAY DRINKING WATER ADJ ROOM 46.3- RIGHT	BRL	72.5
W41A	HALLWAY DRINKING WATER ADJ ROOM 46.3- LEFT	BRL	74.5
W42A	CLASSROOM- 46 DRINKING WATER	BRL	100
W43A	CLASSROOM- 46 FAUCET	BRL	75.5

TABLE 4.1
SUMMARY OF LEAD AND COPPER IN DRINKING WATER SAMPLING RESULTS
BROWN ELEMENTARY
9771 POSTON ROAD
JONESBORO, GA 30238

SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W44A	CLASSROOM -45 DRINKING WATER	BRL	176
W45A	CLASSROOM -45 FAUCET	BRL	163
W46A	CLASSROOM -44 DRINKING WATER	BRL	162
W47A	CLASSROOM -44 FAUCET	0.535	154
W48A	CLASSROOM- 43 DRINKING WATER	BRL	144
W49A	CLASSROOM- 43 FAUCET	3.28	139
W50A	HALLWAY DRINKING WATER ADJ ROOM 40- RIGHT	BRL	66.7
W51A	HALLWAY DRINKING WATER ADJ ROOM 40- LEFT	BRL	72.8
W52A	CLASSROOM- 41 DRINKING WATER	BRL	112
W53A	CLASSROOM- 41 FAUCET	BRL	89.3
W54A	CLASSROOM- 40 DRINKING WATER	1.55	168
W55A	CLASSROOM- 40 FAUCET	2.03	221
W56A	CLASSROOM- 39 DRINKING WATER	BRL	145
W57A	CLASSROOM- 39 FAUCET	BRL	124
W58A	CLASSROOM- 38 DRINKING WATER	BRL	145

TABLE 4.1
SUMMARY OF LEAD AND COPPER IN DRINKING WATER SAMPLING RESULTS
BROWN ELEMENTARY
9771 POSTON ROAD
JONESBORO, GA 30238

SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W59A	CLASSROOM- 38 FAUCET	BRL	104
W60A	CLASSROOM- 37 DRINKING WATER	BRL	105
W61A	CLASSROOM- 37 FAUCET	2.74	85.0
W62A	CLASSROOM- 26 DRINKING WATER	3.32	121
W63A	CLASSROOM- 27 DRINKING WATER	BRL	118
W64A	CLASSROOM- 27 FAUCET	BRL	103
W65A	CLASSROOM- 28 DRINKING WATER	2.61	127
W66A	CLASSROOM-32 DRINKING WATER	1.23	77.0
W67A	CLASSROOM- 32 FAUCET	4.94	105
W68A	CLASSROOM- 33 DRINKING WATER	2.27	73.0
W69A	CLASSROOM- 35 DRINKING WATER	9.25	142
W70A	CLASSROOM- 35 FAUCET	0.854	50.8
W71A	CLASSROOM- 34 DRINKING WATER	1.22	162
W72A	CLASSROOM- FAUCET	1.90	90.1
W73A	GYM DRINKING WATER	BRL	68.9

TABLE 4.1 SUMMARY OF LEAD AND COPPER IN DRINKING WATER SAMPLING RESULTS BROWN ELEMENTARY 9771 POSTON ROAD JONESBORO, GA 30238			
SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W74A	CLINIC DRINKING WATER	BRL	77.5
W75A	MAILROOM (MAIN OFFICE)	BRL	77.7

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 the Brown Elementary.
2. None of the 75 samples collected were reported to be greater than the EPA PWS AL of 15 µg/L for lead in drinking water.
3. None of the 75 samples collected were reported to be greater than the EPA PWS AL of 1,300 µg/L for copper in drinking water.
4. 30 of the 75 first draw water samples indicated detectable levels of lead. None of the 75 first draw water samples with detectable levels of lead were greater than the EPA PWS AL of 15µg/L.
5. 75 of the 75 first draw water samples indicated detectable levels of copper. None of the 75 first draw water samples with detectable levels of lead were greater than the EPA PWS AL of 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

4/30/2018

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

Ref: Analytical Testing
Lab Report Number: 18-114-0244
Client Project Description: CCPS: Brown ES
Project #18000-18861

Dear Mr. Matthew Howe:

Waypoint Analytical, Inc. received sample(s) on 4/24/2018 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: 18-114-0244
Client Project Description: CCPS: Brown ES
Project #18000-18861

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
93428	W1-A	Aqueous	04/23/2018 03:20	04/24/2018
93429	W2-A	Aqueous	04/23/2018 03:24	04/24/2018
93430	W3-A	Aqueous	04/23/2018 03:27	04/24/2018
93431	W4-A	Aqueous	04/23/2018 03:28	04/24/2018
93432	W5-A	Aqueous	04/23/2018 03:30	04/24/2018
93433	W6-A	Aqueous	04/23/2018 03:30	04/24/2018
93434	W7-A	Aqueous	04/23/2018 03:33	04/24/2018
93435	W8-A	Aqueous	04/23/2018 03:33	04/24/2018
93436	W9-A	Aqueous	04/23/2018 03:38	04/24/2018
93437	W10-A	Aqueous	04/23/2018 03:38	04/24/2018
93438	W11-A	Aqueous	04/23/2018 03:41	04/24/2018
93439	W12-A	Aqueous	04/23/2018 03:41	04/24/2018
93440	W13-A	Aqueous	04/23/2018 03:49	04/24/2018
93441	W14-A	Aqueous	04/23/2018 03:52	04/24/2018
93442	W15-A	Aqueous	04/23/2018 03:52	04/24/2018
93443	W16-A	Aqueous	04/23/2018 03:56	04/24/2018
93444	W17-A	Aqueous	04/23/2018 03:59	04/24/2018
93445	W18-A	Aqueous	04/23/2018 04:00	04/24/2018
93446	W19-A	Aqueous	04/23/2018 04:01	04/24/2018
93447	W20-A	Aqueous	04/23/2018 04:02	04/24/2018
93448	W21-A	Aqueous	04/23/2018 04:05	04/24/2018
93449	W22-A	Aqueous	04/23/2018 04:04	04/24/2018
93450	W23-A	Aqueous	04/23/2018 04:06	04/24/2018
93451	W24-A	Aqueous	04/23/2018 04:07	04/24/2018
93452	W25-A	Aqueous	04/23/2018 04:10	04/24/2018
93453	W26-A	Aqueous	04/23/2018 04:11	04/24/2018

Sample Summary Table

Report Number: 18-114-0244
Client Project Description: CCPS: Brown ES
Project #18000-18861

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
93454	W27-A	Aqueous	04/23/2018 04:15	04/24/2018
93455	W28-A	Aqueous	04/23/2018 04:18	04/24/2018
93456	W29-A	Aqueous	04/23/2018 04:20	04/24/2018
93457	W30-A	Aqueous	04/23/2018 04:21	04/24/2018
93458	W31-A	Aqueous	04/23/2018 04:23	04/24/2018
93459	W32-A	Aqueous	04/23/2018 04:24	04/24/2018
93460	W33-A	Aqueous	04/23/2018 04:25	04/24/2018
93461	W34-A	Aqueous	04/23/2018 04:27	04/24/2018
93462	W35-A	Aqueous	04/23/2018 04:28	04/24/2018
93463	W36-A	Aqueous	04/23/2018 04:30	04/24/2018
93464	W37-A	Aqueous	04/23/2018 04:31	04/24/2018
93465	W38-A	Aqueous	04/23/2018 04:32	04/24/2018
93466	W39-A	Aqueous	04/23/2018 04:32	04/24/2018
93467	W40-A	Aqueous	04/23/2018 04:40	04/24/2018
93468	W41-A	Aqueous	04/23/2018 04:41	04/24/2018
93469	W42-A	Aqueous	04/23/2018 04:42	04/24/2018
93470	W43-A	Aqueous	04/23/2018 04:43	04/24/2018
93471	W44-A	Aqueous	04/23/2018 04:44	04/24/2018
93472	W45-A	Aqueous	04/23/2018 04:45	04/24/2018
93473	W46-A	Aqueous	04/23/2018 04:46	04/24/2018
93474	W47-A	Aqueous	04/23/2018 04:47	04/24/2018
93475	W48-A	Aqueous	04/23/2018 04:48	04/24/2018
93476	W49-A	Aqueous	04/23/2018 04:49	04/24/2018
93477	W50-A	Aqueous	04/23/2018 04:51	04/24/2018
93478	W51-A	Aqueous	04/23/2018 04:52	04/24/2018
93479	W52-A	Aqueous	04/23/2018 04:54	04/24/2018

Sample Summary Table

Report Number: 18-114-0244
Client Project Description: CCPS: Brown ES
Project #18000-18861

