

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

**Rivers Edge Elementary School
CCPS No. 129
205 Northbridge Road
Fayetteville, GA 30215**

GLE Project No.: 18000-18861

Prepared for:

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

April 2021

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 Rivers Edge Elementary School. The purpose of the contracted project was to collect and test water samples taken from CCPS drinking, cooking, and nursing water outlets to identify the presence of lead and copper in the water of CCPS schools and administrative/support buildings. Outlets not used for drinking, such as restroom faucets, maintenance areas, and science labs were excluded from this scope of work. The testing was generally performed in accordance with the Environmental Protection Agency (EPA)'s 3Ts for Reducing Lead in Drinking Water in Schools Technical Guidance Document (revised October 2006).

On May 22, 2018, Ms. Katrina Riley and Ms. Isis Hamilton of GLE Associates, Inc. (GLE) performed initial lead and copper in drinking water sampling of Client-designated drinking water fountains and outlets used for drinking, cooking, and/or nursing located within Rivers Edge Elementary School located at 205 Northbridge Road in Fayetteville, Georgia. On June 26, 2018, Ms. Katrina Riley returned to the site to conduct follow-up sampling of outlets with elevated analytical results for lead in Rooms 2 and 22; and collect first draw samples of three outlets in Rooms 55 and 57 not previously flushed. According to the Client's representative, Rivers Edge Elementary School was originally constructed in 1994, with major renovations or additions in 2008. It is our understanding that no previous water testing has been conducted at Rivers Edge Elementary School.

2.0 INVENTORY AND SAMPLING PLANS

Prior to the initial sampling event, on February 27, 2018, GLE mobilized to the site to inventory the existing outlets at the facility to devise a sampling plan. Further, GLE submitted a Plumbing Profile to CCPS to complete prior to sampling. Based on the results of GLE's inventory and CCPS's plumbing profile, a sampling plan was created and provided to CCPS. A copy of the Sampling Plan with the sample number identifying sample areas is included in **Appendix C**.

3.0 LEAD AND COPPER IN DRINKING WATER SAMPLING PROCEDURES

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

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

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

4.0 LEAD AND COPPER IN DRINKING WATER SAMPLING FINDINGS

A total of 104 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 or “W” for water, sample number followed by B for follow up first draw sampling subsequent to repair or replacement of parts associated with the outlet(s). Outlets identified in Rooms 55 and 57 were not flushed during the initial sampling event and the samples collected were not submitted to the laboratory for analysis, per the Client’s request; however, these outlets were properly flushed and sampled during the follow up testing event. A summary of the analytical results for the lead and copper in drinking water sampling follows in **Table 4.1 – Summary of Lead and Copper in Drinking Water Sampling Results**. The reporting limit for the lead sample analysis was 0.500 microgram per liter ($\mu\text{g}/\text{L}$) or parts per billion (ppb) and for copper sample analysis was 0.500 micrograms per liter ($\mu\text{g}/\text{L}$) 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 $\mu\text{g}/\text{L}$ or ppb** and if the copper level exceeds **1,300 $\mu\text{g}/\text{L}$ or ppb**. Public water supply (PWS) systems are subject to an action level (AL) of **15 $\mu\text{g}/\text{L}$ or ppb** of lead in water for treatment (specifically, if more than 10% of samples at residences tested exceed 15 ppb, system-wide corrosion control treatment may be necessary). For the purposes of this sampling event CCPS is taking corrective action for samples reported at or greater than **15 $\mu\text{g}/\text{L}$ or ppb for lead and 1,300 $\mu\text{g}/\text{L}$ or ppb for copper**.

TABLE 4.1
SUMMARY OF LEAD AND COPPER IN DRINKING WATER SAMPLING RESULTS
RIVERS EDGE ELEMENTARY SCHOOL
FAYETTEVILLE, GEORGIA

SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W1A	CLASSROOM-10 DRINKING WATER FOUNTAIN	2.23	46.5
W2A	CLASSROOM-10 FAUCET	1.97	78.8
W3A	CLASSROOM-11 DRINKING WATER FOUNTAIN	2.24	78.7
W4A	CLASSROOM-11 FAUCET	4.47	162
W5A	CLASSROOM-9 DRINKING WATER FOUNTAIN	3.71	59.6
W6A	CLASSROOM -9 FAUCET	1.10	59.5
W7A	CLASSROOM -8 DRINKING WATER FOUNTAIN	4.87	49.1
W8A	CLASSROOM -8 FAUCET	BRL	62.6
W9A	CLASSROOM -7 DRINKING WATER FOUNTAIN	1.34	63.9
W10A	CLASSROOM-7 FAUCET	BRL	61.8
W11A	CLASSROOM -6 DRINKING WATER FOUNTAIN	1.32	64.9
W12A	CLASSROOM -6 FAUCET	0.717	76.2
W13A	CLASSROOM -5 DRINKING WATER FOUNTAIN	4.17	63.2
W14A	CLASSROOM -5 FAUCET	BRL	43.2
W15A	CLASSROOM -4 DRINKING WATER FOUNTAIN	BRL	51.6

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SAMPLE NUMBER		TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)		FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)	
W16A		CLASSROOM -4 FAUCET	BRL		48.8	
W17A		HALLWAY 4.2 (ADJACENT TO CLASSROOM 3) DRINKING WATER FOUNTAIN (LEFT)	BRL		31.5	
W18A		HALLWAY 4.2 (ADJACENT TO CLASSROOM 3)DRINKING WATER FOUNTAIN (RIGHT)	BRL		40.1	
W19A		CLASSROOM-3 DRINKING WATER FOUNTAIN	1.53		62.3	
W20A		CLASSROOM-3 FAUCET	0.621		64.8	
W21A		CLASSROOM-1 DRINKING WATER FOUNTAIN	1.42		48.5	
W22A		CLASSROOM -1 FAUCET	BRL		53.7	
W23A	W23B	CLASSROOM- 2 (FURTHEST LEFT) FAUCET	19.6	4.36	289	66.9
W24A		CLASSROOM-2 FAUCET	BRL		66.7	
W25A		CLASSROOM-2 FAUCET	BRL		39.7	
W26A		CLASSROOM-2 FAUCET	0.612		41.3	
W27A		WORK ROOM 2.1 - FAUCET	BRL		49.4	
W28A		HALLWAY 31.2 (ADJACENT TO JANITOR'S CLOSET) DRINKING WATER FOUNTAIN (RIGHT)	BRL		32.2	
W29A		HALLWAY 31.2 (ADJACENT TO JANITOR'S CLOSET) DRINKING WATER FOUNTAIN (LEFT)	BRL		32.9	

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SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W30A	WORKROOM-100.2 FAUCET	BRL	26.4
W31A	CLASSROOM-53 - DRINKING WATER FOUNTAIN	9.91	59.5
W32A	CLASSROOM 53 - FAUCET	1.17	53.8
W33A	CLASSROOM 54 - DRINKING WATER FOUNTAIN	7.66	65.6
W34A	CLASSROOM 54 - FAUCET	1.18	62.1
W35A	CLASSROOM 56- DRINKING WATER FOUNTAIN	1.79	85.4
W36A	CLASSROOM 56- FAUCET	BRL	75.5
W37A	CLASSROOM 58- DRINKING WATER FOUNTAIN	1.65	69.9
W38A	CLASSROOM 58- FAUCET	BRL	58.3
W39A	CLASSROOM 57- FAUCET	1.16	66.0
W40A	WORKROOM- 51 FAUCET	1.02	50.8
W41A	CLASSROOM-60 DRINKING WATER FOUNTAIN	0.867	49.6
W42A	CLASSROOM-60 FAUCET	BRL	43.5
W43A	4 TH AND 5 TH GRADE HALLWAY DRINKING WATER FOUNTAIN (RIGHT)	BRL	28.6

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SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS ($\mu\text{g}/\text{L}$)	FIRST DRAW- COPPER SAMPLE RESULTS ($\mu\text{g}/\text{L}$)
W44A	4 TH AND 5 TH GRADE HALLWAY DRINKING WATER FOUNTAIN (MIDDLE)	BRL	31.6
W45A	4 TH AND 5 TH GRADE HALLWAY DRINKING WATER FOUNTAIN (LEFT)	BRL	145
W46A	CLASSROOM-62 DRINKING WATER FOUNTAIN	1.27	58.7
W47A	CLASSROOM-62 FAUCET	BRL	56.2
W48A	CLASSROOM-64 DRINKING WATER FOUNTAIN	3.36	63.0
W49A	CLASSROOM-64 FAUCET	0.559	56.8
W50A	CLASSROOM-63 DRINKING WATER FOUNTAIN	1.15	52.7
W51A	CLASSROOM-63 FAUCET	BRL	45.2
W52A	CLASSROOM-66 DRINKING WATER FOUNTAIN	1.12	69.7
W53A	CLASSROOM-66 FAUCET	BRL	57.2
W54A	CLASSROOM-65 DRINKING WATER FOUNTAIN	1.43	67.7
W55A	CLASSROOM-65 FAUCET	BRL	68.9
W56A	3 RD GRADE HALLWAY DRINKING WATER FOUNTAIN (RIGHT)	BRL	28.7
W57A	3 RD GRADE HALLWAY DRINKING WATER FOUNTAIN (LEFT)	BRL	37.2

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SAMPLE NUMBER		TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)	
W58A		CLASSROOM-19 DRINKING WATER FOUNTAIN	BRL		30.6
W59A		CLASSROOM 19- FAUCET	0.506		33.2
W60A		CLASSROOM-20 DRINKING WATER FOUNTAIN	0.929		47.0
W61A		CLASSROOM-20 FAUCET	BRL		53.7
W62A		CLASSROOM-21 DRINKING WATER FOUNTAIN	1.66		51.7
W63A		CLASSROOM-21 FAUCET	0.600		49.8
W64A		CLASSROOM-23 DRINKING WATER FOUNTAIN	1.63		74.9
W65A		CLASSROOM-23 FAUCET	0.541		64.3
W66A	W66B	CLASSROOM-22 DRINKING WATER FOUNTAIN	29.9	5.59	189
W67A		CLASSROOM-22 FAUCET	1.80		95.8
W68A		CLASSROOM-25 DRINKING WATER FOUNTAIN	5.45		130
W69A		CLASSROOM-25 FAUCET	2.13		155
W70A		CLASSROOM-26 DRINKING WATER FOUNTAIN	4.10		42.9
W71A		CLASSROOM-26 DRINKING WATER FOUNTAIN	BRL		38.4
W72A		CAFETERIA DRINKING WATER FOUNTAIN (NORTHEAST WALL)	BRL		81.2

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SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W73A	CAFETERIA FAUCET (NORTHEAST WALL)	0.915	102
W74A	CAFETERIA DRINKING WATER FOUNTAIN (NORTHWEST WALL)	BRL	46.2
W75A	CAFETERIA- FAUCET (NORTHWEST WALL)	0.586	64.7
W76A	KITCHEN-C1 (WEST WALL)	BRL	46.3
W77A	KITCHEN-W1	BRL	34.5
W78A	KITCHEN-W2	BRL	45.6
W79A	KITCHEN-STEAMER	0.657	31.3
W80A	KITCHEN-FAUCET	BRL	30.9
W81A	KITCHEN-ICE	BRL	0.565
W82A	KITCHEN- C2 (EAST WALL)	BRL	58.9
W83A	GYMNASIUM HALLWAY- DRINKING WATER FOUNTAIN (RIGHT)	BRL	37.3
W84A	GYMNASIUM HALLWAY- DRINKING WATER FOUNTAIN (EAST)	BRL	28.7
W85A	CLASSROOM-18 DRINKING WATER FOUNTAIN	1.84	62.9
W86A	CLASSROOM-18 FAUCET	4.10	60.3

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FAYETTEVILLE, GEORGIA

SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W87A	CLASSROOM 17- DRINKING WATER FOUNTAIN	0.784	60.0
W88A	CLASSROOM 17- FAUCET	BRL	57.0
W89A	CLASSROOM-15 DRINKING WATER FOUNTAIN	1.63	62.8
W90A	CLASSROOM-15 FAUCET	1.09	86.5
W91A	2 ND GRADE HALLWAY DRINKING WATER FOUNTAIN (RIGHT)	BRL	28.8
W92A	2 ND GRADE HALLWAY DRINKING WATER FOUNTAIN (LEFT)	BRL	33.2
W93A	CLASSROOM-14 DRINKING WATER FOUNTAIN	5.65	77.2
W94A	CLASSROOM-14 FAUCET	0.959	104
W95A	CLASSROOM-13 DRINKING WATER FOUNTAIN	1.76	74.8
W96A	CLASSROOM-13 FAUCET	BRL	56.3
W97A	CLASSROOM-12 DRINKING WATER FOUNTAIN	2.49	60.7
W98A	CLASSROOM-12 FAUCET	BRL	76.5
W99A	ADMINISTRATION OFFICE- DRINKING WATER FOUNTAIN	2.84	57.4
W100A	ADMINISTRATION OFFICE- FAUCET	BRL	54.9

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SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W101A	MEDIA CENTER- FAUCET	BRL	35.3
W102A*	CLASSROOM 55 DRINKING WATER FOUNTAIN	2.55	66.4
W103A*	CLASSROOM 55 DRINKING WATER	5.87	71.2
W104A*	CLASSROOM 57 DRINKING WATER FOUNTAIN	1.86	80.4

BRL – Below Reporting Limits

µg/L – micrograms per liter

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

*Properly flushed and resampled during the follow up testing event.

5.0 CONCLUSIONS AND RECOMMENDATIONS

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

1. A total of 104 initial first draw water samples were collected for analysis of lead and copper content, comprised of one water sample from each Client-designated drinking water fountains and outlets used for drinking, cooking, and/or nursing outlets at Rivers Edge Elementary School. During the initial assessment, 101 first draw water samples were submitted to the laboratory for analysis, and three (3) samples collected from Rooms 55 & 57 were not analyzed for lead and copper content during the initial testing due to flushing times not meeting the 8 to 18-hour minimum requirement.
2. Fifty-eight (58) of the 101 first draw initial water samples analyzed for lead indicated detectable levels of lead. Two (2) of the 101 first draw initial water samples with detectable levels of lead were **greater** than the EPA PWS AL of 15 $\mu\text{g}/\text{L}$. These two outlets, the furthest sink to the left (facing the outlets) in Room 2 and the drinking water fountain in Room 22, were removed from service for drinking water or cooking activities until follow-up sampling was conducted. Subsequent to the Client replacing the water outlets associated with the drinking water outlets in Room 2 and the drinking water fountain in Room 22, on June 26, 2018, these outlets were flushed and a follow up first draw water sample was collected and analyzed. The follow up first draw water samples collected from the two (2) identified outlets in Rooms 2 and 22, indicated detectable levels of lead, but were **less** than the EPA PWS AL of 15 $\mu\text{g}/\text{L}$.
3. 101 of the 101 first draw initial water samples indicated detectable levels of copper. None of the 101 first draw initial water samples with detectable levels of copper was **greater** than 1300 $\mu\text{g}/\text{L}$. Further, the follow up first draw water samples collected from the outlets in Rooms 2 and 22 subsequent to replacement, did not identify copper greater than 1,300 $\mu\text{g}/\text{L}$.

