

**Via E-Mail**

June 15, 2021

Mr. John Simmons  
Guilford County Schools  
712 N. Eugene Street  
Greensboro, NC 27401

**Re: Potable Water Sampling Letter Report (Phase 6)**  
**Guilford County Schools**  
**H&H Job No. GCS-001**

Dear John:

Hart & Hickman, PC (H&H) has prepared this letter report to document the results of potable water sampling activities conducted at 10 schools within the Guilford County School (GCS) system in North Carolina. The 10 schools discussed in this report include: Millis Road Elementary, Archer Elementary, Jesse Wharton Elementary, Brightwood Elementary, Union Hill Elementary, Guilford Elementary, McIver Education Center, Ronald E. McNair Elementary, Pruette Scale School, and Ferndale Middle School. H&H collected water samples at each of the 10 schools for analysis of lead and copper from locations designated by GCS as likely to be used for potable water (e.g., water coolers, kitchen sinks, drinking stations, ice makers). Details regarding the sampling activities and analytical results are provided in the following sections.

### **1.0 Water Sampling Protocol**

Sampling activities were conducted in general accordance with the US Environmental Protection Agency (EPA) Office of Groundwater and Drinking Water *3Ts for Reducing Lead in Drinking Water in Schools and Child Care Facilities (Revised October 2018)* document, herein referred to as the EPA 3Ts Guidance.

A GCS employee notified H&H of the last time water was used at each school on the day preceding sample collection. A stagnation period of eight (8) to eighteen (18) hours then began, during which water at the school was not permitted to be used. Following the stagnation period, H&H collected first-draw water samples directly into laboratory-supplied sample containers at each sample location. The first-draw sample is intended to be representative of water that may be consumed at the beginning of a school day or after infrequent use – in an effort to identify potential lead or copper levels in water, which may indicate a source of metals in the fixture or other component of the water delivery system.

When first-draw water sampling analysis indicated exceedances of action thresholds established by GCS for lead or copper, as discussed in Section 2.0, GCS bagged and took out of service the designated fixture so it would not be used for potable water until additional measures could be implemented. H&H then collected follow-up flush samples to help identify potential lead or copper source(s) in the interior plumbing components behind the fixture. Following a stagnation period of eight (8) to eighteen (18) hours, H&H collected follow-up flush samples by flushing water from the sample location for approximately 30-seconds and then collecting the flush sample directly into a laboratory-supplied sample container. Flush samples that did not exceed action levels were interpreted as an indication that the respective fixture was a likely source for the elevated lead or copper in the first-draw sample at that respective location.

GCS implemented mitigation measures such as fixture replacement or abandonment when first-draw water sampling analysis indicated exceedances of action thresholds established by GCS for lead or copper. Where fixtures were replaced, H&H collected subsequent first-draw water samples directly into laboratory-supplied sample containers following a stagnation period of eight (8) to eighteen (18) hours. The subsequent first-draw water samples were collected to confirm effectiveness of the mitigation measure.

During each sampling event, the water samples were collected into dedicated laboratory-supplied sample bottles, labeled with sample identification, date, and requested analysis, and placed in a

laboratory-supplied box or cooler. The collected water samples were delivered to North Carolina certified Waypoint Analytical under standard chain of custody protocols for analysis of lead and copper by EPA Method 200.8.

## **2.0 Water Sampling Results and Remediation**

Analytical results from each school were tabulated and provided to GCS on an “as-available” rolling basis throughout the project duration; and, on a similar rolling basis, GCS cut off service when results showed exceedances over action levels, and worked with H&H regarding follow-up testing and other remediation measures, as more specifically shown in the attached Appendices referenced below. H&H also provided GCS with summaries indicating detected lead and copper concentrations in relation to action thresholds, and the subsequent actions taken by GCS and H&H. Tables, figures, laboratory analytical reports, and results summaries for each of the 10 schools discussed in this report are included at Appendix A through Appendix J. A table summarizing chronological activities completed at each of the 10 schools is provided as Table 1.

The school buildings are each serviced by public water provided by the local public water system (PWS). The US EPA recommended action levels for drinking water for PWS are 15 ppb (parts per billion) for lead and 1.3 parts per million (ppm) for copper. Based on conversations with GCS, H&H conservatively used 10 ppb as the action threshold for lead and 1.3 ppm as the action threshold for copper.

At schools indicating no exceedances of the GCS-established action thresholds for lead and copper in first-draw water samples, the daily flushing protocol the school had in place was discontinued and no additional sampling was conducted. First-draw water samples collected from the following schools did not indicate exceedances of the GCS-established action thresholds for lead or copper:

- Millis Road Elementary
- Archer Elementary

- Union Hill Elementary
- McIver Education Center
- Ronald E. McNair Elementary
- Pruette Scale School

At least one sample location indicated a concentration of lead or copper that exceeded the GCS-established action thresholds during first-draw water sampling activities at Jesse Wharton Elementary, Brightwood Elementary, Guilford Elementary, and Ferndale Middle School. Specific information regarding exceedances at each of these schools is provided below.

#### Jesse Wharton Elementary

First-draw water samples were collected at Jesse Wharton Elementary on February 15, 2020; analytical results for these samples were received from the laboratory on February 24, 2020, and indicated:

- A copper concentration of 1.6 ppm was detected in the sample collected at drinking station #031 in room 607.

The drinking station was bagged and taken out of service by GCS on February 25, 2020. A follow-up flush sample was collected at the drinking station on February 29, 2020. The analytical results of the follow-up flush sample did not indicate concentrations of lead or copper that exceed the GCS-established action thresholds, which suggests that the fixture was the source of the elevated copper concentration. Per the Guilford County Health Department, drinking stations on sinks may not be replaced and, after follow-up flush sampling activities were completed, GCS permanently removed the designated drinking station in room 607 on March 11, 2020.

Brightwood Elementary

First-draw water samples were collected at Brightwood Elementary on February 15, 2020; analytical results for these samples were received from the laboratory on February 24, 2020, and indicated:

- A lead concentration of 23 ppb was detected in the sample collected at drinking station #041 in room 324.

The drinking station was bagged and taken out of service by GCS on February 25, 2020. A follow-up flush sample was collected at the drinking station on February 29, 2020. The analytical results of the follow-up flush sample did not indicate concentrations of lead or copper that exceed the GCS-established action thresholds, which suggests that the fixture was the source of the elevated lead concentration. Because the Guilford County Health Department has indicated that drinking stations on sinks may not be replaced, GCS permanently removed the designated drinking station in room 324 on March 11, 2020.

Guilford Elementary

First-draw water samples were collected at Guilford Elementary on February 29, 2020; analytical results for these samples were received from the laboratory on March 9, 2020, and indicated:

- A lead concentration of 15 ppb was detected in the sample collected at braising pan sample #002 in the kitchen.

The braising pan was bagged and taken out of service by GCS on March 10, 2020. A follow-up flush sample was collected at the braising pan on March 14, 2020. The analytical results of the follow-up flush sample did not indicate concentrations of lead or copper that exceed the GCS-established action thresholds, which suggests that the fixture was the source of the elevated lead detection. Shortly after the fixture was taken out of service and the follow-up flush sample was collected, the school was closed due to the COVID-19 pandemic. As part of re-opening the

school, the braising pan faucet was replaced on February 24, 2021. A subsequent first-draw sample was collected on April 10, 2021 and results indicated a lead concentration of 32.5 ppb. Subsequent flush sampling conducted on April 24, 2021 did not indicate concentrations of lead or copper that exceed the GCS-established action thresholds. These data suggest that the fixture or associated components remained a source of lead concentrations. On May 12, 2021, GCS replaced the braising pan shutoff valve, fittings, and supply line with lead-free and stainless steel parts. A first-draw sample collected on May 15, 2021 did not indicate concentrations of lead or copper that exceed the GCS-established action thresholds, and the fixture was placed back in services on May 24, 2021.

Note that, per recommendations in the EPA 3Ts Guidance, sequential sampling was also conducted at the braising pan (sample #002) location during the May 15, 2021 sampling event. The purpose of sequential sampling is to identify where (i.e., fixtures, interior plumbing) lead is getting into drinking water so that appropriate corrective measures can be taken. The sequential sampling was conducted by collecting a first-draw water sample, followed by several other water samples while the faucet continued to run until approximately 30 seconds had elapsed (for a total of four water samples). The samples were labeled with “SS” nomenclature and associated numbers to designate the sequence of sample collection. Because laboratory analytical results from the first-draw sample collected on May 15, 2021 did not indicate lead or copper exceedances, the subsequent samples were discarded and not analyzed by the laboratory.

#### Ferndale Middle School

First-draw water samples were collected at Ferndale Middle School on March 14, 2020; analytical results for these samples were received from the laboratory on March 24, 2020, and indicated:

- A lead concentration of 110 ppb was detected in the sample collected at water sprayer #028 in the kitchen.

The water sprayer was bagged and taken out of service by GCS on March 26, 2020. Shortly after the fixture was taken out of service, the school was closed due to the COVID-19 pandemic. As part of re-opening the school, the water sprayer, which was not frequently used in the kitchen prior to the sampling event, was permanently removed on March 24, 2021.

### **3.0 Additional Considerations**

As stated above, H&H collected water samples from locations designated by GCS as likely to be used for potable water. Any logistical deviations from the proposed sampling plan for each school, if any, are indicated on the GCS-provided sample lists in Appendix A through Appendix J. Changes to the sampling plan, if any, generally included one or more of the following: collecting samples from additional locations identified by H&H as possible potable water sources during the sampling event; changing sample IDs; or not collecting samples due to inoperable (“dead”/out-of-service) fixtures or because the observations during the sampling event indicated the designated fixture did not exist and was marked in error.

### **4.0 Conclusions**

On behalf of GCS, H&H collected water samples from 10 schools for analysis of lead and copper. Laboratory analytical results of first-draw water samples did not indicate exceedances of GCS-established action thresholds at six of the schools (Millis Road Elementary, Archer Elementary, Union Hill Elementary, McIver Education Center, Ronald E. McNair Elementary, and Pruette Scale School). Lead or copper exceedances were observed in first-draw water samples collected from Jesse Wharton Elementary, Brightwood Elementary, Guilford Elementary, and Ferndale Middle School. When first-draw water sampling indicated lead or copper exceedances, fixture replacement or abandonment was conducted. Where fixtures were replaced, subsequent sampling at the designated fixtures did not indicate additional exceedances. Once sampling and mitigation activities were complete, the daily flushing protocol each school had in place was discontinued.

Mr. John Simmons  
June 15, 2021  
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H&H appreciates the opportunity to work with you on this project. Please feel free to contact us if you have questions or need additional information.

Sincerely,

**Hart & Hickman, PC**



Christine E. Schaefer  
Senior Project Environmental Scientist



Genna Olson, PG  
Principal Geologist

Attachments

**TABLE**

**Table 1**  
**Lead and Copper Sampling Results Summary**  
**Guilford County Schools**  
**H&H Job No. GCS-001**

School	First-Draw Sample Date	First-Draw Sample Exceedances	Follow-Up Flush Sample Date	Follow-up Flush Sample Exceedances	Actions taken	Subsequent First-Draw Sample Date	Subsequent First-Draw Exceedances	Actions taken
Jesse Wharton	2/15/2020	#031 (drinking station in room 607)	2/29/2020	None	GCS indicated in 3/11/20 email that drinking station was permanently removed from service on 3/11/20	--	--	--
Brightwood	2/15/2020	#041 (drinking station in room 324)	2/29/2020	None	GCS indicated in 3/11/20 email that drinking station was permanently removed from service on 3/11/20	--	--	--
Guilford Elementary	2/29/2020	#002 (braising pan in kitchen)	3/14/2020	None	GCS indicated in 4/26/21 email that the faucet on this piece of equipment was replaced on 2/24/21.	4/10/2021	Yes	Subsequent flush sampling conducted on 4/24/21 did not indicate exceedances. GCS indicated in 5/12/21 email that a shutoff valve, fittings, and supply line were replaced with lead-free and stainless steel parts prior to subsequent first-draw sampling conducted on 5/15/21. The subsequent first-draw sampling results did not indicate lead or copper exceedances and the fixture was placed back in service on May 24, 2021.
Ferndale Middle School	3/14/2020	#028 (water sprayer in kitchen)	--	--	GCS indicated in 3/25/21 email that water sprayer was permanently removed from service on 3/24/21	--	--	--
Millis Road	2/15/2020	None	--	--	--	--	--	--
Archer	2/15/2020	None	--	--	--	--	--	--
Union Hill	2/29/2020	None	--	--	--	--	--	--
McIver Education Center	2/29/2020	None	--	--	--	--	--	--
Ronald E. McNair	2/29/2020	None	--	--	--	--	--	--
Pruette Scale School	3/14/2020	None	--	--	--	--	--	--

**APPENDIX A**  
**MILLIS ROAD ELEMENTARY RESULTS**

School Name: Millis Road Elementary	Report Date(s): 2/25/2020	
Date Test Conducted: 2/15/2020	Date Results Received: 2/24/2020	
Number of Faucets Tested: 36		
<b>Lead Results</b>	<b>Copper Results</b>	
Results 15 ppb and above: 0	Results 1.3 ppm and above: 0	
Results 10 ppb to below 15 ppb: 0	Detectable results below 1.3 ppm: 35	
Detectable results below 10 ppb: 10	Results below detection level: 1	
Results below detection level: 26		
<b>Number of Faucets Requiring Remedial Action: 0</b>		
Location of Faucet	Action Taken	Date:
Sample ID:	<input type="checkbox"/> Temporarily taken out of service: <input type="checkbox"/> Permanently taken out of service: <input type="checkbox"/> Flush tested: Flush test result: <input type="checkbox"/> Replaced: <input type="checkbox"/> Retest: Retest result: Other: _____ <input type="checkbox"/> Placed back in service on:	
Location Description:		
<b>Daily School-Wide Flushing:</b> <input type="checkbox"/> Continue with protocol <input checked="" type="checkbox"/> Discontinue flushing protocol (date): 2/25/20 <input type="checkbox"/> Other (Describe: _____)		
This is a summary report prepared by Hart & Hickman, PC (H&H). H&H suggests that the full report be referred to with regard to findings, recommendations, and technical limitations for this sampling event.		

**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Millis Road Elementary**  
**Jamestown, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
MIL-001-001-IM-P	001	2/15/2020	200.8	<2.0	<0.0020
MIL-001-002-S-P	002	2/15/2020		<2.0	0.014
MIL-001-003-KF-P	003	2/15/2020		<2.0	0.018
MIL-001-004-KF-P	004	2/15/2020		<2.0	0.028
MIL-001-005-KF-P	005	2/15/2020		<2.0	0.032
MIL-001-006-WC-P	006	2/15/2020		<2.0	0.050
MIL-001-007-WC-P	007	2/15/2020		<2.0	0.069
MIL-001-008-DS-P	008	2/15/2020		<2.0	0.079
MIL-001-009-DS-P	009	2/15/2020		<2.0	0.070
MIL-001-010-DS-P	010	2/15/2020		<2.0	0.078
MIL-001-011-DS-P	011	2/15/2020		<2.0	0.070
MIL-001-012-WC-P	012	2/15/2020		<2.0	0.083
MIL-001-013-WC-P	013	2/15/2020		<2.0	0.082
MIL-001-014-WC-P	014	2/15/2020		<2.0	0.048
MIL-001-015-DS-P	015	2/15/2020		6.6	0.042
MIL-001-016-DS-P	016	2/15/2020		4.6	0.040
MIL-001-017-DS-P	017	2/15/2020		2.8	0.041
MIL-001-018-WC-P	018	2/15/2020		<2.0	0.073
MIL-001-019-DS-P	019	2/15/2020		5.8	0.043
MIL-001-020-DS-P	020	2/15/2020		8.5	0.040
MIL-001-021-DS-P	021	2/15/2020		4.3	0.047
MIL-001-022-DS-P	022	2/15/2020		7.6	0.082
MIL-001-023-DS-P	023	2/15/2020		8.8	0.039
MIL-001-024-DS-P	024	2/15/2020		2.9	0.038
MIL-001-025-DS-P	025	2/15/2020		<2.0	0.022

**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Millis Road Elementary**  
**Jamestown, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
MIL-001-026-DS-P	026	2/15/2020	200.8	2.3	0.034
MIL-001-027-DS-P	027	2/15/2020		<2.0	0.029
MIL-001-028-DS-P	028	2/15/2020		<2.0	0.032
MIL-001-029-DS-P	029	2/15/2020		<2.0	0.037
MIL-001-030-DS-P	030	2/15/2020		<2.0	0.041
MIL-001-031-DS-P	031	2/15/2020		<2.0	0.060
MIL-001-032-DS-P	032	2/15/2020		<2.0	0.069
MIL-001-033-DS-P	033	2/15/2020		<2.0	0.061
MIL-001-034-DS-P	034	2/15/2020		<2.0	0.081
MIL-001-035-DS-P	035	2/15/2020		<2.0	0.096
MIL-001-036-DS-P	036	2/15/2020		<2.0	0.060
District Action Threshold <sup>(3)</sup>				10	1.3

**Notes**

- 1.) Lead results reported in parts per billion (ppb).
- 2.) Copper results reported in parts per million (ppm).
- 3.) Action threshold established by Guilford County Schools.

2017 Fire Exit Map  
Jamestown Elementary School  
Angela Moore

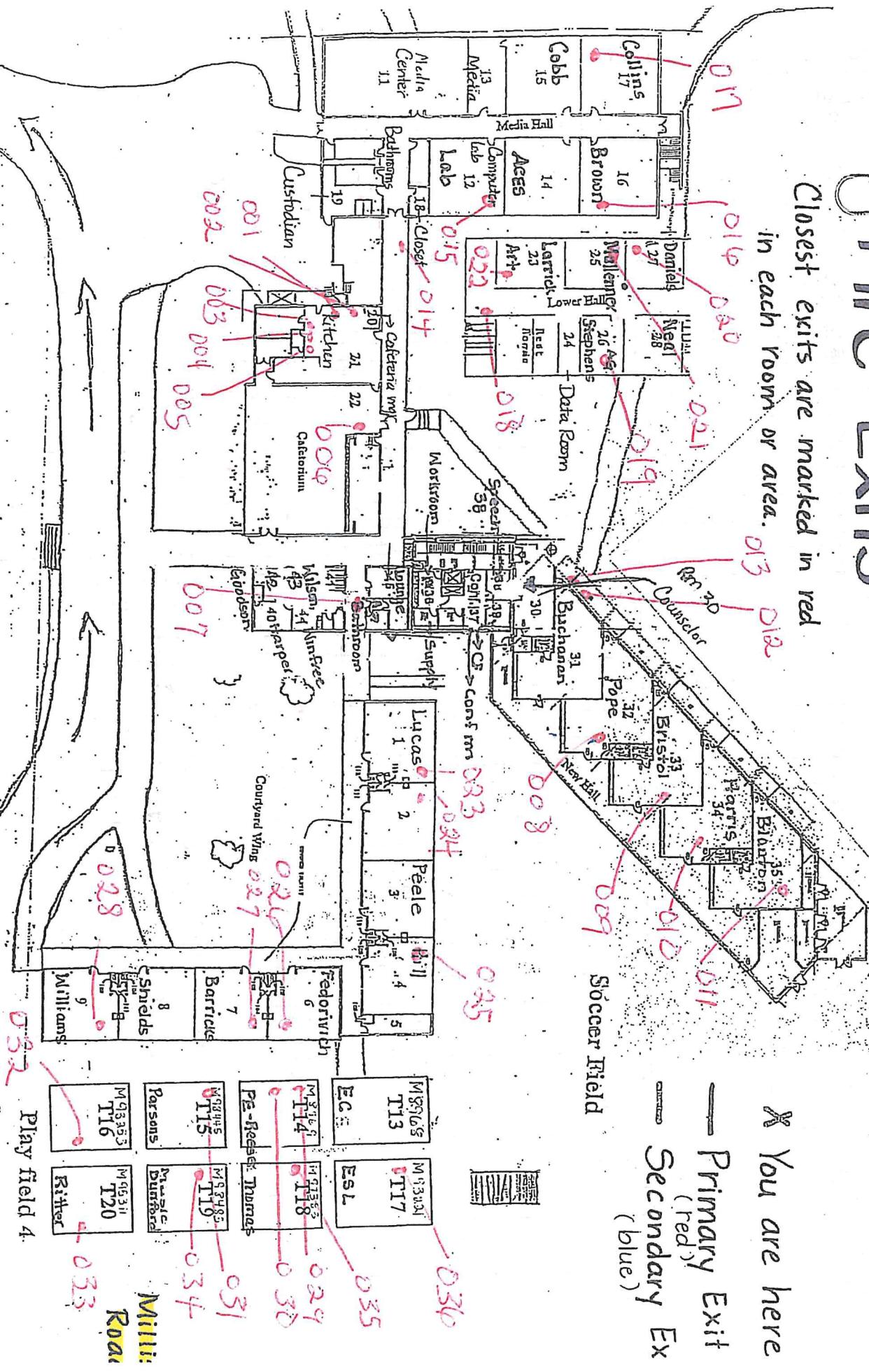
# Fire Exits

Closest exits are marked in red  
in each room or area.

013 012

You are here

— Primary Exit  
(red)  
— Secondary Ex  
(blue)



SCHOOL:

Miles Road

Angela Moore

1-22-20

DATE

<u>SAMPLE LOCATION</u>	<u>ROOM</u>	<u>LOCATION</u>	<u>Fixture Type</u>	<u>BRAND</u>	<u>AGE</u>	<u>COUNT</u>
001		Cafe	Tie Maker			
002		Cafe	Food Prep Sink			
003		Cafe	3 Dpt Sink RH			
004		Cafe	3 Dpt Sink LH			
005		Cafe	Food Slicer			
006		Cafe	Water Fountain			
007		Hall	Water Fountain			
008	Rm 32		Water Fountain	Drinking station		
009	Rm 33		Water Fountain	D.S.		
010	Rm. 34		Water Fountain	D.S.		
011	Rm 35		Water Fountain	D.S.		
012	Hall		Water Fountain			
013	Hall		Water Fountain			
014	Hall at BR's		Water Fountain			
015	Rm 12		Water Fountain	D.S.		
016	Rm 16		Water Fountain	D.S.		
017	Rm 17		Water Fountain	D.S.		
018	Hall at BR's		Water Fountain	Water Coolers		
019	Rm 26		Water Fountain			
020	Rm 27		Water Fountain	D.S.		
021	Rm 25		Water Fountain	D.S.		
022	Rm 23		Water Fountain	D.S.		
023	Rm 1		Water Fountain	D.S.		
024	Rm 2		Water Fountain	D.S.		
025	Rm 4		Water Fountain	D.S.		
026	Rm 6		Water Fountain	D.S.		
027	Rm 7		Water Fountain	D.S.		
028	Rm 9		Water Fountain	D.S.		
029	T14		Water Fountain	D.S.		
030	T14		Water Fountain	D.S.		
031	T-15		Water Fountain	D.S.		
032	T16		Water Fountain	D.S.		
033	T-20		Water Fountain	D.S.		
034	T-19		Water Fountain	D.S.		
035	T-18		Water Fountain	D.S.		
036	T-17		Water Fountain	D.S.		
037						
038						
039						
040						
041						
042						
043						
044						

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road Elementary

Lab Submittal Date: 02/18/2020  
Work Order: 0020246

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

**WAYPOINT ANALYTICAL**



Angela D. Overcash

Senior Project Manager



Reviewed By    Angela D. Overcash

Senior Project Manager

**Data Qualifiers Key Reference:**

BRL      Below Reporting Limit

MDL      Method Detection Limit

RPD      Relative Percent Difference

\*      Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.



## Sample Receipt Summary

02/24/2020

Work Order: 0020246

Client Sample ID	Lab Sample ID	Matrix	Date/Time Sampled	Date/Time Received
MIL-001-001-IM-P	0020246-01	Drinking Water	02/15/20 7:41	02/18/20 16:05
MIL-001-002-S-P	0020246-02	Drinking Water	02/15/20 7:46	02/18/20 16:05
MIL-001-003-KF-P	0020246-03	Drinking Water	02/15/20 7:48	02/18/20 16:05
MIL-001-004-KF-P	0020246-04	Drinking Water	02/15/20 7:50	02/18/20 16:05
MIL-001-005-KF-P	0020246-05	Drinking Water	02/15/20 7:52	02/18/20 16:05
MIL-001-006-WC-P	0020246-06	Drinking Water	02/15/20 7:55	02/18/20 16:05
MIL-001-007-WC-P	0020246-07	Drinking Water	02/15/20 7:59	02/18/20 16:05
MIL-001-008-DS-P	0020246-08	Drinking Water	02/15/20 9:17	02/18/20 16:05
MIL-001-009-DS-P	0020246-09	Drinking Water	02/15/20 9:15	02/18/20 16:05
MIL-001-010-DS-P	0020246-10	Drinking Water	02/15/20 9:14	02/18/20 16:05
MIL-001-011-DS-P	0020246-11	Drinking Water	02/15/20 9:12	02/18/20 16:05
MIL-001-012-WC-P	0020246-12	Drinking Water	02/15/20 9:08	02/18/20 16:05
MIL-001-013-WC-P	0020246-13	Drinking Water	02/15/20 9:09	02/18/20 16:05
MIL-001-014-WC-P	0020246-14	Drinking Water	02/15/20 8:05	02/18/20 16:05
MIL-001-015-DS-P	0020246-15	Drinking Water	02/15/20 8:08	02/18/20 16:05
MIL-001-016-DS-P	0020246-16	Drinking Water	02/15/20 8:10	02/18/20 16:05
MIL-001-017-DS-P	0020246-17	Drinking Water	02/15/20 8:12	02/18/20 16:05
MIL-001-018-WC-P	0020246-18	Drinking Water	02/15/20 8:15	02/18/20 16:05
MIL-001-019-DS-P	0020246-19	Drinking Water	02/15/20 8:20	02/18/20 16:05
MIL-001-020-DS-P	0020246-20	Drinking Water	02/15/20 8:25	02/18/20 16:05
MIL-001-021-DS-P	0020246-21	Drinking Water	02/15/20 8:23	02/18/20 16:05
MIL-001-022-DS-P	0020246-22	Drinking Water	02/15/20 8:17	02/18/20 16:05
MIL-001-023-DS-P	0020246-23	Drinking Water	02/15/20 8:30	02/18/20 16:05
MIL-001-024-DS-P	0020246-24	Drinking Water	02/15/20 8:32	02/18/20 16:05
MIL-001-025-DS-P	0020246-25	Drinking Water	02/15/20 8:34	02/18/20 16:05
MIL-001-026-DS-P	0020246-26	Drinking Water	02/15/20 8:37	02/18/20 16:05
MIL-001-027-DS-P	0020246-27	Drinking Water	02/15/20 8:40	02/18/20 16:05
MIL-001-028-DS-P	0020246-28	Drinking Water	02/15/20 8:43	02/18/20 16:05
MIL-001-029-DS-P	0020246-29	Drinking Water	02/15/20 8:50	02/18/20 16:05
MIL-001-030-DS-P	0020246-30	Drinking Water	02/15/20 8:51	02/18/20 16:05
MIL-001-031-DS-P	0020246-31	Drinking Water	02/15/20 8:56	02/18/20 16:05
MIL-001-032-DS-P	0020246-32	Drinking Water	02/15/20 9:01	02/18/20 16:05
MIL-001-033-DS-P	0020246-33	Drinking Water	02/15/20 9:02	02/18/20 16:05

This report should not be reproduced, except in its entirety, without the written consent of Waypoint Analytical.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543

Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

MIL-001-034-DS-P	0020246-34	Drinking Water	02/15/20 8:58	02/18/20 16:05
MIL-001-035-DS-P	0020246-35	Drinking Water	02/15/20 8:54	02/18/20 16:05
MIL-001-036-DS-P	0020246-36	Drinking Water	02/15/20 8:47	02/18/20 16:05

Samples were received in good condition at 2.2 degrees C unless otherwise noted.



## Summary of Detections

02/24/2020

Work Order: 0020246

Waypoint ID	Client ID	Parameter	Method	Result	Units
0020246-02	MIL-001-002-S-P	Copper	*200.8	0.014	mg/L
0020246-03	MIL-001-003-KF-P	Copper	*200.8	0.018	mg/L
0020246-04	MIL-001-004-KF-P	Copper	*200.8	0.028	mg/L
0020246-05	MIL-001-005-KF-P	Copper	*200.8	0.032	mg/L
0020246-06	MIL-001-006-WC-P	Copper	*200.8	0.050	mg/L
0020246-07	MIL-001-007-WC-P	Copper	*200.8	0.069	mg/L
0020246-08	MIL-001-008-DS-P	Copper	*200.8	0.079	mg/L
0020246-09	MIL-001-009-DS-P	Copper	*200.8	0.070	mg/L
0020246-10	MIL-001-010-DS-P	Copper	*200.8	0.078	mg/L
0020246-11	MIL-001-011-DS-P	Copper	*200.8	0.070	mg/L
0020246-12	MIL-001-012-WC-P	Copper	*200.8	0.083	mg/L
0020246-13	MIL-001-013-WC-P	Copper	*200.8	0.082	mg/L
0020246-14	MIL-001-014-WC-P	Copper	*200.8	0.048	mg/L
0020246-15	MIL-001-015-DS-P	Copper	*200.8	0.042	mg/L
0020246-15	MIL-001-015-DS-P	Lead	*200.8	0.0066	mg/L
0020246-16	MIL-001-016-DS-P	Copper	*200.8	0.040	mg/L
0020246-16	MIL-001-016-DS-P	Lead	*200.8	0.0046	mg/L
0020246-17	MIL-001-017-DS-P	Copper	*200.8	0.041	mg/L
0020246-17	MIL-001-017-DS-P	Lead	*200.8	0.0028	mg/L
0020246-18	MIL-001-018-WC-P	Copper	*200.8	0.073	mg/L
0020246-19	MIL-001-019-DS-P	Copper	*200.8	0.043	mg/L
0020246-19	MIL-001-019-DS-P	Lead	*200.8	0.0058	mg/L
0020246-20	MIL-001-020-DS-P	Copper	*200.8	0.040	mg/L
0020246-20	MIL-001-020-DS-P	Lead	*200.8	0.0085	mg/L
0020246-21	MIL-001-021-DS-P	Copper	*200.8	0.047	mg/L
0020246-21	MIL-001-021-DS-P	Lead	*200.8	0.0043	mg/L
0020246-22	MIL-001-022-DS-P	Copper	*200.8	0.082	mg/L
0020246-22	MIL-001-022-DS-P	Lead	*200.8	0.0076	mg/L
0020246-23	MIL-001-023-DS-P	Copper	*200.8	0.039	mg/L
0020246-23	MIL-001-023-DS-P	Lead	*200.8	0.0088	mg/L
0020246-24	MIL-001-024-DS-P	Copper	*200.8	0.038	mg/L
0020246-24	MIL-001-024-DS-P	Lead	*200.8	0.0029	mg/L
0020246-25	MIL-001-025-DS-P	Copper	*200.8	0.022	mg/L
0020246-26	MIL-001-026-DS-P	Copper	*200.8	0.034	mg/L
0020246-26	MIL-001-026-DS-P	Lead	*200.8	0.0023	mg/L
0020246-27	MIL-001-027-DS-P	Copper	*200.8	0.029	mg/L
0020246-28	MIL-001-028-DS-P	Copper	*200.8	0.032	mg/L
0020246-29	MIL-001-029-DS-P	Copper	*200.8	0.037	mg/L
0020246-30	MIL-001-030-DS-P	Copper	*200.8	0.041	mg/L
0020246-31	MIL-001-031-DS-P	Copper	*200.8	0.060	mg/L
0020246-32	MIL-001-032-DS-P	Copper	*200.8	0.069	mg/L
0020246-33	MIL-001-033-DS-P	Copper	*200.8	0.061	mg/L
0020246-34	MIL-001-034-DS-P	Copper	*200.8	0.081	mg/L
0020246-35	MIL-001-035-DS-P	Copper	*200.8	0.096	mg/L

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## Summary of Detections

02/24/2020

Work Order: 0020246

Waypoint ID	Client ID	Parameter	Method	Result	Units
0020246-36	MIL-001-036-DS-P	Copper	*200.8	0.060	mg/L

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-001-IM-P  
Sample ID: 0020246-01  
Work Order: 0020246  
Time Collected: 02/15/20 07:41  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	BRL	mg/L	0.0020	0.00094	1	*200.8	2/21/20 4:05	MMR	P0B0293
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 4:05	MMR	P0B0293

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-002-S-P  
Sample ID: 0020246-02  
Work Order: 0020246  
Time Collected: 02/15/20 07:46  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.014	mg/L	0.0020	0.00094	1	*200.8	2/21/20 4:11	MMR	P0B0293
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 4:11	MMR	P0B0293

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-003-KF-P  
Sample ID: 0020246-03  
Work Order: 0020246  
Time Collected: 02/15/20 07:48  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.018	mg/L	0.0020	0.00094	1	*200.8	2/21/20 4:17	MMR	P0B0293
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 4:17	MMR	P0B0293

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-004-KF-P  
Sample ID: 0020246-04  
Work Order: 0020246  
Time Collected: 02/15/20 07:50  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.028	mg/L	0.0020	0.00094	1	*200.8	2/21/20 4:24	MMR	P0B0293
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 4:24	MMR	P0B0293

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-005-KF-P  
Sample ID: 0020246-05  
Work Order: 0020246  
Time Collected: 02/15/20 07:52  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.032	mg/L	0.0020	0.00094	1	*200.8	2/21/20 4:30	MMR	P0B0293
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 4:30	MMR	P0B0293

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-006-WC-P  
Sample ID: 0020246-06  
Work Order: 0020246  
Time Collected: 02/15/20 07:55  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.050	mg/L	0.0020	0.00094	1	*200.8	2/21/20 4:47	MMR	P0B0293
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 4:47	MMR	P0B0293

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-007-WC-P  
Sample ID: 0020246-07  
Work Order: 0020246  
Time Collected: 02/15/20 07:59  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.069	mg/L	0.0020	0.00094	1	*200.8	2/21/20 4:53	MMR	P0B0293
Lead		BRL	0.0020	0.00082	1	*200.8	2/21/20 4:53	MMR	P0B0293

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-008-DS-P  
Sample ID: 0020246-08  
Work Order: 0020246  
Time Collected: 02/15/20 09:17  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.079	mg/L	0.0020	0.00094	1	*200.8	2/21/20 5:00	MMR	P0B0293
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 5:00	MMR	P0B0293

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-009-DS-P  
Sample ID: 0020246-09  
Work Order: 0020246  
Time Collected: 02/15/20 09:15  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.070	mg/L	0.0020	0.00094	1	*200.8	2/21/20 5:06	MMR	P0B0293
Lead		BRL	0.0020	0.00082	1	*200.8	2/21/20 5:06	MMR	P0B0293

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-010-DS-P  
Sample ID: 0020246-10  
Work Order: 0020246  
Time Collected: 02/15/20 09:14  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.078	mg/L	0.0020	0.00094	1	*200.8	2/21/20 5:12	MMR	P0B0293
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 5:12	MMR	P0B0293

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-011-DS-P  
Sample ID: 0020246-11  
Work Order: 0020246  
Time Collected: 02/15/20 09:12  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.070	mg/L	0.0020	0.00094	1	*200.8	2/21/20 5:35	MMR	P0B0293
Lead		BRL	0.0020	0.00082	1	*200.8	2/21/20 5:35	MMR	P0B0293

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-012-WC-P  
Sample ID: 0020246-12  
Work Order: 0020246  
Time Collected: 02/15/20 09:08  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.083	mg/L	0.0020	0.00094	1	*200.8	2/21/20 5:41	MMR	P0B0293
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 5:41	MMR	P0B0293

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-013-WC-P  
Sample ID: 0020246-13  
Work Order: 0020246  
Time Collected: 02/15/20 09:09  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.082	mg/L	0.0020	0.00094	1	*200.8	2/21/20 5:47	MMR	P0B0293
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 5:47	MMR	P0B0293

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-014-WC-P  
Sample ID: 0020246-14  
Work Order: 0020246  
Time Collected: 02/15/20 08:05  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.048	mg/L	0.0020	0.00094	1	*200.8	2/21/20 5:53	MMR	P0B0293
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 5:53	MMR	P0B0293

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-015-DS-P  
Sample ID: 0020246-15  
Work Order: 0020246  
Time Collected: 02/15/20 08:08  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.042	mg/L	0.0020	0.00094	1	*200.8	2/21/20 5:59	MMR	P0B0293
Lead	0.0066	mg/L	0.0020	0.00082	1	*200.8	2/21/20 5:59	MMR	P0B0293

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-016-DS-P  
Sample ID: 0020246-16  
Work Order: 0020246  
Time Collected: 02/15/20 08:10  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.040	mg/L	0.0020	0.00094	1	*200.8	2/21/20 6:05	MMR	P0B0293
Lead	0.0046	mg/L	0.0020	0.00082	1	*200.8	2/21/20 6:05	MMR	P0B0293

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-017-DS-P  
Sample ID: 0020246-17  
Work Order: 0020246  
Time Collected: 02/15/20 08:12  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.041	mg/L	0.0020	0.00094	1	*200.8	2/21/20 6:11	MMR	P0B0293
Lead	0.0028	mg/L	0.0020	0.00082	1	*200.8	2/21/20 6:11	MMR	P0B0293

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02/24/2020

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-018-WC-P  
Sample ID: 0020246-18  
Work Order: 0020246  
Time Collected: 02/15/20 08:15  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.073	mg/L	0.0020	0.00094	1	*200.8	2/21/20 6:17	MMR	P0B0293
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 6:17	MMR	P0B0293

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-019-DS-P  
Sample ID: 0020246-19  
Work Order: 0020246  
Time Collected: 02/15/20 08:20  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.043	mg/L	0.0020	0.00094	1	*200.8	2/21/20 6:24	MMR	P0B0293
Lead	0.0058	mg/L	0.0020	0.00082	1	*200.8	2/21/20 6:24	MMR	P0B0293