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
93480	W53-A	Aqueous	04/23/2018 04:56	04/24/2018
93481	W54-A	Aqueous	04/23/2018 04:58	04/24/2018
93482	W55-A	Aqueous	04/23/2018 04:59	04/24/2018
93483	W56-A	Aqueous	04/23/2018 05:01	04/24/2018
93484	W57-A	Aqueous	04/23/2018 05:02	04/24/2018
93485	W58-A	Aqueous	04/23/2018 05:04	04/24/2018
93486	W59-A	Aqueous	04/23/2018 05:05	04/24/2018
93487	W60-A	Aqueous	04/23/2018 05:06	04/24/2018
93488	W61-A	Aqueous	04/23/2018 05:07	04/24/2018
93489	W62-A	Aqueous	04/23/2018 05:09	04/24/2018
93490	W63-A	Aqueous	04/23/2018 05:10	04/24/2018
93491	W64-A	Aqueous	04/23/2018 05:11	04/24/2018
93492	W65-A	Aqueous	04/23/2018 05:14	04/24/2018
93493	W66-A	Aqueous	04/23/2018 05:16	04/24/2018
93494	W67-A	Aqueous	04/23/2018 05:18	04/24/2018
93495	W68-A	Aqueous	04/23/2018 05:19	04/24/2018
93496	W69-A	Aqueous	04/23/2018 05:19	04/24/2018
93497	W70-A	Aqueous	04/23/2018 05:20	04/24/2018
93498	W71-A	Aqueous	04/23/2018 05:23	04/24/2018
93499	W72-A	Aqueous	04/23/2018 05:23	04/24/2018
93500	W73-A	Aqueous	04/23/2018 05:26	04/24/2018
93501	W74-A	Aqueous	04/23/2018 05:31	04/24/2018
93502	W75-A	Aqueous	04/23/2018 05:34	04/24/2018

Summary of Detected Analytes

Project: CCPS: Brown ES

Report Number: 18-114-0244

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W1-A	L 93428					
EPA-200.8	Copper	68.1	µg/L	0.500	04/25/2018 23:24	
W2-A	L 93429					
EPA-200.8	Copper	44.9	µg/L	0.500	04/25/2018 23:28	
W3-A	L 93430					
EPA-200.8	Copper	125	µg/L	0.500	04/25/2018 23:31	
W4-A	L 93431					
EPA-200.8	Copper	145	µg/L	0.500	04/25/2018 23:36	
W5-A	L 93432					
EPA-200.8	Copper	83.4	µg/L	0.500	04/25/2018 23:41	
W6-A	L 93433					
EPA-200.8	Copper	100	µg/L	0.500	04/25/2018 23:52	
EPA-200.8	Lead	4.09	µg/L	0.500	04/25/2018 23:52	
W7-A	L 93434					
EPA-200.8	Copper	140	µg/L	0.500	04/25/2018 23:57	
EPA-200.8	Lead	12.4	µg/L	0.500	04/25/2018 23:57	
W8-A	L 93435					
EPA-200.8	Copper	96.7	µg/L	0.500	04/26/2018 00:02	
EPA-200.8	Lead	1.76	µg/L	0.500	04/26/2018 00:02	
W9-A	L 93436					
EPA-200.8	Copper	116	µg/L	0.500	04/26/2018 00:06	
EPA-200.8	Lead	3.28	µg/L	0.500	04/26/2018 00:06	
W10-A	L 93437					
EPA-200.8	Copper	163	µg/L	0.500	04/26/2018 00:11	
EPA-200.8	Lead	3.23	µg/L	0.500	04/26/2018 00:11	
W11-A	L 93438					
EPA-200.8	Copper	155	µg/L	0.500	04/26/2018 00:16	
EPA-200.8	Lead	3.61	µg/L	0.500	04/26/2018 00:16	
W12-A	L 93439					
EPA-200.8	Copper	141	µg/L	0.500	04/26/2018 00:21	
EPA-200.8	Lead	2.09	µg/L	0.500	04/26/2018 00:21	
W13-A	L 93440					
EPA-200.8	Copper	75.1	µg/L	0.500	04/26/2018 00:26	

Summary of Detected Analytes

Project: CCPS: Brown ES

Report Number: 18-114-0244

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W14-A	L 93441					
EPA-200.8	Copper	81.1	µg/L	0.500	04/26/2018 00:29	
W15-A	L 93442					
EPA-200.8	Copper	80.3	µg/L	0.500	04/26/2018 00:33	
EPA-200.8	Lead	0.566	µg/L	0.500	04/26/2018 00:33	
W16-A	L 93443					
EPA-200.8	Copper	39.7	µg/L	0.500	04/26/2018 00:44	
W17-A	L 93444					
EPA-200.8	Copper	134	µg/L	0.500	04/26/2018 00:47	
W18-A	L 93445					
EPA-200.8	Copper	110	µg/L	0.500	04/26/2018 00:52	
W19-A	L 93446					
EPA-200.8	Copper	94.4	µg/L	0.500	04/26/2018 00:57	
W20-A	L 93447					
EPA-200.8	Copper	96.0	µg/L	0.500	04/26/2018 01:01	
W21-A	L 93448					
EPA-200.8	Copper	105	µg/L	0.500	04/26/2018 01:37	
EPA-200.8	Lead	2.88	µg/L	0.500	04/26/2018 01:37	
W22-A	L 93449					
EPA-200.8	Copper	114	µg/L	0.500	04/26/2018 01:42	
EPA-200.8	Lead	2.21	µg/L	0.500	04/26/2018 01:42	
W23-A	L 93450					
EPA-200.8	Copper	116	µg/L	0.500	04/26/2018 01:47	
W24-A	L 93451					
EPA-200.8	Copper	107	µg/L	0.500	04/26/2018 01:52	
W25-A	L 93452					
EPA-200.8	Copper	107	µg/L	0.500	04/26/2018 01:57	
EPA-200.8	Lead	2.43	µg/L	0.500	04/26/2018 01:57	
W26-A	L 93453					
EPA-200.8	Copper	97.5	µg/L	0.500	04/26/2018 02:02	
EPA-200.8	Lead	2.48	µg/L	0.500	04/26/2018 02:02	
W27-A	L 93454					
EPA-200.8	Copper	51.2	µg/L	0.500	04/26/2018 02:06	

Summary of Detected Analytes

Project: CCPS: Brown ES

Report Number: 18-114-0244

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W28-A	L 93455					
EPA-200.8	Copper	62.5	µg/L	0.500	04/26/2018 02:09	
W29-A	L 93456					
EPA-200.8	Copper	71.1	µg/L	0.500	04/26/2018 02:13	
EPA-200.8	Lead	0.523	µg/L	0.500	04/26/2018 02:13	
W30-A	L 93457					
EPA-200.8	Copper	62.4	µg/L	0.500	04/26/2018 02:24	
W31-A	L 93458					
EPA-200.8	Copper	121	µg/L	0.500	04/26/2018 02:28	
W32-A	L 93459					
EPA-200.8	Copper	136	µg/L	0.500	04/26/2018 02:32	
EPA-200.8	Lead	1.14	µg/L	0.500	04/26/2018 02:32	
W33-A	L 93460					
EPA-200.8	Copper	2.44	µg/L	0.500	04/26/2018 02:37	
W34-A	L 93461					
EPA-200.8	Copper	113	µg/L	0.500	04/26/2018 02:41	
W35-A	L 93462					
EPA-200.8	Copper	129	µg/L	0.500	04/26/2018 02:46	
W36-A	L 93463					
EPA-200.8	Copper	75.1	µg/L	0.500	04/26/2018 02:51	
W37-A	L 93464					
EPA-200.8	Copper	75.5	µg/L	0.500	04/26/2018 02:54	
EPA-200.8	Lead	1.76	µg/L	0.500	04/26/2018 02:54	
W38-A	L 93465					
EPA-200.8	Copper	71.2	µg/L	0.500	04/26/2018 02:58	
W39-A	L 93466					
EPA-200.8	Copper	63.9	µg/L	0.500	04/26/2018 03:01	
EPA-200.8	Lead	0.864	µg/L	0.500	04/26/2018 03:01	
W40-A	L 93467					
EPA-200.8	Copper	72.5	µg/L	0.500	04/26/2018 03:13	
W41-A	L 93468					
EPA-200.8	Copper	74.5	µg/L	0.500	04/26/2018 03:41	

Summary of Detected Analytes

Project: CCPS: Brown ES

Report Number: 18-114-0244

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W42-A	L 93469					
EPA-200.8	Copper	100	µg/L	0.500	04/26/2018 03:45	
W43-A	L 93470					
EPA-200.8	Copper	75.5	µg/L	0.500	04/26/2018 03:50	
W44-A	L 93471					
EPA-200.8	Copper	176	µg/L	0.500	04/26/2018 04:00	
W45-A	L 93472					
EPA-200.8	Copper	163	µg/L	0.500	04/26/2018 04:05	
W46-A	L 93473					
EPA-200.8	Copper	162	µg/L	0.500	04/26/2018 04:10	
W47-A	L 93474					
EPA-200.8	Copper	154	µg/L	0.500	04/26/2018 04:15	
EPA-200.8	Lead	0.535	µg/L	0.500	04/26/2018 04:15	
W48-A	L 93475					
EPA-200.8	Copper	144	µg/L	0.500	04/26/2018 04:20	
W49-A	L 93476					
EPA-200.8	Copper	139	µg/L	0.500	04/26/2018 04:25	
EPA-200.8	Lead	3.28	µg/L	0.500	04/26/2018 04:25	
W50-A	L 93477					
EPA-200.8	Copper	66.7	µg/L	0.500	04/26/2018 04:30	
W51-A	L 93478					
EPA-200.8	Copper	72.8	µg/L	0.500	04/26/2018 04:34	
W52-A	L 93479					
EPA-200.8	Copper	112	µg/L	0.500	04/26/2018 04:37	
W53-A	L 93480					
EPA-200.8	Copper	89.3	µg/L	0.500	04/26/2018 04:42	
W54-A	L 93481					
EPA-200.8	Copper	168	µg/L	0.500	04/26/2018 19:17	
EPA-200.8	Lead	1.55	µg/L	0.500	04/26/2018 19:17	
W55-A	L 93482					
EPA-200.8	Copper	221	µg/L	0.500	04/26/2018 19:22	
EPA-200.8	Lead	2.03	µg/L	0.500	04/26/2018 19:22	