6.0 LIMITATIONS

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

APPENDIX A
Laboratory Analytical Results and
Chains of Custody

5/30/2018

GLE Associates
 Ms. Karina Riley
 1100 Spring St, NW²Suite 820
 Suite 820
 Atlanta, GA, 30309

Ref: Analytical Testing
 Lab Report Number: 18-143-0259
 Client Project Description: CCPS: Rivers Edge ES
 Fayetteville, GA
 Project # 18000-18861

Dear Ms. Karina Riley:

Waypoint Analytical, Inc. received sample(s) on 5/23/2018 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	





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Sample Summary Table

Report Number: **18-143-0259**

Client Project Description: **CCPS: Rivers Edge ES**
Fayetteville, GA
Project # 18000-18861

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
93832	W-1	Aqueous	05/22/2018 03:24	05/23/2018
93833	W-2	Aqueous	05/22/2018 03:24	05/23/2018
93834	W-3	Aqueous	05/22/2018 03:25	05/23/2018
93835	W-4	Aqueous	05/22/2018 03:25	05/23/2018
93836	W-5	Aqueous	05/22/2018 03:27	05/23/2018
93837	W-6	Aqueous	05/22/2018 03:27	05/23/2018
93838	W-7	Aqueous	05/22/2018 03:29	05/23/2018
93839	W-8	Aqueous	05/22/2018 03:29	05/23/2018
93840	W-9	Aqueous	05/22/2018 03:31	05/23/2018
93841	W-10	Aqueous	05/22/2018 03:31	05/23/2018
93842	W-11	Aqueous	05/22/2018 03:35	05/23/2018
93843	W-12	Aqueous	05/22/2018 03:36	05/23/2018
93844	W-13	Aqueous	05/22/2018 03:37	05/23/2018
93845	W-14	Aqueous	05/22/2018 03:38	05/23/2018
93846	W-15	Aqueous	05/22/2018 03:40	05/23/2018
93847	W-16	Aqueous	05/22/2018 03:40	05/23/2018
93848	W-17	Aqueous	05/22/2018 03:42	05/23/2018
93849	W-18	Aqueous	05/22/2018 03:43	05/23/2018
93850	W-19	Aqueous	05/22/2018 03:44	05/23/2018
93851	W-20	Aqueous	05/22/2018 03:45	05/23/2018
93852	W-21	Aqueous	05/22/2018 03:46	05/23/2018
93853	W-22	Aqueous	05/22/2018 03:46	05/23/2018
93854	W-23	Aqueous	05/22/2018 03:50	05/23/2018
93855	W-24	Aqueous	05/22/2018 03:51	05/23/2018
93856	W-25	Aqueous	05/22/2018 03:52	05/23/2018
93857	W-26	Aqueous	05/22/2018 03:53	05/23/2018



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Sample Summary Table

Report Number: **18-143-0259**

Client Project Description: **CCPS: Rivers Edge ES**
Fayetteville, GA
Project # 18000-18861

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
93858	W-27	Aqueous	05/22/2018 03:54	05/23/2018
93859	W-28	Aqueous	05/22/2018 03:59	05/23/2018
93860	W-29	Aqueous	05/22/2018 04:00	05/23/2018
93861	W-30	Aqueous	05/22/2018 04:01	05/23/2018
93862	W-31	Aqueous	05/22/2018 04:06	05/23/2018
93863	W-32	Aqueous	05/22/2018 04:07	05/23/2018
93864	W-33	Aqueous	05/22/2018 04:09	05/23/2018
93865	W-34	Aqueous	05/22/2018 04:09	05/23/2018
93866	W-35	Aqueous	05/22/2018 04:10	05/23/2018
93867	W-36	Aqueous	05/22/2018 04:11	05/23/2018
93868	W-37	Aqueous	05/22/2018 04:14	05/23/2018
93869	W-38	Aqueous	05/22/2018 04:15	05/23/2018
93870	W-39	Aqueous	05/22/2018 04:16	05/23/2018
93871	W-40	Aqueous	05/22/2018 04:18	05/23/2018
93872	W-41	Aqueous	05/22/2018 04:19	05/23/2018
93873	W-42	Aqueous	05/22/2018 04:20	05/23/2018
93874	W-43	Aqueous	05/22/2018 04:21	05/23/2018
93875	W-44	Aqueous	05/22/2018 04:21	05/23/2018
93876	W-45	Aqueous	05/22/2018 04:22	05/23/2018
93877	W-46	Aqueous	05/22/2018 04:24	05/23/2018
93878	W-47	Aqueous	05/22/2018 04:25	05/23/2018
93879	W-48	Aqueous	05/22/2018 04:27	05/23/2018
93880	W-49	Aqueous	05/22/2018 04:28	05/23/2018
93881	W-50	Aqueous	05/22/2018 04:29	05/23/2018
93882	W-51	Aqueous	05/22/2018 04:30	05/23/2018
93883	W-52	Aqueous	05/22/2018 04:32	05/23/2018



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Sample Summary Table

Report Number: **18-143-0259**

Client Project Description: **CCPS: Rivers Edge ES**
Fayetteville, GA
Project # 18000-18861

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
93884	W-53	Aqueous	05/22/2018 04:32	05/23/2018
93885	W-54	Aqueous	05/22/2018 04:34	05/23/2018
93886	W-55	Aqueous	05/22/2018 04:35	05/23/2018
93887	W-56	Aqueous	05/22/2018 04:41	05/23/2018
93888	W-57	Aqueous	05/22/2018 04:42	05/23/2018
93889	W-58	Aqueous	05/22/2018 04:43	05/23/2018
93890	W-59	Aqueous	05/22/2018 04:43	05/23/2018
93891	W-60	Aqueous	05/22/2018 04:46	05/23/2018
93892	W-61	Aqueous	05/22/2018 04:47	05/23/2018
93893	W-62	Aqueous	05/22/2018 04:48	05/23/2018
93894	W-63	Aqueous	05/22/2018 04:49	05/23/2018
93895	W-64	Aqueous	05/22/2018 04:50	05/23/2018
93896	W-65	Aqueous	05/22/2018 04:50	05/23/2018
93897	W-66	Aqueous	05/22/2018 04:52	05/23/2018
93898	W-67	Aqueous	05/22/2018 04:43	05/23/2018
93899	W-68	Aqueous	05/22/2018 04:55	05/23/2018
93900	W-69	Aqueous	05/22/2018 04:56	05/23/2018
93901	W-70	Aqueous	05/22/2018 05:00	05/23/2018
93902	W-71	Aqueous	05/22/2018 05:01	05/23/2018
93903	W-72	Aqueous	05/22/2018 05:02	05/23/2018
93904	W-73	Aqueous	05/22/2018 05:04	05/23/2018
93905	W-74	Aqueous	05/22/2018 05:06	05/23/2018
93906	W-75	Aqueous	05/22/2018 05:06	05/23/2018
93907	W-76	Aqueous	05/22/2018 05:10	05/23/2018
93908	W-77	Aqueous	05/22/2018 05:11	05/23/2018
93909	W-78	Aqueous	05/22/2018 05:12	05/23/2018



2790 Whitten Road, Memphis, TN 38133
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Sample Summary Table

Report Number: **18-143-0259**

Client Project Description: **CCPS: Rivers Edge ES**
Fayetteville, GA
Project # 18000-18861

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
93910	W-79	Aqueous	05/22/2018 05:13	05/23/2018
93911	W-80	Aqueous	05/22/2018 05:14	05/23/2018
93912	W-81	Aqueous	05/22/2018 05:16	05/23/2018
93913	W-82	Aqueous	05/22/2018 05:18	05/23/2018
93914	W-83	Aqueous	05/22/2018 05:22	05/23/2018
93915	W-84	Aqueous	05/22/2018 05:23	05/23/2018
93916	W-85	Aqueous	05/22/2018 05:25	05/23/2018
93917	W-86	Aqueous	05/22/2018 05:26	05/23/2018
93918	W-87	Aqueous	05/22/2018 05:27	05/23/2018
93919	W-88	Aqueous	05/22/2018 05:28	05/23/2018
93920	W-89	Aqueous	05/22/2018 05:29	05/23/2018
93921	W-90	Aqueous	05/22/2018 05:30	05/23/2018
93922	W-91	Aqueous	05/22/2018 05:32	05/23/2018
93923	W-92	Aqueous	05/22/2018 05:33	05/23/2018
93924	W-93	Aqueous	05/22/2018 05:34	05/23/2018
93925	W-94	Aqueous	05/22/2018 05:35	05/23/2018
93926	W-95	Aqueous	05/22/2018 05:36	05/23/2018
93927	W-96	Aqueous	05/22/2018 05:36	05/23/2018
93928	W-97	Aqueous	05/22/2018 05:39	05/23/2018
93929	W-98	Aqueous	05/22/2018 05:40	05/23/2018
93930	W-99	Aqueous	05/22/2018 05:42	05/23/2018

Summary of Detected Analytes					
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Project: CCPS: Rivers Edge ES

Report Number: 18-143-0259

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W-1	L 93832							
EPA-200.8	Copper			46.5	µg/L	0.500	05/25/2018 19:20	
EPA-200.8	Lead			2.23	µg/L	0.500	05/25/2018 19:20	
W-2	L 93833							
EPA-200.8	Copper			78.8	µg/L	0.500	05/25/2018 19:30	
EPA-200.8	Lead			1.97	µg/L	0.500	05/25/2018 19:30	
W-3	L 93834							
EPA-200.8	Copper			78.7	µg/L	0.500	05/25/2018 19:34	
EPA-200.8	Lead			2.24	µg/L	0.500	05/25/2018 19:34	
W-4	L 93835							
EPA-200.8	Copper			162	µg/L	0.500	05/25/2018 19:38	
EPA-200.8	Lead			4.47	µg/L	0.500	05/25/2018 19:38	
W-5	L 93836							
EPA-200.8	Copper			59.6	µg/L	0.500	05/25/2018 19:43	
EPA-200.8	Lead			3.71	µg/L	0.500	05/25/2018 19:43	
W-6	L 93837							
EPA-200.8	Copper			59.5	µg/L	0.500	05/25/2018 19:47	
EPA-200.8	Lead			1.10	µg/L	0.500	05/25/2018 19:47	
W-7	L 93838							
EPA-200.8	Copper			49.1	µg/L	0.500	05/25/2018 19:50	
EPA-200.8	Lead			4.87	µg/L	0.500	05/25/2018 19:50	
W-8	L 93839							
EPA-200.8	Copper			62.6	µg/L	0.500	05/25/2018 19:54	
W-9	L 93840							
EPA-200.8	Copper			63.9	µg/L	0.500	05/25/2018 19:57	
EPA-200.8	Lead			1.34	µg/L	0.500	05/25/2018 19:57	
W-10	L 93841							
EPA-200.8	Copper			61.8	µg/L	0.500	05/25/2018 20:01	
W-11	L 93842							
EPA-200.8	Copper			64.9	µg/L	0.500	05/25/2018 20:04	
EPA-200.8	Lead			1.32	µg/L	0.500	05/25/2018 20:04	
W-12	L 93843							
EPA-200.8	Copper			76.2	µg/L	0.500	05/25/2018 20:18	
EPA-200.8	Lead			0.717	µg/L	0.500	05/25/2018 20:18	

Summary of Detected Analytes						
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Project: CCPS: Rivers Edge ES

Report Number: 18-143-0259

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W-13	L 93844							
EPA-200.8	Copper			63.2	µg/L	0.500	05/25/2018 20:21	
EPA-200.8	Lead			4.17	µg/L	0.500	05/25/2018 20:21	
W-14	L 93845							
EPA-200.8	Copper			43.2	µg/L	0.500	05/25/2018 20:25	
W-15	L 93846							
EPA-200.8	Copper			51.6	µg/L	0.500	05/25/2018 20:28	
W-16	L 93847							
EPA-200.8	Copper			48.8	µg/L	0.500	05/25/2018 20:32	
W-17	L 93848							
EPA-200.8	Copper			31.5	µg/L	0.500	05/25/2018 20:35	
W-18	L 93849							
EPA-200.8	Copper			40.1	µg/L	0.500	05/25/2018 20:38	
W-19	L 93850							
EPA-200.8	Copper			62.3	µg/L	0.500	05/25/2018 20:42	
EPA-200.8	Lead			1.53	µg/L	0.500	05/25/2018 20:42	
W-20	L 93851							
EPA-200.8	Copper			64.8	µg/L	0.500	05/25/2018 20:45	
EPA-200.8	Lead			0.621	µg/L	0.500	05/25/2018 20:45	
W-21	L 93852							
EPA-200.8	Copper			48.5	µg/L	0.500	05/25/2018 21:20	
EPA-200.8	Lead			1.42	µg/L	0.500	05/25/2018 21:20	
W-22	L 93853							
EPA-200.8	Copper			53.7	µg/L	0.500	05/25/2018 21:24	
W-23	L 93854							
EPA-200.8	Copper			289	µg/L	0.500	05/25/2018 21:27	
EPA-200.8	Lead			19.6	µg/L	0.500	05/25/2018 21:27	
W-24	L 93855							
EPA-200.8	Copper			66.7	µg/L	0.500	05/25/2018 21:32	
W-25	L 93856							
EPA-200.8	Copper			39.7	µg/L	0.500	05/25/2018 21:36	
W-26	L 93857							
EPA-200.8	Copper			41.3	µg/L	0.500	05/25/2018 21:49	

Summary of Detected Analytes						
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Project: CCPS: Rivers Edge ES

Report Number: 18-143-0259

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W-26	L 93857	EPA-200.8	Lead	0.612	µg/L	0.500	05/25/2018 21:49	
W-27	L 93858	EPA-200.8	Copper	49.4	µg/L	0.500	05/25/2018 21:53	
W-28	L 93859	EPA-200.8	Copper	32.2	µg/L	0.500	05/25/2018 21:56	
W-29	L 93860	EPA-200.8	Copper	32.9	µg/L	0.500	05/25/2018 21:59	
W-30	L 93861	EPA-200.8	Copper	26.4	µg/L	0.500	05/25/2018 22:03	
W-31	L 93862	EPA-200.8	Copper	59.5	µg/L	0.500	05/25/2018 22:06	
		EPA-200.8	Lead	9.91	µg/L	0.500	05/25/2018 22:06	
W-32	L 93863	EPA-200.8	Copper	53.8	µg/L	0.500	05/25/2018 22:10	
		EPA-200.8	Lead	1.17	µg/L	0.500	05/25/2018 22:10	
W-33	L 93864	EPA-200.8	Copper	65.6	µg/L	0.500	05/25/2018 22:14	
		EPA-200.8	Lead	7.66	µg/L	0.500	05/25/2018 22:14	
W-34	L 93865	EPA-200.8	Copper	62.1	µg/L	0.500	05/25/2018 22:18	
		EPA-200.8	Lead	1.18	µg/L	0.500	05/25/2018 22:18	
W-35	L 93866	EPA-200.8	Copper	85.4	µg/L	0.500	05/25/2018 22:21	
		EPA-200.8	Lead	1.79	µg/L	0.500	05/25/2018 22:21	
W-36	L 93867	EPA-200.8	Copper	75.5	µg/L	0.500	05/25/2018 22:35	
W-37	L 93868	EPA-200.8	Copper	69.9	µg/L	0.500	05/25/2018 22:38	
		EPA-200.8	Lead	1.65	µg/L	0.500	05/25/2018 22:38	
W-38	L 93869	EPA-200.8	Copper	58.3	µg/L	0.500	05/25/2018 22:41	