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-020-DS-P  
Sample ID: 0020246-20  
Work Order: 0020246  
Time Collected: 02/15/20 08:25  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.040	mg/L	0.0020	0.00094	1	*200.8	2/21/20 3:48	MMR	P0B0293
Lead	0.0085	mg/L	0.0020	0.00082	1	*200.8	2/21/20 3:48	MMR	P0B0293

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-021-DS-P  
Sample ID: 0020246-21  
Work Order: 0020246  
Time Collected: 02/15/20 08:23  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.047	mg/L	0.0020	0.00094	1	*200.8	2/21/20 7:10	MMR	P0B0294
Lead	0.0043	mg/L	0.0020	0.00082	1	*200.8	2/21/20 7:10	MMR	P0B0294

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-022-DS-P  
Sample ID: 0020246-22  
Work Order: 0020246  
Time Collected: 02/15/20 08:17  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.082	mg/L	0.0020	0.00094	1	*200.8	2/21/20 7:16	MMR	P0B0294
Lead	0.0076	mg/L	0.0020	0.00082	1	*200.8	2/21/20 7:16	MMR	P0B0294

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-023-DS-P  
Sample ID: 0020246-23  
Work Order: 0020246  
Time Collected: 02/15/20 08:30  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.039	mg/L	0.0020	0.00094	1	*200.8	2/21/20 7:22	MMR	P0B0294
Lead	0.0088	mg/L	0.0020	0.00082	1	*200.8	2/21/20 7:22	MMR	P0B0294

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02/24/2020

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-024-DS-P  
Sample ID: 0020246-24  
Work Order: 0020246  
Time Collected: 02/15/20 08:32  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.038	mg/L	0.0020	0.00094	1	*200.8	2/21/20 7:28	MMR	P0B0294
Lead	0.0029	mg/L	0.0020	0.00082	1	*200.8	2/21/20 7:28	MMR	P0B0294

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-025-DS-P  
Sample ID: 0020246-25  
Work Order: 0020246  
Time Collected: 02/15/20 08:34  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.022	mg/L	0.0020	0.00094	1	*200.8	2/21/20 7:34	MMR	P0B0294
Lead		BRL	0.0020	0.00082	1	*200.8	2/21/20 7:34	MMR	P0B0294

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-026-DS-P  
Sample ID: 0020246-26  
Work Order: 0020246  
Time Collected: 02/15/20 08:37  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.034	mg/L	0.0020	0.00094	1	*200.8	2/21/20 7:51	MMR	P0B0294
Lead	0.0023	mg/L	0.0020	0.00082	1	*200.8	2/21/20 7:51	MMR	P0B0294

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-027-DS-P  
Sample ID: 0020246-27  
Work Order: 0020246  
Time Collected: 02/15/20 08:40  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.029	mg/L	0.0020	0.00094	1	*200.8	2/21/20 7:57	MMR	P0B0294
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 7:57	MMR	P0B0294

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-028-DS-P  
Sample ID: 0020246-28  
Work Order: 0020246  
Time Collected: 02/15/20 08:43  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.032	mg/L	0.0020	0.00094	1	*200.8	2/21/20 8:04	MMR	P0B0294
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 8:04	MMR	P0B0294

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-029-DS-P  
Sample ID: 0020246-29  
Work Order: 0020246  
Time Collected: 02/15/20 08:50  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.037	mg/L	0.0020	0.00094	1	*200.8	2/21/20 8:10	MMR	P0B0294
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 8:10	MMR	P0B0294

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-030-DS-P  
Sample ID: 0020246-30  
Work Order: 0020246  
Time Collected: 02/15/20 08:51  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.041	mg/L	0.0020	0.00094	1	*200.8	2/21/20 8:16	MMR	P0B0294
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 8:16	MMR	P0B0294

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2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-031-DS-P  
Sample ID: 0020246-31  
Work Order: 0020246  
Time Collected: 02/15/20 08:56  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.060	mg/L	0.0020	0.00094	1	*200.8	2/21/20 8:39	MMR	P0B0294
Lead		BRL	0.0020	0.00082	1	*200.8	2/21/20 8:39	MMR	P0B0294

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-032-DS-P  
Sample ID: 0020246-32  
Work Order: 0020246  
Time Collected: 02/15/20 09:01  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.069	mg/L	0.0020	0.00094	1	*200.8	2/21/20 8:45	MMR	P0B0294
Lead		BRL	0.0020	0.00082	1	*200.8	2/21/20 8:45	MMR	P0B0294

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-033-DS-P  
Sample ID: 0020246-33  
Work Order: 0020246  
Time Collected: 02/15/20 09:02  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.061	mg/L	0.0020	0.00094	1	*200.8	2/21/20 9:13	MMR	P0B0294
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 9:13	MMR	P0B0294

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02/24/2020

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-034-DS-P  
Sample ID: 0020246-34  
Work Order: 0020246  
Time Collected: 02/15/20 08:58  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.081	mg/L	0.0020	0.00094	1	*200.8	2/21/20 9:19	MMR	P0B0294
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 9:19	MMR	P0B0294

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-035-DS-P  
Sample ID: 0020246-35  
Work Order: 0020246  
Time Collected: 02/15/20 08:54  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.096	mg/L	0.0020	0.00094	1	*200.8	2/21/20 9:25	MMR	P0B0294
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 9:25	MMR	P0B0294

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02/24/2020

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: MIL-001-036-DS-P  
Sample ID: 0020246-36  
Work Order: 0020246  
Time Collected: 02/15/20 08:47  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.060	mg/L	0.0020	0.00094	1	*200.8	2/21/20 9:31	MMR	P0B0294
Lead		BRL	0.0020	0.00082	1	*200.8	2/21/20 9:31	MMR	P0B0294

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Hart & Hickman (Charlotte)  
 Attn: Christine Schaefer  
 2923 South Tryon St. Ste 100  
 Charlotte, NC 28203

Project: GCS-001 - Mills Road  
 Elementary

Work Order: 0020246  
 Time Submitted: 2/18/2020 4:05:00PM

#### Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Notes
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#### Batch P0B0293 - 200.8

<b>Blank (P0B0293-BLK1)</b>				Prepared: 02/19/20 Analyzed: 02/21/20					
Copper	BRL	0.0020	mg/L						
Lead	BRL	0.0020	mg/L						
<b>LCS (P0B0293-BS1)</b>				Prepared: 02/19/20 Analyzed: 02/21/20					
Copper	0.0970	0.0020	mg/L	0.1000	97	85-115			
Lead	0.0985	0.0020	mg/L	0.1000	98	85-115			
<b>Matrix Spike (P0B0293-MS1)</b>				<b>Source: 0020246-20</b>	Prepared: 02/19/20 Analyzed: 02/21/20				
Copper	0.133	0.0020	mg/L	0.1000	0.0405	93	70-130		
Lead	0.105	0.0020	mg/L	0.1000	0.00848	97	70-130		
<b>Matrix Spike (P0B0293-MS2)</b>				<b>Source: 0020246-10</b>	Prepared: 02/19/20 Analyzed: 02/21/20				
Copper	0.170	0.0020	mg/L	0.1000	0.0777	92	70-130		
Lead	0.0973	0.0020	mg/L	0.1000	BRL	97	70-130		
<b>Matrix Spike Dup (P0B0293-MSD1)</b>				<b>Source: 0020246-20</b>	Prepared: 02/19/20 Analyzed: 02/21/20				
Copper	0.134	0.0020	mg/L	0.1000	0.0405	93	70-130	0.3	
Lead	0.105	0.0020	mg/L	0.1000	0.00848	96	70-130	0.06	
									10

#### Batch P0B0294 - 200.8

<b>Blank (P0B0294-BLK1)</b>				Prepared: 02/19/20 Analyzed: 02/21/20				
Copper	BRL	0.0020	mg/L					
Lead	BRL	0.0020	mg/L					
<b>LCS (P0B0294-BS1)</b>				Prepared: 02/19/20 Analyzed: 02/21/20				
Copper	0.0961	0.0020	mg/L	0.1000	96	85-115		
Lead	0.0980	0.0020	mg/L	0.1000	98	85-115		



Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Mills Road  
Elementary

Work Order: 0020246  
Time Submitted: 2/18/2020 4:05:00PM

#### Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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#### Batch P0B0294 - 200.8

Matrix Spike (P0B0294-MS2)	Source: 0020246-30	Prepared: 02/19/20	Analyzed: 02/21/20
Copper	0.132	0.0020 mg/L	0.1000 0.0409 91 70-130
Lead	0.0963	0.0020 mg/L	0.1000 BRL 96 70-130

#### Sample Extraction Data

##### Prep Method: 200.8

Lab Number	Batch	Initial	Final	Date/Time
0020246-01	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-02	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-03	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-04	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-05	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-06	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-07	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-08	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-09	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-10	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-11	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-12	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-13	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-14	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-15	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-16	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-17	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-18	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-19	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-20	P0B0293	50 mL	50 mL	02/19/20 10:22
0020246-21	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-22	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-23	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-24	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-25	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-26	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-27	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-28	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-29	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-30	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-31	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-32	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-33	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-34	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-35	P0B0294	50 mL	50 mL	02/19/20 10:26
0020246-36	P0B0294	50 mL	50 mL	02/19/20 10:26

This report should not be reproduced, except in its entirety, without the written consent of Waypoint Analytical.

Client Company Name: H&H

Report To/Contact Name: Christina Schaefer

Reporting Address: 2923 S. Tryon St. #100  
Charlotte, NC 28203

Phone: 704-586-0000 Fax (Yes/)

Email () (No) Email Address [CSchaefer@h-and-h.com](mailto:CSchaefer@h-and-h.com)

EDD Type:  PDF  Excel  Other

Site Location Name: [www.spartanbeachelementary.org](http://www.spartanbeachelementary.org)

Site Location Physical Address: Spartan Beach Elementary  
1000 S. Main Street, Spartan Beach, NC 28203

Purchase Order No./Billing Reference <u>365-0001</u>	
Requested Due Date <u>1 Day</u>	
"Working Days" <u>6-9 Days</u>	
Samples received after 15:00 will be processed next business day.	
Turnaround time is based on business days, excluding weekends and holidays. (SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)	

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL  
Certification: NELAC  USACE  FL  NC   
SC  OTHER  N/A   
Water Chlorinated: YES  NO   
Sample Iced Upon Collection: YES  NO

LAB USE ONLY	
Samples INTACT upon arrival?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/>
Received ON WET ICE? Temp	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
PROPER PRESERVATIVES indicated?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Received WITHIN HOLDING TIMES?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
CUSTODY SEALS INTACT?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
VOLATILES recd w/out HEADSPACE?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
PROPER CONTAINERS used?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	PRESERVATIVES	ANALYSES REQUESTED			REMARKS	PRISM LAB ID NO.
						No.	Size	Date		
MIL-001-001-IM-P	8/15/20	741	Water	P	1	125	HNO3	✓		01
MIL-001-002-S-P		740	Water	P	1	125	HNO3	✓		02
MIL-001-003-KF-P		748	Water	P	1	125	HNO3	✓		03
MIL-001-004-KF-P		750	Water	P	1	125	HNO3	✓		04
MIL-001-005-KF-P		752	Water	P	1	125	HNO3	✓		05
MIL-001-006-WC-P		755	Water	P	1	125	HNO3	✓		06
MIL-001-007-WC-P		759	Water	P	1	125	HNO3	✓		07
MIL-001-008-DS-P		917	Water	P	1	125	HNO3	✓		08
MIL-001-009-DS-P		915	Water	P	1	125	HNO3	✓		09
MIL-001-010-DS-P		914	Water	P	1	125	HNO3	✓		10

Sampler's Signature: *Dawn Smith*

Sampled By (Print Name): *Jayna Sammerville*

Affiliation: *HHT*

Upon relinquishing this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: *(Signature)*

Received By: *(Signature)*

Date: 02-17-20

Military/Hours: 13:35

Additional Comments:

Site Arrival Time:

Date: 02-17-20

Time: 15:20

Field Tech Fee:

Date: 02-18-20

Log-in Group No.: 0020246

Mileage: *Rick S.A.*

**PRISM USE ONLY**

Site Departure Time:

Date: 02-18-20

VOA = Volatile Organics Analysis (Zero Head Space)

Original

See Reverse for Terms & Conditions

Other

Hand-delivered

Prism Field Service

Other

Fed Ex

UPS

Other

Method of Shipment:

Note: ALL SAMPLE CONTAINERS SHOULD BE TAPE SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY.

SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

Method of Shipment:

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Method of Shipment:

NOTE: ALL SAMPLE CONTAINERS SHOULD BE TAPE SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY.



Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543

Phone: 704/529-6364 • Fax: 704/525-0409

Client Company Name: H&H

Report To/Contact Name: Christina Schaefer

Reporting Address: 2923 S Tryon St. #100  
Charlotte, NC 28203

Phone: 704-529-0004 Fax (Yes) (No):

Email (Y or N) Email Address: Christina.Schaefer@h-and-h.com

EDD Type: PDF Excel Other:

Site Location Name: Mills Road Elementary

Site Location Physical Address: 1900 Mills Rd., Charlotte, NC

Purchase Order No./Billing Reference: GCS-001  
Requested Due Date: 1 Day 2 Days 3 Days 4 Days 5 Days  
"Working Days": 6-9 Days Standard 10 days  
Turnaround time is based on business days, excluding weekends and holidays.  
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

Address:  
Invoice To: [www.h-and-h.com](http://www.h-and-h.com)

## CHAIN OF CUSTODY RECORD

PAGE 3 OF 4 QUOTE # TO ENSURE PROPER BILLING:

Samples INTACT upon arrival?	YES	NO	NA
Received ON WET ICE? Temp:	✓	—	—
PROPER PRESERVATIVES indicated?	✓	—	—
Received WITHIN HOLDING TIMES?	✓	—	—
CUSTODY SEALS INTACT?	✓	—	—
VOLATILES recd w/out HEADSPACE?	✓	—	—
PROPER CONTAINERS used?	✓	—	—

SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	*TYPE SEE BELOW	SAMPLE CONTAINER	PRESERVA- TIVES	ANALYSES REQUESTED			REMARKS	PRISM LAB ID NO.
							NO.	SIZE	DATE		
MIL-001-021-DS-P	2/15/20	823	Water	P	1	125	HNO3	✓	2/15/20	✓	A1
MIL-001-022-DS-P	817	Water	P	1	125	HNO3	✓				22
MIL-001-023-DS-P	830	Water	P	1	125	HNO3	✓				23
MIL-001-024-DS-P	832	Water	P	1	125	HNO3	✓				24
MIL-001-025-DS-P	834	Water	P	1	125	HNO3	✓				25
MIL-001-026-DS-P	837	Water	P	1	125	HNO3	✓				26
MIL-001-027-DS-P	840	Water	P	1	125	HNO3	✓				27
MIL-001-028-DS-P	843	Water	P	1	125	HNO3	✓				28
MIL-001-029-DS-P	850	Water	P	1	125	HNO3	✓				29
MIL-001-030-DS-P	851	Water	P	1	125	HNO3	✓				30

Sampler's Signature: *Christina Schaefer* Sampled By (Print Name): *Christina Schaefer* Affiliation: *H&H*

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)

Received By: (Signature)

Date:

Military/Hours

Additional Comments:

### PRISM USE ONLY

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage:

Log-in Group No.:

Date:

Log-in Group No.:



**APPENDIX B**  
**ARCHER ELEMENTARY RESULTS**

School Name: Archer Elementary	Report Date(s): 2/25/2020	
Date Test Conducted: 2/15/2020	Date Results Received: 2/24/2020	
Number of Faucets Tested: 33		
<b>Lead Results</b>	<b>Copper Results</b>	
Results 15 ppb and above: 0	Results 1.3 ppm and above: 0	
Results 10 ppb to below 15 ppb: 0	Detectable results below 1.3 ppm: 32	
Detectable results below 10 ppb: 6	Results below detection level: 1	
Results below detection level: 27		
<b>Number of Faucets Requiring Remedial Action: 0</b>		
Location of Faucet	Action Taken	Date:
Sample ID:	<input type="checkbox"/> Temporarily taken out of service: <input type="checkbox"/> Permanently taken out of service: <input type="checkbox"/> Flush tested: Flush test result: <input type="checkbox"/> Replaced: <input type="checkbox"/> Retest: Retest result: Other: _____ <input type="checkbox"/> Placed back in service on:	
Location Description:		
<b>Daily School-Wide Flushing:</b>	<input type="checkbox"/> Continue with protocol <input checked="" type="checkbox"/> Discontinue flushing protocol (date): 2/25/20 <input type="checkbox"/> Other (Describe: _____)	
This is a summary report prepared by Hart & Hickman, PC (H&H). H&H suggests that the full report be referred to with regard to findings, recommendations, and technical limitations for this sampling event.		

**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Archer Elementary**  
**Greensboro, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
ARC-001-001-WC-P	001	2/15/2020	200.8	<2.0	0.083
ARC-001-002-WC-P	002	2/15/2020		<2.0	0.065
ARC-001-003-IM-P	003	2/15/2020		<2.0	<0.0020
ARC-001-004-KF-P	004	2/15/2020		<2.0	0.025
ARC-001-005-KF-P	005	2/15/2020		<2.0	0.026
ARC-001-006-BP-P	006	2/15/2020		<2.0	0.070
ARC-001-007-KF-P	007	2/15/2020		<2.0	0.024
ARC-001-008-KF-P	008	2/15/2020		<2.0	0.023
ARC-001-009-DS-P	009	2/15/2020		<2.0	0.073
ARC-001-010-DS-P	010	2/15/2020		3.2	0.069
ARC-001-011-DS-P	011	2/15/2020		<2.0	0.075
ARC-001-012-DS-P	012	2/15/2020		<2.0	0.061
ARC-001-013-DS-P	013	2/15/2020		2.1	0.072
ARC-001-014-DS-P	014	2/15/2020		2.0	0.090
ARC-001-015-DS-P	015	2/15/2020		<2.0	0.080
ARC-001-016-DS-P	016	2/15/2020		<2.0	0.078
ARC-001-017-DS-P	017	2/15/2020		<2.0	0.067
ARC-001-018-DS-P	018	2/15/2020		2.0	0.075
ARC-001-019-DS-P	019	2/15/2020		2.2	0.073
ARC-001-020-WC-P	020	2/15/2020		<2.0	0.070
ARC-001-021-WC-P	021	2/15/2020		<2.0	0.044
ARC-001-022-WC-P	022	2/15/2020		<2.0	0.063
ARC-001-023-WC-P	023	2/15/2020		<2.0	0.064
ARC-001-024-WC-P	024	2/15/2020		<2.0	0.068
ARC-001-025-WC-P	025	2/15/2020		<2.0	0.17

**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Archer Elementary**  
**Greensboro, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
ARC-001-026-DS-P	026	2/15/2020	200.8	<2.0	0.066
ARC-001-027-DS-P	027	2/15/2020		<2.0	0.12
ARC-001-028-DS-P	028	2/15/2020		<2.0	0.15
ARC-001-029-DS-P	029	2/15/2020		<2.0	0.067
ARC-001-030-WC-P	030	2/15/2020		6.4	0.83
ARC-001-031-DS-P	031	2/15/2020		<2.0	0.11
ARC-001-032-DS-P	032	2/15/2020		<2.0	0.047
ARC-001-033-DS-P	033	2/15/2020		<2.0	0.10
District Action Threshold <sup>(3)</sup>				10	1.3

**Notes**

- 1.) Lead results reported in parts per billion (ppb).
- 2.) Copper results reported in parts per million (ppm).
- 3.) Action threshold established by Guilford County Schools.

5/16/2017 8:15 AM

**ARCHER ELEMENTARY  
SCHOOL MAP 2014 - 15**

P.O. ....Principal's Office  
C.....Custodian's Storage  
B.....Bathroom

```

graph TD
    Hewitt[Hewitt (P/E)] --- GE[George/Goldberg]
    GE --- T4[T-4]
    GE --- T5[T-5]
    T5 --- T6[T-6]
    T6 --- T7[T-7 Taylor - Of...]
  
```

T-8 Smith(PK)  
T-7 Taylor-CF  
T-2- Art-Carver

Bal's Office  
ian's Storage  
om

1

SC —  
T

3

14

031

1

10

10

100

3

SCHOOL: Archer

Angela Maas

DATE 1-22-

SAMPLE LOCATION CODE	ROOM	LOCATION	Fixture Type	BRAND	AGE	COUNT
001		Cafe	Water Fountain			
002		Cafe	Water Fountain			
003		Cafe	Iro. Ma Kori			
004		Cafe	3 Dopt. Sink RH			
005		Cafe	3 Dopt. Sink LH			
006		Cafe	Braising Pan			
007		Cafe	Fond Pnch RH			
008		Cafe	Food Prep LTH			
009		201 A	Water Fountain			
010		201 B	Water Fountain			
011		202 A	Water Fountain			
012		202 B	Water Fountain			
013		203 B	Water Fountain			
014		204 A	Water Fountain			
015		204 B	Water Fountain			
016		205 A	Water Fountain			
017		205 B	Water Fountain			
018		206 A	Water Fountain			
019		206 B	Water Fountain			
020		Hall	Water Fountain			
021		Hall	Water Fountain			
022		Hall	Water Fountain			
023		Hall	Water Fountain			
024		Hall	Water Fountain			
025		Hall	Water Fountain			
026		T-1 Staircase	Water Fountain			
027		T-2	Water Fountain			
028		T-7	Water Fountain			
029		T-3	Water Fountain			
030		T-4	Water Fountain			
031		T-5	Water Fountain			
032		T-6	Water Fountain			
033		T-8	Water Fountain			
034						
035						
036						
037						
038						
039						
040						
041						
042						

Hart &amp; Hickman notes based on field conditions identified during sampling:

- Drinking station 030 in room T-4 was "out of order" but GCS staff was able to turn it on and a sample was collected on 2/15/20

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Lab Submittal Date: 02/18/2020  
Work Order: 0020247

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

**WAYPOINT ANALYTICAL**



Angela D. Overcash

Senior Project Manager



Reviewed By    Angela D. Overcash

Senior Project Manager

**Data Qualifiers Key Reference:**

BRL      Below Reporting Limit

MDL      Method Detection Limit

RPD      Relative Percent Difference

\*      Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.



## Sample Receipt Summary

02/24/2020

Work Order: 0020247

Client Sample ID	Lab Sample ID	Matrix	Date/Time Sampled	Date/Time Received
ARC-001-001-WC-P	0020247-01	Drinking Water	02/15/20 9:55	02/18/20 16:05
ARC-001-002-WC-P	0020247-02	Drinking Water	02/15/20 9:56	02/18/20 16:05
ARC-001-003-IM-P	0020247-03	Drinking Water	02/15/20 9:41	02/18/20 16:05
ARC-001-004-KF-P	0020247-04	Drinking Water	02/15/20 9:47	02/18/20 16:05
ARC-001-005-KF-P	0020247-05	Drinking Water	02/15/20 9:48	02/18/20 16:05
ARC-001-006-BP-P	0020247-06	Drinking Water	02/15/20 9:50	02/18/20 16:05
ARC-001-007-KF-P	0020247-07	Drinking Water	02/15/20 9:52	02/18/20 16:05
ARC-001-008-KF-P	0020247-08	Drinking Water	02/15/20 9:53	02/18/20 16:05
ARC-001-009-DS-P	0020247-09	Drinking Water	02/15/20 10:02	02/18/20 16:05
ARC-001-010-DS-P	0020247-10	Drinking Water	02/15/20 10:05	02/18/20 16:05
ARC-001-011-DS-P	0020247-11	Drinking Water	02/15/20 10:09	02/18/20 16:05
ARC-001-012-DS-P	0020247-12	Drinking Water	02/15/20 10:11	02/18/20 16:05
ARC-001-013-DS-P	0020247-13	Drinking Water	02/15/20 10:14	02/18/20 16:05
ARC-001-014-DS-P	0020247-14	Drinking Water	02/15/20 10:16	02/18/20 16:05
ARC-001-015-DS-P	0020247-15	Drinking Water	02/15/20 10:18	02/18/20 16:05
ARC-001-016-DS-P	0020247-16	Drinking Water	02/15/20 10:20	02/18/20 16:05
ARC-001-017-DS-P	0020247-17	Drinking Water	02/15/20 10:22	02/18/20 16:05
ARC-001-018-DS-P	0020247-18	Drinking Water	02/15/20 10:24	02/18/20 16:05
ARC-001-019-DS-P	0020247-19	Drinking Water	02/15/20 10:26	02/18/20 16:05
ARC-001-020-WC-P	0020247-20	Drinking Water	02/15/20 10:28	02/18/20 16:05
ARC-001-021-WC-P	0020247-21	Drinking Water	02/15/20 10:30	02/18/20 16:05
ARC-001-022-WC-P	0020247-22	Drinking Water	02/15/20 10:32	02/18/20 16:05
ARC-001-023-WC-P	0020247-23	Drinking Water	02/15/20 10:37	02/18/20 16:05
ARC-001-024-WC-P	0020247-24	Drinking Water	02/15/20 10:38	02/18/20 16:05
ARC-001-025-WC-P	0020247-25	Drinking Water	02/15/20 10:35	02/18/20 16:05
ARC-001-026-DS-P	0020247-26	Drinking Water	02/15/20 9:58	02/18/20 16:05
ARC-001-027-DS-P	0020247-27	Drinking Water	02/15/20 11:10	02/18/20 16:05
ARC-001-028-DS-P	0020247-28	Drinking Water	02/15/20 11:07	02/18/20 16:05
ARC-001-029-DS-P	0020247-29	Drinking Water	02/15/20 10:43	02/18/20 16:05
ARC-001-030-WC-P	0020247-30	Drinking Water	02/15/20 10:55	02/18/20 16:05
ARC-001-031-DS-P	0020247-31	Drinking Water	02/15/20 10:58	02/18/20 16:05
ARC-001-032-DS-P	0020247-32	Drinking Water	02/15/20 11:02	02/18/20 16:05
ARC-001-033-DS-P	0020247-33	Drinking Water	02/15/20 11:04	02/18/20 16:05

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Samples were received in good condition at 2.2 degrees C unless otherwise noted.



## Summary of Detections

02/24/2020

Work Order: 0020247

Waypoint ID	Client ID	Parameter	Method	Result	Units
0020247-01	ARC-001-001-WC-P	Copper	*200.8	0.083	mg/L
0020247-02	ARC-001-002-WC-P	Copper	*200.8	0.065	mg/L
0020247-04	ARC-001-004-KF-P	Copper	*200.8	0.025	mg/L
0020247-05	ARC-001-005-KF-P	Copper	*200.8	0.026	mg/L
0020247-06	ARC-001-006-BP-P	Copper	*200.8	0.070	mg/L
0020247-07	ARC-001-007-KF-P	Copper	*200.8	0.024	mg/L
0020247-08	ARC-001-008-KF-P	Copper	*200.8	0.023	mg/L
0020247-09	ARC-001-009-DS-P	Copper	*200.8	0.073	mg/L
0020247-10	ARC-001-010-DS-P	Copper	*200.8	0.069	mg/L
0020247-10	ARC-001-010-DS-P	Lead	*200.8	0.0032	mg/L
0020247-11	ARC-001-011-DS-P	Copper	*200.8	0.075	mg/L
0020247-12	ARC-001-012-DS-P	Copper	*200.8	0.061	mg/L
0020247-13	ARC-001-013-DS-P	Copper	*200.8	0.072	mg/L
0020247-13	ARC-001-013-DS-P	Lead	*200.8	0.0021	mg/L
0020247-14	ARC-001-014-DS-P	Copper	*200.8	0.090	mg/L
0020247-14	ARC-001-014-DS-P	Lead	*200.8	0.0020	mg/L
0020247-15	ARC-001-015-DS-P	Copper	*200.8	0.080	mg/L
0020247-16	ARC-001-016-DS-P	Copper	*200.8	0.078	mg/L
0020247-17	ARC-001-017-DS-P	Copper	*200.8	0.067	mg/L
0020247-18	ARC-001-018-DS-P	Copper	*200.8	0.075	mg/L
0020247-18	ARC-001-018-DS-P	Lead	*200.8	0.0020	mg/L
0020247-19	ARC-001-019-DS-P	Copper	*200.8	0.073	mg/L
0020247-19	ARC-001-019-DS-P	Lead	*200.8	0.0022	mg/L
0020247-20	ARC-001-020-WC-P	Copper	*200.8	0.070	mg/L
0020247-21	ARC-001-021-WC-P	Copper	*200.8	0.044	mg/L
0020247-22	ARC-001-022-WC-P	Copper	*200.8	0.063	mg/L
0020247-23	ARC-001-023-WC-P	Copper	*200.8	0.064	mg/L
0020247-24	ARC-001-024-WC-P	Copper	*200.8	0.068	mg/L
0020247-25	ARC-001-025-WC-P	Copper	*200.8	0.17	mg/L
0020247-26	ARC-001-026-DS-P	Copper	*200.8	0.066	mg/L
0020247-27	ARC-001-027-DS-P	Copper	*200.8	0.12	mg/L
0020247-28	ARC-001-028-DS-P	Copper	*200.8	0.15	mg/L
0020247-29	ARC-001-029-DS-P	Copper	*200.8	0.067	mg/L
0020247-30	ARC-001-030-WC-P	Copper	*200.8	0.83	mg/L
0020247-30	ARC-001-030-WC-P	Lead	*200.8	0.0064	mg/L
0020247-31	ARC-001-031-DS-P	Copper	*200.8	0.11	mg/L
0020247-32	ARC-001-032-DS-P	Copper	*200.8	0.047	mg/L
0020247-33	ARC-001-033-DS-P	Copper	*200.8	0.10	mg/L

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-001-WC-P  
Sample ID: 0020247-01  
Work Order: 0020247  
Time Collected: 02/15/20 09:55  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.083	mg/L	0.0020	0.00094	1	*200.8	2/21/20 9:38	MMR	P0B0294
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 9:38	MMR	P0B0294

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-002-WC-P  
Sample ID: 0020247-02  
Work Order: 0020247  
Time Collected: 02/15/20 09:56  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.065	mg/L	0.0020	0.00094	1	*200.8	2/21/20 9:44	MMR	P0B0294
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 9:44	MMR	P0B0294

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-003-IM-P  
Sample ID: 0020247-03  
Work Order: 0020247  
Time Collected: 02/15/20 09:41  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	BRL	mg/L	0.0020	0.00094	1	*200.8	2/21/20 6:53	MMR	P0B0294
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 6:53	MMR	P0B0294

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-004-KF-P  
Sample ID: 0020247-04  
Work Order: 0020247  
Time Collected: 02/15/20 09:47  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.025	mg/L	0.0020	0.00094	1	*200.8	2/21/20 9:50	MMR	P0B0294
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 9:50	MMR	P0B0294

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-005-KF-P  
Sample ID: 0020247-05  
Work Order: 0020247  
Time Collected: 02/15/20 09:48  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.026	mg/L	0.0020	0.00094	1	*200.8	2/21/20 10:36	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 10:36	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-006-BP-P

Sample ID: 0020247-06

Work Order: 0020247

Time Collected: 02/15/20 09:50

Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.070	mg/L	0.0020	0.00094	1	*200.8	2/21/20 10:42	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 10:42	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-007-KF-P  
Sample ID: 0020247-07  
Work Order: 0020247  
Time Collected: 02/15/20 09:52  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.024	mg/L	0.0020	0.00094	1	*200.8	2/21/20 10:48	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 10:48	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-008-KF-P  
Sample ID: 0020247-08  
Work Order: 0020247  
Time Collected: 02/15/20 09:53  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.023	mg/L	0.0020	0.00094	1	*200.8	2/21/20 11:08	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 11:08	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-009-DS-P  
Sample ID: 0020247-09  
Work Order: 0020247  
Time Collected: 02/15/20 10:02  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.073	mg/L	0.0020	0.00094	1	*200.8	2/21/20 11:14	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 11:14	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-010-DS-P  
Sample ID: 0020247-10  
Work Order: 0020247  
Time Collected: 02/15/20 10:05  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.069	mg/L	0.0020	0.00094	1	*200.8	2/21/20 11:20	MMR	P0B0295
Lead	0.0032	mg/L	0.0020	0.00082	1	*200.8	2/21/20 11:20	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-011-DS-P

Sample ID: 0020247-11

Work Order: 0020247

Time Collected: 02/15/20 10:09

Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.075	mg/L	0.0020	0.00094	1	*200.8	2/21/20 11:26	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 11:26	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-012-DS-P

Sample ID: 0020247-12

Work Order: 0020247

Time Collected: 02/15/20 10:11

Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.061	mg/L	0.0020	0.00094	1	*200.8	2/21/20 11:32	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 11:32	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-013-DS-P  
Sample ID: 0020247-13  
Work Order: 0020247  
Time Collected: 02/15/20 10:14  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.072	mg/L	0.0020	0.00094	1	*200.8	2/21/20 11:38	MMR	P0B0295
Lead	0.0021	mg/L	0.0020	0.00082	1	*200.8	2/21/20 11:38	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-014-DS-P  
Sample ID: 0020247-14  
Work Order: 0020247  
Time Collected: 02/15/20 10:16  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.090	mg/L	0.0020	0.00094	1	*200.8	2/21/20 11:44	MMR	P0B0295
Lead	0.0020	mg/L	0.0020	0.00082	1	*200.8	2/21/20 11:44	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-015-DS-P  
Sample ID: 0020247-15  
Work Order: 0020247  
Time Collected: 02/15/20 10:18  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.080	mg/L	0.0020	0.00094	1	*200.8	2/21/20 12:08	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 12:08	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-016-DS-P

Sample ID: 0020247-16

Work Order: 0020247

Time Collected: 02/15/20 10:20

Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.078	mg/L	0.0020	0.00094	1	*200.8	2/21/20 12:14	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 12:14	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-017-DS-P  
Sample ID: 0020247-17  
Work Order: 0020247  
Time Collected: 02/15/20 10:22  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.067	mg/L	0.0020	0.00094	1	*200.8	2/21/20 12:20	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 12:20	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-018-DS-P  
Sample ID: 0020247-18  
Work Order: 0020247  
Time Collected: 02/15/20 10:24  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.075	mg/L	0.0020	0.00094	1	*200.8	2/21/20 12:26	MMR	P0B0295
Lead	0.0020	mg/L	0.0020	0.00082	1	*200.8	2/21/20 12:26	MMR	P0B0295

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-019-DS-P  
Sample ID: 0020247-19  
Work Order: 0020247  
Time Collected: 02/15/20 10:26  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.073	mg/L	0.0020	0.00094	1	*200.8	2/21/20 12:32	MMR	P0B0295
Lead	0.0022	mg/L	0.0020	0.00082	1	*200.8	2/21/20 12:32	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-020-WC-P  
Sample ID: 0020247-20  
Work Order: 0020247  
Time Collected: 02/15/20 10:28  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.070	mg/L	0.0020	0.00094	1	*200.8	2/21/20 10:19	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 10:19	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-021-WC-P  
Sample ID: 0020247-21  
Work Order: 0020247  
Time Collected: 02/15/20 10:30  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.044	mg/L	0.0020	0.00094	1	*200.8	2/21/20 12:38	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 12:38	MMR	P0B0295

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-022-WC-P  
Sample ID: 0020247-22  
Work Order: 0020247  
Time Collected: 02/15/20 10:32  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.063	mg/L	0.0020	0.00094	1	*200.8	2/21/20 12:44	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 12:44	MMR	P0B0295

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-023-WC-P  
Sample ID: 0020247-23  
Work Order: 0020247  
Time Collected: 02/15/20 10:37  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.064	mg/L	0.0020	0.00094	1	*200.8	2/21/20 12:50	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 12:50	MMR	P0B0295

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-024-WC-P  
Sample ID: 0020247-24  
Work Order: 0020247  
Time Collected: 02/15/20 10:38  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.068	mg/L	0.0020	0.00094	1	*200.8	2/21/20 12:56	MMR	P0B0295
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 12:56	MMR	P0B0295

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-025-WC-P  
Sample ID: 0020247-25  
Work Order: 0020247  
Time Collected: 02/15/20 10:35  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.17	mg/L	0.0020	0.00094	1	*200.8	2/21/20 13:25	MMR	P0B0296
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 13:25	MMR	P0B0296

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-026-DS-P  
Sample ID: 0020247-26  
Work Order: 0020247  
Time Collected: 02/15/20 09:58  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.066	mg/L	0.0020	0.00094	1	*200.8	2/21/20 13:42	MMR	P0B0296
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 13:42	MMR	P0B0296

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-027-DS-P  
Sample ID: 0020247-27  
Work Order: 0020247  
Time Collected: 02/15/20 11:10  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/21/20 13:48	MMR	P0B0296
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 13:48	MMR	P0B0296

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-028-DS-P  
Sample ID: 0020247-28  
Work Order: 0020247  
Time Collected: 02/15/20 11:07  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	2/21/20 13:54	MMR	P0B0296
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 13:54	MMR	P0B0296

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-029-DS-P  
Sample ID: 0020247-29  
Work Order: 0020247  
Time Collected: 02/15/20 10:43  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.067	mg/L	0.0020	0.00094	1	*200.8	2/21/20 14:12	MMR	P0B0296
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 14:12	MMR	P0B0296

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-030-WC-P  
Sample ID: 0020247-30  
Work Order: 0020247  
Time Collected: 02/15/20 10:55  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.83	mg/L	0.0020	0.00094	1	*200.8	2/21/20 14:18	MMR	P0B0296
Lead	0.0064	mg/L	0.0020	0.00082	1	*200.8	2/21/20 14:18	MMR	P0B0296

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-031-DS-P  
Sample ID: 0020247-31  
Work Order: 0020247  
Time Collected: 02/15/20 10:58  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	2/21/20 14:24	MMR	P0B0296
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 14:24	MMR	P0B0296

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Client Sample ID: ARC-001-032-DS-P  
Sample ID: 0020247-32  
Work Order: 0020247  
Time Collected: 02/15/20 11:02  
Time Submitted: 02/18/20 16:05

Sample Matrix: Drinking Water

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.047	mg/L	0.0020	0.00094	1	*200.8	2/21/20 14:30	MMR	P0B0296
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 14:30	MMR	P0B0296