Summary of Detected Analytes

Project: CCPS: Brown ES

Report Number: 18-114-0244

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W56-A	L 93483					
EPA-200.8	Copper	145	µg/L	0.500	04/26/2018 19:27	
W57-A	L 93484					
EPA-200.8	Copper	124	µg/L	0.500	04/26/2018 19:32	
W58-A	L 93485					
EPA-200.8	Copper	145	µg/L	0.500	04/26/2018 19:37	
W59-A	L 93486					
EPA-200.8	Copper	104	µg/L	0.500	04/26/2018 19:48	
W60-A	L 93487					
EPA-200.8	Copper	105	µg/L	0.500	04/26/2018 19:53	
W61-A	L 93488					
EPA-200.8	Copper	85.0	µg/L	0.500	04/26/2018 20:22	
EPA-200.8	Lead	2.74	µg/L	0.500	04/26/2018 20:22	
W62-A	L 93489					
EPA-200.8	Copper	121	µg/L	0.500	04/26/2018 20:25	
EPA-200.8	Lead	3.32	µg/L	0.500	04/26/2018 20:25	
W63-A	L 93490					
EPA-200.8	Copper	118	µg/L	0.500	04/26/2018 20:37	
W64-A	L 93491					
EPA-200.8	Copper	103	µg/L	0.500	04/26/2018 20:42	
W65-A	L 93492					
EPA-200.8	Copper	127	µg/L	0.500	04/26/2018 20:46	
EPA-200.8	Lead	2.61	µg/L	0.500	04/26/2018 20:46	
W66-A	L 93493					
EPA-200.8	Copper	77.0	µg/L	0.500	04/26/2018 20:51	
EPA-200.8	Lead	1.23	µg/L	0.500	04/26/2018 20:51	
W67-A	L 93494					
EPA-200.8	Copper	105	µg/L	0.500	04/26/2018 20:55	
EPA-200.8	Lead	4.94	µg/L	0.500	04/26/2018 20:55	
W68-A	L 93495					
EPA-200.8	Copper	73.0	µg/L	0.500	04/26/2018 21:00	
EPA-200.8	Lead	2.27	µg/L	0.500	04/26/2018 21:00	

Summary of Detected Analytes

Project: CCPS: Brown ES

Report Number: 18-114-0244

Client Sample ID Method	Lab Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W69-A	L 93496					
EPA-200.8	Copper	142	µg/L	0.500	04/26/2018 21:03	
EPA-200.8	Lead	9.25	µg/L	0.500	04/26/2018 21:03	
W70-A	L 93497					
EPA-200.8	Copper	50.8	µg/L	0.500	04/26/2018 21:08	
EPA-200.8	Lead	0.854	µg/L	0.500	04/26/2018 21:08	
W71-A	L 93498					
EPA-200.8	Copper	162	µg/L	0.500	04/26/2018 21:12	
EPA-200.8	Lead	1.22	µg/L	0.500	04/26/2018 21:12	
W72-A	L 93499					
EPA-200.8	Copper	90.1	µg/L	0.500	04/26/2018 21:17	
EPA-200.8	Lead	1.90	µg/L	0.500	04/26/2018 21:17	
W73-A	L 93500					
EPA-200.8	Copper	68.9	µg/L	0.500	04/27/2018 23:16	
W74-A	L 93501					
EPA-200.8	Copper	77.5	µg/L	0.500	04/27/2018 20:05	
W75-A	L 93502					
EPA-200.8	Copper	77.7	µg/L	0.500	04/27/2018 20:09	

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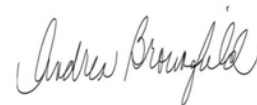
Suite 820

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Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93428**

Matrix: **Aqueous**

Sample ID : **W1-A**

Sampled: **4/23/2018 3:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	68.1	µg/L	0.500	1	04/25/18 23:24	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/25/18 23:24	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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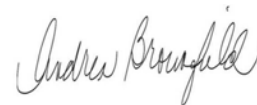
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Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93429**

Matrix: **Aqueous**

Sample ID : **W2-A**

Sampled: **4/23/2018 3:24**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	44.9	µg/L	0.500	1	04/25/18 23:28	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/25/18 23:28	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93430**

Matrix: **Aqueous**

Sample ID : **W3-A**

Sampled: **4/23/2018 3:27**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	125	µg/L	0.500	1	04/25/18 23:31	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/25/18 23:31	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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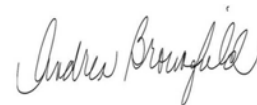
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Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93431**

Matrix: **Aqueous**

Sample ID : **W4-A**

Sampled: **4/23/2018 3:28**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	145	µg/L	0.500	1	04/25/18 23:36	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/25/18 23:36	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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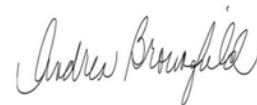
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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93432**

Matrix: **Aqueous**

Sample ID : **W5-A**

Sampled: **4/23/2018 3:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	83.4	µg/L	0.500	1	04/25/18 23:41	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/25/18 23:41	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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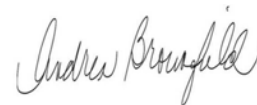
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Andrea R. Brownfield
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Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93433**

Matrix: **Aqueous**

Sample ID : **W6-A**

Sampled: **4/23/2018 3:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	100	µg/L	0.500	1	04/25/18 23:52	CCR	EPA-200.8
Lead	4.09	µg/L	0.500	1	04/25/18 23:52	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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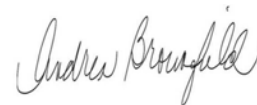
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Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93434**

Matrix: **Aqueous**

Sample ID : **W7-A**

Sampled: **4/23/2018 3:33**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	140	µg/L	0.500	1	04/25/18 23:57	CCR	EPA-200.8
Lead	12.4	µg/L	0.500	1	04/25/18 23:57	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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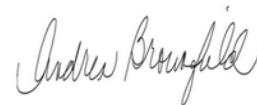
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Project CCPS: Brown ES

Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93435**

Sample ID : **W8-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 3:33**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	96.7	µg/L	0.500	1	04/26/18 00:02	CCR	EPA-200.8
Lead	1.76	µg/L	0.500	1	04/26/18 00:02	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

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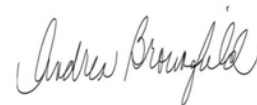
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Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93436**

Matrix: **Aqueous**

Sample ID : **W9-A**

Sampled: **4/23/2018 3:38**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	116	µg/L	0.500	1	04/26/18 00:06	CCR	EPA-200.8
Lead	3.28	µg/L	0.500	1	04/26/18 00:06	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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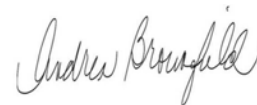
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Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93437**

Matrix: **Aqueous**

Sample ID : **W10-A**

Sampled: **4/23/2018 3:38**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	163	µg/L	0.500	1	04/26/18 00:11	CCR	EPA-200.8
Lead	3.23	µg/L	0.500	1	04/26/18 00:11	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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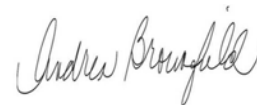
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Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93438**

Matrix: **Aqueous**

Sample ID : **W11-A**

Sampled: **4/23/2018 3:41**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	155	µg/L	0.500	1	04/26/18 00:16	CCR	EPA-200.8
Lead	3.61	µg/L	0.500	1	04/26/18 00:16	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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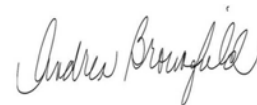
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Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93439**

Matrix: **Aqueous**

Sample ID : **W12-A**

Sampled: **4/23/2018 3:41**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	141	µg/L	0.500	1	04/26/18 00:21	CCR	EPA-200.8
Lead	2.09	µg/L	0.500	1	04/26/18 00:21	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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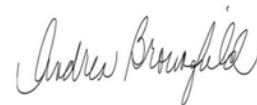
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Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93440**

Matrix: **Aqueous**

Sample ID : **W13-A**

Sampled: **4/23/2018 3:49**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	75.1	µg/L	0.500	1	04/26/18 00:26	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 00:26	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93441**

Matrix: **Aqueous**

Sample ID : **W14-A**

Sampled: **4/23/2018 3:52**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	81.1	µg/L	0.500	1	04/26/18 00:29	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 00:29	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

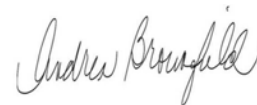
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93442**

Matrix: **Aqueous**

Sample ID : **W15-A**

Sampled: **4/23/2018 3:52**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	80.3	µg/L	0.500	1	04/26/18 00:33	CCR	EPA-200.8
Lead	0.566	µg/L	0.500	1	04/26/18 00:33	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

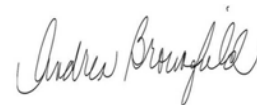
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93443**

Matrix: **Aqueous**

Sample ID : **W16-A**

Sampled: **4/23/2018 3:56**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	39.7	µg/L	0.500	1	04/26/18 00:44	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 00:44	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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Atlanta, GA 30309

Project CCPS: Brown ES
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Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93444**

Matrix: **Aqueous**

Sample ID : **W17-A**

Sampled: **4/23/2018 3:59**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	134	µg/L	0.500	1	04/26/18 00:47	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 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

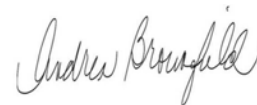
Suite 820

Atlanta, GA 30309

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Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93445**