Summary of Detected Analytes						
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Project: CCPS: Rivers Edge ES

Report Number: 18-143-0259

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W-39	L 93870							
EPA-200.8	Copper			66.0	µg/L	0.500	05/25/2018 22:45	
EPA-200.8	Lead			1.16	µg/L	0.500	05/25/2018 22:45	
W-40	L 93871							
EPA-200.8	Copper			50.8	µg/L	0.500	05/25/2018 22:48	
EPA-200.8	Lead			1.02	µg/L	0.500	05/25/2018 22:48	
W-41	L 93872							
EPA-200.8	Copper			49.6	µg/L	0.500	05/25/2018 23:21	
EPA-200.8	Lead			0.867	µg/L	0.500	05/25/2018 23:21	
W-42	L 93873							
EPA-200.8	Copper			43.5	µg/L	0.500	05/25/2018 23:24	
W-43	L 93874							
EPA-200.8	Copper			28.6	µg/L	0.500	05/25/2018 23:28	
W-44	L 93875							
EPA-200.8	Copper			31.6	µg/L	0.500	05/25/2018 23:31	
W-45	L 93876							
EPA-200.8	Copper			145	µg/L	0.500	05/25/2018 23:35	
W-46	L 93877							
EPA-200.8	Copper			58.7	µg/L	0.500	05/25/2018 23:40	
EPA-200.8	Lead			1.27	µg/L	0.500	05/25/2018 23:40	
W-47	L 93878							
EPA-200.8	Copper			56.2	µg/L	0.500	05/25/2018 23:43	
W-48	L 93879							
EPA-200.8	Copper			63.0	µg/L	0.500	05/25/2018 23:47	
EPA-200.8	Lead			3.36	µg/L	0.500	05/25/2018 23:47	
W-49	L 93880							
EPA-200.8	Copper			56.8	µg/L	0.500	05/25/2018 23:51	
EPA-200.8	Lead			0.559	µg/L	0.500	05/25/2018 23:51	
W-50	L 93881							
EPA-200.8	Copper			52.7	µg/L	0.500	05/25/2018 23:54	
EPA-200.8	Lead			1.15	µg/L	0.500	05/25/2018 23:54	
W-51	L 93882							
EPA-200.8	Copper			45.2	µg/L	0.500	05/26/2018 00:07	

Summary of Detected Analytes						
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Project: CCPS: Rivers Edge ES

Report Number: 18-143-0259

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W-52	L 93883							
EPA-200.8	Copper			69.7	µg/L	0.500	05/26/2018 00:11	
EPA-200.8	Lead			1.12	µg/L	0.500	05/26/2018 00:11	
W-53	L 93884							
EPA-200.8	Copper			57.2	µg/L	0.500	05/26/2018 00:14	
W-54	L 93885							
EPA-200.8	Copper			67.7	µg/L	0.500	05/26/2018 00:18	
EPA-200.8	Lead			1.43	µg/L	0.500	05/26/2018 00:18	
W-55	L 93886							
EPA-200.8	Copper			68.9	µg/L	0.500	05/26/2018 00:21	
W-56	L 93887							
EPA-200.8	Copper			28.7	µg/L	0.500	05/26/2018 00:25	
W-57	L 93888							
EPA-200.8	Copper			37.2	µg/L	0.500	05/26/2018 00:28	
W-58	L 93889							
EPA-200.8	Copper			30.6	µg/L	0.500	05/26/2018 00:32	
W-59	L 93890							
EPA-200.8	Copper			33.2	µg/L	0.500	05/26/2018 00:35	
EPA-200.8	Lead			0.506	µg/L	0.500	05/26/2018 00:35	
W-60	L 93891							
EPA-200.8	Copper			47.0	µg/L	0.500	05/26/2018 00:39	
EPA-200.8	Lead			0.929	µg/L	0.500	05/26/2018 00:39	
W-61	L 93892							
EPA-200.8	Copper			53.7	µg/L	0.500	05/26/2018 01:16	
W-62	L 93893							
EPA-200.8	Copper			51.7	µg/L	0.500	05/26/2018 01:20	
EPA-200.8	Lead			1.66	µg/L	0.500	05/26/2018 01:20	
W-63	L 93894							
EPA-200.8	Copper			49.8	µg/L	0.500	05/26/2018 01:23	
EPA-200.8	Lead			0.600	µg/L	0.500	05/26/2018 01:23	
W-64	L 93895							
EPA-200.8	Copper			74.9	µg/L	0.500	05/26/2018 01:27	
EPA-200.8	Lead			1.63	µg/L	0.500	05/26/2018 01:27	

Summary of Detected Analytes						
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Project: CCPS: Rivers Edge ES

Report Number: 18-143-0259

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W-65	L 93896							
EPA-200.8	Copper			64.3	µg/L	0.500	05/26/2018 01:40	
EPA-200.8	Lead			0.541	µg/L	0.500	05/26/2018 01:40	
W-66	L 93897							
EPA-200.8	Copper			189	µg/L	0.500	05/26/2018 01:43	
EPA-200.8	Lead			29.9	µg/L	0.500	05/26/2018 01:43	
W-67	L 93898							
EPA-200.8	Copper			95.8	µg/L	0.500	05/26/2018 01:48	
EPA-200.8	Lead			1.80	µg/L	0.500	05/26/2018 01:48	
W-68	L 93899							
EPA-200.8	Copper			130	µg/L	0.500	05/26/2018 01:52	
EPA-200.8	Lead			5.45	µg/L	0.500	05/26/2018 01:52	
W-69	L 93900							
EPA-200.8	Copper			155	µg/L	0.500	05/26/2018 01:57	
EPA-200.8	Lead			2.13	µg/L	0.500	05/26/2018 01:57	
W-70	L 93901							
EPA-200.8	Copper			42.9	µg/L	0.500	05/26/2018 02:02	
EPA-200.8	Lead			4.10	µg/L	0.500	05/26/2018 02:02	
W-71	L 93902							
EPA-200.8	Copper			38.4	µg/L	0.500	05/26/2018 02:05	
W-72	L 93903							
EPA-200.8	Copper			81.2	µg/L	0.500	05/26/2018 02:09	
W-73	L 93904							
EPA-200.8	Copper			102	µg/L	0.500	05/26/2018 02:12	
EPA-200.8	Lead			0.915	µg/L	0.500	05/26/2018 02:12	
W-74	L 93905							
EPA-200.8	Copper			46.2	µg/L	0.500	05/26/2018 02:17	
W-75	L 93906							
EPA-200.8	Copper			64.7	µg/L	0.500	05/26/2018 02:31	
EPA-200.8	Lead			0.586	µg/L	0.500	05/26/2018 02:31	
W-76	L 93907							
EPA-200.8	Copper			46.3	µg/L	0.500	05/26/2018 02:34	

Summary of Detected Analytes						
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Project: CCPS: Rivers Edge ES

Report Number: 18-143-0259

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W-77	L 93908	EPA-200.8	Copper	34.5	µg/L	0.500	05/26/2018 02:38	
W-78	L 93909	EPA-200.8	Copper	45.6	µg/L	0.500	05/26/2018 02:41	
W-79	L 93910	EPA-200.8	Copper	31.3	µg/L	0.500	05/26/2018 02:45	
		EPA-200.8	Lead	0.657	µg/L	0.500	05/26/2018 02:45	
W-80	L 93911	EPA-200.8	Copper	30.9	µg/L	0.500	05/26/2018 02:48	
W-81	L 93912	EPA-200.8	Copper	0.565	µg/L	0.500	05/26/2018 03:22	
W-82	L 93913	EPA-200.8	Copper	58.9	µg/L	0.500	05/26/2018 03:26	
W-83	L 93914	EPA-200.8	Copper	37.3	µg/L	0.500	05/26/2018 03:29	
W-84	L 93915	EPA-200.8	Copper	28.7	µg/L	0.500	05/26/2018 03:33	
W-85	L 93916	EPA-200.8	Copper	62.9	µg/L	0.500	05/26/2018 03:36	
		EPA-200.8	Lead	1.84	µg/L	0.500	05/26/2018 03:36	
W-86	L 93917	EPA-200.8	Copper	60.3	µg/L	0.500	05/26/2018 03:40	
		EPA-200.8	Lead	4.10	µg/L	0.500	05/26/2018 03:40	
W-87	L 93918	EPA-200.8	Copper	60.0	µg/L	0.500	05/26/2018 03:43	
		EPA-200.8	Lead	0.784	µg/L	0.500	05/26/2018 03:43	
W-88	L 93919	EPA-200.8	Copper	57.0	µg/L	0.500	05/26/2018 03:46	
W-89	L 93920	EPA-200.8	Copper	62.8	µg/L	0.500	05/26/2018 03:58	
		EPA-200.8	Lead	1.63	µg/L	0.500	05/26/2018 03:58	
W-90	L 93921	EPA-200.8	Copper	86.5	µg/L	0.500	05/26/2018 04:01	

Summary of Detected Analytes						
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Project: CCPS: Rivers Edge ES

Report Number: 18-143-0259

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W-90	L 93921	EPA-200.8	Lead	1.09	µg/L	0.500	05/26/2018 04:01	
W-91	L 93922	EPA-200.8	Copper	28.8	µg/L	0.500	05/26/2018 04:05	
W-92	L 93923	EPA-200.8	Copper	33.2	µg/L	0.500	05/26/2018 04:08	
W-93	L 93924	EPA-200.8	Copper	77.2	µg/L	0.500	05/26/2018 04:12	
		EPA-200.8	Lead	5.65	µg/L	0.500	05/26/2018 04:12	
W-94	L 93925	EPA-200.8	Copper	104	µg/L	0.500	05/26/2018 04:15	
		EPA-200.8	Lead	0.959	µg/L	0.500	05/26/2018 04:15	
W-95	L 93926	EPA-200.8	Copper	74.8	µg/L	0.500	05/26/2018 04:20	
		EPA-200.8	Lead	1.76	µg/L	0.500	05/26/2018 04:20	
W-96	L 93927	EPA-200.8	Copper	56.3	µg/L	0.500	05/26/2018 04:24	
W-97	L 93928	EPA-200.8	Copper	60.7	µg/L	0.500	05/26/2018 04:27	
		EPA-200.8	Lead	2.49	µg/L	0.500	05/26/2018 04:27	
W-98	L 93929	EPA-200.8	Copper	76.5	µg/L	0.500	05/26/2018 04:31	
W-99	L 93930	EPA-200.8	Copper	57.4	µg/L	0.500	05/26/2018 04:43	
		EPA-200.8	Lead	2.84	µg/L	0.500	05/26/2018 04:43	



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Information : Fayetteville, GA
Project # 18000-18861

Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93832**

Matrix: **Aqueous**

Sample ID : **W-1**

Sampled: **5/22/2018 3:24**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	46.5	µg/L	0.500	1	05/25/18 19:20	CCR	EPA-200.8
Lead	2.23	µg/L	0.500	1	05/25/18 19:20	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93833**

Matrix: **Aqueous**

Sample ID : **W-2**

Sampled: **5/22/2018 3:24**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	78.8	µg/L	0.500	1	05/25/18 19:30	CCR	EPA-200.8
Lead	1.97	µg/L	0.500	1	05/25/18 19:30	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Information : Fayetteville, GA
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Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93834**

Matrix: **Aqueous**

Sample ID : **W-3**

Sampled: **5/22/2018 3:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	78.7	µg/L	0.500	1	05/25/18 19:34	CCR	EPA-200.8
Lead	2.24	µg/L	0.500	1	05/25/18 19:34	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93835**

Matrix: **Aqueous**

Sample ID : **W-4**

Sampled: **5/22/2018 3:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	162	µg/L	0.500	1	05/25/18 19:38	CCR	EPA-200.8
Lead	4.47	µg/L	0.500	1	05/25/18 19:38	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93836**

Matrix: **Aqueous**

Sample ID : **W-5**

Sampled: **5/22/2018 3:27**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	59.6	µg/L	0.500	1	05/25/18 19:43	CCR	EPA-200.8
Lead	3.71	µg/L	0.500	1	05/25/18 19:43	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

Received : 5/23/2018

A handwritten signature in black ink, appearing to read "Andrea Brownfield".

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93837**

Matrix: **Aqueous**

Sample ID : **W-6**

Sampled: **5/22/2018 3:27**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	59.5	µg/L	0.500	1	05/25/18 19:47	CCR	EPA-200.8
Lead	1.10	µg/L	0.500	1	05/25/18 19:47	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93838**

Matrix: **Aqueous**

Sample ID : **W-7**

Sampled: **5/22/2018 3:29**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	49.1	µg/L	0.500	1	05/25/18 19:50	CCR	EPA-200.8
Lead	4.87	µg/L	0.500	1	05/25/18 19:50	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93839**

Matrix: **Aqueous**

Sample ID : **W-8**

Sampled: **5/22/2018 3:29**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	62.6	µg/L	0.500	1	05/25/18 19:54	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 19:54	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93840**

Matrix: **Aqueous**

Sample ID : **W-9**

Sampled: **5/22/2018 3:31**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	63.9	µg/L	0.500	1	05/25/18 19:57	CCR	EPA-200.8
Lead	1.34	µg/L	0.500	1	05/25/18 19:57	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

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Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93841**

Matrix: **Aqueous**

Sample ID : **W-10**

Sampled: **5/22/2018 3:31**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	61.8	µg/L	0.500	1	05/25/18 20:01	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 20:01	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93842**

Matrix: **Aqueous**

Sample ID : **W-11**

Sampled: **5/22/2018 3:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	64.9	µg/L	0.500	1	05/25/18 20:04	CCR	EPA-200.8
Lead	1.32	µg/L	0.500	1	05/25/18 20:04	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93843**

Matrix: **Aqueous**

Sample ID : **W-12**

Sampled: **5/22/2018 3:36**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	76.2	µg/L	0.500	1	05/25/18 20:18	CCR	EPA-200.8
Lead	0.717	µg/L	0.500	1	05/25/18 20:18	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93844**

Matrix: **Aqueous**

Sample ID : **W-13**

Sampled: **5/22/2018 3:37**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	63.2	µg/L	0.500	1	05/25/18 20:21	CCR	EPA-200.8
Lead	4.17	µg/L	0.500	1	05/25/18 20:21	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93845**

Matrix: **Aqueous**

Sample ID : **W-14**

Sampled: **5/22/2018 3:38**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	43.2	µg/L	0.500	1	05/25/18 20:25	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 20:25	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93846**

Matrix: **Aqueous**

Sample ID : **W-15**

Sampled: **5/22/2018 3:40**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	51.6	µg/L	0.500	1	05/25/18 20:28	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 20:28	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93847**

Matrix: **Aqueous**

Sample ID : **W-16**

Sampled: **5/22/2018 3:40**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	48.8	µg/L	0.500	1	05/25/18 20:32	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 20:32	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93848**

Matrix: **Aqueous**

Sample ID : **W-17**

Sampled: **5/22/2018 3:42**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	31.5	µg/L	0.500	1	05/25/18 20:35	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 20:35	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93849**

Matrix: **Aqueous**

Sample ID : **W-18**

Sampled: **5/22/2018 3:43**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	40.1	µg/L	0.500	1	05/25/18 20:38	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 20:38	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93850**

Matrix: **Aqueous**

Sample ID : **W-19**

Sampled: **5/22/2018 3:44**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	62.3	µg/L	0.500	1	05/25/18 20:42	CCR	EPA-200.8
Lead	1.53	µg/L	0.500	1	05/25/18 20:42	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93851**