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Sample Matrix: Drinking Water

Client Sample ID: ARC-001-033-DS-P  
Sample ID: 0020247-33  
Work Order: 0020247  
Time Collected: 02/15/20 11:04  
Time Submitted: 02/18/20 16:05

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.10	mg/L	0.0020	0.00094	1	*200.8	2/21/20 14:36	MMR	P0B0296
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 14:36	MMR	P0B0296

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Hart & Hickman (Charlotte)  
 Attn: Christine Schaefer  
 2923 South Tryon St. Ste 100  
 Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Work Order: 0020247

Time Submitted: 2/18/2020 4:05:00PM

**Total Metals - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Notes
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**Batch P0B0294 - 200.8**

<b>Blank (P0B0294-BLK1)</b>				Prepared: 02/19/20 Analyzed: 02/21/20					
Copper	BRL	0.0020	mg/L						
Lead	BRL	0.0020	mg/L						
<b>LCS (P0B0294-BS1)</b>				Prepared: 02/19/20 Analyzed: 02/21/20					
Copper	0.0961	0.0020	mg/L	0.1000	96	85-115			
Lead	0.0980	0.0020	mg/L	0.1000	98	85-115			
<b>Matrix Spike (P0B0294-MS1)</b>				<b>Source: 0020247-03</b>	Prepared: 02/19/20 Analyzed: 02/21/20				
Copper	0.0970	0.0020	mg/L	0.1000	BRL	97	70-130		
Lead	0.0971	0.0020	mg/L	0.1000	BRL	97	70-130		
<b>Matrix Spike Dup (P0B0294-MSD1)</b>				<b>Source: 0020247-03</b>	Prepared: 02/19/20 Analyzed: 02/21/20				
Copper	0.0968	0.0020	mg/L	0.1000	BRL	97	70-130	0.2	10
Lead	0.0977	0.0020	mg/L	0.1000	BRL	98	70-130	0.6	10

**Batch P0B0295 - 200.8**

<b>Blank (P0B0295-BLK1)</b>				Prepared: 02/19/20 Analyzed: 02/21/20					
Copper	BRL	0.0020	mg/L						
Lead	BRL	0.0020	mg/L						
<b>LCS (P0B0295-BS1)</b>				Prepared: 02/19/20 Analyzed: 02/21/20					
Copper	0.0954	0.0020	mg/L	0.1000	95	85-115			
Lead	0.0974	0.0020	mg/L	0.1000	97	85-115			
<b>Matrix Spike (P0B0295-MS1)</b>				<b>Source: 0020247-20</b>	Prepared: 02/19/20 Analyzed: 02/21/20				
Copper	0.160	0.0020	mg/L	0.1000	0.0700	90	70-130		
Lead	0.0959	0.0020	mg/L	0.1000	BRL	96	70-130		



Hart & Hickman (Charlotte)  
 Attn: Christine Schaefer  
 2923 South Tryon St. Ste 100  
 Charlotte, NC 28203

Project: GCS-001 - Archer Elementary

Work Order: 0020247

Time Submitted: 2/18/2020 4:05:00PM

**Total Metals - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
<b>Batch P0B0295 - 200.8</b>										
<b>Matrix Spike (P0B0295-MS2)</b> <b>Source: 0020247-14</b> Prepared: 02/19/20 Analyzed: 02/21/20										
Copper      0.180      0.0020      mg/L      0.1000      0.0899      91      70-130										
Lead      0.0984      0.0020      mg/L      0.1000      0.00204      96      70-130										
<b>Matrix Spike Dup (P0B0295-MSD1)</b> <b>Source: 0020247-20</b> Prepared: 02/19/20 Analyzed: 02/21/20										
Copper      0.160      0.0020      mg/L      0.1000      0.0700      90      70-130      0.2      10										
Lead      0.0951      0.0020      mg/L      0.1000      BRL      95      70-130      0.8      10										
<b>Batch P0B0296 - 200.8</b>										
<b>Blank (P0B0296-BLK1)</b> Prepared: 02/19/20 Analyzed: 02/21/20										
Copper      BRL      0.0020      mg/L										
Lead      BRL      0.0020      mg/L										
<b>LCS (P0B0296-BS1)</b> Prepared: 02/19/20 Analyzed: 02/21/20										
Copper      0.0950      0.0020      mg/L      0.1000      95      85-115										
Lead      0.0975      0.0020      mg/L      0.1000      98      85-115										
<b>Matrix Spike (P0B0296-MS1)</b> <b>Source: 0020247-25</b> Prepared: 02/19/20 Analyzed: 02/21/20										
Copper      0.253      0.0020      mg/L      0.1000      0.166      88      70-130										
Lead      0.0969      0.0020      mg/L      0.1000      BRL      97      70-130										
<b>Matrix Spike Dup (P0B0296-MSD1)</b> <b>Source: 0020247-25</b> Prepared: 02/19/20 Analyzed: 02/21/20										
Copper      0.253      0.0020      mg/L      0.1000      0.166      88      70-130      0.1      10										
Lead      0.0969      0.0020      mg/L      0.1000      BRL      97      70-130      0.001      10										

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543

Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

### Sample Extraction Data

Prep Method: 200.8

Lab Number	Batch	Initial	Final	Date/Time
0020247-01	P0B0294	50 mL	50 mL	02/19/20 10:26
0020247-02	P0B0294	50 mL	50 mL	02/19/20 10:26
0020247-03	P0B0294	50 mL	50 mL	02/19/20 10:26
0020247-04	P0B0294	50 mL	50 mL	02/19/20 10:26
0020247-05	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-06	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-07	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-08	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-09	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-10	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-11	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-12	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-13	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-14	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-15	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-16	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-17	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-18	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-19	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-20	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-21	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-22	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-23	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-24	P0B0295	50 mL	50 mL	02/19/20 10:31
0020247-25	P0B0296	50 mL	50 mL	02/19/20 10:35
0020247-26	P0B0296	50 mL	50 mL	02/19/20 10:35
0020247-27	P0B0296	50 mL	50 mL	02/19/20 10:35
0020247-28	P0B0296	50 mL	50 mL	02/19/20 10:35
0020247-29	P0B0296	50 mL	50 mL	02/19/20 10:35
0020247-30	P0B0296	50 mL	50 mL	02/19/20 10:35
0020247-31	P0B0296	50 mL	50 mL	02/19/20 10:35
0020247-32	P0B0296	50 mL	50 mL	02/19/20 10:35
0020247-33	P0B0296	50 mL	50 mL	02/19/20 10:35

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543

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# PRISM

LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543  
Phone: 704/529-6364 • Fax: 704/525-0409

Client Company Name: H&H

Report To/Contact Name: Christina Schaefer

Reporting Address: 2923 S. Tryon St. #100

Ch�teau Inc 2803

Phone: 704/580-0007 Fax (Yes)  (No)

Email (s) (No) Email Address CSchaefer@archerelmentary.com

EDD Type:  PDF  Excel  Other

Site Location Name: Archer Elementary

Site Location Physical Address: 6000 W. Blvd., NC

Address:

PAGE <u>1</u> OF <u>1</u>		QUOTE # TO ENSURE PROPER BILLING: <u>GCS-001</u>
Purchase Order No./Billing Reference <u>GCS-001</u>		Short Hold Analysis: <input checked="" type="checkbox"/> (Yes) <input type="checkbox"/> (No)
Requested Due Date 1 Day		UST Project: <input checked="" type="checkbox"/> (Yes) <input type="checkbox"/> (No)
"Working Days" 6-9 Days		provisions and/or QC Requirements
Samples received after 15:00 will be processed next business day.		Turnaround time is based on business days, excluding weekends and holidays. (SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)
		Water Chlorinated: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
		Sample Iced Upon Collection: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL	
Certification: NELAC <input type="checkbox"/> USACE <input type="checkbox"/> FL <input type="checkbox"/> NC <input checked="" type="checkbox"/>	
SC <input type="checkbox"/> OTHER <input type="checkbox"/> N/A <input type="checkbox"/>	
PROPER CONTAINERS used? <input checked="" type="checkbox"/>	
VOLATILES recd w/out HEADSPACE? <input checked="" type="checkbox"/>	
PROPER CONTAINERS used? <input checked="" type="checkbox"/>	

YES <input type="checkbox"/>	NO <input type="checkbox"/>	N/A <input type="checkbox"/>
Samples INTACT upon arrival? <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Received ON WET ICE? Temp <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PROPER PRESERVATIVES indicated? <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Received WITHIN HOLDING TIMES? <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CUSTODY SEALS INTACT? <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	*TYPE SEE BELOW	SAMPLE CONTAINER NO.	PRESERVA- TIVES Pb & 200 ppm	ANALYSES REQUESTED		REMARKS	PRISM LAB ID NO.
							NO.	SIZE		
ARC-001-001-WC-P	10/10/20	0955	Water	P	1	125	HNO3	✓		01
ARC-001-002-WC-P	10/10/20	0956	Water	P	1	125	HNO3	✓		02
ARC-001-003-IM-P	10/10/20	0941	Water	P	1	125	HNO3	✓		03
ARC-001-004-KF-P	10/10/20	0947	Water	P	1	125	HNO3	✓		04
ARC-001-005-KF-P	10/10/20	0948	Water	P	1	125	HNO3	✓		05
ARC-001-006-BF-P	10/10/20	0950	Water	P	1	125	HNO3	✓		06
ARC-001-007-KF-P	10/10/20	0952	Water	P	1	125	HNO3	✓		07
ARC-001-008-KF-P	10/10/20	0953	Water	P	1	125	HNO3	✓		08
ARC-001-009-DS-P	10/10/20	1002	Water	P	1	125	HNO3	✓		09
ARC-001-010-DS-P	10/10/20	1005	Water	P	1	125	HNO3	✓		10

Sampler's Signature: Jayna Savanik

Sampled By (Print Name): Jayna Savanik

Affiliation: HHS

Upon relinquishing this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Reinquished By: Jayna Savanik

Received By: Randy Jackson

Date: 02-17-20

Military/Hours: 13:35

Additional Comments: Randy Jackson

Site Arrival Time: 15:20

Site Departure Time: 16:05

Field Tech Fee: 2-18-20

Mileage: 0.0

Log-in Group No.: 0020247

Red: Randy Jackson

Blue: Jayna Savanik

Green: Prism Field Service

Other: None

Hand-delivered: None

FedEx: None

UPS: None

Priority Mail: None

Groundwater: None

Drinking Water: None

Solid Waste: None

RCRA: None

CERCLA: None

Landfill: None

Other: None

NC - SC: None

SC - NC: None

NC - SC: None

# CHAIN OF CUSTODY RECORD

PAGE 2 OF 1 QUOTE # TO ENSURE PROPER BILLING:

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543

Phone: 704/529-6364 • Fax: 704/525-0409

Client Company Name: H&H

Report To/Contact Name: Christina Schaefer

Reporting Address: 2973 S Tryon St. #100

City: Charlotte, NC Zip: 28203

Phone: 704/529-5061 Fax (Yes)  No:

Email  (No) Email Address: [CSchaefer@markindustries.com](mailto:CSchaefer@markindustries.com)

EDD Type:  PDF  Excel  Other

Site Location Name: H&H ELEMENTARY

Site Location Physical Address: Charlotte, NC

Phone: 704-529-6364 Fax (Yes)  No:

Email  (No) Email Address: [CSchaefer@markindustries.com](mailto:CSchaefer@markindustries.com)

EDD Type:  PDF  Excel  Other

Site Location Name: H&H ELEMENTARY

Site Location Physical Address: Charlotte, NC

Purchase Order No./Billing Reference: GCS001  
 Requested Due Date: 1 Day    2 Days    3 Days    4 Days    5 Days  
 "Working Days" 6-9 Days Standard 10 days  
 Samples received after 15:00 will be processed next business day.  
 Turnaround time is based on business days, excluding weekends and holidays.  
 (SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL  
 Certification: NELAC  USACE  FL  NC   
 SC  OTHER  N/A  
 Water Chlorinated: YES  NO   
 Sample Iced Upon Collection: YES  NO

LAB USE ONLY  
 YES  NO  N/A  
 Samples INTACT upon arrival?   
 Received ON WET ICE? Temp   
 PROPER PRESERVATIVES indicated?   
 Received WITHIN HOLDING TIMES?   
 CUSTODY SEALS INTACT?   
 VOLATILES recd w/out HEADSPACE?   
 PROPER CONTAINERS used?

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER	PRESERVA-TIVES	ANALYSES REQUESTED	REMARKS		PRISM LAB ID NO.
							*TYPE SEE BELOW	NO.	
ARC-001-011-DS-F	10/09/10	10:09	Water	P	1	125	HNO3	✓	11
ARC-001-012-DS-F		10/11	Water	P	1	125	HNO3	✓	12
ARC-001-013-DS-F		10/14	Water	P	1	125	HNO3	✓	13
ARC-001-014-DS-F		10/16	Water	P	1	125	HNO3	✓	14
ARC-001-015-DS-F		10/18	Water	P	1	125	HNO3	✓	15
ARC-001-016-DS-F		10/20	Water	P	1	125	HNO3	✓	16
ARC-001-017-DS-F		10/22	Water	P	1	125	HNO3	✓	17
ARC-001-018-DS-F		10/24	Water	P	1	125	HNO3	✓	18
ARC-001-019-DS-F		10/26	Water	P	1	125	HNO3	✓	19
ARC-001-020-DS-F		10/28	Water	P	1	250	HNO3	✓	

Sampler's Signature: Christina Schaefer Sampled By (Print Name): Christina Schaefer Affiliation: H&H

Upon relinquishing this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: Christina Schaefer Received By: John R. Schaefer

Date: 12-17-10 Time: 13:35

Date: 02-17-10 Time: 15:20

Date: 2-18-10 Time: 16:05

Date: 2-18-10 Time: 12:56

Date: 02-20-10 Time: 14:47

# PRISM

LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543  
Phone: 704/529-6364 • Fax: 704/525-0409

Client Company Name: H&H

Report To/Contact Name: Christina Schaefer

Reporting Address: 29135 Tryon St. #100  
Charlotte, NC 28203

Phone: 704-529-6007 Fax (Yes) (No):  
Email (Yes) (No) Email Address: CSchaefer@h-and-h.com

EDD Type: PDF Excel Other

Site Location Name: Anchor Elementary

Site Location Physical Address: Greensboro, NC

## CHAIN OF CUSTODY RECORD

PAGE 3 OF 4 QUOTE # TO ENSURE PROPER BILLING:

Samples INTACT upon arrival?  
Received ON WET ICE? Temp \_\_\_\_\_

PROPER PRESERVATIVES indicated?

Received WITHIN HOLDING TIMES?

CUSTODY SEALS INTACT?

VOLATILES rec'd w/out HEADSPACE?

PROPER CONTAINERS used?

### TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC USACE FL NC ✓  
SC OTHER N/A

Water Chlorinated: YES NO  
Sample Iced Upon Collection: YES ✓ NO

Purchase Order No./Billing Reference: GCS-001  
Requested Due Date: 1 Day 2 Days 3 Days 4 Days 5 Days  
"Working Days": 6-9 Days Standard 10 days  
Turnaround time is based on business days, excluding weekends and holidays.  
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER	PRESERVA-TIVES	C & 200:8	ANALYSES REQUESTED		REMARKS	PRISM LAB ID NO.
							*TYPE SEE BELOW	NO.	SIZE	
ARC-001-021-WC-P	2/15/10	1030	Water	P	1	125	HNO3	✓		21
ARC-001-022-WC-P	1031	Water	P	1	125	HNO3	✓			22
ARC-001-023-WC-P	1037	Water	P	1	125	HNO3	✓			23
ARC-001-024-WC-P	1038	Water	P	1	125	HNO3	✓			24
ARC-001-025-WC-P	1035	Water	P	1	125	HNO3	✓			25
ARC-001-026-D	958	Water	P	1	125	HNO3	✓			26
ARC-001-027-D	110	Water	P	1	125	HNO3	✓			27
ARC-001-028-D	1107	Water	P	1	125	HNO3	✓			28
ARC-001-029-D	1043	Water	P	1	125	HNO3	✓			29
ARC-001-030-WL-P	1055	Water	P	1	125	HNO3	✓			30

Sampler's Signature: *John Green* Sampled By (Print Name): *Travis Sammerville* Affiliation: *HHT*

Upon relinquishing this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Reinstituted By: (Signature)

Received By: (Signature)

Recovered For Prism Laboratories By:

Date: 02-17-20 Military/Hours: 13:35 Additional Comments: *R.L.C.S.A.*

Date: 02-17-20 Military/Hours: 15:24

Date: 02-18-20 Military/Hours: 16:05

Date: 02-18-20 Military/Hours: 15:45

Log-in Group No.: 0020247

### PRESS DOWN FIRMLY - 3 COPIES

#### PRISM USE ONLY

Site Arrival Time:  
Site Departure Time:  
Field Tech Fee:  
Mileage:

TERMS & CONDITIONS

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY.  
SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

SEE REVERSE FOR

ORIGINAL

NPDES: NC	UST: NC	GROUNDWATER: DRINKING WATER: SOLID WASTE: RCRA: CERCLA LANDFILL OTHER: ✓	✓	10-20-12-15
- NC - SC	- NC - SC	- NC - SC	- NC - SC	- NC - SC

\*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

FedEx UPS Hand-delivered Prism Field Service Other

Client Company Name: H&H  
Report To/Contact Name: Christina Schaefer  
Reporting Address: 423 S Tryon St #100  
Charlotte, NC 28203

Phone: 704-529-5364 Fax (Yes) No

Email (S) (No) Email Address Christina.Schaefer@H&HEnvironmental.com

EDD Type: PDF Excel Other

Site Location Name: Archer Elementary

Site Location Physical Address: 501 S Swan Ave, NC

Phone: 704-529-5364 Fax (Yes) No

Email (S) (No) Email Address Christina.Schaefer@H&HEnvironmental.com

EDD Type: PDF Excel Other

Site Location Name: Archer Elementary

Site Location Physical Address: 501 S Swan Ave, NC

## CHAIN OF CUSTODY RECORD

PAGE 4 OF 4 QUOTE # TO ENSURE PROPER BILLING:

Project Name: GCS-001 Archer Elementary

Short Hold Analysis: (Yes) (No)

UST Project: (Yes) (No)

\*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements

Invoice To: Christina.Schaefer@H&HEnvironmental.com

Address: \_\_\_\_\_

Phone: 704-529-5364 Fax (Yes) No

Email (S) (No) Email Address Christina.Schaefer@H&HEnvironmental.com

EDD Type: PDF Excel Other

Site Location Name: Archer Elementary

Site Location Physical Address: 501 S Swan Ave, NC

Phone: 704-529-5364 Fax (Yes) No

Email (S) (No) Email Address Christina.Schaefer@H&HEnvironmental.com

EDD Type: PDF Excel Other

Site Location Name: Archer Elementary

Site Location Physical Address: 501 S Swan Ave, NC

Phone: 704-529-5364 Fax (Yes) No

Email (S) (No) Email Address Christina.Schaefer@H&HEnvironmental.com

EDD Type: PDF Excel Other

Site Location Name: Archer Elementary

Site Location Physical Address: 501 S Swan Ave, NC

Phone: 704-529-5364 Fax (Yes) No

Email (S) (No) Email Address Christina.Schaefer@H&HEnvironmental.com

EDD Type: PDF Excel Other

Site Location Name: Archer Elementary

Site Location Physical Address: 501 S Swan Ave, NC

Phone: 704-529-5364 Fax (Yes) No

Email (S) (No) Email Address Christina.Schaefer@H&HEnvironmental.com

EDD Type: PDF Excel Other

Site Location Name: Archer Elementary

Site Location Physical Address: 501 S Swan Ave, NC

Phone: 704-529-5364 Fax (Yes) No

Email (S) (No) Email Address Christina.Schaefer@H&HEnvironmental.com

EDD Type: PDF Excel Other

Site Location Name: Archer Elementary

Site Location Physical Address: 501 S Swan Ave, NC

Phone: 704-529-5364 Fax (Yes) No

Email (S) (No) Email Address Christina.Schaefer@H&HEnvironmental.com

EDD Type: PDF Excel Other

Site Location Name: Archer Elementary

Site Location Physical Address: 501 S Swan Ave, NC

Phone: 704-529-5364 Fax (Yes) No

Email (S) (No) Email Address Christina.Schaefer@H&HEnvironmental.com

EDD Type: PDF Excel Other

Purchase Order No./Billing Reference <u>GCS-001</u>											
Purchase Order No./Billing Reference <u>GCS-001</u>											
Requested Due Date					1 Day	2 Days	3 Days	4 Days	✓ 5 Days		
"Working Days"					6-9 Days	Standard	10 days	Turnaround time is based on business days, excluding weekends and holidays.			
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)					(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)						
TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL											
Certification: <u>NELAC</u> <u>USACE</u> <u>FL</u> <u>NC</u> ✓					SC <u>OTHER</u> <u>N/A</u>						
Water Chlorinated: YES <u>NO</u>					Sample Iced Upon Collection: YES <u>NO</u>						
ANALYSES REQUESTED											
SAMPLE CONTAINER		PRESERVATIVES		REMARKS		PRISM LAB ID NO.		Samples INTACT upon arrival?			
TIME COLLECTED		MATRIX (SOIL, WATER OR SLUDGE)		TYPE SEE BELOW		C & Pb 200.8		Received ON WET ICE? Temp			
DATE COLLECTED		NO.		SIZE		Pb		PROPER PRESERVATIVES indicated?			
10/15/20		1054		P		✓		Received WITHIN HOLDING TIMES?			
10/2		1102		P		✓		CUSTODY SEALS INTACT?			
1104		P		1		✓		VOLATILES rec'd w/out HEADSPACE?			
Water		P		1		✓		PROPER CONTAINERS used?			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P		1		✓		_____			
Water		P									

**APPENDIX C**  
**JESSE WHARTON ELEMENTARY RESULTS**

School Name: Jesse Wharton Elementary	Report Date(s): 3/11/2020	
Date Test Conducted: 2/15/2020	Date Results Received: 2/24/2020	
Number of Faucets Tested: 43		
<b>Lead Results</b>	<b>Copper Results</b>	
Results 15 ppb and above: 0	Results 1.3 ppm and above: 1	
Results 10 ppb to below 15 ppb: 0	Detectable results below 1.3 ppm: 41	
Detectable results below 10 ppb: 0	Results below detection level: 1	
Results below detection level: 43		
<b>Number of Faucets Requiring Remedial Action: 1</b>		
Location of Faucet	Action Taken	Date:
Sample ID: JW-001-031-DS-P  Location Description: JW-001-031-DS-P: drinking station in room 607	<input checked="" type="checkbox"/> Temporarily taken out of service: <input checked="" type="checkbox"/> Permanently taken out of service: <input checked="" type="checkbox"/> Flush tested: Flush test result: no exceedances <input type="checkbox"/> Replaced: <input type="checkbox"/> Retest: Retest result: <input type="checkbox"/> Other: _____ <input type="checkbox"/> Placed back in service on:	2/25/2020 3/11/2020 2/29/2020
<b>Daily School-Wide Flushing:</b>		
<input type="checkbox"/> Continue with protocol <input checked="" type="checkbox"/> Discontinue flushing protocol (date): 3/11/20 <input type="checkbox"/> Other (Describe: )		
This is a summary report prepared by Hart & Hickman, PC (H&H). H&H suggests that the full report be referred to with regard to findings, recommendations, and technical limitations for this sampling event.		

**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Jesse Wharton Elementary**  
**Greensboro, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
JW-001-001-IM-P	001	2/15/2020	200.8	<2.0	<0.0020
JW-001-002-KF-P	002	2/15/2020		<2.0	0.076
JW-001-003-KF-P	003	2/15/2020		<2.0	0.064
JW-001-004-KF-P	004	2/15/2020		<2.0	0.054
JW-001-005-BP-P	005	2/15/2020		<2.0	0.088
JW-001-006-WC-P	006	2/15/2020		<2.0	0.12
JW-001-007-DS-P	007	2/15/2020		<2.0	0.14
JW-001-008-DS-P	008	2/15/2020		<2.0	0.14
JW-001-009-WC-P	009	2/15/2020		<2.0	0.18
JW-001-010-DS-P	010	2/15/2020		<2.0	0.13
JW-001-011-DS-P	011	2/15/2020		<2.0	0.12
JW-001-012-DS-P	012	2/15/2020		<2.0	0.12
JW-001-014-DS-P	014	2/15/2020		<2.0	0.13
JW-001-015-DS-P	015	2/15/2020		<2.0	0.13
JW-001-016-DS-P	016	2/15/2020		<2.0	0.13
JW-001-017-DS-P	017	2/15/2020		<2.0	0.11
JW-001-018-DS-P	018	2/15/2020		<2.0	0.12
JW-001-019-WC-P	019	2/15/2020		<2.0	0.11
JW-001-020-DS-P	020	2/15/2020		<2.0	0.16
JW-001-021-DS-P	021	2/15/2020		<2.0	0.12
JW-001-022-DS-P	022	2/15/2020		<2.0	0.16
JW-001-023-WC-P	023	2/15/2020		<2.0	0.14
JW-001-024-DS-P	024	2/15/2020		<2.0	0.15
JW-001-025-DS-P	025	2/15/2020		<2.0	0.14
JW-001-026-DS-P	026	2/15/2020		<2.0	0.15

**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Jesse Wharton Elementary**  
**Greensboro, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
JW-001-028-DS-P	028	2/15/2020	200.8	<2.0	0.13
JW-001-029-DS-P	029	2/15/2020		<2.0	0.17
JW-001-030-WC-P	030	2/15/2020		<2.0	0.19
JW-001-031-DS-P	031	2/15/2020		<2.0	<b>1.6</b>
JW-001-032-DS-P	032	2/15/2020		<2.0	0.16
JW-001-033-DS-P	033	2/15/2020		<2.0	0.17
JW-001-034-DS-P	034	2/15/2020		<2.0	0.12
JW-001-035-WC-P	035	2/15/2020		<2.0	0.12
JW-001-036-DS-P	036	2/15/2020		<2.0	0.16
JW-001-037-DS-P	037	2/15/2020		<2.0	0.16
JW-001-038-DS-P	038	2/15/2020		<2.0	0.16
JW-001-039-DS-P	039	2/15/2020		<2.0	0.15
JW-001-040-WC-P	040	2/15/2020		<2.0	0.13
JW-001-041-DS-P	041	2/15/2020		<2.0	0.12
JW-001-042-WC-P	042	2/15/2020		<2.0	0.12
JW-001-043-WC-P	043	2/15/2020		<2.0	0.13
JW-001-044-WC-P	044	2/15/2020		<2.0	0.13
JW-001-045-DS-P	045	2/15/2020		<2.0	0.15
District Action Threshold <sup>(3)</sup>				10	1.3

**Notes**

- 1.) Lead results reported in parts per billion (ppb).
- 2.) Copper results reported in parts per million (ppm).
- 3.) Action threshold established by Guilford County Schools.  
Concentrations in bold exceed the action threshold established by Guilford County Schools.

**Table 2**  
**Summary of Flush Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Jesse Wharton Elementary**  
**Greensboro, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
JW-001-031A-DS-F	031	2/29/2020	200.8	<2.0	0.14
District Action Threshold <sup>(3)</sup>				10	1.3

**Notes**

- 1.) Lead results reported in parts per billion (ppb).
- 2.) Copper results reported in parts per million (ppm).
- 3.) Action threshold established by Guilford County Schools.

2019-20

Jesse Wharton Elementary School

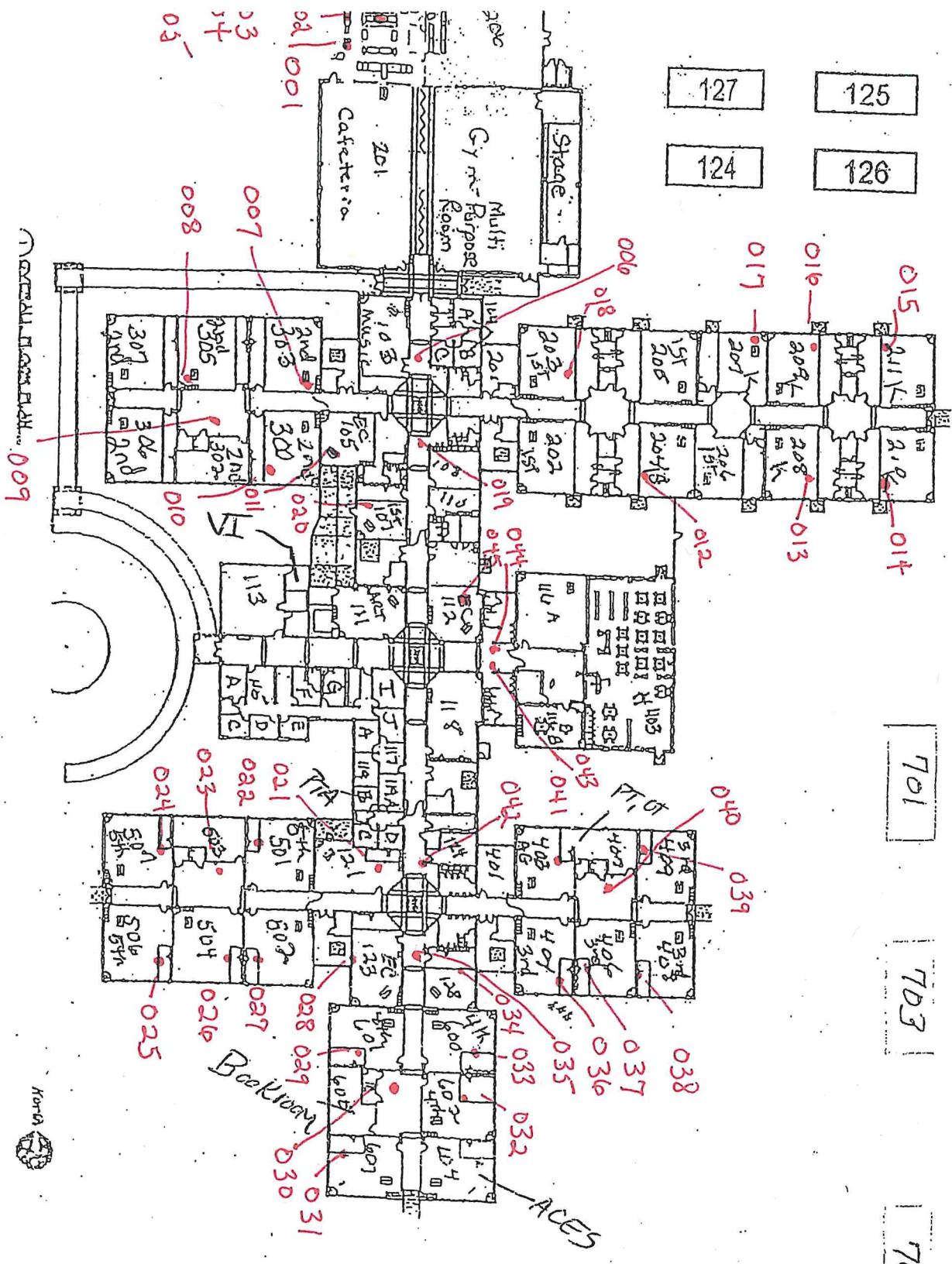
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Hengela Noone 01-12



SCHOOL: Jesse Wharton Elementary

DATE 01-13-11

<u>SAMPLE LOCATION</u>	<u>ROOM</u>	<u>LOCATION</u>	<u>Fixture Type</u>	<u>Brand</u>	<u>Age</u>	<u>Count</u>
001		Cafe	Ice Maker			
002		Cafe	Food Prep & Dept			
003		Cafe	3 Dept. Sink L H			
004		Cafe	3 Dept. Sink R H			
005		Cafe	Brasing Pan			
006		Hall near 106A Boys	Drinking Fountain			
007		3D3	Drinking Fountain			
008		305	Drinking Fountain			
009		Hall	Drinking Fountain			
010		300	Drinking Fountain			
011		105	Drinking Fountain			
012		204	Drinking Fountain			
013		208	Drinking Fountain			
014		210	Drinking Fountain			
015		211	Drinking Fountain			
016		209	Drinking Fountain			
017		207	Drinking Fountain			
018		203	Drinking Fountain			
019		Hall near 106B	Drinking Fountain			
020		107	Drinking Fountain			
021		121	Drinking Fountain			
022		501	Drinking Fountain			
023		Hall near 503	Water Fountain			
024		507	Drinking Fountain			
025		506	Drinking Fountain			
026		504	Drinking Fountain			
027		502	Drinking Fountain			
028		123	Drinking Fountain			
029		1001	Drinking Fountain			
030		Hall near 605	Drinking Fountain			
031		607	Drinking Fountain			
032		602	Drinking Fountain			
033		600	Drinking Fountain			
034		128	Drinking Fountain			
035		Hall near 128	Drinking Fountain			
036		404	Drinking Fountain			
037		406	Drinking Fountain			
038		408	Drinking Fountain			
039		409	Drinking Fountain			
040		Hall near 407	Drinking Fountain			
041		403	Drinking Fountain			
042		Hall near 126A	Drinking Fountain			
043		Hall 114B	Drinking Fountain			
044		Hall 114A	Drinking Fountain			

8

SCHOOL: Jesse Wharton Elementary

DATE 01-13-12

<u>SAMPLE LOCATION</u>	<u>ROOM</u>	<u>LOCATION</u>	<u>Fixture Type</u>	<u>Brand</u>	<u>Age</u>	<u>Count</u>
<u>CODE</u>						
045	112	112	Drinking Fountain			
046						
047						
048						
049						
050						
051						
052						
053						
054						
055						
056						
057						
058						

TOTAL NUMBER OF FIXTURES

Hart & Hickman notes based on field conditions identified during sampling:

- Sample 013 was not collected. The drinking fountain was shut/plugged off.
- Sample 027 was not collected. A drinking fountain was not identified in room 502.

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton Elementary  
Lab Submittal Date: 02/17/2020  
Work Order: 0020233

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

**WAYPOINT ANALYTICAL**



Angela D. Overcash  
Senior Project Manager



Reviewed By    Angela D. Overcash  
                    Senior Project Manager

**Data Qualifiers Key Reference:**

BRL      Below Reporting Limit

MDL      Method Detection Limit

RPD      Relative Percent Difference

\*      Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.



## Sample Receipt Summary

02/24/2020

Work Order: 0020233

Client Sample ID	Lab Sample ID	Matrix	Date/Time Sampled	Date/Time Received
JW-001-001-IM-P	0020233-01	Drinking Water	02/15/20 7:30	02/17/20 9:30
JW-001-002-KF-P	0020233-02	Drinking Water	02/15/20 7:31	02/17/20 9:30
JW-001-003-KF-P	0020233-03	Drinking Water	02/15/20 7:32	02/17/20 9:30
JW-001-004-KF-P	0020233-04	Drinking Water	02/15/20 7:33	02/17/20 9:30
JW-001-005-BP-P	0020233-05	Drinking Water	02/15/20 7:34	02/17/20 9:30
JW-001-006-WC-P	0020233-06	Drinking Water	02/15/20 7:43	02/17/20 9:30
JW-001-007-DS-P	0020233-07	Drinking Water	02/15/20 7:47	02/17/20 9:30
JW-001-008-DS-P	0020233-08	Drinking Water	02/15/20 7:49	02/17/20 9:30
JW-001-009-WC-P	0020233-09	Drinking Water	02/15/20 7:51	02/17/20 9:30
JW-001-010-DS-P	0020233-10	Drinking Water	02/15/20 7:53	02/17/20 9:30
JW-001-011-DS-P	0020233-11	Drinking Water	02/15/20 7:56	02/17/20 9:30
JW-001-012-DS-P	0020233-12	Drinking Water	02/15/20 7:59	02/17/20 9:30
JW-001-014-DS-P	0020233-13	Drinking Water	02/15/20 8:05	02/17/20 9:30
JW-001-015-DS-P	0020233-14	Drinking Water	02/15/20 8:07	02/17/20 9:30
JW-001-016-DS-P	0020233-15	Drinking Water	02/15/20 8:09	02/17/20 9:30
JW-001-017-DS-P	0020233-16	Drinking Water	02/15/20 8:15	02/17/20 9:30
JW-001-018-DS-P	0020233-17	Drinking Water	02/15/20 8:18	02/17/20 9:30
JW-001-019-WC-P	0020233-18	Drinking Water	02/15/20 8:21	02/17/20 9:30
JW-001-020-DS-P	0020233-19	Drinking Water	02/15/20 8:23	02/17/20 9:30
JW-001-021-DS-P	0020233-20	Drinking Water	02/15/20 8:28	02/17/20 9:30
JW-001-022-DS-P	0020233-21	Drinking Water	02/15/20 8:31	02/17/20 9:30
JW-001-023-WC-P	0020233-22	Drinking Water	02/15/20 8:33	02/17/20 9:30
JW-001-024-DS-P	0020233-23	Drinking Water	02/15/20 8:35	02/17/20 9:30
JW-001-025-DS-P	0020233-24	Drinking Water	02/15/20 8:37	02/17/20 9:30
JW-001-026-DS-P	0020233-25	Drinking Water	02/15/20 8:40	02/17/20 9:30
JW-001-028-DS-P	0020233-26	Drinking Water	02/15/20 8:45	02/17/20 9:30
JW-001-029-DS-P	0020233-27	Drinking Water	02/15/20 8:48	02/17/20 9:30
JW-001-030-WC-P	0020233-28	Drinking Water	02/15/20 8:50	02/17/20 9:30
JW-001-031-DS-P	0020233-29	Drinking Water	02/15/20 8:52	02/17/20 9:30
JW-001-032-DS-P	0020233-30	Drinking Water	02/15/20 8:55	02/17/20 9:30
JW-001-033-DS-P	0020233-31	Drinking Water	02/15/20 8:57	02/17/20 9:30
JW-001-034-DS-P	0020233-32	Drinking Water	02/15/20 9:00	02/17/20 9:30
JW-001-035-WC-P	0020233-33	Drinking Water	02/15/20 9:02	02/17/20 9:30

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JW-001-036-DS-P	0020233-34	Drinking Water	02/15/20 9:05	02/17/20 9:30
JW-001-037-DS-P	0020233-35	Drinking Water	02/15/20 9:07	02/17/20 9:30
JW-001-038-DS-P	0020233-36	Drinking Water	02/15/20 9:10	02/17/20 9:30
JW-001-039-DS-P	0020233-37	Drinking Water	02/15/20 9:12	02/17/20 9:30
JW-001-040-WC-P	0020233-38	Drinking Water	02/15/20 9:14	02/17/20 9:30
JW-001-041-DS-P	0020233-39	Drinking Water	02/15/20 9:15	02/17/20 9:30
JW-001-042-WC-P	0020233-40	Drinking Water	02/15/20 9:19	02/17/20 9:30
JW-001-043-WC-P	0020233-41	Drinking Water	02/15/20 9:21	02/17/20 9:30
JW-001-044-WC-P	0020233-42	Drinking Water	02/15/20 9:22	02/17/20 9:30
JW-001-045-DS-P	0020233-43	Drinking Water	02/15/20 9:28	02/17/20 9:30

Samples were received at 19.9 degrees C. See case narrative for further information.