Sample ID : **W18-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 4:00**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	110	µg/L	0.500	1	04/26/18 00:52	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 00:52	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

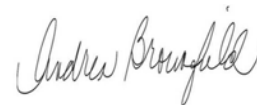
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Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93446**

Matrix: **Aqueous**

Sample ID : **W19-A**

Sampled: **4/23/2018 4:01**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	94.4	µg/L	0.500	1	04/26/18 00:57	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 00:57	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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Suite 820

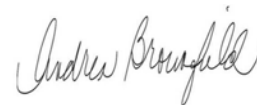
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Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93447**

Sample ID : **W20-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 4:02**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	96.0	µg/L	0.500	1	04/26/18 01:01	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 01:01	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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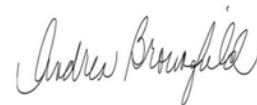
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Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93448**

Matrix: **Aqueous**

Sample ID : **W21-A**

Sampled: **4/23/2018 4:05**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	105	µg/L	0.500	1	04/26/18 01:37	CCR	EPA-200.8
Lead	2.88	µg/L	0.500	1	04/26/18 01:37	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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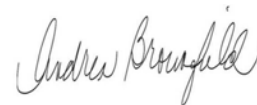
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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93449**

Matrix: **Aqueous**

Sample ID : **W22-A**

Sampled: **4/23/2018 4:04**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	114	µg/L	0.500	1	04/26/18 01:42	CCR	EPA-200.8
Lead	2.21	µg/L	0.500	1	04/26/18 01:42	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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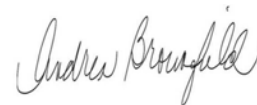
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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93450**

Sample ID : **W23-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 4:06**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	116	µg/L	0.500	1	04/26/18 01:47	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 01:47	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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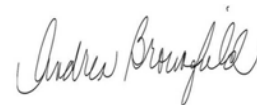
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Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93451**

Matrix: **Aqueous**

Sample ID : **W24-A**

Sampled: **4/23/2018 4:07**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	107	µg/L	0.500	1	04/26/18 01:52	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 01:52	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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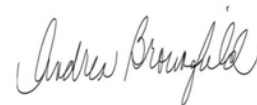
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Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93452**

Matrix: **Aqueous**

Sample ID : **W25-A**

Sampled: **4/23/2018 4:10**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	107	µg/L	0.500	1	04/26/18 01:57	CCR	EPA-200.8
Lead	2.43	µg/L	0.500	1	04/26/18 01:57	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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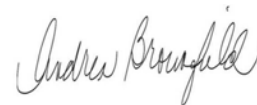
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Information : Project #18000-18861

Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93453**

Matrix: **Aqueous**

Sample ID : **W26-A**

Sampled: **4/23/2018 4:11**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	97.5	µg/L	0.500	1	04/26/18 02:02	CCR	EPA-200.8
Lead	2.48	µg/L	0.500	1	04/26/18 02:02	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93454**

Matrix: **Aqueous**

Sample ID : **W27-A**

Sampled: **4/23/2018 4:15**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	51.2	µg/L	0.500	1	04/26/18 02:06	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 02:06	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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Suite 820

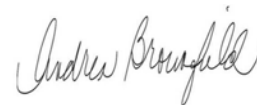
Atlanta, GA 30309

Project CCPS: Brown ES

Information : Project #18000-18861

Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93455**

Sample ID : **W28-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 4:18**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	62.5	µg/L	0.500	1	04/26/18 02:09	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 02:09	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

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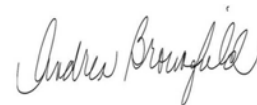
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Project CCPS: Brown ES

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Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93456**

Sample ID : **W29-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 4:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	71.1	µg/L	0.500	1	04/26/18 02:13	CCR	EPA-200.8
Lead	0.523	µg/L	0.500	1	04/26/18 02:13	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

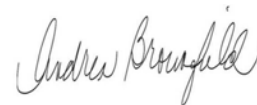
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Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93457**

Matrix: **Aqueous**

Sample ID : **W30-A**

Sampled: **4/23/2018 4:21**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	62.4	µg/L	0.500	1	04/26/18 02:24	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 02:24	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

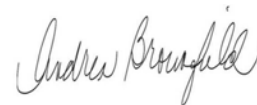
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Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93458**

Sample ID : **W31-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 4:23**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	121	µg/L	0.500	1	04/26/18 02:28	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 02:28	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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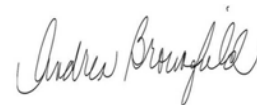
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Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93459**

Matrix: **Aqueous**

Sample ID : **W32-A**

Sampled: **4/23/2018 4:24**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	136	µg/L	0.500	1	04/26/18 02:32	CCR	EPA-200.8
Lead	1.14	µg/L	0.500	1	04/26/18 02:32	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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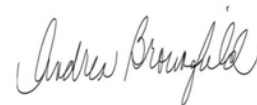
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Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93460**

Sample ID : **W33-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 4:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	2.44	µg/L	0.500	1	04/26/18 02:37	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 02:37	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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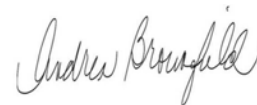
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Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93461**

Matrix: **Aqueous**

Sample ID : **W34-A**

Sampled: **4/23/2018 4:27**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	113	µg/L	0.500	1	04/26/18 02:41	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 02:41	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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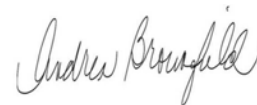
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Project CCPS: Brown ES

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Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93462**

Sample ID : **W35-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 4:28**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	129	µg/L	0.500	1	04/26/18 02:46	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 02:46	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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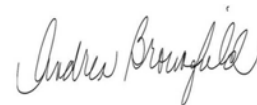
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Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93463**

Sample ID : **W36-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 4:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	75.1	µg/L	0.500	1	04/26/18 02:51	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 02:51	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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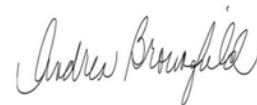
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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93464**

Matrix: **Aqueous**

Sample ID : **W37-A**

Sampled: **4/23/2018 4:31**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	75.5	µg/L	0.500	1	04/26/18 02:54	CCR	EPA-200.8
Lead	1.76	µg/L	0.500	1	04/26/18 02:54	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

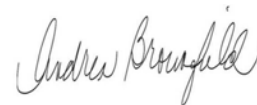
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93465**

Matrix: **Aqueous**

Sample ID : **W38-A**

Sampled: **4/23/2018 4:32**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	71.2	µg/L	0.500	1	04/26/18 02:58	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 02:58	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

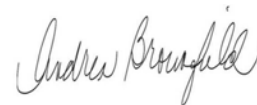
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93466**

Matrix: **Aqueous**

Sample ID : **W39-A**

Sampled: **4/23/2018 4:32**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	63.9	µg/L	0.500	1	04/26/18 03:01	CCR	EPA-200.8
Lead	0.864	µg/L	0.500	1	04/26/18 03:01	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93467**

Matrix: **Aqueous**

Sample ID : **W40-A**

Sampled: **4/23/2018 4:40**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	72.5	µg/L	0.500	1	04/26/18 03:13	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 03:13	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

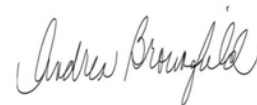
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93468**

Matrix: **Aqueous**

Sample ID : **W41-A**

Sampled: **4/23/2018 4:41**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	74.5	µg/L	0.500	1	04/26/18 03:41	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 03:41	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

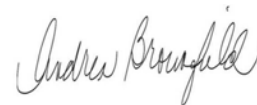
Suite 820

Atlanta, GA 30309

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Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93469**

Matrix: **Aqueous**

Sample ID : **W42-A**

Sampled: **4/23/2018 4:42**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	100	µg/L	0.500	1	04/26/18 03:45	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 03:45	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

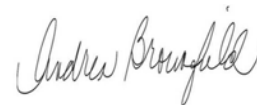
Suite 820

Atlanta, GA 30309

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Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93470**

Matrix: **Aqueous**

Sample ID : **W43-A**

Sampled: **4/23/2018 4:43**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	75.5	µg/L	0.500	1	04/26/18 03:50	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 03:50	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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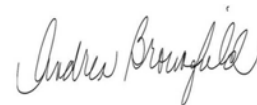
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Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93471**

Matrix: **Aqueous**

Sample ID : **W44-A**

Sampled: **4/23/2018 4:44**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	176	µg/L	0.500	1	04/26/18 04:00	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 04:00	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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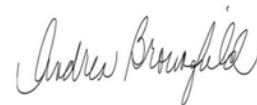
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Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93472**

Matrix: **Aqueous**

Sample ID : **W45-A**

Sampled: **4/23/2018 4:45**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	163	µg/L	0.500	1	04/26/18 04:05	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 04:05	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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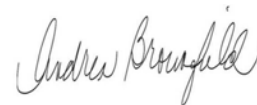
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Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93473**

Matrix: **Aqueous**

Sample ID : **W46-A**

Sampled: **4/23/2018 4:46**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	162	µg/L	0.500	1	04/26/18 04:10	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 04:10	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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Suite 820

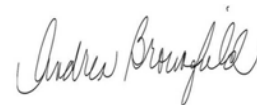
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Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93474**

Sample ID : **W47-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 4:47**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	154	µg/L	0.500	1	04/26/18 04:15	CCR	EPA-200.8
Lead	0.535	µg/L	0.500	1	04/26/18 04:15	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