Matrix: **Aqueous**

Sample ID : **W-20**

Sampled: **5/22/2018 3:45**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	64.8	µg/L	0.500	1	05/25/18 20:45	CCR	EPA-200.8
Lead	0.621	µg/L	0.500	1	05/25/18 20:45	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93852**

Matrix: **Aqueous**

Sample ID : **W-21**

Sampled: **5/22/2018 3:46**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	48.5	µg/L	0.500	1	05/25/18 21:20	CCR	EPA-200.8
Lead	1.42	µg/L	0.500	1	05/25/18 21:20	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93853**

Matrix: **Aqueous**

Sample ID : **W-22**

Sampled: **5/22/2018 3:46**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	53.7	µg/L	0.500	1	05/25/18 21:24	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 21:24	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93854**

Matrix: **Aqueous**

Sample ID : **W-23**

Sampled: **5/22/2018 3:50**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	289	µg/L	0.500	1	05/25/18 21:27	CCR	EPA-200.8
Lead	19.6	µg/L	0.500	1	05/25/18 21:27	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93855**

Matrix: **Aqueous**

Sample ID : **W-24**

Sampled: **5/22/2018 3:51**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	66.7	µg/L	0.500	1	05/25/18 21:32	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 21:32	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93856**

Matrix: **Aqueous**

Sample ID : **W-25**

Sampled: **5/22/2018 3:52**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	39.7	µg/L	0.500	1	05/25/18 21:36	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 21:36	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Project # 18000-18861

Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93857**

Matrix: **Aqueous**

Sample ID : **W-26**

Sampled: **5/22/2018 3:53**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	41.3	µg/L	0.500	1	05/25/18 21:49	CCR	EPA-200.8
Lead	0.612	µg/L	0.500	1	05/25/18 21:49	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93858**

Matrix: **Aqueous**

Sample ID : **W-27**

Sampled: **5/22/2018 3:54**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	49.4	µg/L	0.500	1	05/25/18 21:53	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 21:53	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93859**

Matrix: **Aqueous**

Sample ID : **W-28**

Sampled: **5/22/2018 3:59**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	32.2	µg/L	0.500	1	05/25/18 21:56	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 21:56	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93860**

Matrix: **Aqueous**

Sample ID : **W-29**

Sampled: **5/22/2018 4:00**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	32.9	µg/L	0.500	1	05/25/18 21:59	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 21:59	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93861**

Matrix: **Aqueous**

Sample ID : **W-30**

Sampled: **5/22/2018 4:01**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	26.4	µg/L	0.500	1	05/25/18 22:03	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 22:03	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93862**

Matrix: **Aqueous**

Sample ID : **W-31**

Sampled: **5/22/2018 4:06**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	59.5	µg/L	0.500	1	05/25/18 22:06	CCR	EPA-200.8
Lead	9.91	µg/L	0.500	1	05/25/18 22:06	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93863**

Matrix: **Aqueous**

Sample ID : **W-32**

Sampled: **5/22/2018 4:07**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	53.8	µg/L	0.500	1	05/25/18 22:10	CCR	EPA-200.8
Lead	1.17	µg/L	0.500	1	05/25/18 22:10	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93864**

Matrix: **Aqueous**

Sample ID : **W-33**

Sampled: **5/22/2018 4:09**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	65.6	µg/L	0.500	1	05/25/18 22:14	CCR	EPA-200.8
Lead	7.66	µg/L	0.500	1	05/25/18 22:14	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93865**

Matrix: **Aqueous**

Sample ID : **W-34**

Sampled: **5/22/2018 4:09**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	62.1	µg/L	0.500	1	05/25/18 22:18	CCR	EPA-200.8
Lead	1.18	µg/L	0.500	1	05/25/18 22:18	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93866**

Matrix: **Aqueous**

Sample ID : **W-35**

Sampled: **5/22/2018 4:10**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	85.4	µg/L	0.500	1	05/25/18 22:21	CCR	EPA-200.8
Lead	1.79	µg/L	0.500	1	05/25/18 22:21	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93867**

Matrix: **Aqueous**

Sample ID : **W-36**

Sampled: **5/22/2018 4:11**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	75.5	µg/L	0.500	1	05/25/18 22:35	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 22:35	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93868**

Matrix: **Aqueous**

Sample ID : **W-37**

Sampled: **5/22/2018 4:14**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	69.9	µg/L	0.500	1	05/25/18 22:38	CCR	EPA-200.8
Lead	1.65	µg/L	0.500	1	05/25/18 22:38	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93869**

Matrix: **Aqueous**

Sample ID : **W-38**

Sampled: **5/22/2018 4:15**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	58.3	µg/L	0.500	1	05/25/18 22:41	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 22:41	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93870**

Matrix: **Aqueous**

Sample ID : **W-39**

Sampled: **5/22/2018 4:16**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	66.0	µg/L	0.500	1	05/25/18 22:45	CCR	EPA-200.8
Lead	1.16	µg/L	0.500	1	05/25/18 22:45	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93871**

Matrix: **Aqueous**

Sample ID : **W-40**

Sampled: **5/22/2018 4:18**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	50.8	µg/L	0.500	1	05/25/18 22:48	CCR	EPA-200.8
Lead	1.02	µg/L	0.500	1	05/25/18 22:48	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93872**

Matrix: **Aqueous**

Sample ID : **W-41**

Sampled: **5/22/2018 4:19**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	49.6	µg/L	0.500	1	05/25/18 23:21	CCR	EPA-200.8
Lead	0.867	µg/L	0.500	1	05/25/18 23:21	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93873**

Matrix: **Aqueous**

Sample ID : **W-42**

Sampled: **5/22/2018 4:20**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	43.5	µg/L	0.500	1	05/25/18 23:24	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 23:24	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93874**

Matrix: **Aqueous**

Sample ID : **W-43**

Sampled: **5/22/2018 4:21**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	28.6	µg/L	0.500	1	05/25/18 23:28	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 23:28	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93875**

Matrix: **Aqueous**

Sample ID : **W-44**

Sampled: **5/22/2018 4:21**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	31.6	µg/L	0.500	1	05/25/18 23:31	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 23:31	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93876**

Matrix: **Aqueous**

Sample ID : **W-45**

Sampled: **5/22/2018 4:22**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	145	µg/L	0.500	1	05/25/18 23:35	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 23:35	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93877**

Matrix: **Aqueous**

Sample ID : **W-46**

Sampled: **5/22/2018 4:24**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	58.7	µg/L	0.500	1	05/25/18 23:40	CCR	EPA-200.8
Lead	1.27	µg/L	0.500	1	05/25/18 23:40	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93878**

Matrix: **Aqueous**

Sample ID : **W-47**

Sampled: **5/22/2018 4:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	56.2	µg/L	0.500	1	05/25/18 23:43	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/25/18 23:43	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93879**

Matrix: **Aqueous**

Sample ID : **W-48**

Sampled: **5/22/2018 4:27**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	63.0	µg/L	0.500	1	05/25/18 23:47	CCR	EPA-200.8
Lead	3.36	µg/L	0.500	1	05/25/18 23:47	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93880**

Matrix: **Aqueous**

Sample ID : **W-49**

Sampled: **5/22/2018 4:28**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	56.8	µg/L	0.500	1	05/25/18 23:51	CCR	EPA-200.8
Lead	0.559	µg/L	0.500	1	05/25/18 23:51	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

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Project # 18000-18861

Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93881**

Matrix: **Aqueous**

Sample ID : **W-50**

Sampled: **5/22/2018 4:29**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	52.7	µg/L	0.500	1	05/25/18 23:54	CCR	EPA-200.8
Lead	1.15	µg/L	0.500	1	05/25/18 23:54	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Information : Fayetteville, GA
Project # 18000-18861

Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93882**

Matrix: **Aqueous**

Sample ID : **W-51**

Sampled: **5/22/2018 4:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	45.2	µg/L	0.500	1	05/26/18 00:07	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 00:07	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Information : Fayetteville, GA

Project # 18000-18861

Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93883**

Matrix: **Aqueous**

Sample ID : **W-52**

Sampled: **5/22/2018 4:32**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	69.7	µg/L	0.500	1	05/26/18 00:11	CCR	EPA-200.8
Lead	1.12	µg/L	0.500	1	05/26/18 00:11	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93884**

Matrix: **Aqueous**

Sample ID : **W-53**

Sampled: **5/22/2018 4:32**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	57.2	µg/L	0.500	1	05/26/18 00:14	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 00:14	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93885**

Matrix: **Aqueous**

Sample ID : **W-54**

Sampled: **5/22/2018 4:34**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	67.7	µg/L	0.500	1	05/26/18 00:18	CCR	EPA-200.8
Lead	1.43	µg/L	0.500	1	05/26/18 00:18	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93886**

Matrix: **Aqueous**

Sample ID : **W-55**

Sampled: **5/22/2018 4:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	68.9	µg/L	0.500	1	05/26/18 00:21	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 00:21	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93887**

Matrix: **Aqueous**

Sample ID : **W-56**

Sampled: **5/22/2018 4:41**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	28.7	µg/L	0.500	1	05/26/18 00:25	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 00:25	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93888**

Matrix: **Aqueous**

Sample ID : **W-57**

Sampled: **5/22/2018 4:42**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	37.2	µg/L	0.500	1	05/26/18 00:28	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 00:28	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93889**

Matrix: **Aqueous**

Sample ID : **W-58**

Sampled: **5/22/2018 4:43**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	30.6	µg/L	0.500	1	05/26/18 00:32	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 00:32	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93890**

Matrix: **Aqueous**

Sample ID : **W-59**

Sampled: **5/22/2018 4:43**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	33.2	µg/L	0.500	1	05/26/18 00:35	CCR	EPA-200.8
Lead	0.506	µg/L	0.500	1	05/26/18 00:35	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

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Report Date : 05/30/2018

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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93891**

Matrix: **Aqueous**

Sample ID : **W-60**

Sampled: **5/22/2018 4:46**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	47.0	µg/L	0.500	1	05/26/18 00:39	CCR	EPA-200.8
Lead	0.929	µg/L	0.500	1	05/26/18 00:39	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93892**

Matrix: **Aqueous**

Sample ID : **W-61**

Sampled: **5/22/2018 4:47**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	53.7	µg/L	0.500	1	05/26/18 01:16	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 01:16	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93893**

Matrix: **Aqueous**

Sample ID : **W-62**

Sampled: **5/22/2018 4:48**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	51.7	µg/L	0.500	1	05/26/18 01:20	CCR	EPA-200.8
Lead	1.66	µg/L	0.500	1	05/26/18 01:20	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93894**

Matrix: **Aqueous**

Sample ID : **W-63**

Sampled: **5/22/2018 4:49**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	49.8	µg/L	0.500	1	05/26/18 01:23	CCR	EPA-200.8
Lead	0.600	µg/L	0.500	1	05/26/18 01:23	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93895**

Matrix: **Aqueous**

Sample ID : **W-64**

Sampled: **5/22/2018 4:50**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	74.9	µg/L	0.500	1	05/26/18 01:27	CCR	EPA-200.8
Lead	1.63	µg/L	0.500	1	05/26/18 01:27	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93896**

Matrix: **Aqueous**

Sample ID : **W-65**

Sampled: **5/22/2018 4:50**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	64.3	µg/L	0.500	1	05/26/18 01:40	CCR	EPA-200.8
Lead	0.541	µg/L	0.500	1	05/26/18 01:40	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93897**

Matrix: **Aqueous**

Sample ID : **W-66**

Sampled: **5/22/2018 4:52**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	189	µg/L	0.500	1	05/26/18 01:43	CCR	EPA-200.8
Lead	29.9	µg/L	0.500	1	05/26/18 01:43	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93898**

Matrix: **Aqueous**

Sample ID : **W-67**

Sampled: **5/22/2018 4:43**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	95.8	µg/L	0.500	1	05/26/18 01:48	CCR	EPA-200.8
Lead	1.80	µg/L	0.500	1	05/26/18 01:48	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93899**

Matrix: **Aqueous**

Sample ID : **W-68**

Sampled: **5/22/2018 4:55**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	130	µg/L	0.500	1	05/26/18 01:52	CCR	EPA-200.8
Lead	5.45	µg/L	0.500	1	05/26/18 01:52	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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A handwritten signature in black ink, appearing to read "Andrea R. Brownfield".

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93900**

Matrix: **Aqueous**

Sample ID : **W-69**

Sampled: **5/22/2018 4:56**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	155	µg/L	0.500	1	05/26/18 01:57	CCR	EPA-200.8
Lead	2.13	µg/L	0.500	1	05/26/18 01:57	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93901**

Matrix: **Aqueous**

Sample ID : **W-70**

Sampled: **5/22/2018 5:00**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	42.9	µg/L	0.500	1	05/26/18 02:02	CCR	EPA-200.8
Lead	4.10	µg/L	0.500	1	05/26/18 02:02	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93902**

Matrix: **Aqueous**

Sample ID : **W-71**

Sampled: **5/22/2018 5:01**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	38.4	µg/L	0.500	1	05/26/18 02:05	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 02:05	CCR	EPA-200.8

Qualifiers/
Definitions

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Dilution Factor

MQL

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93903**

Matrix: **Aqueous**

Sample ID : **W-72**

Sampled: **5/22/2018 5:02**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	81.2	µg/L	0.500	1	05/26/18 02:09	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 02:09	CCR	EPA-200.8

Qualifiers/
Definitions

DF

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93904**

Matrix: **Aqueous**

Sample ID : **W-73**

Sampled: **5/22/2018 5:04**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	102	µg/L	0.500	1	05/26/18 02:12	CCR	EPA-200.8
Lead	0.915	µg/L	0.500	1	05/26/18 02:12	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93905**

Matrix: **Aqueous**

Sample ID : **W-74**

Sampled: **5/22/2018 5:06**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	46.2	µg/L	0.500	1	05/26/18 02:17	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 02:17	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93906**

Matrix: **Aqueous**

Sample ID : **W-75**

Sampled: **5/22/2018 5:06**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	64.7	µg/L	0.500	1	05/26/18 02:31	CCR	EPA-200.8
Lead	0.586	µg/L	0.500	1	05/26/18 02:31	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Information : Fayetteville, GA
Project # 18000-18861

Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93907**

Matrix: **Aqueous**

Sample ID : **W-76**

Sampled: **5/22/2018 5:10**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	46.3	µg/L	0.500	1	05/26/18 02:34	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 02:34	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Project # 18000-18861

Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93908**

Matrix: **Aqueous**

Sample ID : **W-77**

Sampled: **5/22/2018 5:11**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	34.5	µg/L	0.500	1	05/26/18 02:38	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 02:38	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Project # 18000-18861

Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93909**

Matrix: **Aqueous**

Sample ID : **W-78**

Sampled: **5/22/2018 5:12**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	45.6	µg/L	0.500	1	05/26/18 02:41	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 02:41	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93910**

Matrix: **Aqueous**

Sample ID : **W-79**

Sampled: **5/22/2018 5:13**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	31.3	µg/L	0.500	1	05/26/18 02:45	CCR	EPA-200.8
Lead	0.657	µg/L	0.500	1	05/26/18 02:45	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93911**

Matrix: **Aqueous**

Sample ID : **W-80**

Sampled: **5/22/2018 5:14**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	30.9	µg/L	0.500	1	05/26/18 02:48	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 02:48	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93912**