## Summary of Detections

02/24/2020

Work Order: 0020233

Waypoint ID	Client ID	Parameter	Method	Result	Units
0020233-02	JW-001-002-KF-P	Copper	*200.8	0.076	mg/L
0020233-03	JW-001-003-KF-P	Copper	*200.8	0.064	mg/L
0020233-04	JW-001-004-KF-P	Copper	*200.8	0.054	mg/L
0020233-05	JW-001-005-BP-P	Copper	*200.8	0.088	mg/L
0020233-06	JW-001-006-WC-P	Copper	*200.8	0.12	mg/L
0020233-07	JW-001-007-DS-P	Copper	*200.8	0.14	mg/L
0020233-08	JW-001-008-DS-P	Copper	*200.8	0.14	mg/L
0020233-09	JW-001-009-WC-P	Copper	*200.8	0.18	mg/L
0020233-10	JW-001-010-DS-P	Copper	*200.8	0.13	mg/L
0020233-11	JW-001-011-DS-P	Copper	*200.8	0.12	mg/L
0020233-12	JW-001-012-DS-P	Copper	*200.8	0.12	mg/L
0020233-13	JW-001-014-DS-P	Copper	*200.8	0.13	mg/L
0020233-14	JW-001-015-DS-P	Copper	*200.8	0.13	mg/L
0020233-15	JW-001-016-DS-P	Copper	*200.8	0.13	mg/L
0020233-16	JW-001-017-DS-P	Copper	*200.8	0.11	mg/L
0020233-17	JW-001-018-DS-P	Copper	*200.8	0.12	mg/L
0020233-18	JW-001-019-WC-P	Copper	*200.8	0.11	mg/L
0020233-19	JW-001-020-DS-P	Copper	*200.8	0.16	mg/L
0020233-20	JW-001-021-DS-P	Copper	*200.8	0.12	mg/L
0020233-21	JW-001-022-DS-P	Copper	*200.8	0.16	mg/L
0020233-22	JW-001-023-WC-P	Copper	*200.8	0.14	mg/L
0020233-23	JW-001-024-DS-P	Copper	*200.8	0.15	mg/L
0020233-24	JW-001-025-DS-P	Copper	*200.8	0.14	mg/L
0020233-25	JW-001-026-DS-P	Copper	*200.8	0.15	mg/L
0020233-26	JW-001-028-DS-P	Copper	*200.8	0.13	mg/L
0020233-27	JW-001-029-DS-P	Copper	*200.8	0.17	mg/L
0020233-28	JW-001-030-WC-P	Copper	*200.8	0.19	mg/L
0020233-29	JW-001-031-DS-P	Copper	*200.8	1.6	mg/L
0020233-30	JW-001-032-DS-P	Copper	*200.8	0.16	mg/L
0020233-31	JW-001-033-DS-P	Copper	*200.8	0.17	mg/L
0020233-32	JW-001-034-DS-P	Copper	*200.8	0.12	mg/L
0020233-33	JW-001-035-WC-P	Copper	*200.8	0.12	mg/L
0020233-34	JW-001-036-DS-P	Copper	*200.8	0.16	mg/L
0020233-35	JW-001-037-DS-P	Copper	*200.8	0.16	mg/L
0020233-36	JW-001-038-DS-P	Copper	*200.8	0.16	mg/L
0020233-37	JW-001-039-DS-P	Copper	*200.8	0.15	mg/L
0020233-38	JW-001-040-WC-P	Copper	*200.8	0.13	mg/L
0020233-39	JW-001-041-DS-P	Copper	*200.8	0.12	mg/L
0020233-40	JW-001-042-WC-P	Copper	*200.8	0.12	mg/L
0020233-41	JW-001-043-WC-P	Copper	*200.8	0.13	mg/L
0020233-42	JW-001-044-WC-P	Copper	*200.8	0.13	mg/L
0020233-43	JW-001-045-DS-P	Copper	*200.8	0.15	mg/L

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-001-IM-P  
Sample ID: 0020233-01  
Work Order: 0020233  
Time Collected: 02/15/20 07:30  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	BRL	mg/L	0.0020	0.00094	1	*200.8	2/20/20 13:46	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 13:46	MMR	P0B0279

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-002-KF-P  
Sample ID: 0020233-02  
Work Order: 0020233  
Time Collected: 02/15/20 07:31  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.076	mg/L	0.0020	0.00094	1	*200.8	2/20/20 13:52	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 13:52	MMR	P0B0279

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-003-KF-P  
Sample ID: 0020233-03  
Work Order: 0020233  
Time Collected: 02/15/20 07:32  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.064	mg/L	0.0020	0.00094	1	*200.8	2/20/20 13:58	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 13:58	MMR	P0B0279

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409



# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-004-KF-P  
Sample ID: 0020233-04  
Work Order: 0020233  
Time Collected: 02/15/20 07:33  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.054	mg/L	0.0020	0.00094	1	*200.8	2/20/20 14:04	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 14:04	MMR	P0B0279

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-005-BP-P  
Sample ID: 0020233-05  
Work Order: 0020233  
Time Collected: 02/15/20 07:34  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.088	mg/L	0.0020	0.00094	1	*200.8	2/20/20 14:10	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 14:10	MMR	P0B0279

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-006-WC-P  
Sample ID: 0020233-06  
Work Order: 0020233  
Time Collected: 02/15/20 07:43  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/20/20 14:28	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 14:28	MMR	P0B0279

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-007-DS-P  
Sample ID: 0020233-07  
Work Order: 0020233  
Time Collected: 02/15/20 07:47  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.14	mg/L	0.0020	0.00094	1	*200.8	2/20/20 14:34	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 14:34	MMR	P0B0279

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-008-DS-P  
Sample ID: 0020233-08  
Work Order: 0020233  
Time Collected: 02/15/20 07:49  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.14	mg/L	0.0020	0.00094	1	*200.8	2/20/20 14:40	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 14:40	MMR	P0B0279

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-009-WC-P  
Sample ID: 0020233-09  
Work Order: 0020233  
Time Collected: 02/15/20 07:51  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.18	mg/L	0.0020	0.00094	1	*200.8	2/20/20 14:46	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 14:46	MMR	P0B0279

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-010-DS-P  
Sample ID: 0020233-10  
Work Order: 0020233  
Time Collected: 02/15/20 07:53  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	2/20/20 14:52	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 14:52	MMR	P0B0279

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-011-DS-P  
Sample ID: 0020233-11  
Work Order: 0020233  
Time Collected: 02/15/20 07:56  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/20/20 15:15	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 15:15	MMR	P0B0279

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-012-DS-P  
Sample ID: 0020233-12  
Work Order: 0020233  
Time Collected: 02/15/20 07:59  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/20/20 15:21	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 15:21	MMR	P0B0279

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-014-DS-P  
Sample ID: 0020233-13  
Work Order: 0020233  
Time Collected: 02/15/20 08:05  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	2/20/20 15:27	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 15:27	MMR	P0B0279

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-015-DS-P  
Sample ID: 0020233-14  
Work Order: 0020233  
Time Collected: 02/15/20 08:07  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	2/20/20 15:33	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 15:33	MMR	P0B0279

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-016-DS-P  
Sample ID: 0020233-15  
Work Order: 0020233  
Time Collected: 02/15/20 08:09  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	2/20/20 15:39	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 15:39	MMR	P0B0279

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-017-DS-P  
Sample ID: 0020233-16  
Work Order: 0020233  
Time Collected: 02/15/20 08:15  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	2/20/20 15:46	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 15:46	MMR	P0B0279

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-018-DS-P  
Sample ID: 0020233-17  
Work Order: 0020233  
Time Collected: 02/15/20 08:18  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/20/20 15:52	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 15:52	MMR	P0B0279

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-019-WC-P  
Sample ID: 0020233-18  
Work Order: 0020233  
Time Collected: 02/15/20 08:21  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	2/20/20 15:58	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 15:58	MMR	P0B0279

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-020-DS-P  
Sample ID: 0020233-19  
Work Order: 0020233  
Time Collected: 02/15/20 08:23  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.16	mg/L	0.0020	0.00094	1	*200.8	2/20/20 13:29	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 13:29	MMR	P0B0279

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-021-DS-P  
Sample ID: 0020233-20  
Work Order: 0020233  
Time Collected: 02/15/20 08:28  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/20/20 16:04	MMR	P0B0279
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 16:04	MMR	P0B0279

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-022-DS-P  
Sample ID: 0020233-21  
Work Order: 0020233  
Time Collected: 02/15/20 08:31  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.16	mg/L	0.0020	0.00094	1	*200.8	2/20/20 16:50	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 16:50	MMR	P0B0280

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-023-WC-P  
Sample ID: 0020233-22  
Work Order: 0020233  
Time Collected: 02/15/20 08:33  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.14	mg/L	0.0020	0.00094	1	*200.8	2/20/20 16:56	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 16:56	MMR	P0B0280

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-024-DS-P  
Sample ID: 0020233-23  
Work Order: 0020233  
Time Collected: 02/15/20 08:35  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	2/20/20 17:02	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 17:02	MMR	P0B0280

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-025-DS-P  
Sample ID: 0020233-24  
Work Order: 0020233  
Time Collected: 02/15/20 08:37  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.14	mg/L	0.0020	0.00094	1	*200.8	2/20/20 17:08	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 17:08	MMR	P0B0280

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-026-DS-P  
Sample ID: 0020233-25  
Work Order: 0020233  
Time Collected: 02/15/20 08:40  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	2/20/20 17:15	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 17:15	MMR	P0B0280

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-028-DS-P  
Sample ID: 0020233-26  
Work Order: 0020233  
Time Collected: 02/15/20 08:45  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	2/20/20 17:32	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 17:32	MMR	P0B0280

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-029-DS-P  
Sample ID: 0020233-27  
Work Order: 0020233  
Time Collected: 02/15/20 08:48  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.17	mg/L	0.0020	0.00094	1	*200.8	2/20/20 17:38	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 17:38	MMR	P0B0280

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-030-WC-P  
Sample ID: 0020233-28  
Work Order: 0020233  
Time Collected: 02/15/20 08:50  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.19	mg/L	0.0020	0.00094	1	*200.8	2/20/20 17:44	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 17:44	MMR	P0B0280

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-031-DS-P  
Sample ID: 0020233-29  
Work Order: 0020233  
Time Collected: 02/15/20 08:52  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	1.6	mg/L	0.0020	0.00094	1	*200.8	2/20/20 17:50	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 17:50	MMR	P0B0280

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-032-DS-P  
Sample ID: 0020233-30  
Work Order: 0020233  
Time Collected: 02/15/20 08:55  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.16	mg/L	0.0020	0.00094	1	*200.8	2/20/20 17:56	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 17:56	MMR	P0B0280

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-033-DS-P  
Sample ID: 0020233-31  
Work Order: 0020233  
Time Collected: 02/15/20 08:57  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.17	mg/L	0.0020	0.00094	1	*200.8	2/20/20 18:20	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 18:20	MMR	P0B0280

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-034-DS-P  
Sample ID: 0020233-32  
Work Order: 0020233  
Time Collected: 02/15/20 09:00  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/20/20 18:26	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 18:26	MMR	P0B0280

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-035-WC-P  
Sample ID: 0020233-33  
Work Order: 0020233  
Time Collected: 02/15/20 09:02  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/20/20 18:32	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 18:32	MMR	P0B0280

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-036-DS-P  
Sample ID: 0020233-34  
Work Order: 0020233  
Time Collected: 02/15/20 09:05  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.16	mg/L	0.0020	0.00094	1	*200.8	2/20/20 18:38	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 18:38	MMR	P0B0280

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-037-DS-P  
Sample ID: 0020233-35  
Work Order: 0020233  
Time Collected: 02/15/20 09:07  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.16	mg/L	0.0020	0.00094	1	*200.8	2/20/20 18:44	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 18:44	MMR	P0B0280

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-038-DS-P  
Sample ID: 0020233-36  
Work Order: 0020233  
Time Collected: 02/15/20 09:10  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.16	mg/L	0.0020	0.00094	1	*200.8	2/20/20 18:50	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 18:50	MMR	P0B0280

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-039-DS-P  
Sample ID: 0020233-37  
Work Order: 0020233  
Time Collected: 02/15/20 09:12  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	2/20/20 18:56	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 18:56	MMR	P0B0280

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-040-WC-P  
Sample ID: 0020233-38  
Work Order: 0020233  
Time Collected: 02/15/20 09:14  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	2/20/20 16:33	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 16:33	MMR	P0B0280

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-041-DS-P  
Sample ID: 0020233-39  
Work Order: 0020233  
Time Collected: 02/15/20 09:15  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/20/20 19:02	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 19:02	MMR	P0B0280

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-042-WC-P  
Sample ID: 0020233-40  
Work Order: 0020233  
Time Collected: 02/15/20 09:19  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/20/20 19:08	MMR	P0B0280
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 19:08	MMR	P0B0280

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-043-WC-P  
Sample ID: 0020233-41  
Work Order: 0020233  
Time Collected: 02/15/20 09:21  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	2/20/20 19:54	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 19:54	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-044-WC-P  
Sample ID: 0020233-42  
Work Order: 0020233  
Time Collected: 02/15/20 09:22  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	2/20/20 20:00	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 20:00	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-045-DS-P  
Sample ID: 0020233-43  
Work Order: 0020233  
Time Collected: 02/15/20 09:28  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	2/20/20 20:06	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 20:06	MMR	P0B0281

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Hart & Hickman (Charlotte)  
 Attn: Christine Schaefer  
 2923 South Tryon St. Ste 100  
 Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
 Elementary

Work Order: 0020233  
 Time Submitted: 2/17/2020 9:30:00AM

#### Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Notes
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#### Batch P0B0279 - 200.8

<b>Blank (P0B0279-BLK1)</b>				Prepared: 02/18/20 Analyzed: 02/20/20					
Copper	BRL	0.0020	mg/L						
Lead	BRL	0.0020	mg/L						
<b>LCS (P0B0279-BS1)</b>				Prepared: 02/18/20 Analyzed: 02/20/20					
Copper	0.0987	0.0020	mg/L	0.1000	99	85-115			
Lead	0.0983	0.0020	mg/L	0.1000	98	85-115			
<b>Matrix Spike (P0B0279-MS1)</b>				<b>Source: 0020233-19</b>	Prepared: 02/18/20 Analyzed: 02/20/20				
Copper	0.251	0.0020	mg/L	0.1000	0.161	89	70-130		
Lead	0.0974	0.0020	mg/L	0.1000	BRL	97	70-130		
<b>Matrix Spike (P0B0279-MS2)</b>				<b>Source: 0020233-10</b>	Prepared: 02/18/20 Analyzed: 02/20/20				
Copper	0.221	0.0020	mg/L	0.1000	0.129	91	70-130		
Lead	0.0967	0.0020	mg/L	0.1000	BRL	97	70-130		
<b>Matrix Spike Dup (P0B0279-MSD1)</b>				<b>Source: 0020233-19</b>	Prepared: 02/18/20 Analyzed: 02/20/20				
Copper	0.252	0.0020	mg/L	0.1000	0.161	91	70-130	0.4	10
Lead	0.0981	0.0020	mg/L	0.1000	BRL	98	70-130	0.7	10

#### Batch P0B0280 - 200.8

<b>Blank (P0B0280-BLK1)</b>				Prepared: 02/18/20 Analyzed: 02/20/20				
Copper	BRL	0.0020	mg/L					
Lead	BRL	0.0020	mg/L					
<b>LCS (P0B0280-BS1)</b>				Prepared: 02/18/20 Analyzed: 02/20/20				
Copper	0.0979	0.0020	mg/L	0.1000	98	85-115		
Lead	0.0987	0.0020	mg/L	0.1000	99	85-115		



Hart & Hickman (Charlotte)  
 Attn: Christine Schaefer  
 2923 South Tryon St. Ste 100  
 Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
 Elementary

Work Order: 0020233  
 Time Submitted: 2/17/2020 9:30:00AM

**Total Metals - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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**Batch P0B0280 - 200.8**

<b>Matrix Spike (P0B0280-MS1)</b>	<b>Source: 0020233-38</b>			Prepared: 02/18/20 Analyzed: 02/20/20						
Copper	0.218	0.0020	mg/L	0.1000	0.127	91	70-130			
Lead	0.0973	0.0020	mg/L	0.1000	BRL	97	70-130			
<b>Matrix Spike (P0B0280-MS2)</b>	<b>Source: 0020233-30</b>			Prepared: 02/18/20 Analyzed: 02/20/20						
Copper	0.247	0.0020	mg/L	0.1000	0.155	91	70-130			
Lead	0.0971	0.0020	mg/L	0.1000	BRL	97	70-130			
<b>Matrix Spike Dup (P0B0280-MSD1)</b>	<b>Source: 0020233-38</b>			Prepared: 02/18/20 Analyzed: 02/20/20						
Copper	0.221	0.0020	mg/L	0.1000	0.127	94	70-130	1	10	
Lead	0.0980	0.0020	mg/L	0.1000	BRL	98	70-130	0.7	10	

**Batch P0B0281 - 200.8**

<b>Blank (P0B0281-BLK1)</b>	Prepared: 02/18/20 Analyzed: 02/20/20					
Copper	BRL	0.0020	mg/L			
Lead	BRL	0.0020	mg/L			
<b>LCS (P0B0281-BS1)</b>	Prepared: 02/18/20 Analyzed: 02/20/20					
Copper	0.0954	0.0020	mg/L	0.1000	95	85-115
Lead	0.0971	0.0020	mg/L	0.1000	97	85-115

### Sample Extraction Data

Prep Method: 200.8

Lab Number	Batch	Initial	Final	Date/Time
0020233-01	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-02	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-03	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-04	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-05	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-06	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-07	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-08	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-09	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-10	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-11	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-12	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-13	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-14	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-15	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-16	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-17	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-18	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-19	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-20	P0B0279	50 mL	50 mL	02/18/20 13:05
0020233-21	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-22	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-23	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-24	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-25	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-26	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-27	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-28	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-29	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-30	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-31	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-32	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-33	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-34	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-35	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-36	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-37	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-38	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-39	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-40	P0B0280	50 mL	50 mL	02/18/20 13:08
0020233-41	P0B0281	50 mL	50 mL	02/18/20 13:14
0020233-42	P0B0281	50 mL	50 mL	02/18/20 13:14
0020233-43	P0B0281	50 mL	50 mL	02/18/20 13:14

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# PRISM

LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543

Phone: 704/529-6364 • Fax: 704/525-0409

Client Company Name: H&H

Report To/Contact Name: Christina Schaefer

Reporting Address: 2923 S Tryon St. #100  
Charlotte, NC 28203

Phone: 704-534-0007 Fax (Yes)  (No)

Email  (No) Email Address [cschaefer@hartwickman.com](mailto:cschaefer@hartwickman.com)

EDD Type:  PDF  Excel  Other

Site Location Name: Jesse Wharton Elementary

Site Location Physical Address: Greensboro, NC

Purchase Order No./Billing Reference GCS-CO1  
Requested Due Date 1 Day 2 Days 3 Days 4 Days 5 Days  
"Working Days" 6-9 Days Standard 10 days  
Samples received after 15:00 will be processed next business day.  
Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

## CHAIN OF CUSTODY RECORD

10/14 10:48 14:09

10/14 10:48 14:09

PAGE 1 OF 5 QUOTE # TO ENSURE PROPER BILLING:

Project Name: GCS-001 Jesse Wharton Elementary

Short Hold Analysis:  (Yes)  (No)

UST Project:  (Yes)  (No)

\*Please ATTACH any project specific reporting (QC LEVEL III)

provisions and/or QC Requirements

Invoice To: [accounts payable@hartwickman.com](mailto:accounts payable@hartwickman.com)

Address:

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL		ANALYSES REQUESTED		PRISM LAB ID NO.	
Certification: <input checked="" type="checkbox"/> NELAC	<input type="checkbox"/> USACE	<input type="checkbox"/> FL	<input type="checkbox"/> NC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> SC	<input type="checkbox"/> OTHER	<input type="checkbox"/> N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water Chlorinated: YES <input type="checkbox"/>	NO <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample Iced Upon Collection: YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	PRESERVATIVES NO. & SIZE	ANALYSES REQUESTED						REMARKS	PRISM LAB ID NO.
						Pb	Cr	As	Co	As	Cr		
JW-001-001-IM-P	2/15/20	0730	Water	P	1 125	HNO3	✓					01	
JW-001-002-KF-P		0731	Water	P	1 125	HNO3	✓					02	
JW-001-003-KF-P		0732	Water	P	1 125	HNO3	✓					03	
JW-001-004-KF-P		0733	Water	P	1 125	HNO3	✓					04	
JW-001-005-BP-P		0734	Water	P	1 125	HNO3	✓					05	
JW-001-006-WC-P		0743	Water	P	1 125	HNO3	✓					06	
JW-001-007-DS-P		0747	Water	P	1 125	HNO3	✓					07	
JW-001-008-DS-P		0749	Water	P	1 125	HNO3	✓					08	
JW-001-009-WC-P		0751	Water	P	1 125	HNO3	✓					09	
JW-001-010-DS-P		0753	Water	P	1 125	HNO3	✓					10	

Sampler's Signature: Natascha Pacifico Sampled By (Print Name) Natascha Pacifico

Affiliation: H+H

Upon relinquishing this Chain of Custody, it is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature) Natascha Pacifico Received By: (Signature) MCH Date: 2-17-20 Military/Hours: 09:00 Additional Comments:

Relinquished By: (Signature) Natascha Pacifico Received For Prism Laboratories By: (Signature) John M. Hartwick Date: 2-17-20 Log-In Group No.: 30  
Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPE SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY.  
SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

## PRESS DOWN FIRMLY - 3 COPIES

### PRISM USE ONLY

Site Arrival Time:	
Site Departure Time:	
Field Tech Fee:	
Mileage:	

NPDES:  UST:  GROUNDWATER:  DRINKING WATER:  SOLID WASTE:  RCRA:  CERCLA:  LANDFILL:  OTHER:

- NC - SC - NC - SC

\*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

Fed Ex UPS Hand-delivered Prisn Field Service Other

ORIGINAL





# PRISM

LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

419 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543  
Phone: 704/529-6364 • Fax: 704/525-0409

Client Company Name: H&H  
Report To/Contact Name: Christina Schaefer

Reporting Address: 2923 S Tryon St #100  
Charlotte, NC 28203

Phone: 704-526-0001 Fax (Yes) (No)

Email (No) Email Address: c.schaefer@hartwickman.com

EDD Type: PDF Excel Other

Site Location Name: Jesse Wharton Elementary

Site Location Physical Address: Greensboro, NC

Purchase Order No./Billing Reference GCS-001  
Requested Due Date "Working Days"  
1 Day 2 Days 3 Days 4 Days 5 Days  
Samples received after 15:00 will be processed next business day.  
Turnaround time is based on business days, excluding weekends and holidays.  
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NELAC USACE FL NC ✓

SC OTHER N/A

Water Chlorinated: YES NO ✓  
Sample Iced Upon Collection: YES NO ✓

Samples INTACT upon arrival? YES NO N/A  
Received ON WET ICE? Temp \_\_\_\_\_  
PROPER PRESERVATIVES indicated? X  
Received WITHIN HOLDING TIMES? X  
CUSTODY SEALS INTACT? X  
VOLATILES recd W/O HEADSPACE? X  
PROPER CONTAINERS used? X

# CHAIN OF CUSTODY RECORD

PAGE 4 OF 2 QUOTE # TO ENSURE PROPER BILLING:

Project Name: GCS-001 Jesse Wharton Elementary

Short Hold Analysis: (Yes) (No)  
\*Please ATTACH any project specific reporting (QC LEVEL II) Requirements

UST Project: (Yes) (No)  
provisions and/or QC Requirements

Invoice To: accounts payable@hartwickman.com  
Address:

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	*TYPE SEE BELOW	SAMPLE CONTAINER NO.	SIZE	PRESERVATIVES	ANALYSES REQUESTED	REMARKS	PRISM LAB ID NO.
JW-001-031-DS-P	2/15/2008	0852	Water	P	1	125	HNO3	✓		29
JW-001-032-DS-P		0855	Water	P	1	125	HNO3	✓		30
JW-001-033-DS-P		0857	Water	P	1	125	HNO3	✓		31
JW-001-034-DS-P		0900	Water	P	1	125	HNO3	✓		32
JW-001-035-WC-P		0902	Water	P	1	125	HNO3	✓		33
JW-001-036-DS-P		0905	Water	P	1	125	HNO3	✓		34
JW-001-037-DS-P		0907	Water	P	1	125	HNO3	✓		35
JW-001-038-DS-P		0910	Water	P	1	125	HNO3	✓		36
JW-001-039-DS-P		0912	Water	P	1	125	HNO3	✓		37
JW-001-040-WC-P		0914	Water	P	1	250	HNO3	✓		MS/MSD

Sampler's Signature Natascha Pacifico Sampled By (Print Name) Natascha Pacifico Affiliation H+H

Upon relinquishing this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature) Natascha Pacifico Received By: (Signature) D. Schaefer

Relinquished By: (Signature) J. Schaefer Received For Prism Laboratories By: (Signature) D. Schaefer

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPE SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY.  
SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

Field Ex:  UPS Hand-Delivered  Other Prism Field Service

## PRESS DOWN FIRMLY - 3 COPIES

### PRISM USE ONLY

Date 2-17-08 Military/Hours 01:40  
Additional Comments:

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage:

Log-in Group No. 01130

NPDES: UST: GROUNDWATER: SOLID WASTE: RCRA: CERCLA LANDFILL OTHER:  
- NC - SC - NC - SC

\*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR  
TERMS & CONDITIONS

ORIGINAL

# PRISM

LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543

Phone: 704/529-6364 • Fax: 704/525-0499

Client Company Name: H+H

Report To/Contact Name: Christina Schaefer

Reporting Address: 2923 S Tryon St. #100 Charlotte, NC 28203

Phone: 704-586-0001 Fax (Yes) (No)

Email(s) (No) Email Address [cschaefer@charthickman.com](mailto:cschaefer@charthickman.com)

EDD Type: PDF Excel Other

Site Location Name: Jesse Wharton Elementary

Site Location Physical Address: Greensboro, NC

Phone: 336-273-1200 Fax (Yes) (No)

Email(s) (No) Email Address [christina.schaefer@hplus-hplus.com](mailto:christina.schaefer@hplus-hplus.com)

EDD Type: PDF Excel Other

Site Location Name: Jesse Wharton Elementary

Site Location Physical Address: Greensboro, NC

Purchase Order No./Billing Reference GCS-CCL  
Requested Due Date 1 Day 2 Days 3 Days 4 Days 5 Days  
"Working Days"  
Turnaround time is based on business days, excluding weekends and holidays.  
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

Certification: NELAC USACE FL NC ✓  
SC OTHER N/A

Water Chlorinated: YES NO  
Sample Iced Upon Collection: YES NO ✓

PAGE 5 OF 5 QUOTE & TO ENSURE PROPER BILLING:

Project Name: GCS-001 Jesse Wharton Elementary

Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)

\*Please ATTACH any project specific reporting (QC LEVEL II III IV) provisions and/or QC Requirements

Invoice To: [accounts payable@charthickman.com](mailto:accounts payable@charthickman.com)

Address: \_\_\_\_\_

Samples INTACT upon arrival?

Received ON WET ICE? Temp \_\_\_\_\_

PROPER PRESERVATIVES indicated?

Received WITHIN HOLDING TIMES?

CUSTODY SEALS INTACT?

VOLATILES red W/O HEADSPACE?

PROPER CONTAINERS used?

## CHAIN OF CUSTODY RECORD

LAB USE ONLY

YES NO N/A

Date Military/Hours Additional Comments:

### PRESS DOWN FIRMLY - 3 COPIES

#### PRISM USE ONLY

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage:

NPDES:	UST:	GROUNDWATER:	DINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
- NC - SC	NC - SC	NC - NC	YNC - SC	- NC - SC	- NC - SC	- NC - SC	- NC - SC	- NC - SC

\*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPE SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

Field Tech UPS Hand-delivered Prism Field Service Other

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton Elementary  
Lab Submittal Date: 03/03/2020  
Work Order: 0030005

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

**WAYPOINT ANALYTICAL**



Angela D. Overcash

Senior Project Manager

**Data Qualifiers Key Reference:**

BRL Below Reporting Limit

MDL Method Detection Limit

RPD Relative Percent Difference

\* Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.



## Sample Receipt Summary

03/09/2020

Work Order: 0030005

Client Sample ID	Lab Sample ID	Matrix	Date/Time Sampled	Date/Time Received
JW-001-031A-DS-F	0030005-01	Drinking Water	02/29/20 9:45	03/03/20 15:40

Samples were received in good condition at 2.2 degrees C unless otherwise noted.



## Summary of Detections

03/09/2020

Work Order: 0030005

Waypoint ID	Client ID	Parameter	Method	Result	Units
0030005-01	JW-001-031A-DS-F	Copper	*200.8	0.14	mg/L

---

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: JW-001-031A-DS-F  
Sample ID: 0030005-01  
Work Order: 0030005  
Time Collected: 02/29/20 09:45  
Time Submitted: 03/03/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.14	mg/L	0.0020	0.00094	1	*200.8	3/5/20 20:41	MMR	P0C0049
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 20:41	MMR	P0C0049

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409



Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Jesse Wharton  
Elementary

Work Order: 0030005  
Time Submitted: 3/3/2020 3:40:00PM

**Total Metals - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-------

**Batch P0C0049 - 200.8**

Blank (P0C0049-BLK1)				Prepared: 03/03/20 Analyzed: 03/05/20				
Copper	BRL	0.0020	mg/L					
Lead	BRL	0.0020	mg/L					
LCS (P0C0049-BS1)					Prepared: 03/03/20 Analyzed: 03/05/20			
Copper	0.105	0.0020	mg/L	0.1000	105	85-115		
Lead	0.0977	0.0020	mg/L	0.1000	98	85-115		

**Sample Extraction Data****Prep Method: 200.8**

Lab Number	Batch	Initial	Final	Date/Time
0030005-01	P0C0049	50 mL	50 mL	03/03/20 11:25



**APPENDIX D**  
**BRIGHTWOOD ELEMENTARY RESULTS**

School Name: Brightwood Elementary	Report Date(s): 3/11/2020	
Date Test Conducted: 2/15/2020	Date Results Received: 2/24/2020	
Number of Faucets Tested: 48		
<b>Lead Results</b>	<b>Copper Results</b>	
Results 15 ppb and above: 1	Results 1.3 ppm and above: 0	
Results 10 ppb to below 15 ppb: 0	Detectable results below 1.3 ppm: 47	
Detectable results below 10 ppb: 1	Results below detection level: 1	
Results below detection level: 46		
<b>Number of Faucets Requiring Remedial Action: 1</b>		
Location of Faucet	Action Taken	Date:
Sample ID: BRW-001-041-DS-P  Location Description: BRW-001-041-DS-P: drinking station in room 324	<input checked="" type="checkbox"/> Temporarily taken out of service: <input checked="" type="checkbox"/> Permanently taken out of service: <input checked="" type="checkbox"/> Flush tested: Flush test result: no exceedances <input type="checkbox"/> Replaced: <input type="checkbox"/> Retest: Retest result: <input type="checkbox"/> Other: _____ <input type="checkbox"/> Placed back in service on:	2/25/2020 3/11/2020 2/29/2020
<b>Daily School-Wide Flushing:</b>		
<input type="checkbox"/> Continue with protocol <input checked="" type="checkbox"/> Discontinue flushing protocol (date): 3/11/20 <input type="checkbox"/> Other (Describe: )		
This is a summary report prepared by Hart & Hickman, PC (H&H). H&H suggests that the full report be referred to with regard to findings, recommendations, and technical limitations for this sampling event.		

**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Brightwood Elementary**  
**Greensboro, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
BRW-001-001-WC-P	001	2/15/2020	200.8	<2.0	0.13
BRW-001-002-WC-P	002	2/15/2020		<2.0	0.084
BRW-001-003-IM-P	003	2/15/2020		<2.0	<0.0020
BRW-001-004-KF-P	004	2/15/2020		<2.0	0.065
BRW-001-005-BP-P	005	2/15/2020		<2.0	0.085
BRW-001-006-KF-P	006	2/15/2020		<2.0	0.053
BRW-001-007-KF-P	007	2/15/2020		<2.0	0.076
BRW-001-008-WC-P	008	2/15/2020		<2.0	0.11
BRW-001-009-WC-P	009	2/15/2020		<2.0	0.13
BRW-001-010-DS-P	010	2/15/2020		<2.0	0.084
BRW-001-011-DS-P	011	2/15/2020		<2.0	0.12
BRW-001-012-DS-P	012	2/15/2020		<2.0	0.12
BRW-001-013-DS-P	013	2/15/2020		<2.0	0.12
BRW-001-014-DS-P	014	2/15/2020		<2.0	0.12
BRW-001-015-DS-P	015	2/15/2020		<2.0	0.085
BRW-001-016-DS-P	016	2/15/2020		<2.0	0.12
BRW-001-017-DS-P	017	2/15/2020		<2.0	0.10
BRW-001-018-DS-P	018	2/15/2020		<2.0	0.065
BRW-001-019-DS-P	019	2/15/2020		<2.0	0.078
BRW-001-020-DS-P	020	2/15/2020		<2.0	0.060
BRW-001-021-DS-P	021	2/15/2020		2.9	0.11
BRW-001-022-DS-P	022	2/15/2020		<2.0	0.14
BRW-001-023-DS-P	023	2/15/2020		<2.0	0.11
BRW-001-024-DS-P	024	2/15/2020		<2.0	0.15
BRW-001-025-DS-P	025	2/15/2020		<2.0	0.14

**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Brightwood Elementary**  
**Greensboro, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
BRW-001-026-DS-P	026	2/15/2020	200.8	<2.0	0.14
BRW-001-027-DS-P	027	2/15/2020		<2.0	0.15
BRW-001-028-DS-P	028	2/15/2020		<2.0	0.14
BRW-001-029-DS-P	029	2/15/2020		<2.0	0.15
BRW-001-030-DS-P	030	2/15/2020		<2.0	0.11
BRW-001-031-WC-P	031	2/15/2020		<2.0	0.085
BRW-001-032-WC-P	032	2/15/2020		<2.0	0.084
BRW-001-033-DS-P	033	2/15/2020		<2.0	0.11
BRW-001-034-WC-P	034	2/15/2020		<2.0	0.078
BRW-001-035-WC-P	035	2/15/2020		<2.0	0.058
BRW-001-036-DS-P	036	2/15/2020		<2.0	0.097
BRW-001-037-DS-P	037	2/15/2020		<2.0	0.095
BRW-001-038-DS-P	038	2/15/2020		<2.0	0.15
BRW-001-039-DS-P	039	2/15/2020		<2.0	0.095
BRW-001-041-DS-P	041	2/15/2020		<b>23</b>	0.17
BRW-001-042-DS-P	042	2/15/2020		<2.0	0.12
BRW-001-043-DS-P	043	2/15/2020		<2.0	0.13
BRW-001-044-DS-P	044	2/15/2020		<2.0	0.13
BRW-001-045-WC-P	045	2/15/2020		<2.0	0.092
BRW-001-046-WC-P	046	2/15/2020		<2.0	0.11
BRW-001-051-WC-P	051	2/15/2020		<2.0	0.082
BRW-001-052-WC-P	052	2/15/2020		<2.0	0.090
BRW-001-059-WC-P	059	2/15/2020		<2.0	0.16
District Action Threshold <sup>(3)</sup>				10	1.3

**Notes**

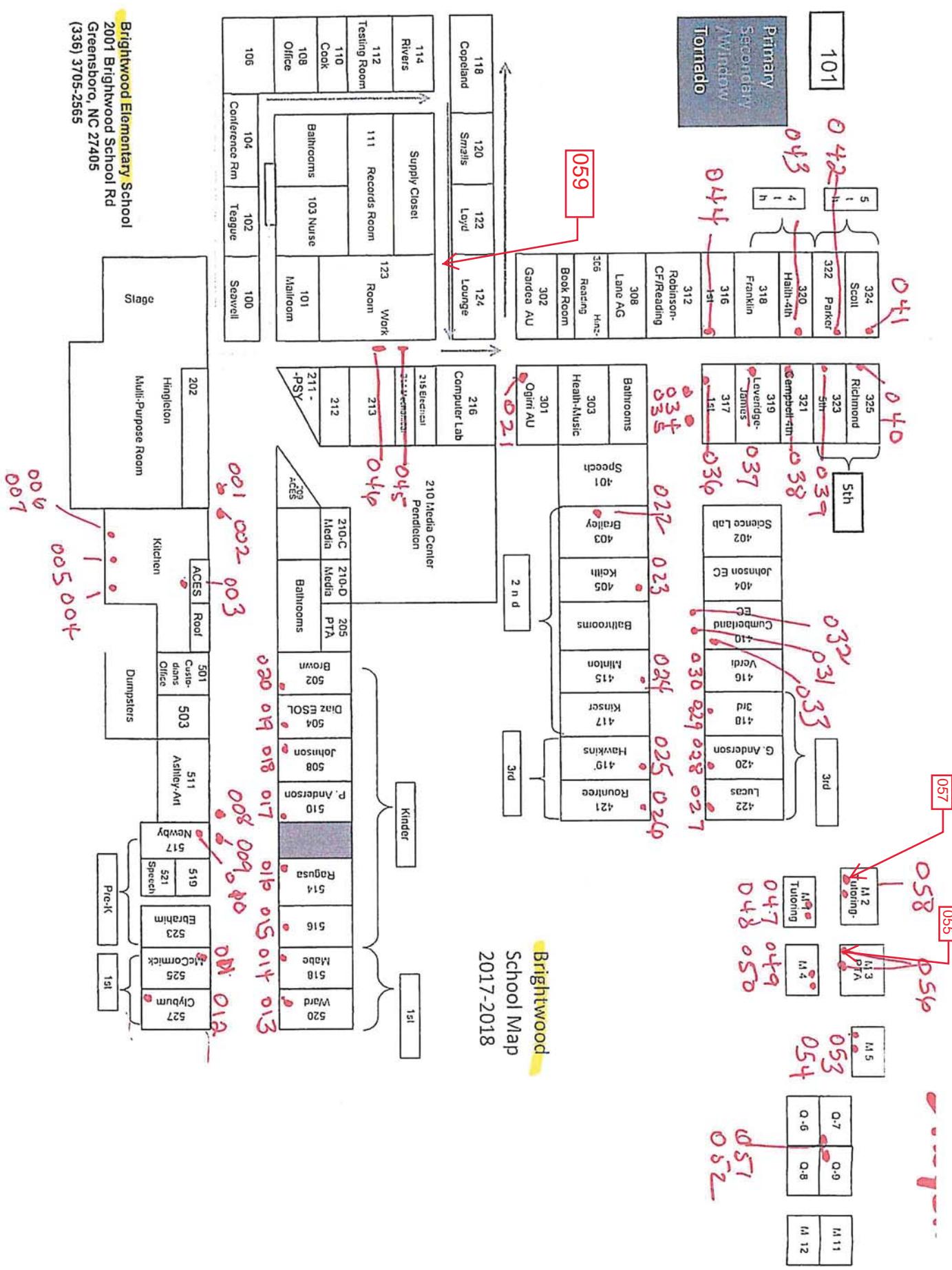
- 1.) Lead results reported in parts per billion (ppb).
- 2.) Copper results reported in parts per million (ppm).
- 3.) Action threshold established by Guilford County Schools.  
Concentrations in bold exceed the action threshold established by Guilford County Schools.