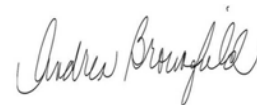
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Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93475**

Matrix: **Aqueous**

Sample ID : **W48-A**

Sampled: **4/23/2018 4:48**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	144	µg/L	0.500	1	04/26/18 04:20	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 04:20	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

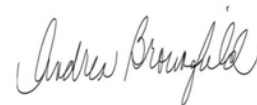
Suite 820

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Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93476**

Matrix: **Aqueous**

Sample ID : **W49-A**

Sampled: **4/23/2018 4:49**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	139	µg/L	0.500	1	04/26/18 04:25	CCR	EPA-200.8
Lead	3.28	µg/L	0.500	1	04/26/18 04:25	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: Brown ES

Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93477**

Sample ID : **W50-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 4:51**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	66.7	µg/L	0.500	1	04/26/18 04:30	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 04:30	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

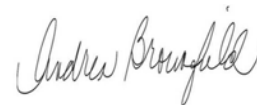
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93478**

Matrix: **Aqueous**

Sample ID : **W51-A**

Sampled: **4/23/2018 4:52**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	72.8	µg/L	0.500	1	04/26/18 04:34	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 04:34	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

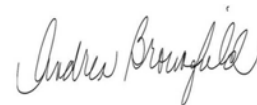
Suite 820

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Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93479**

Matrix: **Aqueous**

Sample ID : **W52-A**

Sampled: **4/23/2018 4:54**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	112	µg/L	0.500	1	04/26/18 04:37	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 04:37	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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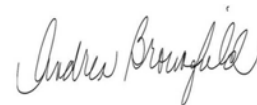
Atlanta, GA 30309

Project CCPS: Brown ES

Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93480**

Sample ID : **W53-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 4:56**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	89.3	µg/L	0.500	1	04/26/18 04:42	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 04:42	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

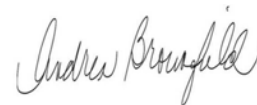
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Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93481**

Matrix: **Aqueous**

Sample ID : **W54-A**

Sampled: **4/23/2018 4:58**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	168	µg/L	0.500	1	04/26/18 19:17	CCR	EPA-200.8
Lead	1.55	µg/L	0.500	1	04/26/18 19:17	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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Suite 820

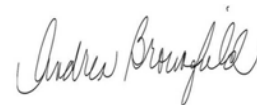
Atlanta, GA 30309

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Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93482**

Sample ID : **W55-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 4:59**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	221	µg/L	0.500	1	04/26/18 19:22	CCR	EPA-200.8
Lead	2.03	µg/L	0.500	1	04/26/18 19:22	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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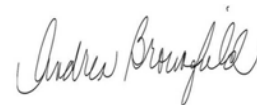
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Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93483**

Matrix: **Aqueous**

Sample ID : **W56-A**

Sampled: **4/23/2018 5:01**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	145	µg/L	0.500	1	04/26/18 19:27	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 19:27	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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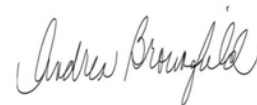
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Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93484**

Matrix: **Aqueous**

Sample ID : **W57-A**

Sampled: **4/23/2018 5:02**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	124	µg/L	0.500	1	04/26/18 19:32	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 19:32	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

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Suite 820

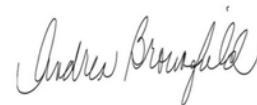
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Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93485**

Sample ID : **W58-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 5:04**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	145	µg/L	0.500	1	04/26/18 19:37	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 19:37	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: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93486**

Matrix: **Aqueous**

Sample ID : **W59-A**

Sampled: **4/23/2018 5:05**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	104	µg/L	0.500	1	04/26/18 19:48	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 19:48	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

23169

GLE Associates

Mr. Matthew Howe

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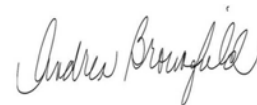
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Information : Project #18000-18861

Report Date : 04/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93487**

Sample ID : **W60-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 5:06**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	105	µg/L	0.500	1	04/26/18 19:53	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 19:53	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

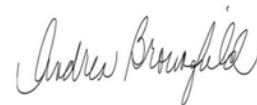
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93488**

Matrix: **Aqueous**

Sample ID : **W61-A**

Sampled: **4/23/2018 5:07**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	85.0	µg/L	0.500	1	04/26/18 20:22	CCR	EPA-200.8
Lead	2.74	µg/L	0.500	1	04/26/18 20:22	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

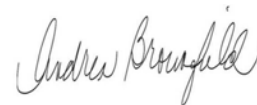
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93489**

Matrix: **Aqueous**

Sample ID : **W62-A**

Sampled: **4/23/2018 5:09**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	121	µg/L	0.500	1	04/26/18 20:25	CCR	EPA-200.8
Lead	3.32	µg/L	0.500	1	04/26/18 20:25	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

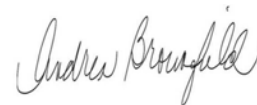
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93490**

Matrix: **Aqueous**

Sample ID : **W63-A**

Sampled: **4/23/2018 5:10**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	118	µg/L	0.500	1	04/26/18 20:37	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 20:37	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: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93491**

Matrix: **Aqueous**

Sample ID : **W64-A**

Sampled: **4/23/2018 5:11**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	103	µg/L	0.500	1	04/26/18 20:42	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 20:42	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

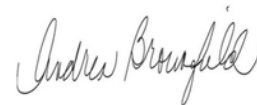
Atlanta, GA 30309

Project CCPS: Brown ES

Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93492**

Sample ID : **W65-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 5:14**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	127	µg/L	0.500	1	04/26/18 20:46	CCR	EPA-200.8
Lead	2.61	µg/L	0.500	1	04/26/18 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

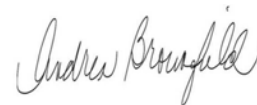
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93493**

Sample ID : **W66-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 5:16**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	77.0	µg/L	0.500	1	04/26/18 20:51	CCR	EPA-200.8
Lead	1.23	µg/L	0.500	1	04/26/18 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

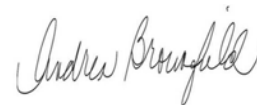
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93494**

Matrix: **Aqueous**

Sample ID : **W67-A**

Sampled: **4/23/2018 5:18**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	105	µg/L	0.500	1	04/26/18 20:55	CCR	EPA-200.8
Lead	4.94	µg/L	0.500	1	04/26/18 20:55	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

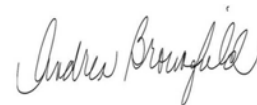
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Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93495**

Matrix: **Aqueous**

Sample ID : **W68-A**

Sampled: **4/23/2018 5:19**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	73.0	µg/L	0.500	1	04/26/18 21:00	CCR	EPA-200.8
Lead	2.27	µg/L	0.500	1	04/26/18 21:00	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

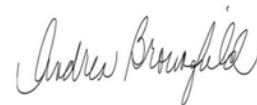
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Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93496**

Matrix: **Aqueous**

Sample ID : **W69-A**

Sampled: **4/23/2018 5:19**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	142	µg/L	0.500	1	04/26/18 21:03	CCR	EPA-200.8
Lead	9.25	µg/L	0.500	1	04/26/18 21:03	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

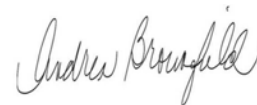
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93497**

Matrix: **Aqueous**

Sample ID : **W70-A**

Sampled: **4/23/2018 5:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	50.8	µg/L	0.500	1	04/26/18 21:08	CCR	EPA-200.8
Lead	0.854	µg/L	0.500	1	04/26/18 21:08	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

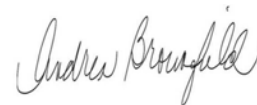
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Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93498**

Matrix: **Aqueous**

Sample ID : **W71-A**

Sampled: **4/23/2018 5:23**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	162	µg/L	0.500	1	04/26/18 21:12	CCR	EPA-200.8
Lead	1.22	µg/L	0.500	1	04/26/18 21:12	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

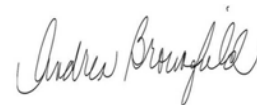
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93499**

Matrix: **Aqueous**

Sample ID : **W72-A**

Sampled: **4/23/2018 5:23**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	90.1	µg/L	0.500	1	04/26/18 21:17	CCR	EPA-200.8
Lead	1.90	µg/L	0.500	1	04/26/18 21:17	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

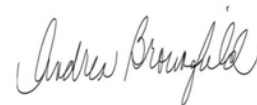
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93500**

Matrix: **Aqueous**

Sample ID : **W73-A**

Sampled: **4/23/2018 5:26**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	68.9	µg/L	0.500	1	04/27/18 23:16	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 21:28	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

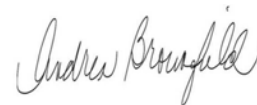
Suite 820

Atlanta, GA 30309

Project CCPS: Brown ES
Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93501**

Sample ID : **W74-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 5:31**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	77.5	µg/L	0.500	1	04/27/18 20:05	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 21:31	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

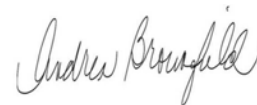
Atlanta, GA 30309

Project CCPS: Brown ES

Information : Project #18000-18861

Report Date : 04/30/2018

Received : 4/24/2018



Andrea R. Brownfield
Project manager

Report Number : **18-114-0244**

REPORT OF ANALYSIS

Lab No : **93502**

Sample ID : **W75-A**

Matrix: **Aqueous**

Sampled: **4/23/2018 5:34**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	77.7	µg/L	0.500	1	04/27/18 20:09	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	04/26/18 21:35	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Brown ES
Report No: 18-114-0244