Matrix: **Aqueous**

Sample ID : **W-81**

Sampled: **5/22/2018 5:16**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	0.565	µg/L	0.500	1	05/26/18 03:22	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 03:22	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93913**

Matrix: **Aqueous**

Sample ID : **W-82**

Sampled: **5/22/2018 5:18**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	58.9	µg/L	0.500	1	05/26/18 03:26	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 03:26	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93914**

Matrix: **Aqueous**

Sample ID : **W-83**

Sampled: **5/22/2018 5:22**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	37.3	µg/L	0.500	1	05/26/18 03:29	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 03:29	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93915**

Matrix: **Aqueous**

Sample ID : **W-84**

Sampled: **5/22/2018 5:23**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	28.7	µg/L	0.500	1	05/26/18 03:33	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 03:33	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93916**

Matrix: **Aqueous**

Sample ID : **W-85**

Sampled: **5/22/2018 5:25**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	62.9	µg/L	0.500	1	05/26/18 03:36	CCR	EPA-200.8
Lead	1.84	µg/L	0.500	1	05/26/18 03:36	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93917**

Matrix: **Aqueous**

Sample ID : **W-86**

Sampled: **5/22/2018 5:26**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	60.3	µg/L	0.500	1	05/26/18 03:40	CCR	EPA-200.8
Lead	4.10	µg/L	0.500	1	05/26/18 03:40	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93918**

Matrix: **Aqueous**

Sample ID : **W-87**

Sampled: **5/22/2018 5:27**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	60.0	µg/L	0.500	1	05/26/18 03:43	CCR	EPA-200.8
Lead	0.784	µg/L	0.500	1	05/26/18 03:43	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93919**

Matrix: **Aqueous**

Sample ID : **W-88**

Sampled: **5/22/2018 5:28**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	57.0	µg/L	0.500	1	05/26/18 03:46	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 03:46	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93920**

Matrix: **Aqueous**

Sample ID : **W-89**

Sampled: **5/22/2018 5:29**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	62.8	µg/L	0.500	1	05/26/18 03:58	CCR	EPA-200.8
Lead	1.63	µg/L	0.500	1	05/26/18 03:58	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



23169

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Information : Fayetteville, GA

Project # 18000-18861

Report Date : 05/30/2018

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Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93921**

Matrix: **Aqueous**

Sample ID : **W-90**

Sampled: **5/22/2018 5:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	86.5	µg/L	0.500	1	05/26/18 04:01	CCR	EPA-200.8
Lead	1.09	µg/L	0.500	1	05/26/18 04:01	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93922**

Matrix: **Aqueous**

Sample ID : **W-91**

Sampled: **5/22/2018 5:32**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	28.8	µg/L	0.500	1	05/26/18 04:05	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 04:05	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93923**

Matrix: **Aqueous**

Sample ID : **W-92**

Sampled: **5/22/2018 5:33**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	33.2	µg/L	0.500	1	05/26/18 04:08	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 04:08	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93924**

Matrix: **Aqueous**

Sample ID : **W-93**

Sampled: **5/22/2018 5:34**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	77.2	µg/L	0.500	1	05/26/18 04:12	CCR	EPA-200.8
Lead	5.65	µg/L	0.500	1	05/26/18 04:12	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93925**

Matrix: **Aqueous**

Sample ID : **W-94**

Sampled: **5/22/2018 5:35**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	104	µg/L	0.500	1	05/26/18 04:15	CCR	EPA-200.8
Lead	0.959	µg/L	0.500	1	05/26/18 04:15	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93926**

Matrix: **Aqueous**

Sample ID : **W-95**

Sampled: **5/22/2018 5:36**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	74.8	µg/L	0.500	1	05/26/18 04:20	CCR	EPA-200.8
Lead	1.76	µg/L	0.500	1	05/26/18 04:20	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93927**

Matrix: **Aqueous**

Sample ID : **W-96**

Sampled: **5/22/2018 5:36**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	56.3	µg/L	0.500	1	05/26/18 04:24	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 04:24	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93928**

Matrix: **Aqueous**

Sample ID : **W-97**

Sampled: **5/22/2018 5:39**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	60.7	µg/L	0.500	1	05/26/18 04:27	CCR	EPA-200.8
Lead	2.49	µg/L	0.500	1	05/26/18 04:27	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
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Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93929**

Matrix: **Aqueous**

Sample ID : **W-98**

Sampled: **5/22/2018 5:40**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	76.5	µg/L	0.500	1	05/26/18 04:31	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 04:31	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0259**

REPORT OF ANALYSIS

Lab No : **93930**

Matrix: **Aqueous**

Sample ID : **W-99**

Sampled: **5/22/2018 5:42**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	57.4	µg/L	0.500	1	05/26/18 04:43	CCR	EPA-200.8
Lead	2.84	µg/L	0.500	1	05/26/18 04:43	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Rivers Edge ES
Report No: 18-143-0259

QC Prep:	L382936	QC Analytical Batch(es):	L383620
QC Prep Batch Method:	EPA-200.8	Analysis Method:	EPA-200.8
		Analysis Description:	Metals Analyses

Lab Reagent Blank	LRB-L382936	Matrix: AQU
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Associated Lab Samples: 93832, 93833, 93834, 93835, 93836, 93837, 93838, 93839, 93840, 93841, 93842, 93843, 93844, 93845, 93846, 93847

Parameter	Units	Blank Result	MQL	Analyzed
Copper	µg/L	< 0.500	0.500	05/25/18 19:13
Lead	µg/L	< 0.500	0.500	05/25/18 19:13

Laboratory Control Sample	LCS-L382936
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Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	52.0	103	85-115
Lead	µg/L	50.3	50.8	101	85-115

Matrix Spike & Matrix Spike Duplicate	L 93851-MS-L382936	L 93851-MSD-L382936
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Parameter	Units	MS Spike Result	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD	
Copper	µg/L	64.8	50.3	50.3	115	115	99.8	99.8	70-130	0.0	20.0
Lead	µg/L	0.621	50.3	50.3	51.1	50.9	100	100	70-130	0.3	20.0

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Rivers Edge ES
Report No: 18-143-0259

QC Prep:	L382938	QC Analytical Batch(es):	L383620
QC Prep Batch Method:	EPA-200.8	Analysis Method:	EPA-200.8
		Analysis Description:	Metals Analyses

Lab Reagent Blank	LRB-L382938	Matrix: AQU
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Associated Lab Samples: 93852, 93853, 93854, 93855, 93856, 93857, 93858, 93859, 93860, 93861, 93862, 93863, 93864, 93865, 93866, 93867

Parameter	Units	Blank Result	MQL	Analyzed
Copper	µg/L	< 0.500	0.500	05/25/18 21:13
Lead	µg/L	< 0.500	0.500	05/25/18 21:13

Laboratory Control Sample	LCS-L382938
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Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	51.4	102	85-115
Lead	µg/L	50.3	50.7	101	85-115

Matrix Spike & Matrix Spike Duplicate	L 93871-MS-L382938	L 93871-MSD-L382938
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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	50.8	50.3	50.3	104	0.177	106	-100*	70-130	198*	20.0
Lead	µg/L	1.02	50.3	50.3	52.3	0.319	102	-2.0*	70-130	196*	20.0

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Rivers Edge ES
Report No: 18-143-0259

QC Prep:	L382941	QC Analytical Batch(es):	L383620
QC Prep Batch Method:	EPA-200.8	Analysis Method:	EPA-200.8
		Analysis Description:	Metals Analyses

Lab Reagent Blank	LRB-L382941	Matrix: AQU
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Associated Lab Samples: 93872, 93873, 93874, 93875, 93876, 93877, 93878, 93879, 93880, 93881, 93882, 93883, 93884, 93885, 93886, 93887

Parameter	Units	Blank Result	MQL	Analyzed
Copper	µg/L	< 0.500	0.500	05/25/18 23:08
Lead	µg/L	< 0.500	0.500	05/25/18 23:08

Laboratory Control Sample	LCS-L382941
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Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	50.3	100	85-115
Lead	µg/L	50.3	51.1	102	85-115

Matrix Spike & Matrix Spike Duplicate	L 93891-MS-L382941	L 93891-MSD-L382941
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Parameter	Units	MS Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Copper	µg/L	47.0	50.3	50.3	104	101	113	107	70-130	2.9	20.0
Lead	µg/L	0.929	50.3	50.3	52.2	53.6	102	105	70-130	2.6	20.0

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Rivers Edge ES
Report No: 18-143-0259

QC Prep:	L382943	QC Analytical Batch(es):	L383620
QC Prep Batch Method:	EPA-200.8	Analysis Method:	EPA-200.8
		Analysis Description:	Metals Analyses

Lab Reagent Blank	LRB-L382943	Matrix: AQU
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Associated Lab Samples: 93892, 93893, 93894, 93895, 93896, 93897, 93898, 93899, 93900, 93901, 93902, 93903, 93904, 93905, 93906, 93907, 93908, 93909, 93910, 93911, 93912, 93913, 93914, 93915, 93916, 93917, 93918, 93919, 93920, 93921, 93922, 93923, 93924, 93925, 93926, 93927, 93928, 93929, 93930, 93931, 93932, 93933, 93934, 93935, 93936, 93937, 93938, 93939, 93940, 93941, 93942, 93943, 93944, 93945, 93946, 93947, 93948, 93949, 93950, 93951, 93952, 93953, 93954, 93955, 93956, 93957, 93958, 93959, 93960, 93961, 93962, 93963, 93964, 93965, 93966, 93967, 93968, 93969, 93970, 93971, 93972, 93973, 93974, 93975, 93976, 93977, 93978, 93979, 93980, 93981, 93982, 93983, 93984, 93985, 93986, 93987, 93988, 93989, 93990, 93991, 93992, 93993, 93994, 93995, 93996, 93997, 93998, 93999, 93900, 93901, 93902, 93903, 93904, 93905, 93906, 93907, 93908, 93909, 93910, 93911, 93912, 93913, 93914, 93915, 93916, 93917, 93918, 93919, 93920, 93921, 93922, 93923, 93924, 93925, 93926, 93927, 93928, 93929, 93930, 93931, 93932, 93933, 93934, 93935, 93936, 93937, 93938, 93939, 93940, 93941, 93942, 93943, 93944, 93945, 93946, 93947, 93948, 93949, 93950, 93951, 93952, 93953, 93954, 93955, 93956, 93957, 93958, 93959, 93960, 93961, 93962, 93963, 93964, 93965, 93966, 93967, 93968, 93969, 93970, 93971, 93972, 93973, 93974, 93975, 93976, 93977, 93978, 93979, 93980, 93981, 93982, 93983, 93984, 93985, 93986, 93987, 93988, 93989, 93990, 93991, 93992, 93993, 93994, 93995, 93996, 93997, 93998, 93999

Parameter	Units	Blank Result	MQL	Analyzed
Copper	µg/L	< 0.500	0.500	05/26/18 01:09
Lead	µg/L	< 0.500	0.500	05/26/18 01:09

Laboratory Control Sample	LCS-L382943
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Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	55.7	111	85-115
Lead	µg/L	50.3	51.0	101	85-115

Matrix Spike & Matrix Spike Duplicate	L 93911-MS-L382943	L 93911-MSD-L382943
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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	30.9	50.3	50.3	80.3	82.0	98.3	102	70-130	2.0	20.0
Lead	µg/L	< 0.503	50.3	50.3	51.1	52.5	102	104	70-130	2.7	20.0

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Rivers Edge ES
Report No: 18-143-0259

QC Prep:	L382945	QC Analytical Batch(es):	L383620
QC Prep Batch Method:	EPA-200.8	Analysis Method:	EPA-200.8
		Analysis Description:	Metals Analyses

Lab Reagent Blank	LRB-L382945	Matrix: AQU
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Associated Lab Samples: 93912, 93913, 93914, 93915, 93916, 93917, 93918, 93919, 93920, 93921, 93922, 93923, 93924, 93925, 93926, 93927

Parameter	Units	Blank Result	MQL	Analyzed
Copper	µg/L	< 0.500	0.500	05/26/18 03:15
Lead	µg/L	< 0.500	0.500	05/26/18 03:15

Laboratory Control Sample	LCS-L382945
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Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	52.3	104	85-115
Lead	µg/L	50.3	51.8	103	85-115

Matrix Spike & Matrix Spike Duplicate	L 93944-MS-L382945	L 93944-MSD-L382945
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Parameter	Units	MS Spike Result	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Copper	µg/L	54.9	50.3	50.0	102	105	93.7	100	70-130	2.8
Lead	µg/L	< 0.503	50.3	50.0	49.5	48.2	98.5	96.4	70-130	2.6

Cooler Receipt Form

Customer Number: **23169**

Customer Name: **GLE Associates**

Report Number: **18-143-0259**

Shipping Method

<input checked="" type="radio"/> Fed Ex	<input type="radio"/> US Postal	<input type="radio"/> Lab	<input type="radio"/> Other : <input type="text"/>
<input type="radio"/> UPS	<input type="radio"/> Client	<input type="radio"/> Courier	Thermometer ID: <input type="text" value="N/A"/>

Shipping container/cooler uncompromised? Yes No

Number of coolers received

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.