**Table 2**  
**Summary of Flush Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Brightwood Elementary**  
**Greensboro, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method		
				Lead	Copper
BRW-001-041A-DS-F	041	2/29/2020	200.8	<2.0	0.14
District Action Threshold <sup>(3)</sup>				10	1.3

**Notes**

- 1.) Lead results reported in parts per billion (ppb).
- 2.) Copper results reported in parts per million (ppm).
- 3.) Action threshold established by Guilford County Schools.



SCHOOL: Brightwood Elementary      Angela Mauve

DATE 1-14-2

<u>SAMPLE LOCATION</u>	<u>ROOM</u>	<u>LOCATION</u>	<u>Fixture Type</u>	<u>Brand</u>	<u>Age</u>	<u>Count</u>
<u>CODE</u>						
001		Hall near Cafe	Water Fountain			
002		Hall near Cafe	Water Fountain			
003	Cafe	Foie Gras	Ice Maker			
004		Cafe	Food Prep. 2 Dept.			
005		Cafe	Braising Pan			
006		Cafe	3 Dept. Sink L.H			
007		Cafe	3 Dept. Sink R.H			
008		Hall at 517	Water Fountain			
009		Hall at 517	Water Fountain			
010		517	Water Fountain			
011		525	Water Fountain			
012		527	Water Fountain			
013		520	Water Fountain			
014		518	Water Fountain			
015		516	Water Fountain			
016		514	Water Fountain			
017		510	Water Fountain			
018		508	Water Fountain			
019		504	Water Fountain			
020		502	Water Fountain			
021		301	Water Fountain			
022		405	Water Fountain			
023		403	Water Fountain			
024		415	Water Fountain			
025		419	Water Fountain			
026		421	Water Fountain			
027		422	Water Fountain			
028		420	Water Fountain			
029		418	Water Fountain			
030		416	Water Fountain			
031		Hall at 410	Water Fountain			
032		Hall at 410	Water Fountain			
033		410	Water Fountain			
034		Hall at 414	Water Fountain			
035		Hall at 414	Water Fountain			
036		317	Water Fountain			
037		319	Water Fountain			
038		321	Water Fountain			
039		323	Water Fountain			
040		325	Water Fountain			
041		324	Water Fountain			
042		322	Water Fountain			
043		320	Water Fountain			
044		316	Water Fountain			

SCHOOL: Brightwood Elementary

01-14-20 DATE

<u>SAMPLE LOCATION</u>	<u>ROOM</u>	<u>LOCATION</u>	<u>Fixture Type</u>	<u>Brand</u>	<u>Age</u>	<u>Count</u>
<u>Code</u>						
045		Hall near 210	Water Fountain			
046		Hall near 214	Water Fountain			
047		# 1 Out Bldg	Water Fountain			
048		# 1 Out Bldg	Water Fountain			
049		m 4	Water Fountain			
050		m 4	Water Fountain			
051		Hall m 4	Water Fountain			
052		Hall m 4	Water Fountain			
053		m 5	Water Fountain			
054		m 5	Water Fountain			
055		m 3	Water Fountain			
056		m 3	Water Fountain			
057		m 2	Water Fountain			
058		m 2	Water Fountain			

TOTAL NUMBER OF FIXTURES

Hart & Hickman notes based on field conditions identified during sampling:

- Samples 047 through 050 and 053 through 058 were not collected. Mobile units M-1 through M-5 are no longer in use and there is no water provided to them.
- Sample 040 was not collected. A drinking fountain was not identified in room 325.
- A water cooler was identified outside room 123 and a sample was collected (059).

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood Elementary  
Lab Submittal Date: 02/17/2020  
Work Order: 0020234

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

**WAYPOINT ANALYTICAL**



Angela D. Overcash  
Senior Project Manager



Reviewed By    Angela D. Overcash  
                    Senior Project Manager

**Data Qualifiers Key Reference:**

BRL      Below Reporting Limit

MDL      Method Detection Limit

RPD      Relative Percent Difference

\*      Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.



## Sample Receipt Summary

02/24/2020

Work Order: 0020234

Client Sample ID	Lab Sample ID	Matrix	Date/Time Sampled	Date/Time Received
BRW-001-001-WC-P	0020234-01	Drinking Water	02/15/20 10:00	02/17/20 9:30
BRW-001-002-WC-P	0020234-02	Drinking Water	02/15/20 10:01	02/17/20 9:30
BRW-001-003-IM-P	0020234-03	Drinking Water	02/15/20 10:02	02/17/20 9:30
BRW-001-004-KF-P	0020234-04	Drinking Water	02/15/20 10:03	02/17/20 9:30
BRW-001-005-BP-P	0020234-05	Drinking Water	02/15/20 10:04	02/17/20 9:30
BRW-001-006-KF-P	0020234-06	Drinking Water	02/15/20 10:05	02/17/20 9:30
BRW-001-007-KF-P	0020234-07	Drinking Water	02/15/20 10:06	02/17/20 9:30
BRW-001-008-WC-P	0020234-08	Drinking Water	02/15/20 10:20	02/17/20 9:30
BRW-001-009-WC-P	0020234-09	Drinking Water	02/15/20 10:21	02/17/20 9:30
BRW-001-010-DS-P	0020234-10	Drinking Water	02/15/20 10:23	02/17/20 9:30
BRW-001-011-DS-P	0020234-11	Drinking Water	02/15/20 10:27	02/17/20 9:30
BRW-001-012-DS-P	0020234-12	Drinking Water	02/15/20 10:30	02/17/20 9:30
BRW-001-013-DS-P	0020234-13	Drinking Water	02/15/20 10:32	02/17/20 9:30
BRW-001-014-DS-P	0020234-14	Drinking Water	02/15/20 10:34	02/17/20 9:30
BRW-001-015-DS-P	0020234-15	Drinking Water	02/15/20 10:36	02/17/20 9:30
BRW-001-016-DS-P	0020234-16	Drinking Water	02/15/20 10:38	02/17/20 9:30
BRW-001-017-DS-P	0020234-17	Drinking Water	02/15/20 10:40	02/17/20 9:30
BRW-001-018-DS-P	0020234-18	Drinking Water	02/15/20 10:42	02/17/20 9:30
BRW-001-019-DS-P	0020234-19	Drinking Water	02/15/20 10:44	02/17/20 9:30
BRW-001-020-DS-P	0020234-20	Drinking Water	02/15/20 10:48	02/17/20 9:30
BRW-001-021-DS-P	0020234-21	Drinking Water	02/15/20 10:50	02/17/20 9:30
BRW-001-022-DS-P	0020234-22	Drinking Water	02/15/20 10:54	02/17/20 9:30
BRW-001-023-DS-P	0020234-23	Drinking Water	02/15/20 10:58	02/17/20 9:30
BRW-001-024-DS-P	0020234-24	Drinking Water	02/15/20 11:02	02/17/20 9:30
BRW-001-025-DS-P	0020234-25	Drinking Water	02/15/20 11:04	02/17/20 9:30
BRW-001-026-DS-P	0020234-26	Drinking Water	02/15/20 11:06	02/17/20 9:30
BRW-001-027-DS-P	0020234-27	Drinking Water	02/15/20 11:08	02/17/20 9:30
BRW-001-028-DS-P	0020234-28	Drinking Water	02/15/20 11:10	02/17/20 9:30
BRW-001-029-DS-P	0020234-29	Drinking Water	02/15/20 11:12	02/17/20 9:30
BRW-001-030-DS-P	0020234-30	Drinking Water	02/15/20 11:14	02/17/20 9:30
BRW-001-031-WC-P	0020234-31	Drinking Water	02/15/20 11:16	02/17/20 9:30
BRW-001-032-WC-P	0020234-32	Drinking Water	02/15/20 11:17	02/17/20 9:30
BRW-001-033-DS-P	0020234-33	Drinking Water	02/15/20 11:20	02/17/20 9:30

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BRW-001-034-WC-P	0020234-34	Drinking Water	02/15/20 11:24	02/17/20 9:30
BRW-001-035-WC-P	0020234-35	Drinking Water	02/15/20 11:26	02/17/20 9:30
BRW-001-036-DS-P	0020234-36	Drinking Water	02/15/20 11:30	02/17/20 9:30
BRW-001-037-DS-P	0020234-37	Drinking Water	02/15/20 11:31	02/17/20 9:30
BRW-001-038-DS-P	0020234-38	Drinking Water	02/15/20 11:32	02/17/20 9:30
BRW-001-039-DS-P	0020234-39	Drinking Water	02/15/20 11:34	02/17/20 9:30
BRW-001-041-DS-P	0020234-40	Drinking Water	02/15/20 11:36	02/17/20 9:30
BRW-001-042-DS-P	0020234-41	Drinking Water	02/15/20 11:40	02/17/20 9:30
BRW-001-043-DS-P	0020234-42	Drinking Water	02/15/20 11:44	02/17/20 9:30
BRW-001-044-DS-P	0020234-43	Drinking Water	02/15/20 11:46	02/17/20 9:30
BRW-001-045-WC-P	0020234-44	Drinking Water	02/15/20 11:52	02/17/20 9:30
BRW-001-046-WC-P	0020234-45	Drinking Water	02/15/20 11:54	02/17/20 9:30
BRW-001-059-WC-P	0020234-46	Drinking Water	02/15/20 11:50	02/17/20 9:30
BRW-001-051-WC-P	0020234-47	Drinking Water	02/15/20 12:05	02/17/20 9:30
BRW-001-052-WC-P	0020234-48	Drinking Water	02/15/20 12:06	02/17/20 9:30

Samples were received at 19.9 degrees C. See case narrative for further information.



## Summary of Detections

02/24/2020

Work Order: 0020234

Waypoint ID	Client ID	Parameter	Method	Result	Units
0020234-01	BRW-001-001-WC-P	Copper	*200.8	0.13	mg/L
0020234-02	BRW-001-002-WC-P	Copper	*200.8	0.084	mg/L
0020234-04	BRW-001-004-KF-P	Copper	*200.8	0.065	mg/L
0020234-05	BRW-001-005-BP-P	Copper	*200.8	0.085	mg/L
0020234-06	BRW-001-006-KF-P	Copper	*200.8	0.053	mg/L
0020234-07	BRW-001-007-KF-P	Copper	*200.8	0.076	mg/L
0020234-08	BRW-001-008-WC-P	Copper	*200.8	0.11	mg/L
0020234-09	BRW-001-009-WC-P	Copper	*200.8	0.13	mg/L
0020234-10	BRW-001-010-DS-P	Copper	*200.8	0.084	mg/L
0020234-11	BRW-001-011-DS-P	Copper	*200.8	0.12	mg/L
0020234-12	BRW-001-012-DS-P	Copper	*200.8	0.12	mg/L
0020234-13	BRW-001-013-DS-P	Copper	*200.8	0.12	mg/L
0020234-14	BRW-001-014-DS-P	Copper	*200.8	0.12	mg/L
0020234-15	BRW-001-015-DS-P	Copper	*200.8	0.085	mg/L
0020234-16	BRW-001-016-DS-P	Copper	*200.8	0.12	mg/L
0020234-17	BRW-001-017-DS-P	Copper	*200.8	0.10	mg/L
0020234-18	BRW-001-018-DS-P	Copper	*200.8	0.065	mg/L
0020234-19	BRW-001-019-DS-P	Copper	*200.8	0.078	mg/L
0020234-20	BRW-001-020-DS-P	Copper	*200.8	0.060	mg/L
0020234-21	BRW-001-021-DS-P	Copper	*200.8	0.11	mg/L
0020234-21	BRW-001-021-DS-P	Lead	*200.8	0.0029	mg/L
0020234-22	BRW-001-022-DS-P	Copper	*200.8	0.14	mg/L
0020234-23	BRW-001-023-DS-P	Copper	*200.8	0.11	mg/L
0020234-24	BRW-001-024-DS-P	Copper	*200.8	0.15	mg/L
0020234-25	BRW-001-025-DS-P	Copper	*200.8	0.14	mg/L
0020234-26	BRW-001-026-DS-P	Copper	*200.8	0.14	mg/L
0020234-27	BRW-001-027-DS-P	Copper	*200.8	0.15	mg/L
0020234-28	BRW-001-028-DS-P	Copper	*200.8	0.14	mg/L
0020234-29	BRW-001-029-DS-P	Copper	*200.8	0.15	mg/L
0020234-30	BRW-001-030-DS-P	Copper	*200.8	0.11	mg/L
0020234-31	BRW-001-031-WC-P	Copper	*200.8	0.085	mg/L
0020234-32	BRW-001-032-WC-P	Copper	*200.8	0.084	mg/L
0020234-33	BRW-001-033-DS-P	Copper	*200.8	0.11	mg/L
0020234-34	BRW-001-034-WC-P	Copper	*200.8	0.078	mg/L
0020234-35	BRW-001-035-WC-P	Copper	*200.8	0.058	mg/L
0020234-36	BRW-001-036-DS-P	Copper	*200.8	0.097	mg/L
0020234-37	BRW-001-037-DS-P	Copper	*200.8	0.095	mg/L
0020234-38	BRW-001-038-DS-P	Copper	*200.8	0.15	mg/L
0020234-39	BRW-001-039-DS-P	Copper	*200.8	0.095	mg/L
0020234-40	BRW-001-041-DS-P	Copper	*200.8	0.17	mg/L
0020234-40	BRW-001-041-DS-P	Lead	*200.8	0.023	mg/L
0020234-41	BRW-001-042-DS-P	Copper	*200.8	0.12	mg/L
0020234-42	BRW-001-043-DS-P	Copper	*200.8	0.13	mg/L
0020234-43	BRW-001-044-DS-P	Copper	*200.8	0.13	mg/L

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## Summary of Detections

02/24/2020

Work Order: 0020234

Waypoint ID	Client ID	Parameter	Method	Result	Units
0020234-44	BRW-001-045-WC-P	Copper	*200.8	0.092	mg/L
0020234-45	BRW-001-046-WC-P	Copper	*200.8	0.11	mg/L
0020234-46	BRW-001-059-WC-P	Copper	*200.8	0.16	mg/L
0020234-47	BRW-001-051-WC-P	Copper	*200.8	0.082	mg/L
0020234-48	BRW-001-052-WC-P	Copper	*200.8	0.090	mg/L

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-001-WC-P  
Sample ID: 0020234-01  
Work Order: 0020234  
Time Collected: 02/15/20 10:00  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	2/20/20 20:12	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 20:12	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-002-WC-P  
Sample ID: 0020234-02  
Work Order: 0020234  
Time Collected: 02/15/20 10:01  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.084	mg/L	0.0020	0.00094	1	*200.8	2/20/20 20:19	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 20:19	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-003-IM-P  
Sample ID: 0020234-03  
Work Order: 0020234  
Time Collected: 02/15/20 10:02  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	BRL	mg/L	0.0020	0.00094	1	*200.8	2/20/20 20:36	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 20:36	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-004-KF-P  
Sample ID: 0020234-04  
Work Order: 0020234  
Time Collected: 02/15/20 10:03  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.065	mg/L	0.0020	0.00094	1	*200.8	2/20/20 20:42	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 20:42	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-005-BP-P  
Sample ID: 0020234-05  
Work Order: 0020234  
Time Collected: 02/15/20 10:04  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.085	mg/L	0.0020	0.00094	1	*200.8	2/20/20 20:48	MMR	P0B0281
Lead		mg/L	0.0020	0.00082	1	*200.8	2/20/20 20:48	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-006-KF-P  
Sample ID: 0020234-06  
Work Order: 0020234  
Time Collected: 02/15/20 10:05  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.053	mg/L	0.0020	0.00094	1	*200.8	2/20/20 20:54	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 20:54	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-007-KF-P  
Sample ID: 0020234-07  
Work Order: 0020234  
Time Collected: 02/15/20 10:06  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.076	mg/L	0.0020	0.00094	1	*200.8	2/20/20 21:00	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 21:00	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-008-WC-P  
Sample ID: 0020234-08  
Work Order: 0020234  
Time Collected: 02/15/20 10:20  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	2/20/20 21:24	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 21:24	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-009-WC-P  
Sample ID: 0020234-09  
Work Order: 0020234  
Time Collected: 02/15/20 10:21  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	2/20/20 21:30	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 21:30	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-010-DS-P  
Sample ID: 0020234-10  
Work Order: 0020234  
Time Collected: 02/15/20 10:23  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.084	mg/L	0.0020	0.00094	1	*200.8	2/20/20 21:36	MMR	P0B0281
Lead		BRL	0.0020	0.00082	1	*200.8	2/20/20 21:36	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-011-DS-P  
Sample ID: 0020234-11  
Work Order: 0020234  
Time Collected: 02/15/20 10:27  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/20/20 21:42	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 21:42	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-012-DS-P  
Sample ID: 0020234-12  
Work Order: 0020234  
Time Collected: 02/15/20 10:30  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/20/20 21:48	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 21:48	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-013-DS-P  
Sample ID: 0020234-13  
Work Order: 0020234  
Time Collected: 02/15/20 10:32  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/20/20 21:54	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 21:54	MMR	P0B0281

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-014-DS-P  
Sample ID: 0020234-14  
Work Order: 0020234  
Time Collected: 02/15/20 10:34  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/20/20 22:00	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 22:00	MMR	P0B0281

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-015-DS-P  
Sample ID: 0020234-15  
Work Order: 0020234  
Time Collected: 02/15/20 10:36  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.085	mg/L	0.0020	0.00094	1	*200.8	2/20/20 22:06	MMR	P0B0281
Lead		mg/L	0.0020	0.00082	1	*200.8	2/20/20 22:06	MMR	P0B0281

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-016-DS-P  
Sample ID: 0020234-16  
Work Order: 0020234  
Time Collected: 02/15/20 10:38  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/20/20 22:12	MMR	P0B0281
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 22:12	MMR	P0B0281

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2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-017-DS-P  
Sample ID: 0020234-17  
Work Order: 0020234  
Time Collected: 02/15/20 10:40  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.10	mg/L	0.0020	0.00094	1	*200.8	2/20/20 22:58	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 22:58	MMR	P0B0282

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-018-DS-P  
Sample ID: 0020234-18  
Work Order: 0020234  
Time Collected: 02/15/20 10:42  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.065	mg/L	0.0020	0.00094	1	*200.8	2/20/20 23:04	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 23:04	MMR	P0B0282

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-019-DS-P  
Sample ID: 0020234-19  
Work Order: 0020234  
Time Collected: 02/15/20 10:44  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.078	mg/L	0.0020	0.00094	1	*200.8	2/20/20 23:10	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 23:10	MMR	P0B0282

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-020-DS-P  
Sample ID: 0020234-20  
Work Order: 0020234  
Time Collected: 02/15/20 10:48  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.060	mg/L	0.0020	0.00094	1	*200.8	2/20/20 22:41	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 22:41	MMR	P0B0282

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-021-DS-P  
Sample ID: 0020234-21  
Work Order: 0020234  
Time Collected: 02/15/20 10:50  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	2/20/20 23:16	MMR	P0B0282
Lead	0.0029	mg/L	0.0020	0.00082	1	*200.8	2/20/20 23:16	MMR	P0B0282

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-022-DS-P  
Sample ID: 0020234-22  
Work Order: 0020234  
Time Collected: 02/15/20 10:54  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.14	mg/L	0.0020	0.00094	1	*200.8	2/20/20 23:34	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 23:34	MMR	P0B0282

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-023-DS-P  
Sample ID: 0020234-23  
Work Order: 0020234  
Time Collected: 02/15/20 10:58  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	2/20/20 23:40	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 23:40	MMR	P0B0282

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-024-DS-P  
Sample ID: 0020234-24  
Work Order: 0020234  
Time Collected: 02/15/20 11:02  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	2/20/20 23:46	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 23:46	MMR	P0B0282

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-025-DS-P  
Sample ID: 0020234-25  
Work Order: 0020234  
Time Collected: 02/15/20 11:04  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.14	mg/L	0.0020	0.00094	1	*200.8	2/20/20 23:52	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 23:52	MMR	P0B0282

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-026-DS-P  
Sample ID: 0020234-26  
Work Order: 0020234  
Time Collected: 02/15/20 11:06  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.14	mg/L	0.0020	0.00094	1	*200.8	2/20/20 23:58	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/20/20 23:58	MMR	P0B0282

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-027-DS-P  
Sample ID: 0020234-27  
Work Order: 0020234  
Time Collected: 02/15/20 11:08  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	2/21/20 0:04	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 0:04	MMR	P0B0282

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02/24/2020

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-028-DS-P  
Sample ID: 0020234-28  
Work Order: 0020234  
Time Collected: 02/15/20 11:10  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.14	mg/L	0.0020	0.00094	1	*200.8	2/21/20 0:27	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 0:27	MMR	P0B0282

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-029-DS-P  
Sample ID: 0020234-29  
Work Order: 0020234  
Time Collected: 02/15/20 11:12  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	2/21/20 0:33	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 0:33	MMR	P0B0282

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02/24/2020

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-030-DS-P  
Sample ID: 0020234-30  
Work Order: 0020234  
Time Collected: 02/15/20 11:14  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	2/21/20 0:39	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 0:39	MMR	P0B0282

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-031-WC-P  
Sample ID: 0020234-31  
Work Order: 0020234  
Time Collected: 02/15/20 11:16  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.085	mg/L	0.0020	0.00094	1	*200.8	2/21/20 0:45	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 0:45	MMR	P0B0282

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# Laboratory Report

02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-032-WC-P  
Sample ID: 0020234-32  
Work Order: 0020234  
Time Collected: 02/15/20 11:17  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.084	mg/L	0.0020	0.00094	1	*200.8	2/21/20 0:51	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 0:51	MMR	P0B0282

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-033-DS-P  
Sample ID: 0020234-33  
Work Order: 0020234  
Time Collected: 02/15/20 11:20  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	2/21/20 0:57	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 0:57	MMR	P0B0282

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-034-WC-P  
Sample ID: 0020234-34  
Work Order: 0020234  
Time Collected: 02/15/20 11:24  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.078	mg/L	0.0020	0.00094	1	*200.8	2/21/20 1:03	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 1:03	MMR	P0B0282

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2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-035-WC-P  
Sample ID: 0020234-35  
Work Order: 0020234  
Time Collected: 02/15/20 11:26  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.058	mg/L	0.0020	0.00094	1	*200.8	2/21/20 1:09	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 1:09	MMR	P0B0282

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-036-DS-P  
Sample ID: 0020234-36  
Work Order: 0020234  
Time Collected: 02/15/20 11:30  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.097	mg/L	0.0020	0.00094	1	*200.8	2/21/20 1:15	MMR	P0B0282
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 1:15	MMR	P0B0282

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02/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-037-DS-P  
Sample ID: 0020234-37  
Work Order: 0020234  
Time Collected: 02/15/20 11:31  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.095	mg/L	0.0020	0.00094	1	*200.8	2/21/20 2:01	MMR	P0B0283
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 2:01	MMR	P0B0283

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-038-DS-P  
Sample ID: 0020234-38  
Work Order: 0020234  
Time Collected: 02/15/20 11:32  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	2/21/20 2:07	MMR	P0B0283
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 2:07	MMR	P0B0283

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2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-039-DS-P  
Sample ID: 0020234-39  
Work Order: 0020234  
Time Collected: 02/15/20 11:34  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.095	mg/L	0.0020	0.00094	1	*200.8	2/21/20 2:13	MMR	P0B0283
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 2:13	MMR	P0B0283

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2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-041-DS-P  
Sample ID: 0020234-40  
Work Order: 0020234  
Time Collected: 02/15/20 11:36  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.17	mg/L	0.0020	0.00094	1	*200.8	2/21/20 1:44	MMR	P0B0283
Lead	0.023	mg/L	0.0020	0.00082	1	*200.8	2/21/20 1:44	MMR	P0B0283

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2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-042-DS-P  
Sample ID: 0020234-41  
Work Order: 0020234  
Time Collected: 02/15/20 11:40  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	2/21/20 2:19	MMR	P0B0283
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 2:19	MMR	P0B0283

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2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-043-DS-P  
Sample ID: 0020234-42  
Work Order: 0020234  
Time Collected: 02/15/20 11:44  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	2/21/20 2:37	MMR	P0B0283
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 2:37	MMR	P0B0283

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-044-DS-P  
Sample ID: 0020234-43  
Work Order: 0020234  
Time Collected: 02/15/20 11:46  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	2/21/20 2:43	MMR	P0B0283
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 2:43	MMR	P0B0283

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-045-WC-P  
Sample ID: 0020234-44  
Work Order: 0020234  
Time Collected: 02/15/20 11:52  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.092	mg/L	0.0020	0.00094	1	*200.8	2/21/20 2:49	MMR	P0B0283
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 2:49	MMR	P0B0283

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-046-WC-P  
Sample ID: 0020234-45  
Work Order: 0020234  
Time Collected: 02/15/20 11:54  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	2/21/20 2:55	MMR	P0B0283
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 2:55	MMR	P0B0283

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Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-059-WC-P  
Sample ID: 0020234-46  
Work Order: 0020234  
Time Collected: 02/15/20 11:50  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.16	mg/L	0.0020	0.00094	1	*200.8	2/21/20 3:01	MMR	P0B0283
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 3:01	MMR	P0B0283

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-051-WC-P  
Sample ID: 0020234-47  
Work Order: 0020234  
Time Collected: 02/15/20 12:05  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.082	mg/L	0.0020	0.00094	1	*200.8	2/21/20 3:07	MMR	P0B0283
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 3:07	MMR	P0B0283

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2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-052-WC-P  
Sample ID: 0020234-48  
Work Order: 0020234  
Time Collected: 02/15/20 12:06  
Time Submitted: 02/17/20 09:30

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.090	mg/L	0.0020	0.00094	1	*200.8	2/21/20 3:19	MMR	P0B0283
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	2/21/20 3:19	MMR	P0B0283

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 Attn: Christine Schaefer  
 2923 South Tryon St. Ste 100  
 Charlotte, NC 28203

Project: GCS-001 - Brightwood  
 Elementary

Work Order: 0020234  
 Time Submitted: 2/17/2020 9:30:00AM

#### Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Notes
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#### Batch P0B0281 - 200.8

<b>Blank (P0B0281-BLK1)</b>				Prepared: 02/18/20 Analyzed: 02/20/20				
Copper	BRL	0.0020	mg/L					
Lead	BRL	0.0020	mg/L					
<b>LCS (P0B0281-BS1)</b>				Prepared: 02/18/20 Analyzed: 02/20/20				
Copper	0.0954	0.0020	mg/L	0.1000	95	85-115		
Lead	0.0971	0.0020	mg/L	0.1000	97	85-115		
<b>Matrix Spike (P0B0281-MS2)</b>				<b>Source: 0020234-07</b>	Prepared: 02/18/20 Analyzed: 02/20/20			
Copper	0.168	0.0020	mg/L	0.1000	0.0763	92	70-130	
Lead	0.0957	0.0020	mg/L	0.1000	BRL	96	70-130	

#### Batch P0B0282 - 200.8

<b>Blank (P0B0282-BLK1)</b>				Prepared: 02/18/20 Analyzed: 02/20/20				
Copper	BRL	0.0020	mg/L					
Lead	BRL	0.0020	mg/L					
<b>LCS (P0B0282-BS1)</b>				Prepared: 02/18/20 Analyzed: 02/20/20				
Copper	0.0976	0.0020	mg/L	0.1000	98	85-115		
Lead	0.0969	0.0020	mg/L	0.1000	97	85-115		
<b>Matrix Spike (P0B0282-MS1)</b>				<b>Source: 0020234-20</b>	Prepared: 02/18/20 Analyzed: 02/21/20			
Copper	0.150	0.0020	mg/L	0.1000	0.0600	90	70-130	
Lead	0.0974	0.0020	mg/L	0.1000	BRL	97	70-130	
<b>Matrix Spike (P0B0282-MS2)</b>				<b>Source: 0020234-27</b>	Prepared: 02/18/20 Analyzed: 02/21/20			
Copper	0.237	0.0020	mg/L	0.1000	0.149	88	70-130	
Lead	0.0967	0.0020	mg/L	0.1000	BRL	97	70-130	



Hart & Hickman (Charlotte)  
 Attn: Christine Schaefer  
 2923 South Tryon St. Ste 100  
 Charlotte, NC 28203

Project: GCS-001 - Brightwood  
 Elementary

Work Order: 0020234  
 Time Submitted: 2/17/2020 9:30:00AM

**Total Metals - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
<b>Batch P0B0282 - 200.8</b>										
<b>Matrix Spike Dup (P0B0282-MSD1)</b> Source: 0020234-20      Prepared: 02/18/20 Analyzed: 02/21/20										
Copper	0.150	0.0020	mg/L	0.1000	0.0600	90	70-130	0.06	10	
Lead	0.0973	0.0020	mg/L	0.1000	BRL	97	70-130	0.08	10	
<b>Batch P0B0283 - 200.8</b>										
<b>Blank (P0B0283-BLK1)</b> Prepared: 02/18/20 Analyzed: 02/21/20										
Copper	BRL	0.0020	mg/L							
Lead	BRL	0.0020	mg/L							
<b>LCS (P0B0283-BS1)</b> Prepared: 02/18/20 Analyzed: 02/21/20										
Copper	0.0967	0.0020	mg/L	0.1000		97	85-115			
Lead	0.0968	0.0020	mg/L	0.1000		97	85-115			
<b>Matrix Spike (P0B0283-MS1)</b> Source: 0020234-40      Prepared: 02/18/20 Analyzed: 02/21/20										
Copper	0.257	0.0020	mg/L	0.1000	0.170	87	70-130			
Lead	0.118	0.0020	mg/L	0.1000	0.0229	95	70-130			
<b>Matrix Spike (P0B0283-MS2)</b> Source: 0020234-47      Prepared: 02/18/20 Analyzed: 02/21/20										
Copper	0.173	0.0020	mg/L	0.1000	0.0820	91	70-130			
Lead	0.0967	0.0020	mg/L	0.1000	BRL	97	70-130			
<b>Matrix Spike Dup (P0B0283-MSD1)</b> Source: 0020234-40      Prepared: 02/18/20 Analyzed: 02/21/20										
Copper	0.259	0.0020	mg/L	0.1000	0.170	90	70-130	1	10	
Lead	0.119	0.0020	mg/L	0.1000	0.0229	96	70-130	0.4	10	

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

### Sample Extraction Data

**Prep Method: 200.8**

Lab Number	Batch	Initial	Final	Date/Time
0020234-01	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-02	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-03	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-04	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-05	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-06	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-07	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-08	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-09	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-10	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-11	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-12	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-13	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-14	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-15	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-16	P0B0281	50 mL	50 mL	02/18/20 13:14
0020234-17	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-18	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-19	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-20	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-21	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-22	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-23	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-24	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-25	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-26	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-27	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-28	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-29	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-30	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-31	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-32	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-33	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-34	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-35	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-36	P0B0282	50 mL	50 mL	02/18/20 13:18
0020234-37	P0B0283	50 mL	50 mL	02/18/20 13:22
0020234-38	P0B0283	50 mL	50 mL	02/18/20 13:22
0020234-39	P0B0283	50 mL	50 mL	02/18/20 13:22
0020234-40	P0B0283	50 mL	50 mL	02/18/20 13:22
0020234-41	P0B0283	50 mL	50 mL	02/18/20 13:22
0020234-42	P0B0283	50 mL	50 mL	02/18/20 13:22
0020234-43	P0B0283	50 mL	50 mL	02/18/20 13:22
0020234-44	P0B0283	50 mL	50 mL	02/18/20 13:22
0020234-45	P0B0283	50 mL	50 mL	02/18/20 13:22
0020234-46	P0B0283	50 mL	50 mL	02/18/20 13:22
0020234-47	P0B0283	50 mL	50 mL	02/18/20 13:22
0020234-48	P0B0283	50 mL	50 mL	02/18/20 13:22

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# PRISM

LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543

Phone: 704/529-6364 • Fax: 704/525-0409

Client Company Name: H&H

Report To/Contact Name: Christina Schaefer

Reporting Address: 2923 S TRYON ST. # 100

Charlotte, NC 28223

Phone: 704-538-0021 Fax (Yes) (No)

Email (Yes) (No) Email Address schaefer@harthickman.com

EDD Type: PDF Excel Other

Site Location Name: Brightwood Elementary

Site Location Physical Address: Greensboro, NC

Phone: 336-273-1200 Fax (Yes) (No)

Email (Yes) (No) Email Address jessica.schaefer@brightwood.org

EDD Type: PDF Excel Other

Site Location Name: Brightwood Elementary

Site Location Physical Address: Greensboro, NC

Purchase Order No./Billing Reference GC-S-001  
Requested Due Date 1 Day 2 Days 3 Days 4 Days 5 Days  
"Working Days" 6-9 Days Standard 10 days

Samples received after 15:00 will be processed next business day.  
Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

\*Please ATTACH any project specific reporting (QC LEVEL I II III IV)  
provisions and/or QC Requirements  
Invoice To: accountspayable@harthickman.com  
Address:

PAGE 1 OF 7 QUOTE TO ENSURE PROPER BILLING:

Samples INTACT upon arrival?

Received ON WET ICE? Temp

PROPER PRESERVATIVES indicated?

Received WITHIN HOLDING TIMES?

CUSTODY SEALS INTACT?

VOLATILES recd w/out HEADSPACE?

PROPER CONTAINERS used?

YES NO N/A



Full Service Analytical & Environmental Solutions  
449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543  
Phone: 704/529-6364 • Fax: 704/525-0469

Client Company Name: H&H

Report To/Contact Name: Christina Schaefer

Reporting Address: 2923 S Tryon St. # 100  
Charlotte, NC 28203

Phone: 704-586-0007 Fax (Yes)  (No)

Email  (No) Email Address [christina.schaefer@harthickman.com](mailto:christina.schaefer@harthickman.com)

EDD Type:  PDF  Excel  Other

Site Location Name: Brightwood Elementary

Site Location Physical Address: Greensboro, NC

Purchase Order No./Billing Reference GCS-C01  
Requited Due Date 1 Day 2 Days 3 Days 4 Days  5 Days  
"Working Days" 6-9 Days Standard 10 days

Samples received after 15:00 will be processed next business day.  
Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

**TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL**  
Certification: NELAC  USACE  FL  NC   
SC  OTHER  N/A  
Water Chlorinated: YES  NO   
Sample Iced Upon Collection: YES  NO

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	'TYPE SEE BELOW	SAMPLE CONTAINER NO.	PRESERVA- TIVES	ANALYSES REQUESTED										REMARKS	PRISM LAB ID NO.
							C	Pb	200	8	C	Pb	200	8	C	Pb	200	
BRW-001-021-DS-P	2/15/20	1050	Water	P	1	125	HNO3	✓										21
BRW-001-022-DS-P		1051	Water	P	1	125	HNO3	✓										22
BRW-001-023-DS-P		1053	Water	P	1	125	HNO3	✓										23
BRW-001-024-DS-P		1052	Water	P	1	125	HNO3	✓										24
BRW-001-025-DS-P		1054	Water	P	1	125	HNO3	✓										25
BRW-001-026-DS-P		1055	Water	P	1	125	HNO3	✓										26
BRW-001-027-DS-P		1056	Water	P	1	125	HNO3	✓										27
BRW-001-028-DS-P		1057	Water	P	1	125	HNO3	✓										28
BRW-001-029-DS-P		1058	Water	P	1	125	HNO3	✓										29
BRW-001-030-DS-P		1059	Water	P	1	125	HNO3	✓										30

Sampler's Signature Natascha Pacifico

Sampled By (Print Name) Natascha Pacifico

Affiliation H&H

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature) H&H Received By: (Signature) J. M. C. Additional Comments:

Relinquished By: (Signature) J. M. C. Received For Prism Laboratories By: J. M. C.