QC Prep: L379180
QC Prep Batch Method: EPA-200.8
QC Analytical Batch(es): L379303
Analysis Method: EPA-200.8
Analysis Description: Metals Analyses

Lab Reagent Blank		LRB-L379180			Matrix: AQU						
Associated Lab Samples:		93428, 93429, 93430, 93431, 93432, 93433, 93434, 93435, 93436, 93437, 93438, 93439, 93440, 93441, 93442, 93443									
Parameter	Units	Blank Result	MQL		Analyzed						
Copper	µg/L	< 0.500	0.500		04/25/18 23:17						
Lead	µg/L	< 0.500	0.500		04/25/18 23:17						

Laboratory Control Sample		LCS-L379180			
Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	48.2	95.9	85-115
Lead	µg/L	50.3	45.4	90.3	85-115

Matrix Spike & Matrix Spike Duplicate		L 93447-MS-L379180	L 93447-MSD-L379180								
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	96.0	50.3	50.3	141	143	89.5	93.5	70-130	1.4	20.0
Lead	µg/L	< 0.503	50.3	50.3	44.7	47.8	88.9	95.1	70-130	6.7	20.0

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Brown ES
Report No: 18-114-0244

QC Prep: L379181
QC Prep Batch Method: EPA-200.8
QC Analytical Batch(es): L379303
Analysis Method: EPA-200.8
Analysis Description: Metals Analyses

Lab Reagent Blank		LRB-L379181		Matrix: AQU	
Associated Lab Samples: 93448, 93449, 93450, 93451, 93452, 93453, 93454, 93455, 93456, 93457, 93458, 93459, 93460, 93461, 93462, 93463					
Parameter	Units	Blank Result	MQL	Analyzed	
Copper	µg/L	< 0.500	0.500	04/26/18 01:23	
Lead	µg/L	< 0.500	0.500	04/26/18 01:23	

Laboratory Control Sample		LCS-L379181			
Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	51.1	102	85-115
Lead	µg/L	50.3	49.6	98.7	85-115

Matrix Spike & Matrix Spike Duplicate		L 93467-MS-L379181	L 93467-MSD-L379181								
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	72.5	50.3	50.3	119	115	92.5	84.5	70-130	3.4	20.0
Lead	µg/L	< 0.503	50.3	50.3	48.8	49.0	97.1	97.5	70-130	0.4	20.0

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Brown ES
Report No: 18-114-0244

QC Prep: L379182
QC Prep Batch Method: EPA-200.8
QC Analytical Batch(es): L379303
Analysis Method: EPA-200.8
Analysis Description: Metals Analyses

Lab Reagent Blank LRB-L379182 Matrix: AQU
Associated Lab Samples: 93468, 93469, 93470, 93471, 93472, 93473, 93474, 93475, 93476, 93477, 93478, 93479, 93480, 93481, 93482, 93483

Parameter	Units	Blank Result	MQL	Analyzed
Copper	µg/L	< 0.500	0.500	04/26/18 03:34
Lead	µg/L	< 0.500	0.500	04/26/18 03:34

Laboratory Control Sample LCS-L379182

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.0	49.2	98.4	85-115
Lead	µg/L	50.0	47.7	95.4	85-115

Matrix Spike & Matrix Spike Duplicate L 93487-MS-L379182 L 93487-MSD-L379182

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	105	50.0	50.0	154	144	98.0	78.0	70-130	6.7	20.0
Lead	µg/L	< 0.500	50.0	50.0	48.6	48.0	97.2	96.0	70-130	1.2	20.0

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Brown ES
Report No: 18-114-0244

QC Prep: L379183
QC Prep Batch Method: EPA-200.8
QC Analytical Batch(es): L379479
Analysis Method: EPA-200.8
Analysis Description: Metals Analyses

Lab Reagent Blank LRB-L379183 Matrix: AQU
Associated Lab Samples: 93488, 93489, 93490, 93491, 93492, 93493, 93494, 93495, 93496, 93497, 93498, 93499, 93500, 93501, 93502

Parameter	Units	Blank Result	MQL	Analyzed
Copper	µg/L	< 0.500	0.500	04/26/18 20:15
Lead	µg/L	< 0.500	0.500	04/26/18 20:15

Laboratory Control Sample LCS-L379183

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	46.0	91.5	85-115
Lead	µg/L	50.3	46.5	92.5	85-115

Matrix Spike & Matrix Spike Duplicate L 93502-MS-L379183 L 93502-MSD-L379183

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	77.7	50.3	50.3	120	124	84.1	92.1	70-130	3.2	20.0
Lead	µg/L	< 0.503	50.3	50.3	48.5	47.9	96.5	95.3	70-130	1.2	20.0

Cooler Receipt Form

Customer Number: **23169**

Customer Name: **GLE Associates**

Report Number: **18-114-0244**

Shipping Method

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

Shipping container/cooler uncompromised?	☒ Yes	☐ No	
Number of coolers received	2		
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:

Danyale Love

Date & Time:

04/24/2018 10:34:54

Client Name/Address GLE Associates 1100 Spring Street Ste 820 Atlanta, GA		Client Project Manager/Contact Karina Riley Project/Site Location (City/State) Brown ES 9771 Poplar Rd Jonesboro, GA		Billing Information 18-114-0244 23169 04-24-2018 10:33:45 GLE Associates CCPS: Brown ES	
Project Description Lead and Copper		Project/Site Location (City/State) Brown ES 9771 Poplar Rd Jonesboro, GA		Method of ☐ RUSH - Additional charges apply ☐ Special Detection Limit(s) ☐ Date Results Needed ☐ Fed Ex ☐ Courier Other	
Project Number 18000-18861		Project Manager Email Karina Riley kborders@gleassociates.com		Purchase Order Number 404-373-3844	
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400		Project Manager Phone # 404-373-3844		Site/Facility ID # Brown ES	
Sample Identification Unless noted, all containers per Table II of 40 CFR Part 136.		Number of Containers		Matrix (Refer to Key)	
Date 4/23/18		Time 18		Required Analysis / Preservative	
W1-A		W2-A		W3-A	
W4-A		W5-A		W6-A	
W7-A		W8-A		W9-A	
W10-A		W11-A		W12-A	
W13-A		W14-A		W15-A	
W16-A		W17-A		W18-A	
W19-A		W20-A		W21-A	
W22-A		W23-A		W24-A	
W25-A		W26-A		W27-A	
W28-A		W29-A		W30-A	
W31-A		W32-A		W33-A	
W34-A		W35-A		W36-A	
W37-A		W38-A		W39-A	
W40-A		W41-A		W42-A	
W43-A		W44-A		W45-A	
W46-A		W47-A		W48-A	
W49-A		W50-A		W51-A	
W52-A		W53-A		W54-A	
W55-A		W56-A		W57-A	
W58-A		W59-A		W60-A	
W61-A		W62-A		W63-A	
W64-A		W65-A		W66-A	
W67-A		W68-A		W69-A	
W70-A		W71-A		W72-A	
W73-A		W74-A		W75-A	
W76-A		W77-A		W78-A	
W79-A		W80-A		W81-A	
W82-A		W83-A		W84-A	
W85-A		W86-A		W87-A	
W88-A		W89-A		W90-A	
W91-A		W92-A		W93-A	
W94-A		W95-A		W96-A	
W97-A		W98-A		W99-A	
W100-A		W101-A		W102-A	
W103-A		W104-A		W105-A	
W106-A		W107-A		W108-A	
W109-A		W110-A		W111-A	
W112-A		W113-A		W114-A	
W115-A		W116-A		W117-A	
W118-A		W119-A		W120-A	
W121-A		W122-A		W123-A	
W124-A		W125-A		W126-A	
W127-A		W128-A		W129-A	
W130-A		W131-A		W132-A	
W133-A		W134-A		W135-A	
W136-A		W137-A		W138-A	
W139-A		W140-A		W141-A	
W142-A		W143-A		W144-A	
W145-A		W146-A		W147-A	
W148-A		W149-A		W150-A	
W151-A		W152-A		W153-A	
W154-A		W155-A		W156-A	
W157-A		W158-A		W159-A	
W160-A		W161-A		W162-A	
W163-A		W164-A		W165-A	
W166-A		W167-A		W168-A	
W169-A		W170-A		W171-A	
W172-A		W173-A		W174-A	
W175-A		W176-A		W177-A	
W178-A		W179-A		W180-A	
W181-A		W182-A		W183-A	
W184-A		W185-A		W186-A	
W187-A		W188-A		W189-A	
W190-A		W191-A		W192-A	
W193-A		W194-A		W195-A	
W196-A		W197-A		W198-A	
W199-A		W200-A		W201-A	
W202-A		W203-A		W204-A	
W205-A		W206-A		W207-A	
W208-A		W209-A		W210-A	
W211-A		W212-A		W213-A	
W214-A		W215-A		W216-A	
W217-A		W218-A		W219-A	
W220-A		W221-A		W222-A	
W223-A		W224-A		W225-A	
W226-A		W227-A		W228-A	
W229-A		W230-A		W231-A	
W232-A		W233-A		W234-A	
W235-A		W236-A		W237-A	
W238-A		W239-A		W240-A	
W241-A		W242-A		W243-A	
W244-A		W245-A		W246-A	
W247-A		W248-A		W249-A	
W250-A		W251-A		W252-A	
W253-A		W254-A		W255-A	
W256-A		W257-A		W258-A	
W259-A		W260-A		W261-A	
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W265-A		W266-A		W267-A	
W268-A		W269-A		W270-A	
W271-A		W272-A		W273-A	
W274-A		W275-A		W276-A	
W277-A		W278-A		W279-A	
W280-A		W281-A		W282-A	
W283-A		W284-A		W285-A	
W286-A		W287-A		W288-A	
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W292-A		W293-A		W294-A	
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W301-A		W302-A		W303-A	
W304-A		W305-A		W306-A	
W307-A		W308-A		W309-A	
W310-A		W311-A		W312-A	
W313-A		W314-A		W315-A	
W316-A		W317-A		W318-A	
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W328-A		W329-A		W330-A	
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W337-A		W338-A		W339-A	
W340-A		W341-A		W342-A	
W343-A		W344-A		W345-A	
W346-A		W347-A		W348-A	
W349-A		W350-A		W351-A	
W352-A		W353-A		W354-A	
W355-A		W356-A		W357-A	
W358-A		W359-A		W360-A	
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W364-A		W365-A		W366-A	
W367-A		W368-A		W369-A	
W370-A		W371-A		W372-A	
W373-A		W374-A		W375-A	
W376-A		W377-A		W378-A	
W379-A		W380-A		W381-A	
W382-A		W383-A		W384-A	
W385-A		W386-A		W387-A	
W388-A		W389-A		W390-A	
W391-A		W392-A		W393-A	
W394-A		W395-A		W396-A	
W397-A		W398-A		W399-A	
W400-A		W401-A		W402-A	
W403-A		W404-A		W405-A	
W406-A		W407-A		W408-A	
W409-A		W410-A		W411-A	
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W472-A		W473-A		W474-A	
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W541-A		W542-A		W543-A	
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W559-A		W560-A		W561-A	
W562-A		W563-A		W564-A	
W565-A		W566-A		W567-A	
W568-A		W569-A		W570-A	
W571-A		W572-A		W573-A	