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:

GLE Associates
Project Description

Rivers Edge ES
Project/Site Location (City/State)

Lind and Loppier
Project Number

Taylorville, IL
Project Manager Phone #

18000-188461

464-373-3844

Waypoint
ANALYTICAL

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

Sample Identification

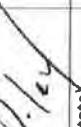
Date	Time	Required Analysis / Preservative				Comments/Notes	
5/21/18	0324	VUL-1	DIN	G	HAND3	DIN	F Rm 10
	0324	VUL-2				DIN	F Rm 10
	0325	VUL-3				DIN	F Rm 11
	0325	VUL-4				DIN	F Rm 11
	0327	VUL-5				DIN	F Rm 9
	0327	VUL-6				DIN	F Rm 9
	0328	VUL-7				DIN	F Rm 8
	0329	VUL-8				DIN	F Rm 8
	0331	VUL-9				DIN	F Rm 7
✓	0331	VUL-10	✓	✓	✓	DIN	F Rm 7

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Lab Comments

Ice	Custody Seals	Y/N	Y/N	Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time
				<i>John A.</i>	5/22/18	10:30	<i>John A.</i>	5/22/18	10:30
				<i>Hebo Amos</i>	5/22/18	15:00	<i>Hebo Amos</i>	5/22/18	15:00
				<i>J. Phillips</i>	5/23/18		<i>J. Phillips</i>	5/23/18	

Client Name/Address		Client Project Manager/Contact		Billing Information		For Laboratory Use Only	
Gill Associates Project Description Rivers Edge ES Land and Water Project Number 18000 - 18861		Natrina R. P. Project Manager Email Project Manager Phone # Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400		1100 Spring St Atlanta, GA RUSH - Additional charges apply Special Detection Limit(s) Date Results Needed Other		Method of Shipment <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off <input type="checkbox"/> Other	
						Matrix Key WW - Wastewater GW - Groundwater DW - Drinking Water S - Soil /Solid O - Oil P - Product M - Misc Cool < 10C Na2S2O3 (Micro Only)	
						Site/Facility ID # Rivers Edge ES	
						Purchase Order Number 18-143-0259 23169 06-23-2018 12:57:57	
						Comments/Notes GLE Associates CCPS: Rivers Edge ES	
						Required Analysis / Preservative	
						DWF RM 6 DWF RM 6 DWF RM 5 DWF RM 5 DWF RM 5 DWF RM 4 DWF RM 4 F (left) HW 4.2 F (right) HW 4.2 DWF RM 3 DWF RM 3	
						Unless noted, all containers per Table II of 40 CFR Part 136.	
Date	Time	Sample Identification		Client Remarks/Comments			
05/22/18 0335-		111-11		Sampled by (Name - Print) <i>Natrina R. P.</i> <i>Natrina R. P.</i> Relinquished by: (Signature) <i>Eric Marshall</i> Date Time Received by: (Signature) <i>Hugo Arez</i> Date Time <i>5/22/18 10:30</i> Relinquished by: (Signature) <i>Hugo Arez</i> Date Time Received by: (Signature) <i>Eric Marshall</i> Date Time <i>5/22/18 15:00</i> Relinquished by: (Signature) <i>H. Phillips</i> Date Time Received by: (Signature) <i>H. Phillips</i> Date Time <i>5/23/18 08:10</i>			
Date	Time	Lab Comments		For Laboratory Use Only			
Ice	Custody Seals			<input checked="" type="checkbox"/> Y N <input checked="" type="checkbox"/> Y N Blank/Cooler Temp N/A TP			

Client Name/Address		Client Project Manager/Contact		Billing Information		For Laboratory Use Only	
GLE Associates  <i>Katrina Riley</i>		Project Site Location (City/State) Rivers Edge ES Lauderdale, MS					
Project Description Landfill leachate Project Manager Phone # 18000-18861		<input type="checkbox"/> RUSH – Additional charges apply <input type="checkbox"/> Special Detection Limits Date Results Needed 		Method of Shipment <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off <input type="checkbox"/> Other		Matrix Key WW – Wastewater GW – Groundwater DW – Drinking Water S – Soil /Solid O – Oil P - Product M - Misc	
Project Number 18000-18861		Project Manager Email Katrina.Riley@processors.com		Purchase Order Number 200 826		Site/Facility ID # Burns Edge ES Front < 10C Max 2031 (Micro Only)	
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		Required Analysis / Preservative Grab or Composite Matrix (Refer to Key)		Comments/Notes DW 1 DW 1. DW 2 DW 1. DW 1 (Faint left) DW 2 DW 2 DW 2 DW 3 DW 2 DW 4 (faint right) DW 2 DW 5 DW 100.2 F (right) HW 31.2 F (left) HW 31.2 DW 6 DW 31.4	
Date	Time	Sample Identification					
05/22/2014		HW-21 HW-3 HW-3					
0346		HW-22					
0350		HW-23					
0351		HW-24					
0352		HW-25					
0353		HW-26					
0354		HW-27					
0359		HW-28					
0400		HW-29					
0401		HW-30					
For Laboratory Use Only							
Ice	Custody Seals	Lab Comments					
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
Blank/Cooler Temp N/A							
Sampled by: (Name – Print) Katrina Riley							
Client Remarks/Comments							
Relinquished by: (Signature) <i>Katrina Riley</i>		Date	Time	Received by: (Signature)		Date	Time
Relinquished by: (Signature) <i>Katrina Riley</i>		5/22/14 1:50 PM	5/22/14 1:50 PM	Hubo Perez		5/22/14 1:50 PM	5/22/14 1:50 PM
Relinquished by: (Signature) <i>Katrina Riley</i>		Date	Time	Received by: (Signature)		Date	Time
Relinquished by: (Signature) <i>Katrina Riley</i>		5/23/14 10:00 AM	5/23/14 10:00 AM	Hubo Perez		5/23/14 10:00 AM	5/23/14 10:00 AM

08:10

For Laboratory Use Only

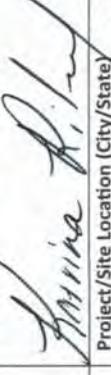
Client Name/Address Gillen Associates	Client Project Manager/Contact Karen R. Hill	Billing Information			For Laboratory Use Only		
		Project/Site Location (City/State) Rivers Edge ES Fayettville, NC	1100 Spring St. Ste 920 Atlanta, GA	Method of Shipment <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Client Drop Off <input type="checkbox"/> Courier <input type="checkbox"/> Other			Matrix Key WW - Wastewater DW - Drinking Water S - Soil Solid O - Oil P - Product M - Misc
Project Description Land and Lagoon Project Number 18000-18801	Project Manager Phone # 404-373-3844	Date Results Needed 10/10/2018	Purchase Order Number Rivers Edge ES A Cool < 10C N/A 25203 (Micro Only)			Site/Facility ID #	
<input type="checkbox"/> RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s)			 GLE Associates CCPS, Rivers Edge ES			18-143-0259 23169 05-23-2018 12:57:57	
Project Manager Email kmiley@gleassociates.com  200.88 200.88			Required Analysis / Preservative (Grab or Composite) Matrix (Refer to Key) Number of Containers Unless noted, all containers per Table II of 40 CFR Part 136.				
Date	Time	Sample Identification					
05/22/2018	04:06	111-31	DNF RM 53	DNW RM 53	DNF RM 53	DNW RM 53	
	04:07	111-32					
	04:09	111-33					
	04:09	111-34					
	04:10	111-35					
	04:11	111-36					
	04:14	111-37					
	04:15	111-38					
	04:16	111-39					
	04:18	111-40					
For Laboratory Use Only			Sampled by (Name - Print) Karen R. Hill				
Ice	Custody Seals	Lab Comments	Client Remarks/Comments				
<input checked="" type="radio"/>	<input checked="" type="radio"/>						
Blank/Cooler Temp N/A (TP)							
			Date	Time	Received by: (Signature)	Date	Time
			<i>J. Hill</i>	5/22/18 15:00	<i>Karen R. Hill</i>	5/22/18 15:00	
			Date	Time	Received by: (Signature)	Date	Time
			<i>J. Hill</i>	5/23/18 08:10	<i>J. Hill</i>	5/23/18 08:10	

For Laboratory Use Only

Client Name/Address <i>Hilt Assoc</i>		Client Project Manager/Contact <i>Katrina Hilt</i>		Billing Information 1100 Spring St. 820 Atlanta, GA		For Laboratory Use Only	
Project Description <i>Rivers Edge ES</i> <i>Fayetteville, NC</i>		Project Manager Phone # <i>Lead and Lappie 18000-188661</i>		Method of Shipment <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off <input type="checkbox"/> Other		Matrix Key WW - Wastewater DW - Groundwater DW - Drinking Water S - Soil /Solid O - Oil P - Product M - Misc	
Project/Site Location (City/State) <i>Rivers Edge ES</i> <i>Fayetteville, NC</i>		RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) <input type="checkbox"/> Date Results Needed		Purchase Order Number <i>Rivers Edge ES</i> (Micro Only)		Site/Facility ID #	
Project Number <i>404-373-3844</i>		Project Manager Email <i>Kiley@glassociates.com</i>		Barcode		Comments/Notes	
Number of Containers <i>1</i>		(Grab or Composite) <i>200.8 200.8 200.8</i>		Matrix (Refer to Key) <i>18-143-0259</i> <i>GLE Associates</i> <i>CCPS: Rivers Edge ES</i>		Comments/Notes	
Date <i>05/22/18</i>	Time <i>04:19</i>	Sample Identification <i>111-41</i>		Required Analysis / Preservative <i>DW 6 HN03/HNO3</i>		Comments/Notes	
Unless noted, all containers per Table II of 40 CFR Part 136.							
Date <i>04/20</i>	Time <i>04:20</i>	<i>111-42</i>		<i>DW 6 RM 60</i>		<i>DWF RM 60</i>	
<i>04/21</i>	<i>04:21</i>	<i>111-43</i>		<i>F (Right) 4th + 5th HW</i>		<i>DW RM 60</i>	
<i>04/22</i>	<i>04:22</i>	<i>111-44</i>		<i>F (middle) 4th + 5th HW</i>		<i>DWF RM 62</i>	
<i>04/23</i>	<i>04:23</i>	<i>111-45</i>		<i>F (left) 4th + 5th HW</i>		<i>DW RM 62</i>	
<i>04/24</i>	<i>04:24</i>	<i>111-46</i>		<i>DWF RM 62</i>		<i>DWF RM 64</i>	
<i>04/25</i>	<i>04:25</i>	<i>111-47</i>		<i>DW RM 62</i>		<i>DW RM 64</i>	
<i>04/27</i>	<i>04:27</i>	<i>111-48</i>		<i>DWF RM 64</i>		<i>DW RM 64</i>	
<i>04/28</i>	<i>04:28</i>	<i>111-49</i>		<i>DWF RM 63</i>		<i>DWF RM 63</i>	
<i>✓ 04/29</i>	<i>04:29</i>	<i>111-50</i>		<i>DWF RM 63</i>		<i>DWF RM 63</i>	
For Laboratory Use Only							
Ice <i>Y N</i>	Custody Seals <i>Y N</i>	Lab Comments		Sampled by (Name - Print) <i>Katrina Hilt</i>			
Relinquished by: (Signature) <i>John Marshall</i>		Date Time <i>5/22/18 15:00</i>		Received by: (Signature) <i>Heba Amer</i>		Date Time <i>5/22/18 10:30</i>	
Relinquished by: (Signature) <i>Heba Amer</i>		Date Time <i>5/22/18 15:00</i>		Received by: (Signature) <i>Heba Amer</i>		Date Time <i>5/22/18 15:00</i>	
Relinquished by: (Signature) <i>N/A</i>		Date Time <i>5/23/18</i>		Received by: (Signature) <i>J. Hilliard</i>		Date Time <i>5/23/18</i>	

For Laboratory Use Only

Client Name/Address Gill Associates		Client Project Manager/Contact Katrina Riley		Billing Information 1100 Spring St. #A		For Laboratory Use Only																																					
Project Description Lead and Copper		Project/Site Location (City/State) Rivers Edge ES Sayreville, NJ		Method of Shipment <input type="checkbox"/> RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) <input type="checkbox"/> Date Results Needed <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off <input type="checkbox"/> Other		Matrix Key WW - Wastewater DW - Drinking Water S - Soil /Solid O - Oil P - Product M - Misc																																					
Project Number 18000-18861	Project Manager Phone# 404-373-3844	Project Manager Email kriley@gillassociates.com	Purchase Order Number 	Site/Facility ID# River's Edge, S.S <small>Micro Only</small>																																							
		Number of Containers Unless noted, all containers per Table II of 40 CFR Part 136.	(Grab or Composite)	Matrix (Refer to Key)	GLE Associates CCPS; Rivers Edge ES	Comments/Notes																																					
<table border="1"> <thead> <tr> <th colspan="3">Required Analysis / Preservative</th> </tr> </thead> <tbody> <tr><td>Date</td><td>Time</td><td>Sample Identification</td></tr> <tr><td>05/22/18</td><td>04:30</td><td>111-51</td></tr> <tr><td></td><td>04:32</td><td>111-52</td></tr> <tr><td></td><td>04:32</td><td>111-53</td></tr> <tr><td></td><td>04:34</td><td>111-54</td></tr> <tr><td></td><td>04:35</td><td>111-55</td></tr> <tr><td></td><td>04:41</td><td>111-56</td></tr> <tr><td></td><td>04:42</td><td>111-57</td></tr> <tr><td></td><td>04:43</td><td>111-58</td></tr> <tr><td></td><td>04:43</td><td>111-59</td></tr> <tr><td></td><td>04:46</td><td>111-60</td></tr> </tbody> </table> <p>Sampled by (Name - Print) ✓ 04:46</p>								Required Analysis / Preservative			Date	Time	Sample Identification	05/22/18	04:30	111-51		04:32	111-52		04:32	111-53		04:34	111-54		04:35	111-55		04:41	111-56		04:42	111-57		04:43	111-58		04:43	111-59		04:46	111-60
Required Analysis / Preservative																																											
Date	Time	Sample Identification																																									
05/22/18	04:30	111-51																																									
	04:32	111-52																																									
	04:32	111-53																																									
	04:34	111-54																																									
	04:35	111-55																																									
	04:41	111-56																																									
	04:42	111-57																																									
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	04:46	111-60																																									
<table border="1"> <thead> <tr> <th colspan="2">For Laboratory Use Only</th> </tr> </thead> <tbody> <tr><td>Ice</td><td>Custody Seals <input checked="" type="radio"/> ✓</td></tr> <tr><td>Blank/Cooler Temp</td><td>N/A</td></tr> </tbody> </table> <p>Lab Comments</p>								For Laboratory Use Only		Ice	Custody Seals <input checked="" type="radio"/> ✓	Blank/Cooler Temp	N/A																														
For Laboratory Use Only																																											
Ice	Custody Seals <input checked="" type="radio"/> ✓																																										
Blank/Cooler Temp	N/A																																										
Relinquished by: (SIGNATURE) <i>Karen Hines</i>		Date	Time	Received by: (SIGNATURE) <i>Hilario Rivera</i>	Date	Time																																					
Relinquished by: (SIGNATURE) <i>Karen Hines</i>		5/22/18	15:00	Received by: (SIGNATURE) <i>Fotoxx</i>	5/22/18	15:00																																					
Relinquished by: (SIGNATURE) <i>Karen Hines</i>		Date	Time	Received by: (SIGNATURE) <i>Hilario Rivera</i>	Date	Time																																					
		5/23/18	08:10		5/23/18	08:10																																					

Client Name/Address		Client Project Manager/Contact	Billing Information
 HLL Assoc Rivers Edge ES Fayetteville, NC Lead and Copper Project Number 18000-188001		<p><i>Kathrina Hill</i></p> <p>Project Manager Phone #</p> <p>404 373 3844</p> <p>Project Manager Email</p> <p><i>khill@glassociates.com</i></p>	<input checked="" type="checkbox"/> RUSH – Additional charges apply <input type="checkbox"/> Special Detection Limits <input type="checkbox"/> Date Results Needed N
Project Description		<p>Project Manager Phone #</p> <p>404 373 3844</p> <p>Project Manager Email</p> <p><i>khill@glassociates.com</i></p>	<p>GLE Associates</p> <p>CCPS: Rivers Edge ES</p>
 Waypoint ANALYTICAL 2790 Whitten Road Memphis, TN 38133 (901) 213-2400		<p>Date</p> <p>Time</p> <p>Sample Identification</p> <p><i>5/22/18 0447</i></p> <p><i>111-161</i></p> <p><i>111-162</i></p> <p><i>111-163</i></p> <p><i>111-164</i></p> <p><i>111-165</i></p> <p><i>111-166</i></p> <p><i>111-167</i></p> <p><i>111-168</i></p> <p><i>111-169</i></p> <p><i>111-170</i></p> <p><i>Y 0500</i></p>	<p>Number of Containers</p> <p>Unless noted, all containers per Table II of 40 CFR Part 136.</p>
		<p>Purchase Order Number</p> <p><i>1100 Spring St 820</i></p>	<p>Required Analysis / Preservative</p> <p><i>DW F LM 20</i></p> <p><i>DWF LM 21</i></p> <p><i>DW LM 21</i></p> <p><i>DWF LM 23</i></p> <p><i>DW LM 23</i></p> <p><i>DWF LM 22</i></p> <p><i>DW LM 22</i></p> <p><i>DWF LM 25</i></p> <p><i>DW LM 25</i></p> <p><i>DWF LM 26</i></p>
			<p>Comments/Notes</p>
			<p>Sampled by (Name + Print)</p> <p><i>Kathrina Hill</i></p> <p>Relinquished by: (Signature)</p> <p><i>Heba Ayer</i></p> <p>Received by: (Signature)</p> <p>Date Time</p>
		<p>For Laboratory Use Only</p> <p>Lab Comments</p> <p>Ice</p> <p>Custody Seals</p> <p><input checked="" type="radio"/> Y/N</p>	<p>Date Time</p> <p>Received by: (Signature)</p> <p>Date Time</p>
		<p>Blank/Cooler Temp</p> <p><input type="radio"/> N/A</p>	<p>Date Time</p> <p>Received by: (Signature)</p> <p>Date Time</p>