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY.  
SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST SOC UNTIL RECEIVED AT THE LABORATORY.

FedEx UPS Hand-delivered Pilgrim Field Service Other

**PRISM USE ONLY**  
SEE REVERSE FOR  
TERMS & CONDITIONS

**PRESS DOWN FIRMLY - 3 COPIES**

Site Arrival Time:	Date: <u>2-17-20</u> Military Hours: <u>09:00</u>
Site Departure Time:	Date: <u>2-17-20</u> Military Hours: <u>09:30</u>
Field Tech Fee:	Mileage:
Login Group No.: <u>60000234</u>	

NPDES:	UST:	GROUNDWATER:	DRAINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
- NC	- SC	- NC	- SC	- NC	- SC	- NC	- NC	- NC

\*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543

Phone: 704/529-5364 • Fax: 704/525-0409

Client Company Name: H&H

Report To/Contact Name: Christina Schaefer

Reporting Address: 2023 S Tryon St. # 100  
Charlotte, NC 28203

Phone: 704-538-6007 Fax (Yes)  (No)

Email  (No) Email Address [cschaefer@hathaway-hill.com](mailto:cschaefer@hathaway-hill.com)

EDD Type:  PDF  Excel  Other

Site Location Name: Brightwood Elementary

Site Location Physical Address: Greensboro, NC

Purchase Order No./Billing Reference GCS-001  
Purchase Order No./Billing Reference GCS-001  
Received On WET ICE? Temp 48° F    
Received Within Holding Times?    
PROPER PRESERVATIVES indicated?    
CUSTODY SEALS INTACT?    
VOLATILES recd W/O HEADSPACE?    
PROPER CONTAINERS used?

Samples INTACT upon arrival?    
Certification: NELAC  USACE  FL  NC   
SC  OTHER  N/A   
Water Chlorinated: YES  NO   
Sample Iced Upon Collection: YES  NO

Turnaround time is based on business days, excluding weekends and holidays.  
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

Project Name: GCS-001 Brightwood Elementary  
Short Hold Analysis: (Yes)  (No)

UST Project: (Yes)  (No)

\*Please ATTACH any project specific reporting (QC LEVEL II)

provisions and/or QC Requirements

Invoice To: [accounts payable@hathaway-hill.com](mailto:accounts payable@hathaway-hill.com)

Address:

SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	*TYPE SEE BELOW	SAMPLE CONTAINER	PRESERVA- TIVES	ANALYSES REQUESTED			REMARKS	PRISM LAB ID NO.
							NO.	SIZE	200:8		
BRW-001-031-WC-P	2/15/20	1116	Water	P	1	125	HNO3	✓			31
BRW-001-032-WC-P	1/17	Water	P	1	125	HNO3	✓				32
BRW-001-033-DS-P	1/20	Water	P	1	125	HNO3	✓				33
BRW-001-034-WC-P	1/24	Water	P	1	125	HNO3	✓				34
BRW-001-035-WC-P	1/26	Water	P	1	125	HNO3	✓				35
BRW-001-036-D-P	1/30	Water	P	1	125	HNO3	✓				36
BRW-001-037-D-P	1/31	Water	P	1	125	HNO3	✓				37
BRW-001-038-D-P	1/32	Water	P	1	125	HNO3	✓				38
BRW-001-039-D-P	1/34	Water	P	1	125	HNO3	✓				39
BRW-001-040-D-P		Water	P	1	250	HNO3	✓				

Sampler's Signature: Natascha Pacifico Sampled By (Print Name): Natascha Pacifico Affiliation: H&H

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Reinquished By: (Signature) Natascha Pacifico Received By: (Signature) J. D. Hill

Reinquished By: (Signature) Natascha Pacifico Received For Prism Laboratories By: J. D. Hill

Method of Transport: NOTE: ALL SAMPLE CONTAINERS SHOULD BE TAPE SEALED WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

FedEx Hand-delivered UPS PHS Field Service Other

### PRESS DOWN FIRMLY - 3 COPIES

### PRISM USE ONLY

Additional Comments:

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage:

Date 2-17-20 Log-in Group No. 0020234

SEE REVERSE FOR  
TERMS & CONDITIONS

NPDES: UST: GROUNDWATER: DRINKING WATER: SOLID WASTE: RCRA: CERCLA LANDFILL OTHER:  
- NC - SC - NC - SC

\* CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Tellon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

# PRISM

LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543  
Phone: 704/529-6364 • Fax: 704/525-0409

Client Company Name: H&H

Report To/Contact Name: Christina Schaefer

Reporting Address: 2923 Station St. #100  
Charlotte, NC 28203

Phone: 704-526-0007 Fax (Yes)  (No)

Email  (No) Email Address [c.schaefer@charthickman.com](mailto:c.schaefer@charthickman.com)

EDD Type:  PDF  Excel  Other

Site Location Name:

Brightwood Elementary

Site Location Physical Address: Brightwood Greensboro, NC

Purchase Order No./Billing Reference **GCS-001**  
Requested Due Date 1 Day 2 Days 3 Days 4 Days  5 Days  
"Working Days" 6-9 Days Standard 10 days

Samples received after 15:00 will be processed next business day.  
Turnaround time is based on business days, excluding weekends and holidays.

(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

Project Name: GCS-001 Brightwood Elementary

Short Hold Analysis:  (Yes)  (No) UST Project:  (Yes)  (No)

\*Please ATTACH any project specific reporting (QC LEVEL **II**)

provisions and/or QC Requirements

Invoice To: [accounts payable@charthickman.com](mailto:accounts payable@charthickman.com)

Address:

## CHAIN OF CUSTODY RECORD

LAB USE ONLY

19-8

YES NO N/A

Samples INTACT upon arrival?

Received ON WET ICE? Temp \_\_\_\_\_

PROPER PRESERVATIVES indicated?

Received WITHIN HOLDING TIMES?

CUSTODY SEALS INTACT?

VOLATILES read W/O HEADSPACE?

PROPER CONTAINERS used?

**TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL**  
Certification: NEELAC  USACE  FL  NC   
SC  OTHER  N/A  
Water Chlorinated: YES  NO   
Sample Iced Upon Collection: YES  NO

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER SEE BELOW	PRESERVE- TIVES NO.	ANALYSES REQUESTED	REMARKS	PRISM LAB ID NO.
BRW-001-041-DS-P	2/15/20	1130	Water	P	1	125	HNO3 ✓	✓
BRW-001-042-DS-P		1140	Water	P	1	125	HNO3 ✓	✓
BRW-001-043-DS-P		1140	Water	P	1	125	HNO3 ✓	✓
BRW-001-044-D-P		1140	Water	P	1	125	HNO3 ✓	✓
BRW-001-045-W-P		1150	Water	P	1	125	HNO3 ✓	✓
BRW-001-046-W-P		1150	Water	P	1	125	HNO3 ✓	✓
BRW-001-047-B-P		Water	P	1	125	HNO3 ✓	✓	✓
BRW-001-048-D-P		Water	P	1	125	HNO3 ✓	✓	✓
BRW-001-049-D-P		Water	P	1	125	HNO3 ✓	✓	✓
BRW-001-050-D-P		Water	P	1	125	HNO3 ✓	✓	✓

Sampler's Signature: *Natascha Pacifico* Sampled By (Print Name): *Natascha Pacifico* Affiliation: *H+H*

Upon relinquishing this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Received By: (Signature)

Additional Comments:

Date

Time

Military/Hours

AM/PM





Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood Elementary

Lab Submittal Date: 03/03/2020  
Work Order: 0030023

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

**WAYPOINT ANALYTICAL**



Angela D. Overcash

Senior Project Manager

**Data Qualifiers Key Reference:**

BRL Below Reporting Limit

MDL Method Detection Limit

RPD Relative Percent Difference

\* Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.



## Sample Receipt Summary

03/10/2020

Work Order: 0030023

Client Sample ID	Lab Sample ID	Matrix	Date/Time Sampled	Date/Time Received
BRW-001-041A-DS-F	0030023-01	Drinking Water	02/29/20 8:33	03/03/20 15:55

Samples were received in good condition at 2.2 degrees C unless otherwise noted.



## Summary of Detections

03/10/2020

Work Order: 0030023

Waypoint ID	Client ID	Parameter	Method	Result	Units
0030023-01	BRW-001-041A-DS-F	Copper	*200.8	0.14	mg/L

---

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: BRW-001-041A-DS-F  
Sample ID: 0030023-01  
Work Order: 0030023  
Time Collected: 02/29/20 08:33  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.14	mg/L	0.0020	0.00094	1	*200.8	3/5/20 23:26	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 23:26	MMR	P0C0091

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409



Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Brightwood  
Elementary

Work Order: 0030023  
Time Submitted: 3/3/2020 3:55:00PM

**Total Metals - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-------

**Batch P0C0091 - 200.8**

Blank (P0C0091-BLK1)				Prepared: 03/04/20 Analyzed: 03/05/20				
Copper	BRL	0.0020	mg/L					
Lead	BRL	0.0020	mg/L					
LCS (P0C0091-BS1)					Prepared: 03/04/20 Analyzed: 03/05/20			
Copper	0.101	0.0020	mg/L	0.1000	101	85-115		
Lead	0.0969	0.0020	mg/L	0.1000	97	85-115		

**Sample Extraction Data****Prep Method: 200.8**

Lab Number	Batch	Initial	Final	Date/Time
0030023-01	P0C0091	50 mL	50 mL	03/04/20 14:42



**APPENDIX E**  
**UNION HILL ELEMENTARY RESULTS**

School Name: Union Hill Elementary	Report Date(s): 3/10/2020	
Date Test Conducted: 2/29/2020	Date Results Received: 3/9/2020	
Number of Faucets Tested: 17		
<b>Lead Results</b>	<b>Copper Results</b>	
Results 15 ppb and above: 0	Results 1.3 ppm and above: 0	
Results 10 ppb to below 15 ppb: 0	Detectable results below 1.3 ppm: 17	
Detectable results below 10 ppb: 0	Results below detection level: 0	
Results below detection level: 17		
<b>Number of Faucets Requiring Remedial Action: 0</b>		
Location of Faucet	Action Taken	Date:
Sample ID:	<input type="checkbox"/> Temporarily taken out of service: <input type="checkbox"/> Permanently taken out of service: <input type="checkbox"/> Flush tested: Flush test result: <input type="checkbox"/> Replaced: <input type="checkbox"/> Retest: Retest result: Other: _____ <input type="checkbox"/> Placed back in service on:	
Location Description:		
<b>Daily School-Wide Flushing:</b> <input type="checkbox"/> Continue with protocol <input checked="" type="checkbox"/> Discontinue flushing protocol (date): 3/10/20 <input type="checkbox"/> Other (Describe: _____)		
This is a summary report prepared by Hart & Hickman, PC (H&H). H&H suggests that the full report be referred to with regard to findings, recommendations, and technical limitations for this sampling event.		

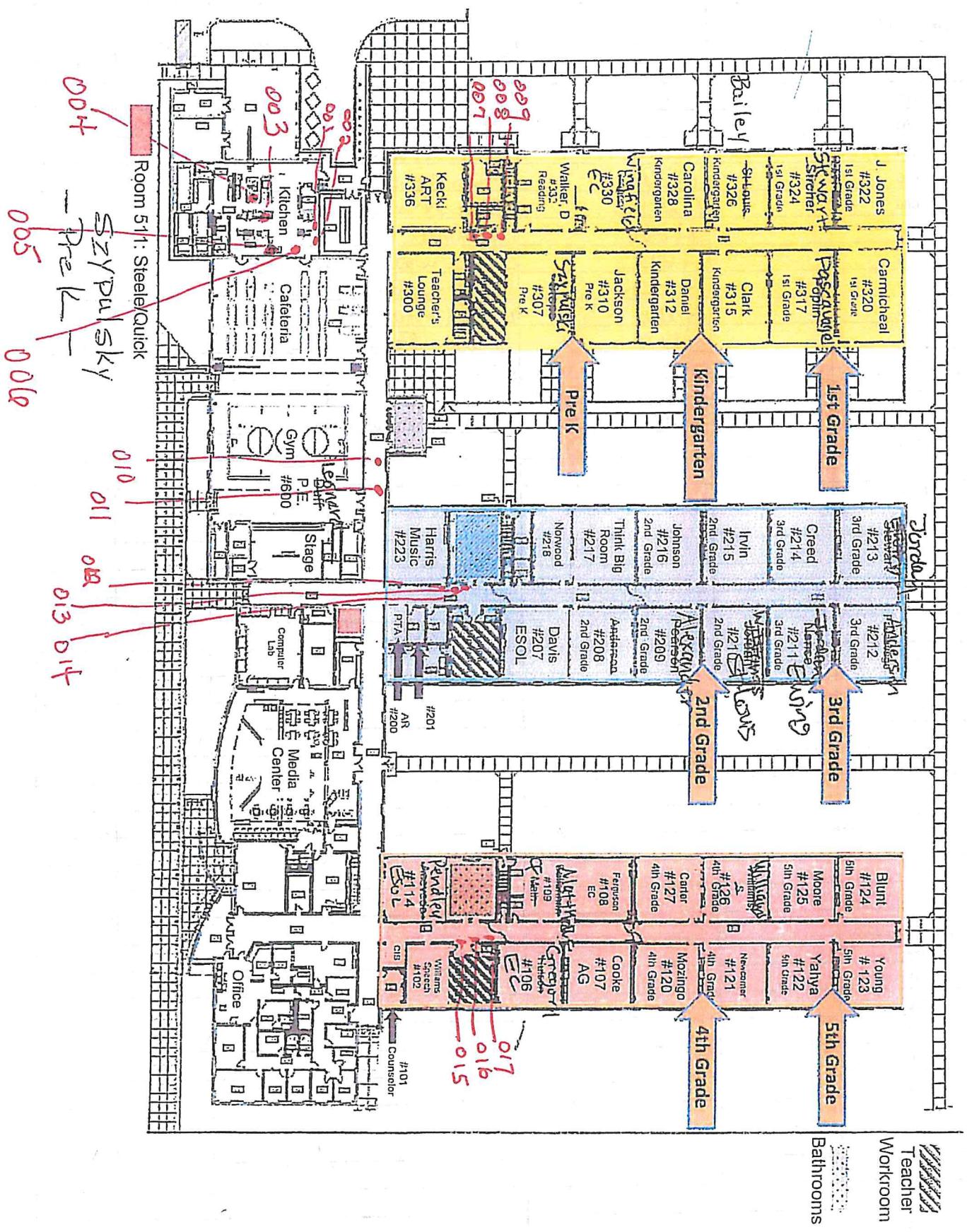
**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Union Hill Elementary**  
**High Point, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
UH-001-001-KF-P	001	2/29/2020	200.8	<2.0	0.12
UH-001-002-KF-P	002	2/29/2020		<2.0	0.068
UH-001-003-BP-P	003	2/29/2020		<2.0	0.089
UH-001-004-KF-P	004	2/29/2020		<2.0	0.070
UH-001-005-KF-P	005	2/29/2020		<2.0	0.076
UH-001-006-IM-P	006	2/29/2020		<2.0	0.0074
UH-001-007-WC-P	007	2/29/2020		<2.0	0.078
UH-001-008-WC-P	008	2/29/2020		<2.0	0.084
UH-001-009-WC-P	009	2/29/2020		<2.0	0.098
UH-001-010-WC-P	010	2/29/2020		<2.0	0.077
UH-001-011-WC-P	011	2/29/2020		<2.0	0.067
UH-001-012-WC-P	012	2/29/2020		<2.0	0.076
UH-001-013-WC-P	013	2/29/2020		<2.0	0.080
UH-001-014-WC-P	014	2/29/2020		<2.0	0.14
UH-001-015-WC-P	015	2/29/2020		<2.0	0.10
UH-001-016-WC-P	016	2/29/2020		<2.0	0.10
UH-001-017-WC-P	017	2/29/2020		<2.0	0.11
District Action Threshold <sup>(3)</sup>				10	1.3

**Notes**

- 1.) Lead results reported in parts per billion (ppb).
- 2.) Copper results reported in parts per million (ppm).
- 3.) Action threshold established by Guilford County Schools.

## **Union Hill Elementary Classroom Room Assignments**



SCHOOL: Union Hill

Angela Nance

DATE 1.21.15

SAMPLE LOCATION CODE	ROOM	LOCATION	Fixture Type	BRAND	AGE	COUNT
001		Cafe	3 Dpt. Sink LH			
002		Cafe	3 Dpt. Sink RT			
003		Cafe	Raisin Pan			
004		Cafe	Prep Sink			
005		Cafe	Prep Sink			
006		Cafe	Ice maker			
007		Hall	Left Water Fountain			
008		Hall	Center Water Fountain			
009		Hall	Right Water Fountain			
010		Hall	Water Fountain			
011		Hall	Water Fountain			
012		Hall.	Water Fountain			
013		Hall	Water Fountain			
014		Hall	Water Fountain			
015						
016						
017						
018						
019						
020						

Hart & Hickman notes based on field conditions identified during sampling:

- The GCS-provided map showed 17 sample locations but the GCS-provided list showed only 14 sample locations. All 17 locations were found and sampled.

023						
024						
025						
026						
027						
028						
029						
030						
031						
032						
033						
034						
035						
036						
037						
038						
039						
040						
041						
042						
043						
044						

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill Elementary

Lab Submittal Date: 03/02/2020  
Work Order: 0030006

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

**WAYPOINT ANALYTICAL**



Angela D. Overcash

Senior Project Manager

**Data Qualifiers Key Reference:**

BRL Below Reporting Limit

MDL Method Detection Limit

RPD Relative Percent Difference

\* Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.



## Sample Receipt Summary

03/09/2020

Work Order: 0030006

Client Sample ID	Lab Sample ID	Matrix	Date/Time Sampled	Date/Time Received
UH-001-001-KF-P	0030006-01	Drinking Water	02/29/20 7:35	03/02/20 15:40
UH-001-002-KF-P	0030006-02	Drinking Water	02/29/20 7:35	03/02/20 15:40
UH-001-003-BP-P	0030006-03	Drinking Water	02/29/20 7:40	03/02/20 15:40
UH-001-004-KF-P	0030006-04	Drinking Water	02/29/20 7:41	03/02/20 15:40
UH-001-005-KF-P	0030006-05	Drinking Water	02/29/20 7:43	03/02/20 15:40
UH-001-006-IM-P	0030006-06	Drinking Water	02/29/20 8:10	03/02/20 15:40
UH-001-007-WC-P	0030006-07	Drinking Water	02/29/20 7:49	03/02/20 15:40
UH-001-008-WC-P	0030006-08	Drinking Water	02/29/20 7:50	03/02/20 15:40
UH-001-009-WC-P	0030006-09	Drinking Water	02/29/20 7:51	03/02/20 15:40
UH-001-010-WC-P	0030006-10	Drinking Water	02/29/20 7:55	03/02/20 15:40
UH-001-011-WC-P	0030006-11	Drinking Water	02/29/20 7:56	03/02/20 15:40
UH-001-012-WC-P	0030006-12	Drinking Water	02/29/20 7:59	03/02/20 15:40
UH-001-013-WC-P	0030006-13	Drinking Water	02/29/20 8:00	03/02/20 15:40
UH-001-014-WC-P	0030006-14	Drinking Water	02/29/20 8:01	03/02/20 15:40
UH-001-015-WC-P	0030006-15	Drinking Water	02/29/20 8:04	03/02/20 15:40
UH-001-016-WC-P	0030006-16	Drinking Water	02/29/20 8:05	03/02/20 15:40
UH-001-017-WC-P	0030006-17	Drinking Water	02/29/20 8:06	03/02/20 15:40

Samples were received in good condition at 2.2 degrees C unless otherwise noted.



## Summary of Detections

03/09/2020

Work Order: 0030006

Waypoint ID	Client ID	Parameter	Method	Result	Units
0030006-01	UH-001-001-KF-P	Copper	*200.8	0.12	mg/L
0030006-02	UH-001-002-KF-P	Copper	*200.8	0.068	mg/L
0030006-03	UH-001-003-BP-P	Copper	*200.8	0.089	mg/L
0030006-04	UH-001-004-KF-P	Copper	*200.8	0.070	mg/L
0030006-05	UH-001-005-KF-P	Copper	*200.8	0.076	mg/L
0030006-06	UH-001-006-IM-P	Copper	*200.8	0.0074	mg/L
0030006-07	UH-001-007-WC-P	Copper	*200.8	0.078	mg/L
0030006-08	UH-001-008-WC-P	Copper	*200.8	0.084	mg/L
0030006-09	UH-001-009-WC-P	Copper	*200.8	0.098	mg/L
0030006-10	UH-001-010-WC-P	Copper	*200.8	0.077	mg/L
0030006-11	UH-001-011-WC-P	Copper	*200.8	0.067	mg/L
0030006-12	UH-001-012-WC-P	Copper	*200.8	0.076	mg/L
0030006-13	UH-001-013-WC-P	Copper	*200.8	0.080	mg/L
0030006-14	UH-001-014-WC-P	Copper	*200.8	0.14	mg/L
0030006-15	UH-001-015-WC-P	Copper	*200.8	0.10	mg/L
0030006-16	UH-001-016-WC-P	Copper	*200.8	0.10	mg/L
0030006-17	UH-001-017-WC-P	Copper	*200.8	0.11	mg/L

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-001-KF-P  
Sample ID: 0030006-01  
Work Order: 0030006  
Time Collected: 02/29/20 07:35  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	3/5/20 16:37	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 16:37	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-002-KF-P  
Sample ID: 0030006-02  
Work Order: 0030006  
Time Collected: 02/29/20 07:35  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.068	mg/L	0.0020	0.00094	1	*200.8	3/5/20 16:44	MMR	P0C0048
Lead		BRL	0.0020	0.00082	1	*200.8	3/5/20 16:44	MMR	P0C0048

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03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-003-BP-P  
Sample ID: 0030006-03  
Work Order: 0030006  
Time Collected: 02/29/20 07:40  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.089	mg/L	0.0020	0.00094	1	*200.8	3/5/20 16:51	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 16:51	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-004-KF-P  
Sample ID: 0030006-04  
Work Order: 0030006  
Time Collected: 02/29/20 07:41  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.070	mg/L	0.0020	0.00094	1	*200.8	3/5/20 18:36	MMR	P0C0049
Lead		BRL	0.0020	0.00082	1	*200.8	3/5/20 18:36	MMR	P0C0049

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-005-KF-P  
Sample ID: 0030006-05  
Work Order: 0030006  
Time Collected: 02/29/20 07:43  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.076	mg/L	0.0020	0.00094	1	*200.8	3/5/20 18:56	MMR	P0C0049
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 18:56	MMR	P0C0049

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03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-006-IM-P  
Sample ID: 0030006-06  
Work Order: 0030006  
Time Collected: 02/29/20 08:10  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.0074	mg/L	0.0020	0.00094	1	*200.8	3/5/20 19:02	MMR	P0C0049
Lead		BRL	0.0020	0.00082	1	*200.8	3/5/20 19:02	MMR	P0C0049

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03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-007-WC-P  
Sample ID: 0030006-07  
Work Order: 0030006  
Time Collected: 02/29/20 07:49  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.078	mg/L	0.0020	0.00094	1	*200.8	3/5/20 19:09	MMR	P0C0049
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 19:09	MMR	P0C0049

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03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-008-WC-P  
Sample ID: 0030006-08  
Work Order: 0030006  
Time Collected: 02/29/20 07:50  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.084	mg/L	0.0020	0.00094	1	*200.8	3/5/20 19:15	MMR	P0C0049
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 19:15	MMR	P0C0049

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Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-009-WC-P  
Sample ID: 0030006-09  
Work Order: 0030006  
Time Collected: 02/29/20 07:51  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.098	mg/L	0.0020	0.00094	1	*200.8	3/5/20 19:22	MMR	P0C0049
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 19:22	MMR	P0C0049

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03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-010-WC-P  
Sample ID: 0030006-10  
Work Order: 0030006  
Time Collected: 02/29/20 07:55  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.077	mg/L	0.0020	0.00094	1	*200.8	3/5/20 19:42	MMR	P0C0049
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 19:42	MMR	P0C0049

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03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-011-WC-P  
Sample ID: 0030006-11  
Work Order: 0030006  
Time Collected: 02/29/20 07:56  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.067	mg/L	0.0020	0.00094	1	*200.8	3/5/20 19:49	MMR	P0C0049
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 19:49	MMR	P0C0049

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-012-WC-P  
Sample ID: 0030006-12  
Work Order: 0030006  
Time Collected: 02/29/20 07:59  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.076	mg/L	0.0020	0.00094	1	*200.8	3/5/20 19:55	MMR	P0C0049
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 19:55	MMR	P0C0049

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-013-WC-P  
Sample ID: 0030006-13  
Work Order: 0030006  
Time Collected: 02/29/20 08:00  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.080	mg/L	0.0020	0.00094	1	*200.8	3/5/20 20:02	MMR	P0C0049
Lead		BRL	0.0020	0.00082	1	*200.8	3/5/20 20:02	MMR	P0C0049

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-014-WC-P  
Sample ID: 0030006-14  
Work Order: 0030006  
Time Collected: 02/29/20 08:01  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.14	mg/L	0.0020	0.00094	1	*200.8	3/5/20 20:08	MMR	P0C0049
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 20:08	MMR	P0C0049

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-015-WC-P  
Sample ID: 0030006-15  
Work Order: 0030006  
Time Collected: 02/29/20 08:04  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.10	mg/L	0.0020	0.00094	1	*200.8	3/5/20 20:21	MMR	P0C0049
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 20:21	MMR	P0C0049

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-016-WC-P  
Sample ID: 0030006-16  
Work Order: 0030006  
Time Collected: 02/29/20 08:05  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.10	mg/L	0.0020	0.00094	1	*200.8	3/5/20 20:28	MMR	P0C0049
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 20:28	MMR	P0C0049

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Union Hill  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: UH-001-017-WC-P  
Sample ID: 0030006-17  
Work Order: 0030006  
Time Collected: 02/29/20 08:06  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	3/5/20 20:35	MMR	P0C0049
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 20:35	MMR	P0C0049

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409



Hart & Hickman (Charlotte)  
 Attn: Christine Schaefer  
 2923 South Tryon St. Ste 100  
 Charlotte, NC 28203

Project: GCS-001 - Union Hill Elementary

Work Order: 0030006

Time Submitted: 3/2/2020 3:40:00PM

**Total Metals - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Limit Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-------------

**Batch P0C0048 - 200.8**

<b>Blank (P0C0048-BLK1)</b>				Prepared: 03/03/20 Analyzed: 03/05/20				
Copper	BRL	0.0020	mg/L					
Lead	BRL	0.0020	mg/L					
<b>LCS (P0C0048-BS1)</b>				Prepared: 03/03/20 Analyzed: 03/05/20				
Copper	0.100	0.0020	mg/L	0.1000	100	85-115		
Lead	0.0980	0.0020	mg/L	0.1000	98	85-115		

**Batch P0C0049 - 200.8**

<b>Blank (P0C0049-BLK1)</b>				Prepared: 03/03/20 Analyzed: 03/05/20				
Copper	BRL	0.0020	mg/L					
Lead	BRL	0.0020	mg/L					
<b>LCS (P0C0049-BS1)</b>				Prepared: 03/03/20 Analyzed: 03/05/20				
Copper	0.105	0.0020	mg/L	0.1000	105	85-115		
Lead	0.0977	0.0020	mg/L	0.1000	98	85-115		
<b>Matrix Spike (P0C0049-MS1)</b>				<b>Source: 0030006-04</b>	Prepared: 03/03/20 Analyzed: 03/05/20			
Copper	0.176	0.0020	mg/L	0.1000	0.0697	106	70-130	
Lead	0.100	0.0020	mg/L	0.1000	BRL	100	70-130	
<b>Matrix Spike (P0C0049-MS2)</b>				<b>Source: 0030006-14</b>	Prepared: 03/03/20 Analyzed: 03/05/20			
Copper	0.233	0.0020	mg/L	0.1000	0.138	96	70-130	
Lead	0.0946	0.0020	mg/L	0.1000	BRL	95	70-130	
<b>Matrix Spike Dup (P0C0049-MSD1)</b>				<b>Source: 0030006-04</b>	Prepared: 03/03/20 Analyzed: 03/05/20			
Copper	0.166	0.0020	mg/L	0.1000	0.0697	96	70-130	6
Lead	0.0951	0.0020	mg/L	0.1000	BRL	95	70-130	5
								10

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### Sample Extraction Data

Prep Method: 200.8

Lab Number	Batch	Initial	Final	Date/Time
0030006-01	POC0048	50 mL	50 mL	03/03/20 11:27
0030006-02	POC0048	50 mL	50 mL	03/03/20 11:27
0030006-03	POC0048	50 mL	50 mL	03/03/20 11:27
0030006-04	POC0049	50 mL	50 mL	03/03/20 11:25
0030006-05	POC0049	50 mL	50 mL	03/03/20 11:25
0030006-06	POC0049	50 mL	50 mL	03/03/20 11:25
0030006-07	POC0049	50 mL	50 mL	03/03/20 11:25
0030006-08	POC0049	50 mL	50 mL	03/03/20 11:25
0030006-09	POC0049	50 mL	50 mL	03/03/20 11:25
0030006-10	POC0049	50 mL	50 mL	03/03/20 11:25
0030006-11	POC0049	50 mL	50 mL	03/03/20 11:25
0030006-12	POC0049	50 mL	50 mL	03/03/20 11:25
0030006-13	POC0049	50 mL	50 mL	03/03/20 11:25
0030006-14	POC0049	50 mL	50 mL	03/03/20 11:25
0030006-15	POC0049	50 mL	50 mL	03/03/20 11:25
0030006-16	POC0049	50 mL	50 mL	03/03/20 11:25
0030006-17	POC0049	50 mL	50 mL	03/03/20 11:25

Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543  
Phone: 704/529-6364 • Fax: 704/525-0409

Client Company Name: H&H

Report To/Contact Name: Christina Schaefer

Reporting Address: 2923 S. Tryon Street  
Charlotte, NC 28203

Phone: 704-586-0000 Fax (Yes) (No):

Email (Yes) (No): Email Address: C.Schaefer@hathaway.com

EDD Type: PDF  Excel  Other

Site Location Name: Union Hill Elementary

Site Location Physical Address: Greensboro, NC

Purchase Order No./Billing Reference: GCS-001  
Requestable Date: 1 Day 2 Days 3 Days 4 Days 5 Days  
"Working Days": 6-9 Days Standard 10 days  
Turnaround time is based on business days, excluding weekends and holidays.  
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL  
Certification: NELAC  USACE  FL  NC ✓  
SC  OTHER  N/A  
Water Chlorinated: YES  NO   
Sample Iced Upon Collection: YES  NO

LAB USE ONLY		YES	NO	N/A
Samples INTACT upon arrival?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received ON WET ICE? Temp		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER PRESERVATIVES indicated?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Received WITHIN HOLDING TIMES?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUSTODY SEALS INTACT?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VOLATILES read w/out HEADSPACE?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROPER CONTAINERS used?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## CHAIN OF CUSTODY RECORD

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING:

Project Name: GCS-001 Union Hill Elementary

Short Hold Analysis: (Yes) (No) UST Project: (Yes) (No)

\*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements

Invoice To: Accounts payable @ hathaway.com

Address:

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	'TYPE SEE BELOW	SAMPLE CONTAINER NO.	SIZE	PRESERVA- TIVES	C & Pb 200:8	ANALYSES REQUESTED		REMARKS	PRISM LAB ID NO.
									Cr	As		
UH-001-001-KF-P	2/29/20	735	Water	P	1	125	HNO3	✓				01
UH-001-002-KF-P	735	Water	P	1	125	HNO3	✓					02
UH-001-003-BP-P	740	Water	P	1	125	HNO3	✓					03
UH-001-004-KF-P	741	Water	P	1	125	HNO3	✓					04
UH-001-005-KF-P	743	Water	P	1	125	HNO3	✓					05
UH-001-006-WG-P	740	Water	P	1	125	HNO3	✓					06
UH-001-007-WC-P	749	Water	P	1	125	HNO3	✓					07
UH-001-008-WC-P	750	Water	P	1	125	HNO3	✓					08
UH-001-009-WC-P	751	Water	P	1	125	HNO3	✓					09
UH-001-010-WC-P	755	Water	P	1	125	HNO3	✓					10

Sampler's Signature: D. Gentilcore

Sampled By (Print Name): D. Gentilcore Affiliation: H&H  
Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)

Received By: (Signature)

Received For: Prism Laboratories By:

Additional Comments:

### PRESS DOWN FIRMLY - 3 COPIES

#### PRISM USE ONLY

Site Arrival Time:  
Site Departure Time:

Field Tech Fee:

Mileage:

Method of Shipment: NOTE ALL SAMPLE CONTAINERS SHOULD BE TAPE SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY.  
SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

NPDES: UST: GROUNDWATER: DRINKING WATER: SOLID WASTE: RCRA: CERCLA LANDFILL OTHER:  
- NC - SC NC - SC - NC - SC

Fed Ex UPS Hand-delivered Prism Field Service Other

SEE REVERSE FOR  
TERMS & CONDITIONS

\*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

10-1-14  
2-1



**APPENDIX F**  
**GUILFORD ELEMENTARY RESULTS**

School Name: Guilford Elementary	Report Date(s): 5/24/2021	
Date Test Conducted: 2/29/2020	Date Results Received: 3/9/2020	
Number of Faucets Tested: 17		
<b>Lead Results</b>	<b>Copper Results</b>	
Results 15 ppb and above: 1	Results 1.3 ppm and above: 0	
Results 10 ppb to below 15 ppb: 0	Detectable results below 1.3 ppm: 16	
Detectable results below 10 ppb: 0	Results below detection level: 1	
Results below detection level: 16		
<b>Number of Faucets Requiring Remedial Action: 1</b>		
Location of Faucet	Action Taken	Date:
Sample ID: GIL-001-002-BP-P  Location Description: GIL-001-002-BP-P: braising pan in the kitchen	<input checked="" type="checkbox"/> Temporarily taken out of service: <input type="checkbox"/> Permanently taken out of service: <input checked="" type="checkbox"/> Flush tested: Flush test result: no exceedances <input checked="" type="checkbox"/> Replaced: <input checked="" type="checkbox"/> Retest: Retest result: no exceedances Other: _____ <input checked="" type="checkbox"/> Placed back in service on: 	3/10/2020 3/14/20*, 4/24/21* 2/24/21*, 5/12/21* 4/10/21*, 5/15/21* 5/24/2021 * Faucet on braising pan was initially replaced 2/24/21. Subsequent 4/10/21 sampling indicated exceedances in the first-draw sample, but not the flush sample. The shut-off valve, fittings, and supply line were then replaced on 5/12/21. First-draw samples collected after the second replacement event indicated no exceedances.
<b>Daily School-Wide Flushing:</b>		
<input type="checkbox"/> Continue with protocol <input checked="" type="checkbox"/> Discontinue flushing protocol (date): 5/24/21 <input type="checkbox"/> Other (Describe: )		
This is a summary report prepared by Hart & Hickman, PC (H&H). H&H suggests that the full report be referred to with regard to findings, recommendations, and technical limitations for this sampling event.		

**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Guilford Elementary**  
**Greensboro, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
GIL-001-001-KF-P	001	2/29/2020	200.8	<2.0	0.054
GIL-001-002-BP-P	002	2/29/2020		<b>15</b>	0.17
GIL-001-003-KF-P	003	2/29/2020		<2.0	0.10
GIL-001-004-KF-P	004	2/29/2020		<2.0	0.090
GIL-001-005-KF-P	005	2/29/2020		<2.0	0.083
GIL-001-006-IM-P	006	2/29/2020		<2.0	<0.0020
GIL-001-007-WC-P	007	2/29/2020		<2.0	0.078
GIL-001-008-WC-P	008	2/29/2020		<2.0	0.058
GIL-001-009-WC-P	009	2/29/2020		<2.0	0.064
GIL-001-010-WC-P	010	2/29/2020		<2.0	0.071
GIL-001-011-WC-P	011	2/29/2020		<2.0	0.071
GIL-001-012-WC-P	012	2/29/2020		<2.0	0.086
GIL-001-013-WC-P	013	2/29/2020		<2.0	0.079
GIL-001-014-WC-P	014	2/29/2020		<2.0	0.082
GIL-001-015-WC-P	015	2/29/2020		<2.0	0.10
GIL-001-016-WC-P	016	2/29/2020		<2.0	0.11
GIL-001-017-WC-P	017	2/29/2020		<2.0	0.10
District Action Threshold <sup>(3)</sup>				10	1.3

**Notes**

- 1.) Lead results reported in parts per billion (ppb).
  - 2.) Copper results reported in parts per million (ppm).
  - 3.) Action threshold established by Guilford County Schools.
- Concentrations in bold exceed the action threshold established by Guilford County Schools.

**Table 2**  
**Summary of Flush Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Guilford Elementary**  
**Greensboro, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method		
				Lead	Copper
GIL-001-002A-BP-F	002	3/14/2020	200.8	2.1	0.13
District Action Threshold <sup>(3)</sup>				10	1.3

**Notes**

- 1.) Lead results reported in parts per billion (ppb).
- 2.) Copper results reported in parts per million (ppm).
- 3.) Action threshold established by Guilford County Schools.

**Table 3**  
**Summary of Subsequent First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Guilford Elementary**  
**Greensboro, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method		
				Lead	Copper
GIL-001-002B-BP-P	002	4/10/2021	200.8	<b>32.5</b>	0.228
District Action Threshold <sup>(3)</sup>				10	1.3

**Notes**

- 1.) Lead results reported in parts per billion (ppb).
  - 2.) Copper results reported in parts per million (ppm).
  - 3.) Action threshold established by Guilford County Schools.
- Concentrations in bold exceed the action threshold established by Guilford County Schools.