Client Name/Address GLE Associates 18000 - 18861 Lead and Copper Project Number		Client Project Manager/Contact K. Riley Project/Site Location (City/State) Brown's 9771 Poston Rd Jonesboro, GA Project Manager Phone # 404-373-3844		Billing Information 1100 Spring Street Ste 820 Atlanta, GA ☐ RUSH - Additional charges apply ☐ Special Detection Limit(s) ☐ Date Results Needed		Method ☐ Fed E ☐ Court Other		Product M - Misc	
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400		Project Manager Email kriley@gleassociates.com kbordeto@gleassociates.com		Site/Facility ID # Brown ES		Purchase Order Number		Comments/Notes	
Sample Identification Date Time		Matrix (Refer to Key) Number of Containers		(G)rab or (C)omposite		Required Analysis / Preservative		Comments/Notes	
0405 W21-A								DWF CR3	
0404 W22-A								CR3 DW	
0406 W23-A								DWF 2	
0407 W24-A								CR2 DW	
0410 W25-A								DWF 1	
0411 W26-A								CR1 DW	
0415 W27-A								Add to MC HDW	
0418 W28-A								near loops bedroom HDW (right)	
0420 W29-A								2nd grade HDW (right)	
0421 W30-A								2nd grade HDW (left)	
For Laboratory Use Only Ice Custody Seals Blank/Cooler Temp		Lab Comments		Sampled by (Name - Print) K. Riley		Client Remarks/Comments		Date Time 4/23/18 11:10	
y/n		y/n		Relinquished by: (SIGNATURE) K. Riley		Received by: (SIGNATURE) H. B. A.		Date Time 4/23/18 11:10	
Blank/Cooler Temp		Relinquished by: (SIGNATURE) H. B. A.		Relinquished by: (SIGNATURE) H. B. A.		Received by: (SIGNATURE) H. B. A.		Date Time 4/23/18	
Blank/Cooler Temp		Relinquished by: (SIGNATURE) H. B. A.		Relinquished by: (SIGNATURE) H. B. A.		Received by: (SIGNATURE) H. B. A.		Date Time 4/23/18	

Client Name/Address GLE Associates 18-114-0244 23169-2018 04-24-2018 10:33:45		Billing Information Atlanta, GA ☐ RUSH - Additional charges apply ☐ Special Detection Limit(s) ☐ Date Results Needed		Client Project Manager/Contact K. Riley Brown ES Jonesboro, GA Project Manager Phone # 404-373-3844		Project Description Lead and Copper Project Number 18000-18861		Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400		Method of Sh ☐ Fed Ex ☐ Courier Other		P - Product M - Misc GLE Associates CCPS: Brown ES	
Project Manager Email Project Manager Phone # 404-373-3844		Project Manager Email Project Manager Phone # 404-373-3844		Project Manager Email Project Manager Phone # 404-373-3844		Project Manager Email Project Manager Phone # 404-373-3844		Project Manager Email Project Manager Phone # 404-373-3844		Project Manager Email Project Manager Phone # 404-373-3844		Project Manager Email Project Manager Phone # 404-373-3844	
Number of Containers Unless noted, all containers per Table II of 40 CFR Part 136.		Matrix (Refer to Key) (G)rab or (C)omposite		Required Analysis / Preservative Cool < 10C Na2S2O3 (Micro Only) Cool <= 6C H2SO4 pH<2 None Required NaOH pH>10 HNO3 pH<2 HCL pH<2 H3PO4 pH<2 Cool <= 6C NA2S2O3		Comments/Notes Cafeteria (left) Right Cafeteria (left) ICE Cafeteria Kitchen near front entrance Kitchen near front entrance Kitchen sink (south wall) Kitchen sink (south wall) right Kitchen sink (south wall) left Kitchen Sinks Mechanical RM 46.3 HDW		Site/Facility ID # Brown ES		Purchase Order Number Other		P - Product M - Misc GLE Associates CCPS: Brown ES	
Date 0423 0424 0425 0427 0428 0430 0431 0432 0432 0440		Time W31-A W32-A W33-A W34-A W35-A W36-A W37-A W38-A W39-A W40-A		Sample Identification Unless noted, all containers per Table II of 40 CFR Part 136.		Number of Containers Matrix (Refer to Key) (G)rab or (C)omposite		Required Analysis / Preservative Cool < 10C Na2S2O3 (Micro Only) Cool <= 6C H2SO4 pH<2 None Required NaOH pH>10 HNO3 pH<2 HCL pH<2 H3PO4 pH<2 Cool <= 6C NA2S2O3		Comments/Notes Cafeteria (left) Right Cafeteria (left) ICE Cafeteria Kitchen near front entrance Kitchen near front entrance Kitchen sink (south wall) Kitchen sink (south wall) right Kitchen sink (south wall) left Kitchen Sinks Mechanical RM 46.3 HDW		Site/Facility ID # Brown ES	
Ice Y/N		Custody Seals Y/N		Lab Comments For Laboratory Use Only		Sampled by (Name - Print) K. Riley Relinquished by: (SIGNATURE) Relinquished by: (SIGNATURE) Relinquished by: (SIGNATURE)		Date 4/23/18 4/23/18 4/23/18		Time 11:10 11:10 11:10		Date 4/23/18 4/23/18 4/23/18	
Blank/Cooler Temp Y/N		Blank/Cooler Temp Y/N		Lab Comments For Laboratory Use Only		Sampled by (Name - Print) K. Riley Relinquished by: (SIGNATURE) Relinquished by: (SIGNATURE) Relinquished by: (SIGNATURE)		Date 4/23/18 4/23/18 4/23/18		Time 11:10 11:10 11:10		Date 4/23/18 4/23/18 4/23/18	

Client Name/Address: GLE Associates, Project Description: Lead and Copper, Client Project Manager/Contact: K. Riley, Billing Information: Atlanta, GA, Project/Site Location (City/State): Brown ES, Project Manager Phone #: 404-373-3844, Project Number: 18000-18861, Waypoint ANALYTICAL, 2790 Whitten Road, Memphis, TN 38133, (901) 213-2400, Sample Identification: W41-A to W50-A, Matrix (Refer to Key): Mechanical RA 46.3 HDW, Number of Containers: 136, (G)rab or (C)omposite: DWF CR 46, CR 46 DW, DWF CR 45, CR 46 DW, DWF CR 44, CR 44 DW, DWF CR 43, CR 43 DW, HDW (Adj to RA 40), Required Analysis / Preservative: Comments/Notes: Mechanical RA 46.3 HDW, DWF CR 46, CR 46 DW, DWF CR 45, CR 46 DW, DWF CR 44, CR 44 DW, DWF CR 43, CR 43 DW, HDW (Adj to RA 40), Site/Facility ID #: Brown ES, Purchase Order Number: , Project Manager Email: , Method of: Fed Ex, Courie, Other: , Relinquished by: (SIGNATURE) Hubert Avera, Relinquished by: (SIGNATURE) Hubert Avera, Relinquished by: (SIGNATURE) Hubert Avera, Date: 4/23/18, Date: 4/23/18, Date: 4/23/18, Time: 11:10, Time: 11:10, Time: 11:10