J. Phillip

5/23/18 15:00

Heba Ayer

5/22/18 15:00

Comments/Notes

J. Phillip

5/23/18 15:00

Kathrina Hill

5/22/18 15:00

1dwater

lid O-Oil



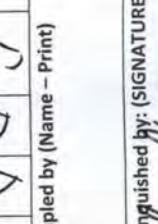
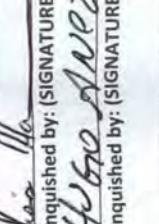
18-143-0259
23/69

05-23-2018
12:57:57

P - Product M - Misc

Cool < 10C Na25203 (Micro Only)

- A Cool < 10C Na25203 (Micro Only)
- B Cool <= 6C H2SO4 pH<2
- C None Required
- D NaOH pH>10
- E HNO3 pH<2
- F HCl pH<2
- G H3PO4 pH<2
- H Cool <= 6C Na25203

Client Name/Address		Client Project Manager/Contact		Billing Information	
 GLE Associates Project Description Rivers Edge ES		Katrina Riley Athens, GA Project Manager Phone # 404-373-3844		1100 Spring St. 820 RUSH - Additional charges apply Special Detection Limit(s) Date Results Needed	
Land Lopp - Project Number 18000-18861		Project Manager Email kriley@glasassociates.com		Purchase Order Number 5	
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.		Required Analysis / Preservative DW G HNO3 HAO3	
Date	Time	Sample Identification			
05/21/18	05:01	111-71			
	05:02	111-72			
	05:04	111-73			
	05:04	111-74			
	05:06	111-75			
	05:10	111-76			
	05:11	111-77			
	05:12	111-78			
	05:13	111-79			
	05:14	111-80			
Sampled by (Name - Print)					
For Laboratory Use Only					
Ice	Custody Seals	Lab Comments			
Y/N	Y/N				
Blank/Cooler Temp					
N/A (TP)					
Comments					
Relinquished by: (SIGNATURE)		Date	Time	Received by: (SIGNATURE)	
		5/22/18	15:00	Hector Alvarez	
Relinquished by: (SIGNATURE)		Date	Time	Received by: (SIGNATURE)	
		5/22/18	15:00	Hector Alvarez	
Relinquished by: (SIGNATURE)		Date	Time	Received by: (SIGNATURE)	
		5/23/18	08:10	Hector Alvarez	

Client Name/Address	Client Project Manager/Contact	Billing Information
<i>Katina Riling</i> Alt Assor.	1100 Spring Street 820 Atlanta, GA	18-143-0259 23169 05-23-2018 12:57:57
Project Description	Project/Site Location (City/State) Rivers Edge ES Fayetteville, GA Land and Copper Project Manager Phone # 18000-18861	RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) Date Results Needed Other GLE Associates CCPS, Rivers Edge ES P - Product M - Misc
Project Number	404-373-3844	Project Manager Email <i>Kiring@grasscivics.com</i>
Waypoint ^W ANALYTICAL	200.88 200.88	Number of Containers Unless noted, all containers per Table II of 40 CFR Part 136.
Date	Time	Sample Identification
05/21/18	0514	111-81
	0518	111-82
	0522	111-83
	0523	111-84
	0525	111-85
	0524	111-86
	0527	111-87
	0528	111-88
	0529	111-89
✓	0530	111-90
For Laboratory Use Only		
Ice	Custody Seals	Lab Comments
<input checked="" type="radio"/>	<input checked="" type="radio"/>	
Blank/Cooler Temp N/A		
Relinquished by: (SIGNATURE) <i>Katina Riling</i>		
Date Time Received by: (SIGNATURE) 5/22/18 18:10:30		
Relinquished by: (SIGNATURE) <i>Katina Riling</i>		
Date Time Received by: (SIGNATURE) 5/22/18 15:00		
Relinquished by: (SIGNATURE) <i>Katina Riling</i>		
Date Time Received by: (SIGNATURE) 5/23/18 08:10		
Comments/Notes		
Required Analysis / Preservative		
ICE - Kitchen		
C2 (East) - Kitchen		
F (Flight) - Gym HW		
F (left) - Gym HW		
DNF - RM 18		
DN - RM 18		
DNF - RM 17		
DN - RM 17		
DNF - RM 15		
DN - RM 15		
Client Remarks/Comments		
Sampled by (Name - Print) <i>Katina Riling</i>		
Relinquished by: (SIGNATURE) <i>Katina Riling</i>		
Date Time Received by: (SIGNATURE) 5/22/18 18:10:30		
Relinquished by: (SIGNATURE) <i>Katina Riling</i>		
Date Time Received by: (SIGNATURE) 5/22/18 15:00		
Relinquished by: (SIGNATURE) <i>Katina Riling</i>		
Date Time Received by: (SIGNATURE) 5/23/18 08:10		

Client Name/Address	Client Project/Manager/Contact	Billing Information
GLE Assoc.	<i>Katrina R. H.</i>	1100 Spring St. 820
Project Description	Project/Site Location (City/State)	Atlanta, GA
Rivers Edge ES	<input type="checkbox"/> RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s) Date Results Needed	
Land and Cope Inc	Project Manager Phone #	404-373-3844
19000-18861	Project Manager Email	<i>krieger@grassroots.com</i>
Project Number	Number of Containers	200.8
Waypoint ANALYTICAL	Matrix (Refer to Key)	Grab or Composite
2790 Whitten Road Memphis, TN 38133 (901) 213-2400	Unless noted, all containers per Table II of 40 CFR Part 136.	
Sample Identification		
Date	Time	
05/22/18	05:32	Ind-91
	05:33	Ind-92
	05:34	Ind-93
	05:35	Ind-94
	05:36	Ind-95
	05:36	Ind-96
	05:39	Ind-97
	05:40	Ind-98
	05:42	Ind-99
✓	05:43	Ind-100
For Laboratory Use Only		
Ice	Custody Seals	Lab Comments
<input checked="" type="radio"/>	<input checked="" type="radio"/>	
Blank/Cooler Temp	N/A 67°	
Sampled by (Name - Print)		
<i>Katrina R. H.</i>		
Client Remarks/Comments		
Relinquished by: (SIGNATURE)	Date	Time
<i>Katrina H.</i>	5/22/18	10:30
Received by: (SIGNATURE)	Date	Time
<i>Katrina H.</i>	5/22/18	15:00
Relinquished by: (SIGNATURE)	Date	Time
<i>Katrina H.</i>	5/23/18	15:00
Received by: (SIGNATURE)	Date	Time
<i>J. Phillips</i>	5/23/18	15:00

5/30/2018

GLE Associates
 Ms. Katrina Riley
 1100 Spring St, NW²Suite 820
 Suite 820
 Atlanta, GA, 30309

Ref: Analytical Testing
 Lab Report Number: 18-143-0280
 Client Project Description: CCPS: Rivers Edge ES
 Fayetteville, GA
 Project # 18000-18861

Dear Ms. Katrina Riley:

Waypoint Analytical, Inc. received sample(s) on 5/23/2018 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	





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

Sample Summary Table

Report Number: **18-143-0280**

Client Project Description: **CCPS: Rivers Edge ES**
Fayetteville, GA
Project # 18000-18861

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
93944	W-100	Aqueous	05/22/2018 05:43	05/23/2018
93945	W-101	Aqueous	05/22/2018 05:47	05/23/2018



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Summary of Detected Analytes

Project: CCPS: Rivers Edge ES

Report Number: 18-143-0280

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W-100	L 93944	EPA-200.8	Copper	54.9	µg/L	0.500	05/26/2018 04:46	
W-101	L 93945	EPA-200.8	Copper	35.3	µg/L	0.500	05/30/2018 01:49	



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www.waypointanalytical.com

23169

GLE Associates

Ms. Katrina Riley

1100 Spring St, NW²Suite 820
Suite 820
Atlanta , GA 30309

Project CCPS: Rivers Edge ES
Information : Fayetteville, GA
Project # 18000-18861

Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0280**

REPORT OF ANALYSIS

Lab No : **93944**

Matrix: **Aqueous**

Sample ID : **W-100**

Sampled: **5/22/2018 5:43**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	54.9	µg/L	0.500	1	05/26/18 04:46	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/26/18 04:46	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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

23169

GLE Associates

Ms. Katrina Riley

1100 Spring St, NW²Suite 820
Suite 820
Atlanta , GA 30309

Project CCPS: Rivers Edge ES
Information : Fayetteville, GA
Project # 18000-18861

Report Date : 05/30/2018

Received : 5/23/2018

Andrea R. Brownfield
Project manager

Report Number : **18-143-0280**

REPORT OF ANALYSIS

Lab No : **93945**

Matrix: **Aqueous**

Sample ID : **W-101**

Sampled: **5/22/2018 5:47**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	35.3	µg/L	0.500	1	05/30/18 01:49	CCR	EPA-200.8
Lead	<0.500	µg/L	0.500	1	05/30/18 01:49	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Rivers Edge ES
Report No: 18-143-0280

QC Prep:	L382945	QC Analytical Batch(es):	L383620
QC Prep Batch Method:	EPA-200.8	Analysis Method:	EPA-200.8
		Analysis Description:	Metals Analyses

Lab Reagent Blank	LRB-L382945	Matrix: AQU
--------------------------	-------------	-------------

Associated Lab Samples: 93944

Parameter	Units	Blank Result	MQL	Analyzed
Copper	µg/L	< 0.500	0.500	05/26/18 03:15
Lead	µg/L	< 0.500	0.500	05/26/18 03:15

Laboratory Control Sample	LCS-L382945
----------------------------------	-------------

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	52.3	104	85-115
Lead	µg/L	50.3	51.8	103	85-115

Matrix Spike & Matrix Spike Duplicate	L 93944-MS-L382945	L 93944-MSD-L382945
--	--------------------	---------------------

Parameter	Units	MS Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Copper	µg/L	54.9	50.3	50.0	102	105	93.7	100	70-130	2.8	20.0
Lead	µg/L	< 0.503	50.3	50.0	49.5	48.2	98.5	96.4	70-130	2.6	20.0

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Rivers Edge ES
Report No: 18-143-0280

QC Prep:	L383227	QC Analytical Batch(es):	L383777
QC Prep Batch Method:	EPA-200.8	Analysis Method:	EPA-200.8
		Analysis Description:	Metals Analyses

Lab Reagent Blank	LRB-L383227	Matrix: AQU
-------------------	-------------	-------------

Associated Lab Samples: 93945

Parameter	Units	Blank Result	MQL	Analyzed
Copper	µg/L	< 0.500	0.500	05/30/18 01:42
Lead	µg/L	< 0.500	0.500	05/30/18 01:42

Laboratory Control Sample	LCS-L383227
---------------------------	-------------

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	51.0	101	85-115
Lead	µg/L	50.3	51.5	102	85-115

Matrix Spike & Matrix Spike Duplicate	L 89916-MS-L383227	L 89916-MSD-L383227
---------------------------------------	--------------------	---------------------

Parameter	Units	MS Spike Result	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Copper	µg/L	63.0	50.3	50.3	106	107	85.5	87.5	70-130	0.9
Lead	µg/L	1.68	50.3	50.3	51.6	51.3	99.3	98.7	70-130	0.5

Cooler Receipt Form

Customer Number: **23169**

Customer Name: **GLE Associates**

Report Number: **18-143-0280**

Shipping Method

<input checked="" type="radio"/> Fed Ex	<input type="radio"/> US Postal	<input type="radio"/> Lab	<input type="radio"/> Other :	<input type="text"/>
<input type="radio"/> UPS	<input type="radio"/> Client	<input type="radio"/> Courier	Thermometer ID: N/A	

Shipping container/cooler uncompromised? Yes No

Number of coolers received

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.

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:

Client Name/Address	Client Project/Manager/Contact	Billing Information		
GLE Assoc.	<i>Katrina R. H.</i>	1100 Spring St. 820		
Project Description	Project/Site Location (City/State)	Atlanta, GA		
Rivers Edge ES	RUSH - Additional charges apply <input type="checkbox"/> Special Detection Limit(s)	ndwater oil O - Oil		
<i>Land and Cope Inc.</i>	Project Manager Phone #	404-373-3844		
Project Number	Project Manager Email	<i>krieger@grassrootsinc.com</i>		
10000-18861	Number of Containers	200.8		
Waypoint ANALYTICAL	Matrix (Refer to Key)	(Grab or Composite)		
2790 Whitten Road Memphis, TN 38133 (901) 213-2400	Unless noted, all containers per Table II of 40 CFR Part 136.			
Date	Time	Sample Identification	Required Analysis / Preservative	Comments/Notes
05/22/18	05:32	111-91		F (right) 2nd grade HW
	05:33	111-92		F (left) 2nd grade HW
	05:34	111-93		DWF - RM 14
	05:35	111-94		DW - RM 14
	05:36	111-95		DWF - RM 13
	05:36	111-96		DW - RM 13
	05:39	111-97		DWF - RM 12
	05:40	111-98		DW - RM 12
	05:42	111-99		F DW - office Admin
✓	05:43	111-100		F - office Admin
Sampled by (Name - Print)				Client Remarks/Comments
<i>Katrina R. H.</i>				
Ice	Custody Seals	Lab Comments	Received by: (SIGNATURE)	Date Time
<input checked="" type="radio"/>	<input checked="" type="radio"/>		<i>Abbie H. 1002</i>	5/22/18 10:30
Blank/Cooler Temp			Received by: (SIGNATURE)	Date Time
N/A	<i>67°</i>		<i>George F. 1000</i>	5/22/18 15:00
			Received by: (SIGNATURE)	Date Time
			<i>J. Phillips</i>	5/23/18 08:10

Client Name/Address GLE Assoc		Client Project Manager/Contact Karina Riley		Billing Information 1100 Springs St.	
				18-143-0280 23169 05-23-2018 13:14:15	
Project Description Rivers Edge ES				P - PRODUCT MVI - INVIS	
Project/Site Location (City/State) Rivers Edge ES				Groundwater /Solid O - Oil	
Project Manager Phone # 18000-188661		Project Manager Email karine.riley@glassassociates.com		Purchase Order Number Other	
Project Number Waypoint				Site/Facility ID # Rivers Edge ES	
				A Cool < 10C Na25203 (Micro Only) B Cool <= 6C C H2SO4 pH<2 D None Required E NaOH pH>10 F HNO3 pH<2 G HCl pH<2 H H3PO4 pH<2 I Cool <= 6C NA25203	
RUSH - Additional charges apply <input type="checkbox"/>					
Special Detection Limit(s) <input type="checkbox"/>					
Date Results Needed					
Unless noted, all containers per Table II of 40 CFR Part 136.					
Date	Time	Sample Identification 05/21/18 0547		Required Analysis / Preservative DUE 11 HNO3 HNO3	
Number of Containers 1					
Matrix (Refer to Key) W					
(Grab or Composite)					
Comments/Notes DN - Medical Center					
For Laboratory Use Only		Lab Comments		Client Remarks/Comments	
Ice <input checked="" type="checkbox"/>	Custody Seals <input checked="" type="checkbox"/>			Sampled by (Name/Print) J. Karine Riley Relinquished by: (Signature) John Smith	
Blank/Cooler Temp N/A				Received by: (Signature) Hughes Date/Time 5/22/18 15:00	
				Received by: (Signature) John Smith Date/Time 5/22/18 15:00	
				Received by: (Signature) Hughes Date/Time 5/23/18 08:10	