**Table 4**  
**Summary of Subsequent Flush Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Guilford Elementary**  
**Greensboro, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
GIL-001-002C-BP-F	002	4/24/2021	200.8	<1.0	0.0647
District Action Threshold <sup>(3)</sup>				10	1.3

**Notes**

- 1.) Lead results reported in parts per billion (ppb).
- 2.) Copper results reported in parts per million (ppm).
- 3.) Action threshold established by Guilford County Schools.

**Table 5**  
**Summary of Subsequent First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Guilford Elementary**  
**Greensboro, North Carolina**  
**H&H Job No. GCS-001**

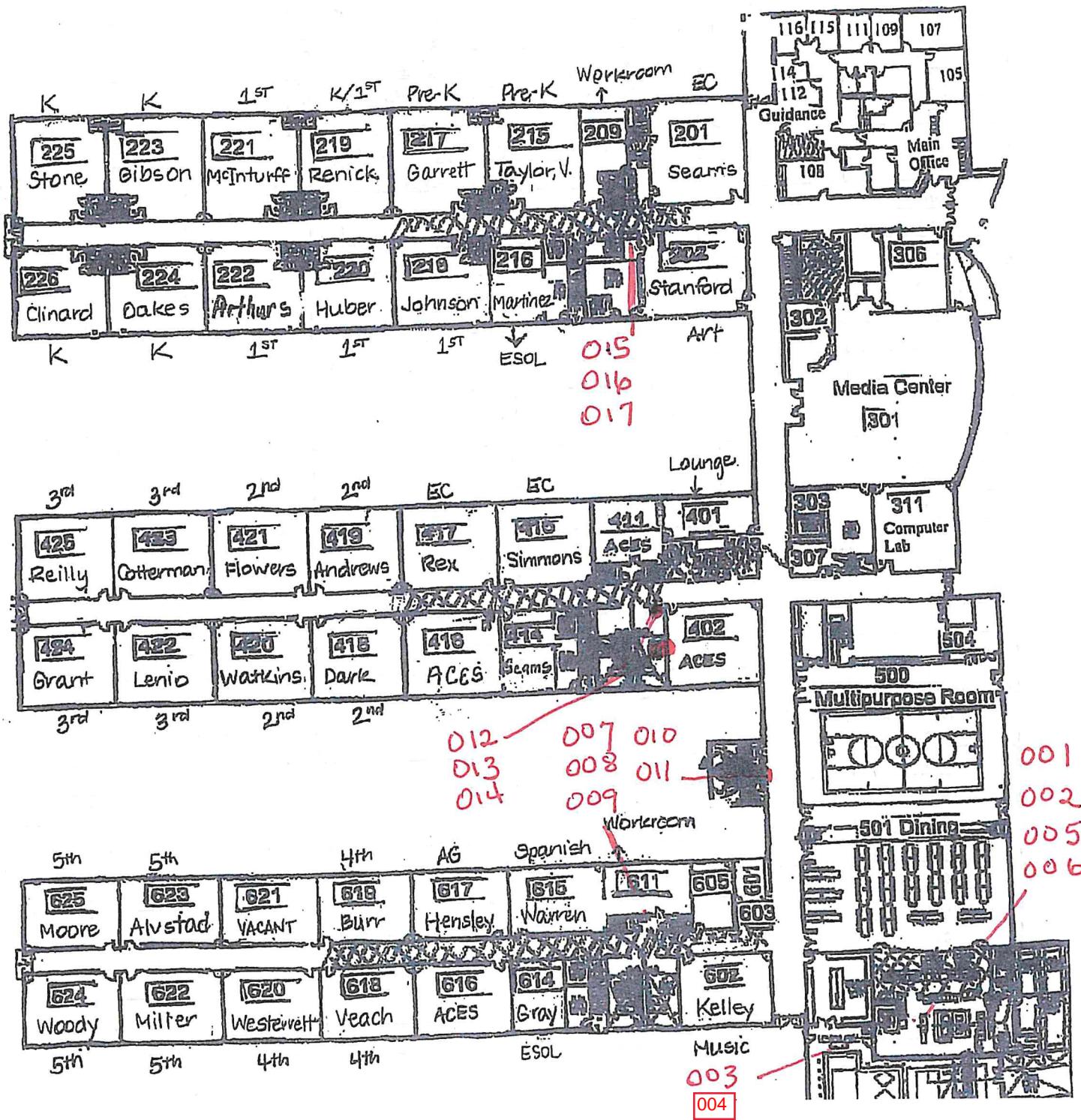
Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
GIL-001-002D-BP-SS1	002	5/15/2021	200.8	4.6	0.0526
District Action Threshold <sup>(3)</sup>				10	1.3

**Notes**

- 1.) Lead results reported in parts per billion (ppb).
- 2.) Copper results reported in parts per million (ppm).
- 3.) Action threshold established by Guilford County Schools.

1-13-20

# GUILFORD ELEMENTARY SCHOOL MAP



15 raising

SCHOOL: Guilford Elementary      Angle Maire      DATE: 1-

<u>SAMPLE LOCATION</u>	<u>ROOM</u>	<u>LOCATION</u>	<u>Fixture Type</u>	<u>BRAND</u>	<u>AGE</u>	<u>COUNT</u>
001	<del>Cafe</del>	Cafe	1 Dept/Drainage			
002		Caf.	Basin Pan			
003		Caf.	3 Dept Sink LH			
004		Cafe	3 Dept Sink RH			
005		Cafe	Food Prep. / Dept.			
006		Cafe	Toaster Beside Food Prep.			
007	600 Hall		LH Water Fountain			
008	100 Hall		Center Water Fountain			
009	100 Hall		RH Water Fountain			
010	Main Hall		LH Water Fountain			
011	North Hall		RH Water Fountain			
012	400 Hall		LH Water Fountain			
013	400 Hall		Center Water Fountain			
014	400 Hall		RH Water Fountain			
015	200 Hall Beside 210		LH Water Fountain			
016	200 Hall Beside 210		Center Water Fountain			
017	200 Hall Beside 210		RH Water Fountain			
018						
019						
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Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford Elementary

Lab Submittal Date: 03/02/2020  
Work Order: 0030004

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

**WAYPOINT ANALYTICAL**



Angela D. Overcash

Senior Project Manager

**Data Qualifiers Key Reference:**

BRL Below Reporting Limit

MDL Method Detection Limit

RPD Relative Percent Difference

\* Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.



## Sample Receipt Summary

03/09/2020

Work Order: 0030004

Client Sample ID	Lab Sample ID	Matrix	Date/Time Sampled	Date/Time Received
GIL-001-001-KF-P	0030004-01	Drinking Water	02/29/20 8:45	03/02/20 15:40
GIL-001-002-BP-P	0030004-02	Drinking Water	02/29/20 8:46	03/02/20 15:40
GIL-001-003-KF-P	0030004-03	Drinking Water	02/29/20 8:50	03/02/20 15:40
GIL-001-004-KF-P	0030004-04	Drinking Water	02/29/20 8:51	03/02/20 15:40
GIL-001-005-KF-P	0030004-05	Drinking Water	02/29/20 8:53	03/02/20 15:40
GIL-001-006-IM-P	0030004-06	Drinking Water	02/29/20 9:15	03/02/20 15:40
GIL-001-007-WC-P	0030004-07	Drinking Water	02/29/20 8:56	03/02/20 15:40
GIL-001-008-WC-P	0030004-08	Drinking Water	02/29/20 8:57	03/02/20 15:40
GIL-001-009-WC-P	0030004-09	Drinking Water	02/29/20 8:58	03/02/20 15:40
GIL-001-010-WC-P	0030004-10	Drinking Water	02/29/20 9:01	03/02/20 15:40
GIL-001-011-WC-P	0030004-11	Drinking Water	02/29/20 9:02	03/02/20 15:40
GIL-001-012-WC-P	0030004-12	Drinking Water	02/29/20 9:04	03/02/20 15:40
GIL-001-013-WC-P	0030004-13	Drinking Water	02/29/20 9:05	03/02/20 15:40
GIL-001-014-WC-P	0030004-14	Drinking Water	02/29/20 9:06	03/02/20 15:40
GIL-001-015-WC-P	0030004-15	Drinking Water	02/29/20 9:11	03/02/20 15:40
GIL-001-016-WC-P	0030004-16	Drinking Water	02/29/20 9:12	03/02/20 15:40
GIL-001-017-WC-P	0030004-17	Drinking Water	02/29/20 9:13	03/02/20 15:40

Samples were received in good condition at 2.2 degrees C unless otherwise noted.



## Summary of Detections

03/09/2020

Work Order: 0030004

Waypoint ID	Client ID	Parameter	Method	Result	Units
0030004-01	GIL-001-001-KF-P	Copper	*200.8	0.054	mg/L
0030004-02	GIL-001-002-BP-P	Copper	*200.8	0.17	mg/L
0030004-02	GIL-001-002-BP-P	Lead	*200.8	0.015	mg/L
0030004-03	GIL-001-003-KF-P	Copper	*200.8	0.10	mg/L
0030004-04	GIL-001-004-KF-P	Copper	*200.8	0.090	mg/L
0030004-05	GIL-001-005-KF-P	Copper	*200.8	0.083	mg/L
0030004-07	GIL-001-007-WC-P	Copper	*200.8	0.078	mg/L
0030004-08	GIL-001-008-WC-P	Copper	*200.8	0.058	mg/L
0030004-09	GIL-001-009-WC-P	Copper	*200.8	0.064	mg/L
0030004-10	GIL-001-010-WC-P	Copper	*200.8	0.071	mg/L
0030004-11	GIL-001-011-WC-P	Copper	*200.8	0.071	mg/L
0030004-12	GIL-001-012-WC-P	Copper	*200.8	0.086	mg/L
0030004-13	GIL-001-013-WC-P	Copper	*200.8	0.079	mg/L
0030004-14	GIL-001-014-WC-P	Copper	*200.8	0.082	mg/L
0030004-15	GIL-001-015-WC-P	Copper	*200.8	0.10	mg/L
0030004-16	GIL-001-016-WC-P	Copper	*200.8	0.11	mg/L
0030004-17	GIL-001-017-WC-P	Copper	*200.8	0.10	mg/L

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409



# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-001-KF-P  
Sample ID: 0030004-01  
Work Order: 0030004  
Time Collected: 02/29/20 08:45  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.054	mg/L	0.0020	0.00094	1	*200.8	3/5/20 13:59	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 13:59	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-002-BP-P  
Sample ID: 0030004-02  
Work Order: 0030004  
Time Collected: 02/29/20 08:46  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.17	mg/L	0.0020	0.00094	1	*200.8	3/5/20 14:19	MMR	P0C0048
Lead	0.015	mg/L	0.0020	0.00082	1	*200.8	3/5/20 14:19	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-003-KF-P  
Sample ID: 0030004-03  
Work Order: 0030004  
Time Collected: 02/29/20 08:50  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.10	mg/L	0.0020	0.00094	1	*200.8	3/5/20 14:25	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 14:25	MMR	P0C0048

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543

Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409



# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-004-KF-P  
Sample ID: 0030004-04  
Work Order: 0030004  
Time Collected: 02/29/20 08:51  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.090	mg/L	0.0020	0.00094	1	*200.8	3/5/20 14:32	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 14:32	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-005-KF-P  
Sample ID: 0030004-05  
Work Order: 0030004  
Time Collected: 02/29/20 08:53  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.083	mg/L	0.0020	0.00094	1	*200.8	3/5/20 14:38	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 14:38	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-006-IM-P  
Sample ID: 0030004-06  
Work Order: 0030004  
Time Collected: 02/29/20 09:15  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	BRL	mg/L	0.0020	0.00094	1	*200.8	3/5/20 14:45	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 14:45	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-007-WC-P  
Sample ID: 0030004-07  
Work Order: 0030004  
Time Collected: 02/29/20 08:56  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.078	mg/L	0.0020	0.00094	1	*200.8	3/5/20 15:05	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 15:05	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-008-WC-P  
Sample ID: 0030004-08  
Work Order: 0030004  
Time Collected: 02/29/20 08:57  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.058	mg/L	0.0020	0.00094	1	*200.8	3/5/20 15:11	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 15:11	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-009-WC-P  
Sample ID: 0030004-09  
Work Order: 0030004  
Time Collected: 02/29/20 08:58  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.064	mg/L	0.0020	0.00094	1	*200.8	3/5/20 15:18	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 15:18	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-010-WC-P  
Sample ID: 0030004-10  
Work Order: 0030004  
Time Collected: 02/29/20 09:01  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.071	mg/L	0.0020	0.00094	1	*200.8	3/5/20 15:25	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 15:25	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-011-WC-P  
Sample ID: 0030004-11  
Work Order: 0030004  
Time Collected: 02/29/20 09:02  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.071	mg/L	0.0020	0.00094	1	*200.8	3/5/20 15:31	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 15:31	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-012-WC-P  
Sample ID: 0030004-12  
Work Order: 0030004  
Time Collected: 02/29/20 09:04  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.086	mg/L	0.0020	0.00094	1	*200.8	3/5/20 15:58	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 15:58	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-013-WC-P  
Sample ID: 0030004-13  
Work Order: 0030004  
Time Collected: 02/29/20 09:05  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.079	mg/L	0.0020	0.00094	1	*200.8	3/5/20 16:04	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 16:04	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-014-WC-P  
Sample ID: 0030004-14  
Work Order: 0030004  
Time Collected: 02/29/20 09:06  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.082	mg/L	0.0020	0.00094	1	*200.8	3/5/20 16:11	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 16:11	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-015-WC-P  
Sample ID: 0030004-15  
Work Order: 0030004  
Time Collected: 02/29/20 09:11  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.10	mg/L	0.0020	0.00094	1	*200.8	3/5/20 16:18	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 16:18	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-016-WC-P  
Sample ID: 0030004-16  
Work Order: 0030004  
Time Collected: 02/29/20 09:12  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	3/5/20 16:24	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 16:24	MMR	P0C0048

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# Laboratory Report

03/09/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-017-WC-P  
Sample ID: 0030004-17  
Work Order: 0030004  
Time Collected: 02/29/20 09:13  
Time Submitted: 03/02/20 15:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.10	mg/L	0.0020	0.00094	1	*200.8	3/5/20 16:31	MMR	P0C0048
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 16:31	MMR	P0C0048

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Hart & Hickman (Charlotte)  
 Attn: Christine Schaefer  
 2923 South Tryon St. Ste 100  
 Charlotte, NC 28203

Project: GCS-001 - Guilford Elementary

Work Order: 0030004

Time Submitted: 3/2/2020 3:40:00PM

**Total Metals - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-------

**Batch P0C0048 - 200.8**

<b>Blank (P0C0048-BLK1)</b>				Prepared: 03/03/20 Analyzed: 03/05/20					
Copper	BRL	0.0020	mg/L						
Lead	BRL	0.0020	mg/L						
<b>LCS (P0C0048-BS1)</b>				Prepared: 03/03/20 Analyzed: 03/05/20					
Copper	0.100	0.0020	mg/L	0.1000	100	85-115			
Lead	0.0980	0.0020	mg/L	0.1000	98	85-115			
<b>Matrix Spike (P0C0048-MS1)</b>				<b>Source: 0030004-01</b>	Prepared: 03/03/20 Analyzed: 03/05/20				
Copper	0.152	0.0020	mg/L	0.1000	0.0541	98	70-130		
Lead	0.0966	0.0020	mg/L	0.1000	BRL	97	70-130		
<b>Matrix Spike (P0C0048-MS2)</b>				<b>Source: 0030004-11</b>	Prepared: 03/03/20 Analyzed: 03/05/20				
Copper	0.172	0.0020	mg/L	0.1000	0.0714	101	70-130		
Lead	0.0955	0.0020	mg/L	0.1000	BRL	95	70-130		
<b>Matrix Spike Dup (P0C0048-MSD1)</b>				<b>Source: 0030004-01</b>	Prepared: 03/03/20 Analyzed: 03/05/20				
Copper	0.157	0.0020	mg/L	0.1000	0.0541	103	70-130	4	10
Lead	0.100	0.0020	mg/L	0.1000	BRL	100	70-130	4	10

**Sample Extraction Data****Prep Method: 200.8**

Lab Number	Batch	Initial	Final	Date/Time
0030004-01	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-02	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-03	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-04	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-05	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-06	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-07	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-08	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-09	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-10	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-11	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-12	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-13	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-14	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-15	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-16	P0C0048	50 mL	50 mL	03/03/20 11:27
0030004-17	P0C0048	50 mL	50 mL	03/03/20 11:27

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# PRISM

LABORATORIES, INC.

Full Service Analytical & Environmental Solutions

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543  
Phone: 704/529-6364 • Fax: 704/525-0409

Client Company Name: H&H

Report To/Contact Name: Christina Schaefer

Reporting Address:

Phone: \_\_\_\_\_ Fax (Yes) (No): \_\_\_\_\_

Email (Y s) (No) Email Address: \_\_\_\_\_

EDD Type:  PDF  Excel  Other

Site Location Name: \_\_\_\_\_

Site Location Physical Address: \_\_\_\_\_

PAGE <u>2</u> OF <u>2</u> QUOTE # TO ENSURE PROPER BILLING:	
Project Name: GCS-001 Guilford Elementary	
Short Hold Analysis: <input checked="" type="checkbox"/> (Yes) <input type="checkbox"/> (No) UST Project: <input checked="" type="checkbox"/> (Yes) <input type="checkbox"/> (No)	
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements	
Invoice To: _____	
Address: _____	

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL	
Certification:	NELAC <input type="checkbox"/> USACE <input type="checkbox"/> FL <input type="checkbox"/> NC <input checked="" type="checkbox"/> N/A
SC	OTHER
Water Chlorinated: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
Sample Iced Upon Collection: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
ANALYSES REQUESTED	
REMARKS	
PRISM LAB ID NO.	

Purchase Order No./Billing Reference _____	
Requested Due Date 1 Day 2 Days 3 Days 4 Days 5 Days	
"Working Days" 6-9 Days Standard 10 Days	
Samples received after 15:00 will be processed next business day.	
Turnaround time is based on business days, excluding weekends and holidays.	
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)	

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER			PRESERVA-TIVES	C & Pb 200:8	ANALYSES REQUESTED	REMARKS	PRISM LAB ID NO.
				*TYPE SEE BELOW	NO.	SIZE					
GIL-001-011-WC-P	2/29/20	902	Water	P	1	125	HNO3	✓	/ / / / / / / / / / / /	11	
GIL-001-012-WC-P	9/4	904	Water	P	1	125	HNO3	✓	/ / / / / / / / / / / /	12	
GIL-001-013-WC-P	9/5	905	Water	P	1	125	HNO3	✓	/ / / / / / / / / / / /	13	
GIL-001-014-WC-P	9/6	906	Water	P	1	125	HNO3	✓	/ / / / / / / / / / / /	14	
GIL-001-015-WC-P	9/11	912	Water	P	1	125	HNO3	✓	/ / / / / / / / / / / /	15	
GIL-001-016-WC-P	9/12	913	Water	P	1	125	HNO3	✓	/ / / / / / / / / / / /	16	
GIL-001-017-WC-P	9/13	913	Water	P	1	125	HNO3	✓	/ / / / / / / / / / / /	17	
			Water	P	1	125	HNO3	✓	/ / / / / / / / / / / /		
			Water	P	1	125	HNO3	✓	/ / / / / / / / / / / /		
			Water	P	1	125	HNO3	✓	/ / / / / / / / / / / /		

Sampler's Signature \_\_\_\_\_

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature) \_\_\_\_\_

Received By: (Signature) \_\_\_\_\_

Date: 3-2-20 Military/Hours: 12:09

Additional Comments:

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage:

## PRESS DOWN FIRMLY - 3 COPIES

### PRISM USE ONLY

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage:

Method of Shipment: NOTE: ALL SAMPLE CLOSURES SHOULD BE TAPE SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

Fed Ex UPS Hand-delivered Prism Field Service Other

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
- NC	- SC	- NC	- NC	- NC	- NC	- NC	- NC	- NC

\*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

10-1-14 2.2

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford Elementary

Lab Submittal Date: 03/17/2020  
Work Order: 0030247

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

**WAYPOINT ANALYTICAL**



Angela D. Overcash

Senior Project Manager

**Data Qualifiers Key Reference:**

BRL Below Reporting Limit

MDL Method Detection Limit

RPD Relative Percent Difference

\* Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.



## Sample Receipt Summary

03/24/2020

Work Order: 0030247

Client Sample ID	Lab Sample ID	Matrix	Date/Time Sampled	Date/Time Received
GIL-001-002A-BP-F	0030247-01	Drinking Water	03/14/20 7:48	03/17/20 16:00

Samples were received in good condition at 2.1 degrees C unless otherwise noted.



## Summary of Detections

03/24/2020

Work Order: 0030247

Waypoint ID	Client ID	Parameter	Method	Result	Units
0030247-01	GIL-001-002A-BP-F	Copper	*200.8	0.13	mg/L
0030247-01	GIL-001-002A-BP-F	Lead	*200.8	0.0021	mg/L

---

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409



# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: GIL-001-002A-BP-F  
Sample ID: 0030247-01  
Work Order: 0030247  
Time Collected: 03/14/20 07:48  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	3/19/20 16:32	MMR	P0C0379
Lead	0.0021	mg/L	0.0020	0.00082	1	*200.8	3/19/20 16:32	MMR	P0C0379

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409



Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Guilford Elementary

Work Order: 0030247

Time Submitted: 3/17/2020 4:00:00PM

**Total Metals - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Notes
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**Batch P0C0379 - 200.8****Blank (P0C0379-BLK1)**

Copper	BRL	0.0020	mg/L
Lead	BRL	0.0020	mg/L

Prepared &amp; Analyzed: 03/19/20

**LCS (P0C0379-BS1)**

Copper	0.101	0.0020	mg/L	0.1000	101	85-115
Lead	0.100	0.0020	mg/L	0.1000	100	85-115

**Sample Extraction Data****Prep Method: 200.8**

Lab Number	Batch	Initial	Final	Date/Time
0030247-01	P0C0379	50 mL	50 mL	03/19/20 11:06



4/16/2021

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC, 28203

Ref: Analytical Testing  
Lab Report Number: 21-102-0018  
Client Project Description: Guilford Elementary

Dear Christine Schaefer:

Waypoint Analytical, LLC (Charlotte) received sample(s) on 4/12/2021 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 were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) unless otherwise indicated.

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,



Angela D Overcash  
Senior 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.*



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Main 704.529.6364  
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## Certification Summary

**Laboratory ID: WP CNC: Waypoint Analytical Carolina, Inc. (C), Charlotte, NC**

State	Program	Lab ID	Expiration Date
North Carolina	State Program	37735	07/31/2021
North Carolina	State Program	402	12/31/2021
South Carolina	State Program	99012	07/31/2021
South Carolina	State Program	99012	12/31/2020



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**Sample Summary Table**

**Report Number:** 21-102-0018

**Client Project Description:** Guilford Elementary

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
96528	GIL-001-002B-BP-P	Aqueous	04/10/2021 09:50	04/12/2021



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**Summary of Detected Analytes**

**Project:** Guilford Elementary

**Report Number:** 21-102-0018

Client Sample ID	Lab Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
GIL-001-002B-BP-P	V 96528					
200.8	Copper	0.228	mg/L	0.0020	04/15/2021 23:25	
200.8	Lead	0.0325	mg/L	0.0020	04/15/2021 23:25	



01102

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte , NC 28203

Project Guilford Elementary

Information :

449 Springbrook Rd, Charlotte, NC 28217

Main 704.529.6364

www.waypointanalytical.com

Report Date : 04/16/2021

Received : 04/12/2021

Report Number : **21-102-0018****REPORT OF ANALYSIS**Lab No : **96528**Matrix: **Aqueous**Sample ID : **GIL-001-002B-BP-P**Sampled: **4/10/2021 9:50**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	<b>0.228</b>	mg/L	0.0020	1	04/15/21 23:25	MMR	200.8
Lead	<b>0.0325</b>	mg/L	0.0020	1	04/15/21 23:25	MMR	200.8

<b>Qualifiers/ Definitions</b>	DF	Dilution Factor	L	Limit Exceeded
	MQL	Method Quantitation Limit		

## Quality Control Data

**Client ID:** Hart & Hickman (Charlotte)

**Project Description:** Guilford Elementary

**Report No:** 21-102-0018

<b>QC Prep:</b>	V3002	<b>QC Analytical Batch(es):</b>	V3139
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<b>QC Prep Batch Method:</b>	200.8 (PREP)	<b>Analysis Method:</b>	200.8
		<b>Analysis Description:</b>	Metals Analyses

<b>Lab Reagent Blank</b>	LRB-V3002	Matrix: AQU
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Associated Lab Samples: 96528

Parameter	Units	Blank Result	MQL	Analyzed
Copper	mg/L	0.0021	0.0020	04/15/21 21:35
Lead	mg/L	<0.0020	0.0020	04/15/21 21:35

<b>Laboratory Control Sample</b>	LCS-V3002
----------------------------------	-----------

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	mg/L	0.100	0.0962	96.0	85-115
Lead	mg/L	0.100	0.100	100	85-115

<b>Matrix Spike</b>	V 96528-MS-V3002
---------------------	------------------

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	Max RPD
Copper	mg/L	0.228	0.100		0.324		96.0		70-130	

<b>Matrix Spike &amp; Matrix Spike Duplicate</b>	V 96517-MS-V3002	V 96517-MSD-V3002
--	------------------	-------------------

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Copper	mg/L	<0.0020	0.100	0.100	0.0974	0.0977	97.0	98.0	70-130	0.3	20

<b>Matrix Spike</b>	V 96528-MS-V3002
---------------------	------------------

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	Max RPD
Lead	mg/L	0.0325	0.100		0.132		100		70-130	



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### Quality Control Data

**Client ID:** Hart & Hickman (Charlotte)

**Project Description:** Guilford Elementary

**Report No:** 21-102-0018

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**QC Prep:** V3002                    **QC Analytical Batch(es):** V3139

**QC Prep Batch Method:** 200.8 (PREP)

**Analysis Method:** 200.8

**Analysis Description:** Metals Analyses

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**Matrix Spike & Matrix Spike Duplicate**      V 96517-MS-V3002      V 96517-MSD-V3002

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/L	<0.0020	0.100	0.100	0.101	0.101	101	101	70-130	0.0	20

### Shipment Receipt Form

Customer Number: **01102**

Customer Name: **Hart & Hickman (Charlotte)**

Report Number: **21-102-0018**

#### Shipping Method

<input type="radio"/> Fed Ex	<input type="radio"/> US Postal	<input checked="" type="radio"/> Lab	<input type="radio"/> Other :	<input type="text"/>
<input type="radio"/> UPS	<input type="radio"/> Client	<input type="radio"/> Courier	Thermometer ID: <b>IRT-15 6.9C</b>	

---

Shipping container/coolers uncompromised?       Yes       No

Number of coolers/boxes received     

Custody seals intact on shipping container/coolers?       Yes       No       Not Present

Custody seals intact on sample bottles?       Yes       No       Not Present

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:



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Kit ID:	156434
Initiated By:	Angela Overcash
Initiated Date:	4/5/2021
Project Comment	

## CHAIN-OF-CUSTODY

Company Name		Company Number	Client Project Manager/Contact				Purchase Order Number	
Hart & Hickman (Charlotte)		01102	Hart & Hickman (Charlotte)					
Site Name		Project Number GCS-001	<input type="checkbox"/> RUSH – Additional charges apply <input type="checkbox"/> Special Detection Limits(s) Date Results Needed				<b>Method of Shipment</b> <input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off Other	
LIMS Project ID		Project Manager Phone # 704-586-0007	Project Manager Email C.Schaefer@harthickman.com				Site/Facility ID # GIL	
Date	Time	Sample ID	Matrix	Grab/ Comp	# of Cont	Container Type	Preservation	Analyses
4/10/21	0950	GIL-001-002B-BP-P	AQU	G	1	Plastic - 250ml	HNO3 - Nitric Acid	200.8 - Lead
			AQU	G	2	Plastic - 250ml	HNO3 - Nitric Acid	200.8 - Lead
			AQU	G	1	Plastic - 1L	NONE	



21-102-0018

01102

04-12-2021

14:47:43

## Field Readings

Date/Time \_\_\_\_\_ Initials \_\_\_\_\_ pH \_\_\_\_\_

Temp \_\_\_\_\_ Re Cl \_\_\_\_\_ Flow \_\_\_\_\_ DO \_\_\_\_\_

For Laboratory Use Only			Sampled by (Name - Print)	Client Remarks/Comments			
Ice  O/N	Custody  Y/N	Lab Comments	Vanessa Hunter  	Relinquished by: (SIGNATURE)  Received by: (SIGNATURE)  Date 4/12/2021 Time 14:45			
			Relinquished by: (SIGNATURE)   Received by: (SIGNATURE)  Date 4/12/2021 Time 14:00	Received by: (SIGNATURE)   Received by: (SIGNATURE)  Date 4/12/2021 Time 14:00			
Blank/Cooler Temp T/KT-15 6.9C			Relinquished by: (SIGNATURE)   Received by: (SIGNATURE)  Date 4/12/2021 Time 14:00	Received by: (SIGNATURE)   Received by: (SIGNATURE)  Date 4/12/2021 Time 14:00			

4/30/2021

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC, 28203

Ref: Analytical Testing  
Lab Report Number: 21-118-0015  
Client Project Description: Guilford Elementary  
Project Number: GCS-001

Dear Christine Schaefer:

Waypoint Analytical, LLC (Charlotte) received sample(s) on 4/28/2021 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 were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) unless otherwise indicated.

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,



Angela D Overcash  
Senior 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.*



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## Certification Summary

**Laboratory ID: WP CNC: Waypoint Analytical Carolina, Inc. (C), Charlotte, NC**

State	Program	Lab ID	Expiration Date
North Carolina	State Program	37735	07/31/2021
North Carolina	State Program	402	12/31/2021
South Carolina	State Program	99012	07/31/2021
South Carolina	State Program	99012	12/31/2020



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**Sample Summary Table**

**Report Number:** 21-118-0015

**Client Project Description:** Guilford Elementary

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
97715	GIL-001-002C-BP-F	Aqueous	04/24/2021 10:56	04/28/2021 10:45



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### Summary of Detected Analytes

**Project:** Guilford Elementary

**Report Number:** 21-118-0015

---

Client Sample ID	Lab Sample ID	Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
GIL-001-002C-BP-F	V 97715							
200.8	Copper			0.0647	mg/L	0.0020	04/29/2021 23:56	



01102  
Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte , NC 28203

Project ID :  
Project      Guilford Elementary  
Information :

449 Springbrook Rd, Charlotte, NC 28217  
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[www.waypointanalytical.com](http://www.waypointanalytical.com)

Report Date : 04/30/2021  
Received : 04/28/2021

Report Number : **21-118-0015**

**REPORT OF ANALYSIS**

Lab No : **97715**  
Sample ID : **GIL-001-002C-BP-F**

Matrix: **Aqueous**  
Sampled: **4/24/2021 10:56**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	<b>0.0647</b>	mg/L	0.0020	1	04/29/21 23:56	MMR	200.8
Lead	<0.0010	mg/L	0.0010	1	04/29/21 23:56	MMR	200.8

---

**Qualifiers/  
Definitions**      DF      Dilution Factor      L      Limit Exceeded  
                        MQL      Method Quantitation Limit

## Quality Control Data

**Client ID:** Hart & Hickman (Charlotte)

**Project Description:** Guilford Elementary

**Report No:** 21-118-0015

<b>QC Prep:</b>	V3681	<b>QC Analytical Batch(es):</b>	V3737
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<b>QC Prep Batch Method:</b>	200.8 (PREP)	<b>Analysis Method:</b>	200.8
		<b>Analysis Description:</b>	Metals Analyses

<b>Lab Reagent Blank</b>	LRB-V3681	Matrix: AQU
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Associated Lab Samples: 97715

Parameter	Units	Blank Result	MQL	Analyzed
Copper	mg/L	<0.0020	0.0020	04/29/21 23:23
Lead	mg/L	<0.0010	0.0010	04/29/21 23:23

<b>Laboratory Control Sample</b>	LCS-V3681
----------------------------------	-----------

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	mg/L	0.100	0.103	103	85-115
Lead	mg/L	0.100	0.0996	100	85-115

<b>Matrix Spike</b>	V 97756-MS-V3681
---------------------	------------------

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	Max RPD
Copper	mg/L	0.0196	0.100		0.119		99.0		70-130	

<b>Matrix Spike &amp; Matrix Spike Duplicate</b>	V 97715-MS-V3681	V 97715-MSD-V3681
--	------------------	-------------------

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Copper	mg/L	0.0647	0.100	0.100	0.165	0.164	100	99.0	70-130	0.6	20

<b>Matrix Spike</b>	V 97756-MS-V3681
---------------------	------------------

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	Max RPD
Lead	mg/L	0.0020	0.100		0.101		99.0		70-130	

### Quality Control Data

**Client ID:** Hart & Hickman (Charlotte)

**Project Description:** Guilford Elementary

**Report No:** 21-118-0015

**QC Prep:** V3681      **QC Analytical Batch(es):** V3737

**QC Prep Batch Method:** 200.8 (PREP)

**Analysis Method:** 200.8

**Analysis Description:** Metals Analyses

**Matrix Spike & Matrix Spike Duplicate**      V 97715-MS-V3681      V 97715-MSD-V3681

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/L	<0.0010	0.100	0.100	0.100	0.0998	100	100	70-130	0.2	20

### Shipment Receipt Form

Customer Number: **01102**

Customer Name: **Hart & Hickman (Charlotte)**

Report Number: **21-118-0015**

#### Shipping Method

<input 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 checked="" type="radio"/> Courier	Thermometer ID:	<input type="text" value="IRT-15 5.0C"/>

---

Shipping container/coolier uncompromised?       Yes       No

Number of coolers/boxes received     

Custody seals intact on shipping container/coolier?       Yes       No       Not Present

Custody seals intact on sample bottles?       Yes       No       Not Present

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:

# Waypoint

ANALYTICAL

## CHAIN OF CUSTODY RECORD

Waypoint Analytical LLC

449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543

Phone: 704/529-6364 • Fax: 704/525-0409

Short Hold Analysis Requested (Yes or No):

UST Project (Yes or No):

Invoice To:

Client Company Name:

Report To / Contact Name:

Hart and Hickman

Customer Name: Johnstone Schowalter

Address: 1000 W. Morehead Street, Suite 100, Charlotte, NC 28202

Reporting Address:

Fax (yes, no):

EOD Type (PDF, Excel, Other):

Site Location Name:

Site Location Physical Address:

Please ATTACH any project specific reporting (QC LEVEL III/IV) provisions and/or QC Requirements

Sample Container

Sample Type

Below In

Matrix

Soil, Water, Sludge, Other

Time Collected (Military Time)

Spec Type

See Type

No.

Order of

Analyses

Size (in

Preservatives (in

Order of Analyses

No.

Order of

Analyses

Remarks

Print Lab ID

Lab Use Only

Samples intact upon arrival?

Received on WET ICE?

TEMP

PROPER PRESERVATIVES?

Received WITHIN HOLDING TIMES?

CUSTODY SEALS INACTIVATED?

VOLATILES held W/OUT HERMETICALLY?

PROPER CONTAINERS used?

Turnaround time is based on business days, excluding weekends and holidays.

Samples Received After 15:00 will be processed the next business day.

Please ATTACH any project specific reporting (QC LEVEL III/IV) provisions and/or QC Requirements

Water Chlorinated (Yes or No):

Sample破壞 upon Collection (Yes or No):

See reverse for terms and conditions.

Phone:

Fax:

EDD Type (PDF, Excel, Other):

Site Location Name:

Site Location Physical Address:

Project Name:

Guilford Elementary

Short Hold Analysis Requested (Yes or No):

UST Project (Yes or No):

Invoice To:

Client Company Name:

Report To / Contact Name:

Hart and Hickman

Customer Name: Johnstone Schowalter

Address: 1000 W. Morehead Street, Suite 100, Charlotte, NC 28202

Reporting Address:

Fax (yes, no):

EOD Type (PDF, Excel, Other):

Site Location Name:

Site Location Physical Address:

Please ATTACH any project specific reporting (QC LEVEL III/IV) provisions and/or QC Requirements

Sample Container

Sample Type

Below In

Matrix

Soil, Water, Sludge, Other

Time Collected (Military Time)

Spec Type

See Type

No.

Order of

Analyses

Size (in

Preservatives (in

Order of Analyses

No.

Order of

Analyses

Remarks

Print Lab ID

Lab Use Only

Samples intact upon arrival?

Received on WET ICE?

TEMP

PROPER PRESERVATIVES?

Received WITHIN HOLDING TIMES?

CUSTODY SEALS INACTIVATED?

VOLATILES held W/OUT HERMETICALLY?

PROPER CONTAINERS used?

Turnaround time is based on business days, excluding weekends and holidays.

Samples Received After 15:00 will be processed the next business day.

Please ATTACH any project specific reporting (QC LEVEL III/IV) provisions and/or QC Requirements

Water Chlorinated (Yes or No):

Sample破壞 upon Collection (Yes or No):

See reverse for terms and conditions.

Phone:

Fax:

EDD Type (PDF, Excel, Other):

Site Location Name:

Site Location Physical Address:

Project Name:

Guilford Elementary

Short Hold Analysis Requested (Yes or No):

UST Project (Yes or No):

Invoice To:

Client Company Name:

Report To / Contact Name:

Hart and Hickman

Customer Name: Johnstone Schowalter

Address: 1000 W. Morehead Street, Suite 100, Charlotte, NC 28202

Reporting Address:

Fax (yes, no):

EOD Type (PDF, Excel, Other):

Site Location Name:

Site Location Physical Address:

Please ATTACH any project specific reporting (QC LEVEL III/IV) provisions and/or QC Requirements

Sample Container

Sample Type

Below In

Matrix

Soil, Water, Sludge, Other

Time Collected (Military Time)

Spec Type

See Type

No.

Order of

Analyses

Size (in

Preservatives (in

Order of Analyses

No.

Order of

Analyses

Remarks

Print Lab ID

Lab Use Only

Samples intact upon arrival?