Client Name/Address GLE Associates 18-114-0244 23169 04-24-2018 10:33:45		Billing Information Atlanta, GA ☐ RUSH - Additional charges apply ☐ Special Detection Limit(s) ☐ Date Results Needed		Client Project Manager/Contact K. Riley Project/Site Location (City/State) Brown ES Jonesboro, GA Project Manager Phone #		Method of ☐ Fed Ex ☐ Courier Other																																																																																	
Project Description Lead and Copper Project Number 18000-18861		Project Manager Email Purchase Order Number		Site/Facility ID # Brown ES		Comments/Notes Cool < 10C Na2S2O3 (Micro Only) Cool <= 6C H2SO4 pH<2 None Required NaOH pH>10 HNO3 pH<2 HCL pH<2 H3PO4 pH<2 Cool <= 6C NA2S2O3																																																																																	
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400		Number of Containers Matrix (Refer to Key) (G)rab or (C)omposite		Required Analysis / Preservative		Comments/Notes																																																																																	
Date Time Sample Identification Unless noted, all containers per Table II of 40 CFR Part 136.		<table border="1"> <tr><td>0507</td><td>W61-A</td><td></td><td></td><td></td><td></td><td></td><td>CR37 DW</td></tr> <tr><td>0509</td><td>W62-A</td><td></td><td></td><td></td><td></td><td></td><td>DWF CR26</td></tr> <tr><td>0510</td><td>W63-A</td><td></td><td></td><td></td><td></td><td></td><td>DWF CR27</td></tr> <tr><td>0511</td><td>W64-A</td><td></td><td></td><td></td><td></td><td></td><td>CR27 DW</td></tr> <tr><td>0514</td><td>W65-A</td><td></td><td></td><td></td><td></td><td></td><td>DWF CR28</td></tr> <tr><td>0516</td><td>W66-A</td><td></td><td></td><td></td><td></td><td></td><td>DWF CR32</td></tr> <tr><td>0518</td><td>W67-A</td><td></td><td></td><td></td><td></td><td></td><td>DWF CR32 DW</td></tr> <tr><td>0519</td><td>W68-A</td><td></td><td></td><td></td><td></td><td></td><td>DWF CR33</td></tr> <tr><td>0519</td><td>W69-A</td><td></td><td></td><td></td><td></td><td></td><td>CR35 DWF</td></tr> <tr><td>0520</td><td>W70-A</td><td></td><td></td><td></td><td></td><td></td><td>CR35 DW</td></tr> </table>						0507	W61-A						CR37 DW	0509	W62-A						DWF CR26	0510	W63-A						DWF CR27	0511	W64-A						CR27 DW	0514	W65-A						DWF CR28	0516	W66-A						DWF CR32	0518	W67-A						DWF CR32 DW	0519	W68-A						DWF CR33	0519	W69-A						CR35 DWF	0520	W70-A						CR35 DW
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For Laboratory Use Only Ice ☒ Custody ☒ Seals ☒ Lab Comments		Client Remarks/Comments																																																																																					
Blank/Cooler Temp y/n y/n		Sampled by (Name - Print) K. Riley Relinquished by: (SIGNATURE) K. Riley		Date Time 04/23/18 11:10		Received by: (SIGNATURE) Hubert Auer Date Time 4/23/18 11:10																																																																																	
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Client Name/Address GLE Associates 18-114-0244 23169 04-24-2018 10:33:45 		Client Project Manager/Contact V. Riley Project/Site Location (City/State) Brown ES Jonesboro GA Project Manager Phone # 404-373-3844		Billing Information Atlanta, GA ☐ RUSH - Additional charges apply ☐ Special Detection Limit(s) ☐ Date Results Needed		Method of Shipm ☐ Fed Ex ☐ Courier ☐ Client Drop Off Other	
Project Description Lead and Copper Project Number 18000-188601		Project/Site Location (City/State) Brown ES Jonesboro GA Project Manager Phone # 404-373-3844		Project Manager Email Project Manager Email		Purchase Order Number Purchase Order Number	
Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400		Number of Containers Unless noted, all containers per Table II of 40 CFR Part 136.		Matrix (Refer to Key) Matrix (Refer to Key)		Required Analysis / Preservative Required Analysis / Preservative	
Sample Identification Date Time 0523 W71-A 0523 W72-A 0526 W73-A 0531 W74-A 0534 W75-A		Comments/Notes CR34 DNF CR34 DNF GYM HDN Clinic Mailroom (near admin office)		Site/Facility ID # Brown ES		Comments/Notes Cool < 10C NA2S2O3 (Micro Only) Cool <= 6C H2SO4 pH<2 None Required NaOH pH>10 HNO3 pH<2 HCL pH<2 H3PO4 pH<2 Cool <= 6C NA2S2O3	
For Laboratory Use Only Ice Custody Seals Y/N Blank/Cooler Temp		Lab Comments Lab Comments		Sampled by (Name - Print) Larina Ridgely Relinquished by: (SIGNATURE) Relinquished by: (SIGNATURE) Relinquished by: (SIGNATURE)		Client Remarks/Comments Client Remarks/Comments	
Date Time 4/23/18 11:10 4/23/18 11:10 4/23/18 11:10		Date Time 4/23/18 11:10 4/23/18 11:10 4/23/18 11:10		Date Time 4/23/18 11:10 4/23/18 11:10 4/23/18 11:10		Date Time 4/23/18 11:10 4/23/18 11:10 4/23/18 11:10	

APPENDIX B
Laboratory Certification



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



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)

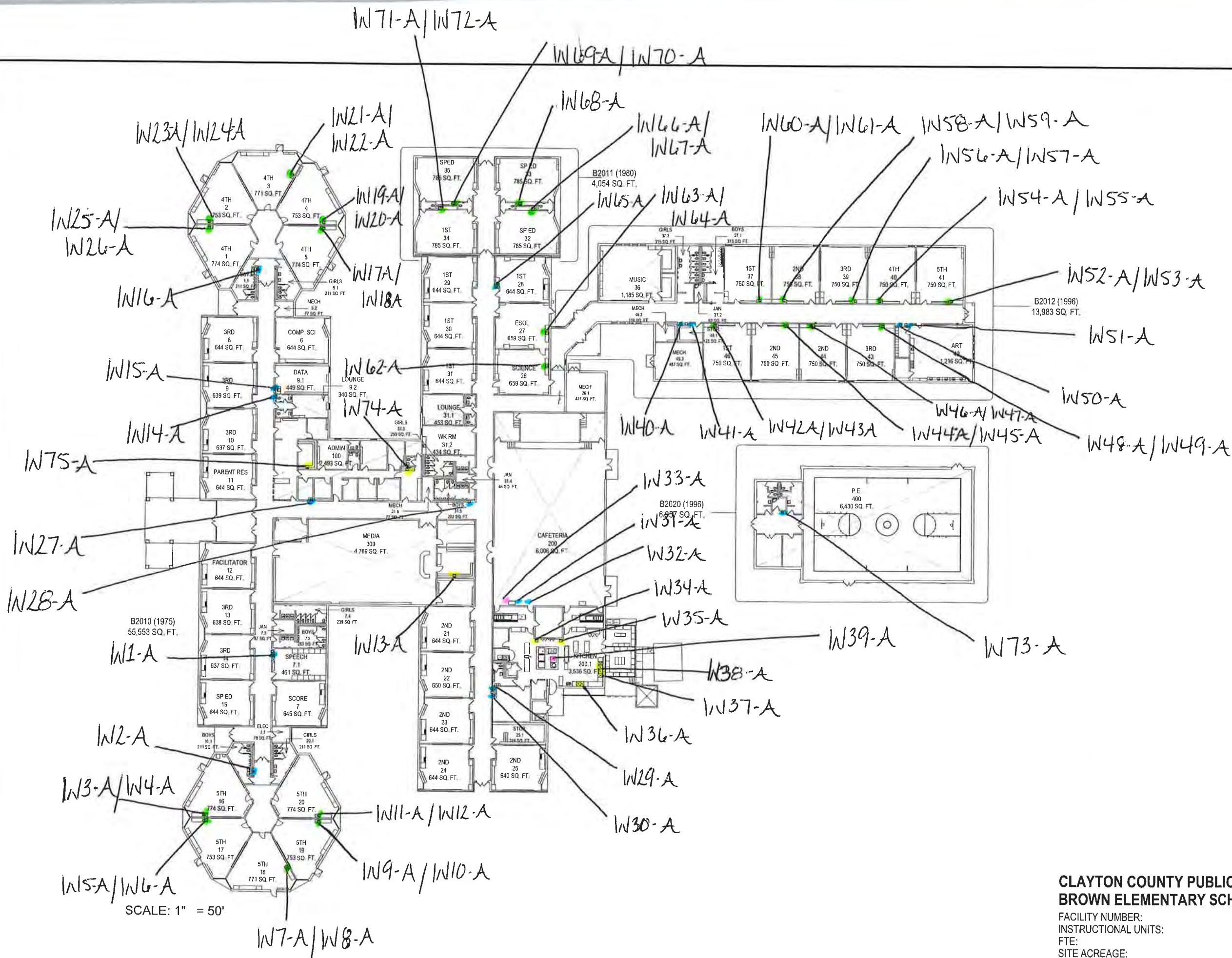
2790 Whitten Road Memphis, TN 38133

Effective March 1, 2018 to May 10, 2020

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

APPENDIX C

Sampling Plan



**CLAYTON COUNTY PUBLIC SCHOOLS
BROWN ELEMENTARY SCHOOL**

FACILITY NUMBER:	0175
INSTRUCTIONAL UNITS:	48
FTE:	650
SITE ACREAGE:	N/A AC.
TOTAL BUILDING AREA:	80,547 SF

**Manley
Spangler
Smith
Architects**