7/2/2018

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

Ref: Analytical Testing
 Lab Report Number: 18-178-0318
 Client Project Description: CCPS: Rivers Edge ES
 Project # 18000-18861

Dear Mr. Matthew Howe:
 Waypoint Analytical, Inc. received sample(s) on 6/27/2018 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	





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

Sample Summary Table

Report Number: 18-178-0318

Client Project Description: CCPS: Rivers Edge ES
Project # 18000-18861

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
92558	W23-B	Aqueous	06/26/2018 05:14	06/27/2018
92559	W66-B	Aqueous	06/26/2018 05:30	06/27/2018
92560	W102-A	Aqueous	06/26/2018 05:38	06/27/2018
92561	W103-A	Aqueous	06/26/2018 05:39	06/27/2018
92562	W104-A	Aqueous	06/26/2018 05:41	06/27/2018

Summary of Detected Analytes						
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Project: CCPS: Rivers Edge ES

Report Number: 18-178-0318

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
W23-B	L 92558							
EPA-200.8	Copper			66.9	µg/L	0.500	06/29/2018 18:56	
EPA-200.8	Lead			4.36	µg/L	0.500	06/29/2018 18:56	
W66-B	L 92559							
EPA-200.8	Copper			68.2	µg/L	0.500	06/29/2018 19:00	
EPA-200.8	Lead			5.59	µg/L	0.500	06/29/2018 19:00	
W102-A	L 92560							
EPA-200.8	Copper			66.4	µg/L	0.500	06/29/2018 19:11	
EPA-200.8	Lead			2.55	µg/L	0.500	06/29/2018 19:11	
W103-A	L 92561							
EPA-200.8	Copper			71.2	µg/L	0.500	06/29/2018 19:15	
EPA-200.8	Lead			5.87	µg/L	0.500	06/29/2018 19:15	
W104-A	L 92562							
EPA-200.8	Copper			80.4	µg/L	0.500	06/29/2018 19:19	
EPA-200.8	Lead			1.86	µg/L	0.500	06/29/2018 19:19	



23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW²Suite 820

Suite 820

Atlanta , GA 30309

Project CCPS: Rivers Edge ES
Information : Project # 18000-18861

Report Date : 07/02/2018

Received : 6/27/2018

Andrea R. Brownfield
Project manager

Report Number : **18-178-0318**

REPORT OF ANALYSIS

Lab No : **92558**

Matrix: **Aqueous**

Sample ID : **W23-B**

Sampled: **6/26/2018 5:14**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	66.9	µg/L	0.500	1	06/29/18 18:56	CCR	EPA-200.8
Lead	4.36	µg/L	0.500	1	06/29/18 18:56	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW²Suite 820

Suite 820

Atlanta , GA 30309

Project CCPS: Rivers Edge ES
Information : Project # 18000-18861

Report Date : 07/02/2018

Received : 6/27/2018

Andrea R. Brownfield
Project manager

Report Number : **18-178-0318**

REPORT OF ANALYSIS

Lab No : **92559**

Matrix: **Aqueous**

Sample ID : **W66-B**

Sampled: **6/26/2018 5:30**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	68.2	µg/L	0.500	1	06/29/18 19:00	CCR	EPA-200.8
Lead	5.59	µg/L	0.500	1	06/29/18 19:00	CCR	EPA-200.8

Qualifiers/
Definitions

DF

Dilution Factor

MQL

Method Quantitation Limit



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23169

GLE Associates

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

Project CCPS: Rivers Edge ES
Information : Project # 18000-18861

Report Date : 07/02/2018

Received : 6/27/2018

Andrea R. Brownfield
Project manager

Report Number : **18-178-0318**

REPORT OF ANALYSIS

Lab No : **92560**

Matrix: **Aqueous**

Sample ID : **W102-A**

Sampled: **6/26/2018 5:38**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	66.4	µg/L	0.500	1	06/29/18 19:11	CCR	EPA-200.8
Lead	2.55	µg/L	0.500	1	06/29/18 19:11	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



23169

GLE Associates

Mr. Matthew Howe

1100 Spring St, NW²Suite 820

Suite 820

Atlanta , GA 30309

Project CCPS: Rivers Edge ES
Information : Project # 18000-18861

Report Date : 07/02/2018

Received : 6/27/2018

Andrea R. Brownfield
Project manager

Report Number : **18-178-0318**

REPORT OF ANALYSIS

Lab No : **92561**

Matrix: **Aqueous**

Sample ID : **W103-A**

Sampled: **6/26/2018 5:39**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	71.2	µg/L	0.500	1	06/29/18 19:15	CCR	EPA-200.8
Lead	5.87	µg/L	0.500	1	06/29/18 19:15	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit



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23169

GLE Associates

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

Project CCPS: Rivers Edge ES
Information : Project # 18000-18861

Report Date : 07/02/2018

Received : 6/27/2018

Andrea R. Brownfield
Project manager

Report Number : **18-178-0318**

REPORT OF ANALYSIS

Lab No : **92562**

Matrix: **Aqueous**

Sample ID : **W104-A**

Sampled: **6/26/2018 5:41**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	80.4	µg/L	0.500	1	06/29/18 19:19	CCR	EPA-200.8
Lead	1.86	µg/L	0.500	1	06/29/18 19:19	CCR	EPA-200.8

**Qualifiers/
Definitions**

DF

Dilution Factor

MQL

Method Quantitation Limit

Quality Control Data

Client ID: GLE Associates
Project Description: CCPS: Rivers Edge ES
Report No: 18-178-0318

QC Prep:	L388459	QC Analytical Batch(es):	L388643
QC Prep Batch Method:	EPA-200.8	Analysis Method:	EPA-200.8
		Analysis Description:	Metals Analyses

Lab Reagent Blank	LRB-L388459	Matrix: AQU
--------------------------	-------------	-------------

Associated Lab Samples: 92558, 92559, 92560, 92561, 92562

Parameter	Units	Blank Result	MQL	Analyzed
Copper	µg/L	< 0.500	0.500	06/29/18 18:49
Lead	µg/L	< 0.500	0.500	06/29/18 18:49

Laboratory Control Sample	LCS-L388459
----------------------------------	-------------

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	µg/L	50.3	50.9	101	85-115
Lead	µg/L	50.3	52.3	104	85-115

Matrix Spike & Matrix Spike Duplicate	L 92567-MS-L388459	L 92567-MSD-L388459
--	--------------------	---------------------

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	172	50.3	50.3	222	213	99.5	81.5	70-130	4.1	20.0
Lead	µg/L	8.93	50.3	50.3	61.3	60.6	104	103	70-130	1.1	20.0

Cooler Receipt Form

Customer Number: **23169**

Customer Name: **GLE Associates**

Report Number: **18-178-0318**

Shipping Method

<input checked="" type="radio"/> Fed Ex	<input type="radio"/> US Postal	<input type="radio"/> Lab	<input type="radio"/> Other :	<input type="text"/>
<input type="radio"/> UPS	<input type="radio"/> Client	<input type="radio"/> Courier	Thermometer ID:	N/A

Shipping container/cooler uncompromised? Yes No

Number of coolers received

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.

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:

Client Name/Address <i>PLC</i>	Client Project Manager/Contact <i>Katrina Riley</i>	Billing Information 100 Spring Street 820 <i>Athens GA</i>
Project Description <i>Rivers Edge ES</i>	Project/Site Location (City/State) <i>Rivers Edge ES</i>	RUSH – Additional charges apply <input type="checkbox"/> Special Detection Limit(s) <input type="checkbox"/> Date Results Needed <input type="checkbox"/>
Project Number <i>18000-18861</i>	Project Manager Phone # <i>404-373-3844</i>	Project Manager Email <i>Kriley@calrossassociates.com</i> <i>8.00.8 200.97</i>
Project Manager Phone # <i>W</i> 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) (Grab or Composite)
Date	Time	Sample Identification
<i>4/26/18 5:14</i>	<i>11/123-B</i>	<i>Dil 1/1 HNO₃</i>
<i>5:30</i>	<i>11/102-A</i>	<i>HNO₃</i>
<i>5:38</i>	<i>11/103-A</i>	
<i>5:39</i>	<i>11/104-A</i>	
<i>5:41</i>	<i>11/105-A</i>	
<i>5:42</i>	<i>11/105-A</i>	

Date	Time	Required Analysis / Preservative
<i>4/26/18 5:14</i>	<i>11/123-B</i>	<i>Dil 1/1 HNO₃</i>
<i>5:30</i>	<i>11/102-A</i>	<i>HNO₃</i>
<i>5:38</i>	<i>11/103-A</i>	
<i>5:39</i>	<i>11/104-A</i>	
<i>5:41</i>	<i>11/105-A</i>	
<i>5:42</i>	<i>11/105-A</i>	

Client Name/Address <i>PLC</i>	Client Project Manager/Contact <i>Katrina Riley</i>	Billing Information 100 Spring Street 820 <i>Athens GA</i>
Project/Site Location (City/State) <i>Rivers Edge ES</i>	RUSH – Additional charges apply <input type="checkbox"/> Special Detection Limit(s) <input type="checkbox"/> Date Results Needed <input type="checkbox"/>	Mett <input type="checkbox"/> I <input type="checkbox"/> C Other <input type="checkbox"/>
P - Product	M - Misc	
Site/Facility ID # <i>River's Edge ES</i>	Cool < 10C Na ₂ SO ₃ (Micro Only) Cool <= 6C H ₂ SO ₄ pH<2 None Required NaOH pH>10 HNO ₃ pH<2 HCl pH<2 H ₃ PO ₄ pH<2 Cool <= 6C Na ₂ SO ₃	
Comments/Notes		

APPENDIX B
Laboratory Certification



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

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

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

MAR 13 2018

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

Dear Mr. Kauffman:

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

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

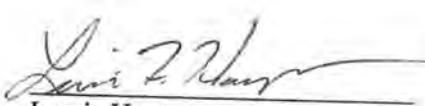
1. Copies of the most current on-site and accepted corrective actions
2. Copies of the scope of accreditation listing analytes

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

Thank you.



Sean Earley
Laboratory Certification Officer
Drinking Water Compliance Unit



Lewis Hays
Program Manager
Watershed Compliance Program

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

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



Dear Client:

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

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

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

Accreditation Number: 04015

Scope: CWA/RCRA

Effective: 07/01/2017

Expires: 06/30/2018

Certificate and scope available upon request.

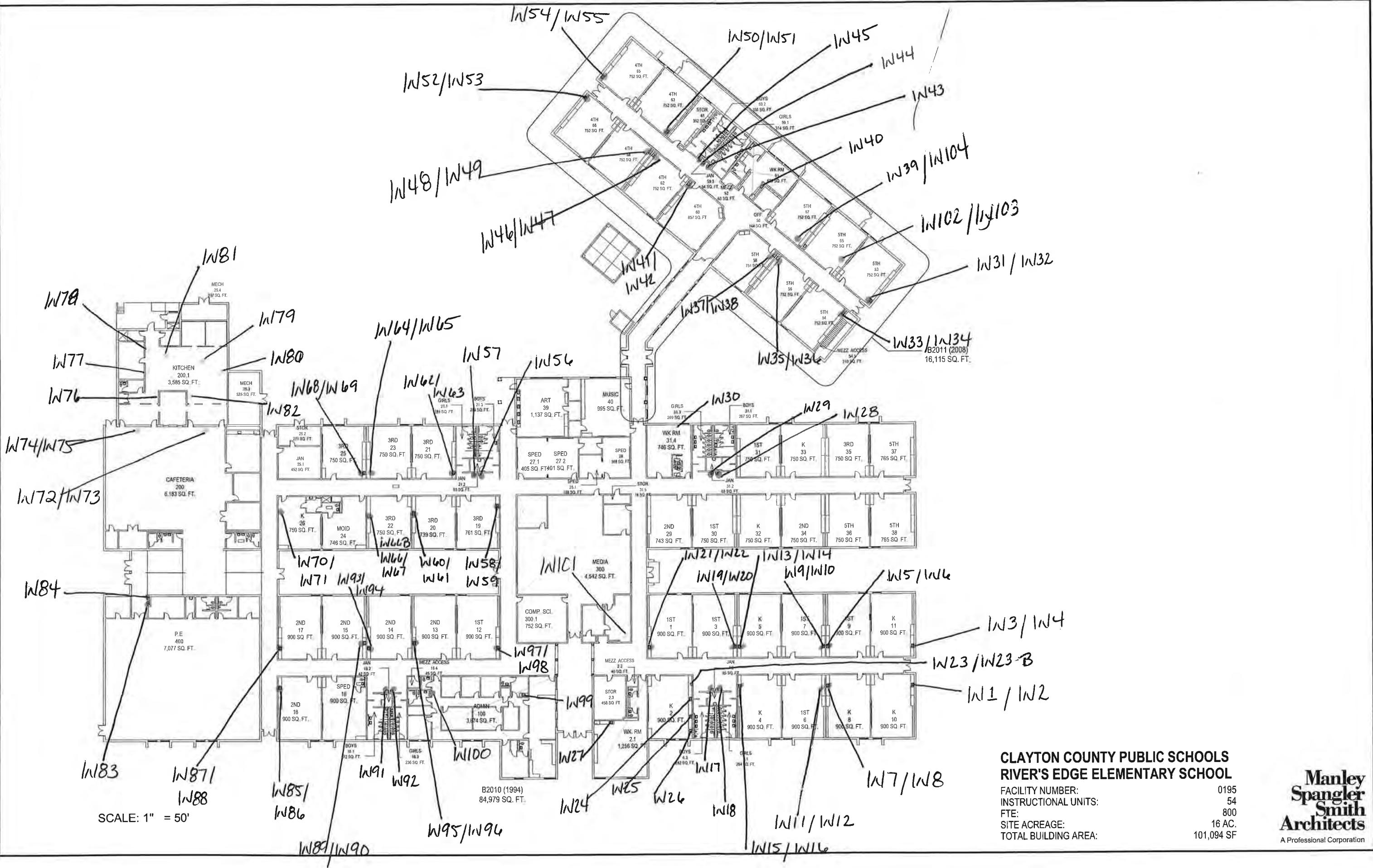
If you have any questions or comments please feel free in contacting me at
rmedina@waypointanalytical.com.

Respectfully,

Dr. Richard Medina
Chief Quality Officer

APPENDIX C

Sampling Plan



CLAYTON COUNTY PUBLIC SCHOOLS RIVER'S EDGE ELEMENTARY SCHOOL

FACILITY NUMBER: 0195
INSTRUCTIONAL UNITS: 54
FTE: 800
SITE ACREAGE: 16 AC.
TOTAL BUILDING AREA: 101,094 SF