Received on WET ICE?

TEMP

PROPER PRESERVATIVES?

Received WITHIN HOLDING TIMES?

CUSTODY SEALS INACTIVATED?

VOLATILES held W/OUT HERMETICALLY?

PROPER CONTAINERS used?

Turnaround time is based on business days, excluding weekends and holidays.

Samples Received After 15:00 will be processed the next business day.

Please ATTACH any project specific reporting (QC LEVEL III/IV) provisions and/or QC Requirements

Water Chlorinated (Yes or No):

Sample破壞 upon Collection (Yes or No):

See reverse for terms and conditions.

Phone:

Fax:

EDD Type (PDF, Excel, Other):

Site Location Name:

Site Location Physical Address:

Project Name:

Guilford Elementary

Short Hold Analysis Requested (Yes or No):

UST Project (Yes or No):

Invoice To:

Client Company Name:

Report To / Contact Name:

Hart and Hickman

Customer Name: Johnstone Schowalter

Address: 1000 W. Morehead Street, Suite 100, Charlotte, NC 28202

Reporting Address:

Fax (yes, no):

EOD Type (PDF, Excel, Other):

Site Location Name:

Site Location Physical Address:

Please ATTACH any project specific reporting (QC LEVEL III/IV) provisions and/or QC Requirements

Sample Container

Sample Type

Below In

Matrix

Soil, Water, Sludge, Other

Time Collected (Military Time)

Spec Type

See Type

No.

Order of

Analyses

Size (in

Preservatives (in

Order of Analyses

No.

Order of

Analyses

Remarks

Print Lab ID

Lab Use Only

Samples intact upon arrival?

Received on WET ICE?

TEMP

PROPER PRESERVATIVES?

Received WITHIN HOLDING TIMES?

CUSTODY SEALS INACTIVATED?

VOLATILES held W/OUT HERMETICALLY?

PROPER CONTAINERS used?

Turnaround time is based on business days, excluding weekends and holidays.

Samples Received After 15:00 will be processed the next business day.

Please ATTACH any project specific reporting (QC LEVEL III/IV) provisions and/or QC Requirements

Water Chlorinated (Yes or No):

Sample破壞 upon Collection (Yes or No):

See reverse for terms and conditions.

Phone:

Fax:

EDD Type (PDF, Excel, Other):

Site Location Name:

Site Location Physical Address:

Project Name:

Guilford Elementary

Short Hold Analysis Requested (Yes or No):

UST Project (Yes or No):

Invoice To:

Client Company Name:

Report To / Contact Name:

Hart and Hickman

Customer Name: Johnstone Schowalter

Address: 1000 W. Morehead Street, Suite 100, Charlotte, NC 28202

Reporting Address:

Fax (yes, no):

EOD Type (PDF, Excel, Other):

Site Location Name:

Site Location Physical Address:

Please ATTACH any project specific reporting (QC LEVEL III/IV) provisions and/or QC Requirements

Sample Container

Sample Type

Below In

Matrix

Soil, Water, Sludge, Other

Time Collected (Military Time)

Spec Type

See Type

No.

Order of

Analyses

Size (in

Preservatives (in

Order of Analyses

No.

Order of

Analyses

Remarks

Print Lab ID

Lab Use Only

Samples intact upon arrival?

Received on WET ICE?

TEMP

PROPER PRESERVATIVES?

Received WITHIN HOLDING TIMES?

CUSTODY SEALS INACTIVATED?

VOLATILES held W/OUT HERMETICALLY?

PROPER CONTAINERS used?

Turnaround time is based on business days, excluding weekends and holidays.

Samples Received After 15:00 will be processed the next business day.

Please ATTACH any project specific reporting (QC LEVEL III/IV) provisions and/or QC Requirements

Water Chlorinated (Yes or No):

Sample破壞 upon Collection (Yes or No):

See reverse for terms and conditions.

Phone:

Fax:

EDD Type (PDF, Excel, Other):

Site Location Name:

Site Location Physical Address:

Project Name:

Guilford Elementary

Short Hold Analysis Requested (Yes or No):

UST Project (Yes or No):

Invoice To:

Client Company Name:

Report To / Contact Name:

Hart and Hickman

Customer Name: Johnstone Schowalter

Address: 1000 W. Morehead Street, Suite 100, Charlotte, NC 28202

Reporting Address:

Fax (yes, no):

EOD Type (PDF, Excel, Other):

Site Location Name:

Site Location Physical Address:

Please ATTACH any project specific reporting (QC LEVEL III/IV) provisions and/or QC Requirements

Sample Container

Sample Type

5/20/2021

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC, 28203

Ref: Analytical Testing  
Lab Report Number: 21-137-0020  
Client Project Description: Guilford  
Project Number: GCS-001

Dear Christine Schaefer:

Waypoint Analytical, LLC (Charlotte) received sample(s) on 5/17/2021 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 were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2012) unless otherwise indicated.

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,



Angela D Overcash  
Senior 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.*



449 Springbrook Rd, Charlotte, NC 28217  
Main 704.529.6364  
[www.waypointanalytical.com](http://www.waypointanalytical.com)

## Certification Summary

**Laboratory ID: WP CNC: Waypoint Analytical Carolina, Inc. (C), Charlotte, NC**

State	Program	Lab ID	Expiration Date
North Carolina	State Program	37735	07/31/2021
North Carolina	State Program	402	12/31/2021
South Carolina	State Program	99012	07/31/2021
South Carolina	State Program	99012	12/31/2021



449 Springbrook Rd, Charlotte, NC 28217  
Main 704.529.6364  
[www.waypointanalytical.com](http://www.waypointanalytical.com)

**Sample Summary Table**

**Report Number:** 21-137-0020

**Client Project Description:** Guilford

Lab No	Client Sample ID	Matrix	Date Collected	Date Received
99103	GIL-001-002D-BP-SS1	Aqueous	05/15/2021 08:15	05/17/2021 15:30



449 Springbrook Rd, Charlotte, NC 28217

Main 704.529.6364

[www.waypointanalytical.com](http://www.waypointanalytical.com)

**Summary of Detected Analytes**

**Project:** Guilford

**Report Number:** 21-137-0020

---

Client Sample ID	Lab Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
GIL-001-002D-BP-S	V 99103					
200.8	Copper	0.0526	mg/L	0.0020	05/18/2021 21:04	
200.8	Lead	0.0046	mg/L	0.0010	05/18/2021 21:04	



01102  
Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte , NC 28203

Project ID :  
Project      Guilford  
Information :

449 Springbrook Rd, Charlotte, NC 28217  
Main 704.529.6364  
[www.waypointanalytical.com](http://www.waypointanalytical.com)

Report Date : 05/20/2021  
Received : 05/17/2021

Report Number : **21-137-0020**

**REPORT OF ANALYSIS**

Lab No : **99103**  
Sample ID : **GIL-001-002D-BP-SS1**

Matrix: **Aqueous**  
Sampled: **5/15/2021 8:15**

Test	Results	Units	MQL	DF	Date / Time Analyzed	By	Analytical Method
Copper	<b>0.0526</b>	mg/L	0.0020	1	05/18/21 21:04	MMR	200.8
Lead	<b>0.0046</b>	mg/L	0.0010	1	05/18/21 21:04	MMR	200.8

---

**Qualifiers/  
Definitions**      DF      Dilution Factor  
                          MQL      Method Quantitation Limit      L      Limit Exceeded

## Quality Control Data

**Client ID:** Hart & Hickman (Charlotte)

**Project Description:** Guilford

**Report No:** 21-137-0020

**QC Prep:** V4403      **QC Analytical Batch(es):** V4455

**QC Prep Batch Method:** 200.8 (PREP)

**Analysis Method:** 200.8

**Analysis Description:** Metals Analyses

**Lab Reagent Blank** LRB-V4403      Matrix: AQU

Associated Lab Samples: 99103

Parameter	Units	Blank Result	MQL	Analyzed
Copper	mg/L	<0.0020	0.0020	05/18/21 19:39
Lead	mg/L	<0.0010	0.0010	05/18/21 19:39

**Laboratory Control Sample** LCS-V4403

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Copper	mg/L	0.100	0.102	102	85-115
Lead	mg/L	0.100	0.0996	100	85-115

**Matrix Spike** V 99107-MS-V4403

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	Max RPD
Copper	mg/L	0.0158	0.100		0.116		100		70-130	

**Matrix Spike & Matrix Spike Duplicate** V 98857-MS-V4403      V 98857-MSD-V4403

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Copper	mg/L	<0.0020	0.100	0.100	0.104	0.101	104	101	70-130	2.9	20

**Matrix Spike** V 99107-MS-V4403

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	Max RPD
Lead	mg/L	<0.0010	0.100		0.0991		99.0		70-130	

### Quality Control Data

**Client ID:** Hart & Hickman (Charlotte)

**Project Description:** Guilford

**Report No:** 21-137-0020

QC Prep:	V4403	QC Analytical Batch(es):	V4455
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QC Prep Batch Method:	200.8 (PREP)	Analysis Method:	200.8
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Analysis Description:	Metals Analyses
-----------------------	-----------------

Matrix Spike & Matrix Spike Duplicate	V 98857-MS-V4403	V 98857-MSD-V4403
---------------------------------------	------------------	-------------------

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/L	<0.0010	0.100	0.100	0.104	0.100	104	100	70-130	3.9	20

### Shipment Receipt Form

Customer Number: **01102**

Customer Name: **Hart & Hickman (Charlotte)**

Report Number: **21-137-0020**

#### Shipping Method

<input type="radio"/> Fed Ex	<input type="radio"/> US Postal	<input checked="" type="radio"/> Lab	<input type="radio"/> Other :	<input type="text"/>
<input type="radio"/> UPS	<input type="radio"/> Client	<input type="radio"/> Courier	Thermometer ID: <b>IRT-15 5.4C</b>	

Shipping container/coolier uncompromised?       Yes       No

Number of coolers/boxes received     

Custody seals intact on shipping container/coolier?       Yes       No       Not Present

Custody seals intact on sample bottles?       Yes       No       Not Present

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:



Kit ID:	158604
Initiated By:	Angela Overcash
Initiated Date:	5/12/2021
Project Comment	

**CHAIN-OF-CUSTODY**

Company Name		Company Number	Client Project Manager/Contact			Purchase Order Number		
Hart & Hickman (Charlotte)		01102	Hart & Hickman (Charlotte)			GCS-001		
Site Name	Project Number		<input type="checkbox"/> RUSH – Additional charges apply <input type="checkbox"/> Special Detection Limits(s) Date Results Needed			<b>Method of Shipment</b>		
Guilford			<input type="checkbox"/> Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Courier <input type="checkbox"/> Client Drop Off Other					
LIMS Project ID		Project Manager Phone #	Project Manager Email			Site/Facility ID #		
		704-586-0007						
Date	Time	Sample ID	Matrix	Grab/ Comp	# of Cont	Container Type	Preservation	Analyses
5/15/21	0815	GIL-001-002D-BP-SS1	AQU		1	Plastic - 250mL	HNO3 - Nitric Acid	Cu,Pb
5/15/21	0815	GIL-001-002D-BP-SS2	AQU		1	Plastic - 250mL	HNO3 - Nitric Acid	Cu,Pb
5/15/21	0815	GIL-001-002D-BP-SS3	AQU		1	Plastic - 250mL	HNO3 - Nitric Acid	Cu,Pb
5/15/21	0815	GIL-001-002D-BP-SS4	AQU		1	Plastic - 250mL	HNO3 - Nitric Acid	Cu,Pb

21-137-0020  
 01102  
 05-17-2021  
 16:07:02

**Field Readings**

Date/Time \_\_\_\_\_ Initials \_\_\_\_\_ pH \_\_\_\_\_

Temp \_\_\_\_\_ Re Cl \_\_\_\_\_ Flow \_\_\_\_\_ DO \_\_\_\_\_

For Laboratory Use Only			Sampled by (Name - Print)	Client Remarks/Comments				
Ice Y/N	Custody Seals Y/N	Lab Comments	Vanessa Hunter	Please hold samples: GIL-001-002D-BP-SS2, GIL-001-002D-BP-SS3 & GIL-001-002D-BP-SS4				
			Relinquished by: (SIGNATURE) Vanessa Hunter	Date 5/15/21	Time 14:00	Received by: (SIGNATURE)	Date 5/17/21	Time 15:16
Blank/Cooler Temp F 42.15 S 215.4			Relinquished by: (SIGNATURE) 	Date 5/17/21	Time 15:33	Received by: (SIGNATURE)	Date 5/17/21	Time 15:30
			Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time

**APPENDIX G**  
**MCIVER EDUCATION CENTER RESULTS**

School Name: McIver Education Center	Report Date(s): 3/10/2020	
Date Test Conducted: 2/29/2020	Date Results Received: 3/10/2020	
Number of Faucets Tested: 13		
<b>Lead Results</b>	<b>Copper Results</b>	
Results 15 ppb and above: 0	Results 1.3 ppm and above: 0	
Results 10 ppb to below 15 ppb: 0	Detectable results below 1.3 ppm: 12	
Detectable results below 10 ppb: 2	Results below detection level: 1	
Results below detection level: 11		
<b>Number of Faucets Requiring Remedial Action: 0</b>		
Location of Faucet	Action Taken	Date:
Sample ID:	<input type="checkbox"/> Temporarily taken out of service: <input type="checkbox"/> Permanently taken out of service: <input type="checkbox"/> Flush tested: Flush test result: <input type="checkbox"/> Replaced: <input type="checkbox"/> Retest: Retest result: Other: _____ <input type="checkbox"/> Placed back in service on:	
Location Description:		
<b>Daily School-Wide Flushing:</b> <input type="checkbox"/> Continue with protocol <input checked="" type="checkbox"/> Discontinue flushing protocol (date): 3/10/20 <input type="checkbox"/> Other (Describe: _____)		
This is a summary report prepared by Hart & Hickman, PC (H&H). H&H suggests that the full report be referred to with regard to findings, recommendations, and technical limitations for this sampling event.		

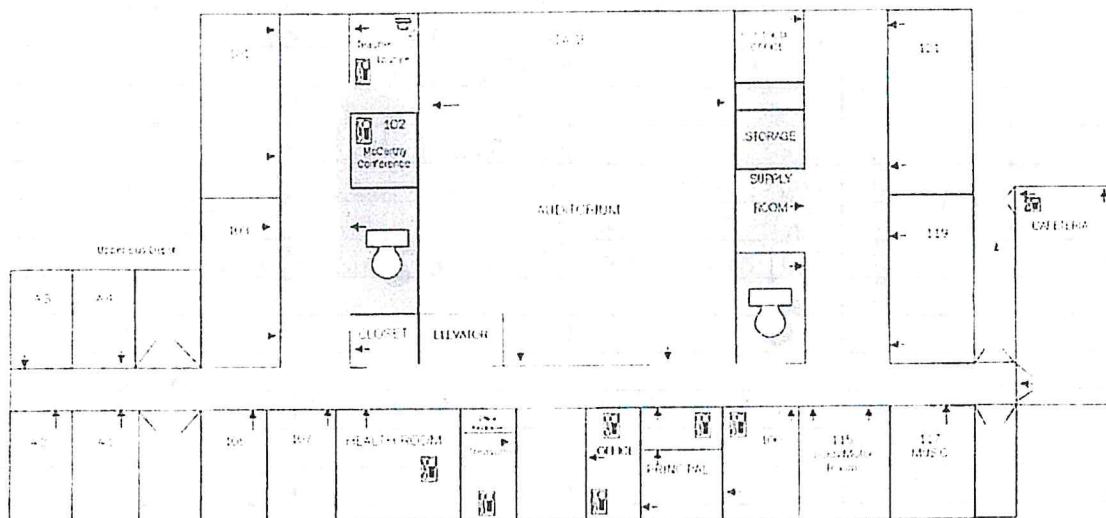
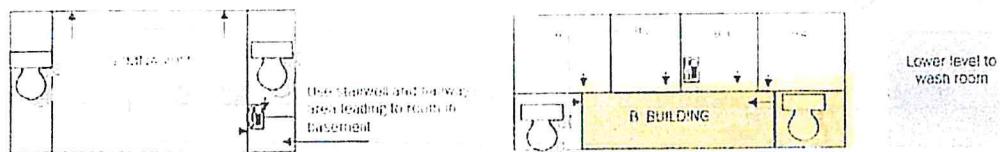
**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**McIver Education Center**  
**Greensboro, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
MEC-001-001-KF-P	001	2/29/2020	200.8	<2.0	0.049
MEC-001-002-KF-P	002	2/29/2020		<2.0	0.066
MEC-001-003-KF-P	003	2/29/2020		<2.0	0.043
MEC-001-004-KF-P	004	2/29/2020		<2.0	0.043
MEC-001-005-IM-P	005	2/29/2020		<2.0	<0.0020
MEC-001-006-BP-P	006	2/29/2020		5.2	0.14
MEC-001-007-WC-P	007	2/29/2020		<2.0	0.032
MEC-001-008-WC-P	008	2/29/2020		<2.0	0.15
MEC-002-009-WC-P	009	2/29/2020		<2.0	0.20
MEC-002-010-WC-P	010	2/29/2020		<2.0	0.072
MEC-001-011-WC-P	011	2/29/2020		<2.0	0.024
MEC-002-012-WC-P	012	2/29/2020		<2.0	0.69
MEC-002-013-WC-P	013	2/29/2020		6.9	0.10
District Action Threshold <sup>(3)</sup>				10	1.3

**Notes**

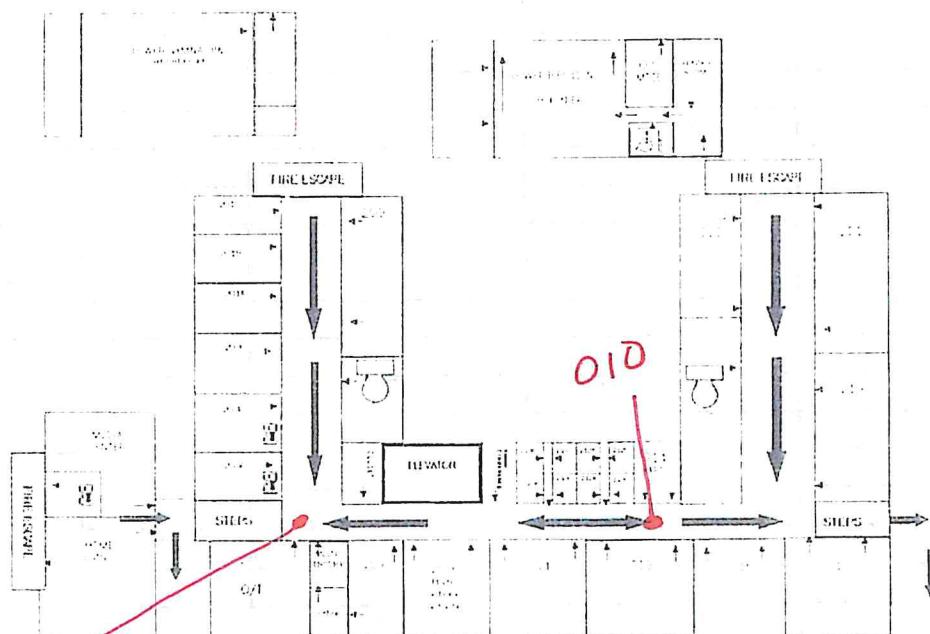
- 1.) Lead results reported in parts per billion (ppb).
- 2.) Copper results reported in parts per million (ppm).
- 3.) Action threshold established by Guilford County Schools.

2 Maps 01-14 25



**McIVER EDUCATION CENTER**  
FIRST FLOOR  
TORNADO PLAN

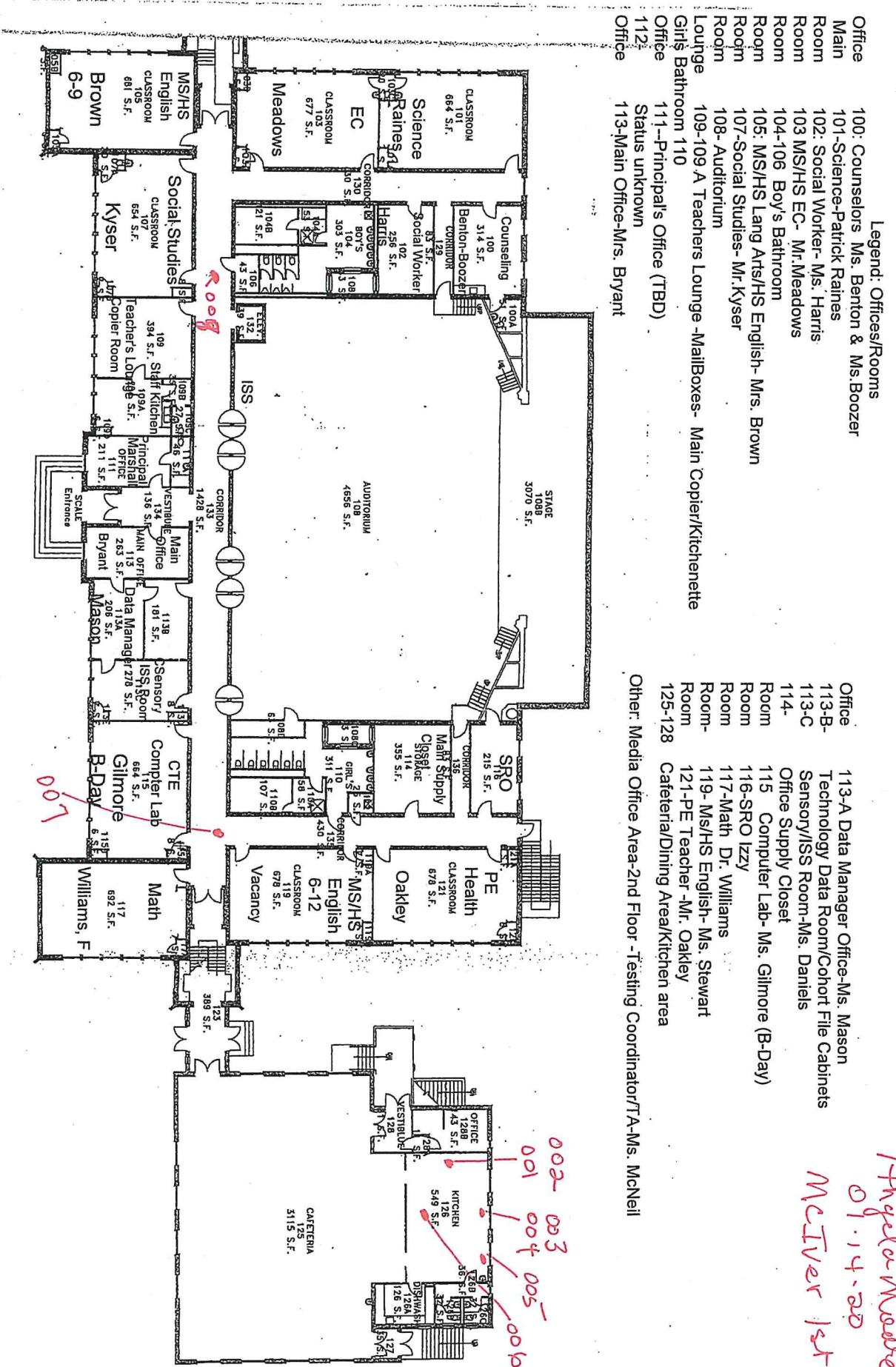
REVISED 2012-2013



**McIVER EDUCATION CENTER**  
**SECOND FLOOR**  
TORNADO PLAN

REVISED 2012-2013

Second floor evacuees should use the stairwell closest to their room. Proceed down the stairs in an orderly manner and fill in the spaces that are marked on the map. The shaded areas mark safe places to be.

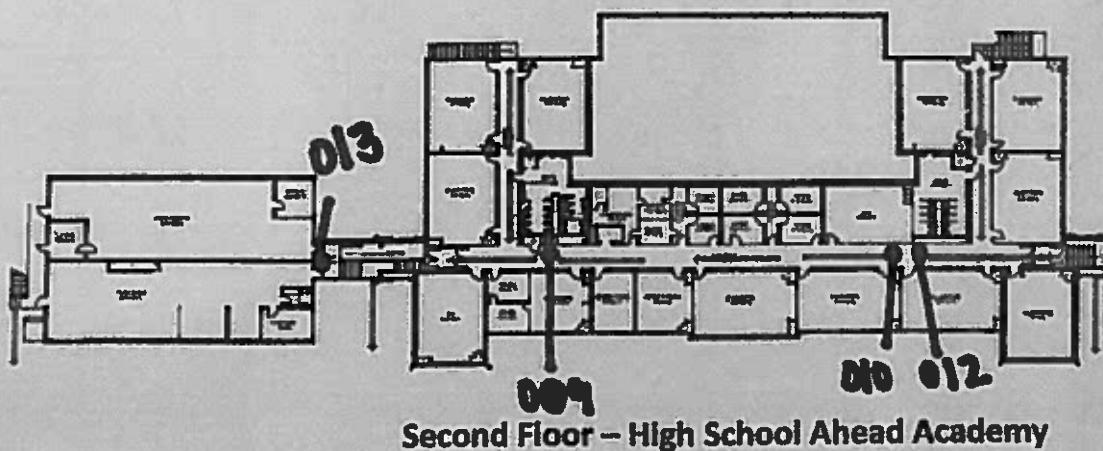
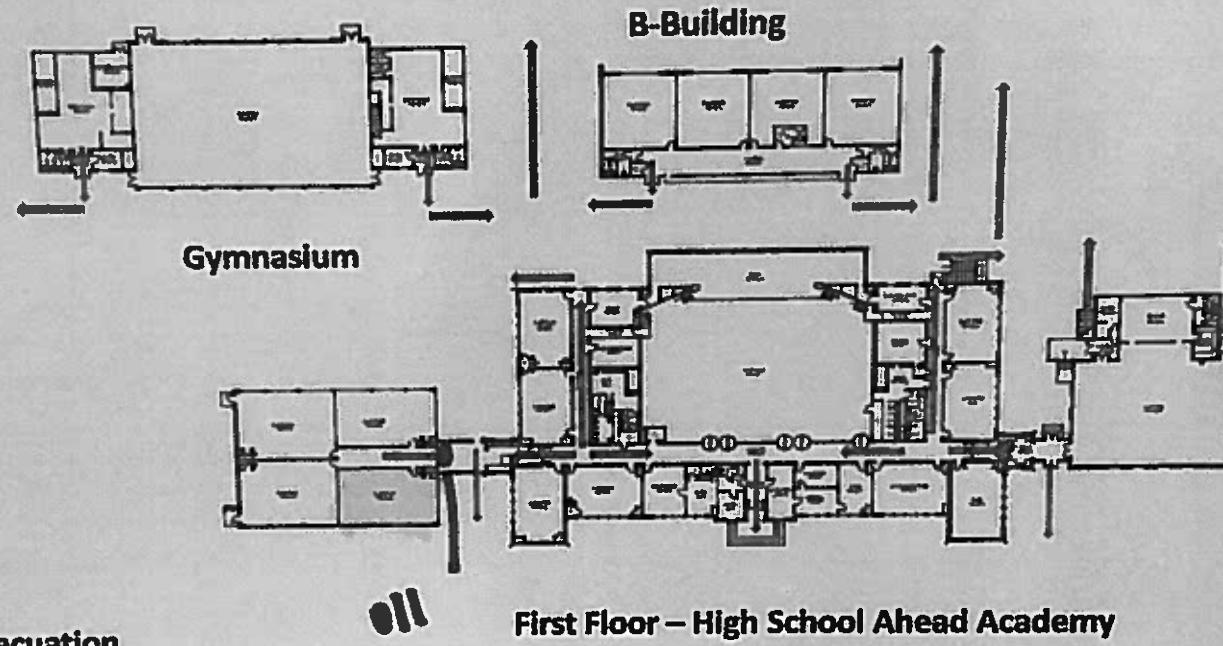


Angelus Nostrum

卷之二

Matrikel-Nr.

# High School Ahead Academy Fire Evacuation Plan



SCHOOL: McIver Education

DATE 01-14-2

<u>SAMPLE LOCATION</u>	<u>ROOM</u>	<u>LOCATION</u>	<u>Fixture Type</u>	<u>Brand</u>	<u>Age</u>	<u>Count</u>
<u>Code</u>						
001		Cafe	3 Prep.Sink, L/H			
002		Cafe	3 Prep.Sink R/H			
003		Cafe	Prep.Sink L/H			
004		Cafe	Prep.Sink R/H			
005		Cafe	Ice Maker			
006		Cafe	Braising Pan			
007		Hall	Water Fountain			
008		Hall near 107	Water Fountain			
009		Hall Top of stairs	Water Fountain			
010		Hall near 215	Water Fountain			
011						
012						

Hart & Hickman notes based on field conditions identified during sampling:

- Another water cooler was located adjacent to water cooler 010 and a sample (012) was collected.
- A two floor building addition was not shown on GCS-provided maps. Water coolers were identified on the first and second floors and samples were collected (011 and 013).

017						
018						
019						
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025						
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038						
039						
040						
041						
042						
043						
044						

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McIver Education Center

Lab Submittal Date: 03/03/2020  
Work Order: 0030022

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

**WAYPOINT ANALYTICAL**



Angela D. Overcash

Senior Project Manager

**Data Qualifiers Key Reference:**

BRL Below Reporting Limit

MDL Method Detection Limit

RPD Relative Percent Difference

\* Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.



## Sample Receipt Summary

03/10/2020

Work Order: 0030022

Client Sample ID	Lab Sample ID	Matrix	Date/Time Sampled	Date/Time Received
MEC-001-001-KF-P	0030022-01	Drinking Water	02/29/20 7:43	03/03/20 15:55
MEC-001-002-KF-P	0030022-02	Drinking Water	02/29/20 7:44	03/03/20 15:55
MEC-001-003-KF-P	0030022-03	Drinking Water	02/29/20 7:48	03/03/20 15:55
MEC-001-004-KF-P	0030022-04	Drinking Water	02/29/20 7:49	03/03/20 15:55
MEC-001-005-IM-P	0030022-05	Drinking Water	02/29/20 7:38	03/03/20 15:55
MEC-001-006-BP-P	0030022-06	Drinking Water	02/29/20 7:45	03/03/20 15:55
MEC-001-007-WC-P	0030022-07	Drinking Water	02/29/20 7:30	03/03/20 15:55
MEC-001-008-WC-P	0030022-08	Drinking Water	02/29/20 7:28	03/03/20 15:55
MEC-002-009-WC-P	0030022-09	Drinking Water	02/29/20 8:01	03/03/20 15:55
MEC-002-010-WC-P	0030022-10	Drinking Water	02/29/20 7:58	03/03/20 15:55
MEC-001-011-WC-P	0030022-11	Drinking Water	02/29/20 7:25	03/03/20 15:55
MEC-002-012-WC-P	0030022-12	Drinking Water	02/29/20 7:59	03/03/20 15:55
MEC-002-013-WC-P	0030022-13	Drinking Water	02/29/20 8:07	03/03/20 15:55

Samples were received in good condition at 2.2 degrees C unless otherwise noted.



## Summary of Detections

03/10/2020

Work Order: 0030022

Waypoint ID	Client ID	Parameter	Method	Result	Units
0030022-01	MEC-001-001-KF-P	Copper	*200.8	0.049	mg/L
0030022-02	MEC-001-002-KF-P	Copper	*200.8	0.066	mg/L
0030022-03	MEC-001-003-KF-P	Copper	*200.8	0.043	mg/L
0030022-04	MEC-001-004-KF-P	Copper	*200.8	0.043	mg/L
0030022-06	MEC-001-006-BP-P	Copper	*200.8	0.14	mg/L
0030022-06	MEC-001-006-BP-P	Lead	*200.8	0.0052	mg/L
0030022-07	MEC-001-007-WC-P	Copper	*200.8	0.032	mg/L
0030022-08	MEC-001-008-WC-P	Copper	*200.8	0.15	mg/L
0030022-09	MEC-002-009-WC-P	Copper	*200.8	0.20	mg/L
0030022-10	MEC-002-010-WC-P	Copper	*200.8	0.072	mg/L
0030022-11	MEC-001-011-WC-P	Copper	*200.8	0.024	mg/L
0030022-12	MEC-002-012-WC-P	Copper	*200.8	0.69	mg/L
0030022-13	MEC-002-013-WC-P	Copper	*200.8	0.10	mg/L
0030022-13	MEC-002-013-WC-P	Lead	*200.8	0.0069	mg/L

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McIver Education  
Center  
Sample Matrix: Drinking Water

Client Sample ID: MEC-001-001-KF-P  
Sample ID: 0030022-01  
Work Order: 0030022  
Time Collected: 02/29/20 07:43  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.049	mg/L	0.0020	0.00094	1	*200.8	3/5/20 21:14	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 21:14	MMR	P0C0091

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McIver Education  
Center  
Sample Matrix: Drinking Water

Client Sample ID: MEC-001-002-KF-P  
Sample ID: 0030022-02  
Work Order: 0030022  
Time Collected: 02/29/20 07:44  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.066	mg/L	0.0020	0.00094	1	*200.8	3/5/20 21:34	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 21:34	MMR	P0C0091

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McIver Education  
Center  
Sample Matrix: Drinking Water

Client Sample ID: MEC-001-003-KF-P  
Sample ID: 0030022-03  
Work Order: 0030022  
Time Collected: 02/29/20 07:48  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.043	mg/L	0.0020	0.00094	1	*200.8	3/5/20 21:41	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 21:41	MMR	P0C0091

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McIver Education  
Center  
Sample Matrix: Drinking Water

Client Sample ID: MEC-001-004-KF-P  
Sample ID: 0030022-04  
Work Order: 0030022  
Time Collected: 02/29/20 07:49  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.043	mg/L	0.0020	0.00094	1	*200.8	3/5/20 21:47	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 21:47	MMR	P0C0091

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McIver Education  
Center  
Sample Matrix: Drinking Water

Client Sample ID: MEC-001-005-IM-P  
Sample ID: 0030022-05  
Work Order: 0030022  
Time Collected: 02/29/20 07:38  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	BRL	mg/L	0.0020	0.00094	1	*200.8	3/5/20 21:54	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 21:54	MMR	P0C0091

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McIver Education  
Center  
Sample Matrix: Drinking Water

Client Sample ID: MEC-001-006-BP-P  
Sample ID: 0030022-06  
Work Order: 0030022  
Time Collected: 02/29/20 07:45  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.14	mg/L	0.0020	0.00094	1	*200.8	3/5/20 22:01	MMR	P0C0091
Lead	0.0052	mg/L	0.0020	0.00082	1	*200.8	3/5/20 22:01	MMR	P0C0091

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McIver Education  
Center  
Sample Matrix: Drinking Water

Client Sample ID: MEC-001-007-WC-P  
Sample ID: 0030022-07  
Work Order: 0030022  
Time Collected: 02/29/20 07:30  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.032	mg/L	0.0020	0.00094	1	*200.8	3/5/20 22:20	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 22:20	MMR	P0C0091

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McIver Education  
Center  
Sample Matrix: Drinking Water

Client Sample ID: MEC-001-008-WC-P  
Sample ID: 0030022-08  
Work Order: 0030022  
Time Collected: 02/29/20 07:28  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	3/5/20 22:27	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 22:27	MMR	P0C0091

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409



# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McIver Education  
Center  
Sample Matrix: Drinking Water

Client Sample ID: MEC-002-009-WC-P  
Sample ID: 0030022-09  
Work Order: 0030022  
Time Collected: 02/29/20 08:01  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.20	mg/L	0.0020	0.00094	1	*200.8	3/5/20 22:34	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 22:34	MMR	P0C0091

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McIver Education  
Center  
Sample Matrix: Drinking Water

Client Sample ID: MEC-002-010-WC-P  
Sample ID: 0030022-10  
Work Order: 0030022  
Time Collected: 02/29/20 07:58  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.072	mg/L	0.0020	0.00094	1	*200.8	3/5/20 22:40	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 22:40	MMR	P0C0091

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McIver Education  
Center  
Sample Matrix: Drinking Water

Client Sample ID: MEC-001-011-WC-P  
Sample ID: 0030022-11  
Work Order: 0030022  
Time Collected: 02/29/20 07:25  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.024	mg/L	0.0020	0.00094	1	*200.8	3/5/20 22:47	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 22:47	MMR	P0C0091

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McIver Education  
Center  
Sample Matrix: Drinking Water

Client Sample ID: MEC-002-012-WC-P  
Sample ID: 0030022-12  
Work Order: 0030022  
Time Collected: 02/29/20 07:59  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.69	mg/L	0.0020	0.00094	1	*200.8	3/5/20 23:13	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 23:13	MMR	P0C0091

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McIver Education  
Center  
Sample Matrix: Drinking Water

Client Sample ID: MEC-002-013-WC-P  
Sample ID: 0030022-13  
Work Order: 0030022  
Time Collected: 02/29/20 08:07  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.10	mg/L	0.0020	0.00094	1	*200.8	3/5/20 23:20	MMR	P0C0091
Lead	0.0069	mg/L	0.0020	0.00082	1	*200.8	3/5/20 23:20	MMR	P0C0091

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Hart & Hickman (Charlotte)  
 Attn: Christine Schaefer  
 2923 South Tryon St. Ste 100  
 Charlotte, NC 28203

Project: GCS-001 - McIver Education  
 Center

Work Order: 0030022  
 Time Submitted: 3/3/2020 3:55:00PM

### Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Notes
<b>Batch P0C0091 - 200.8</b>									
<b>Blank (P0C0091-BLK1)</b>									
Copper	BRL	0.0020	mg/L						
Lead	BRL	0.0020	mg/L						
<b>LCS (P0C0091-BS1)</b>									
Copper	0.101	0.0020	mg/L	0.1000	101	85-115			
Lead	0.0969	0.0020	mg/L	0.1000	97	85-115			
<b>Matrix Spike (P0C0091-MS1)</b>									
Copper	0.146	0.0020	mg/L	0.1000	0.0492	97	70-130		
Lead	0.0987	0.0020	mg/L	0.1000	BRL	99	70-130		
<b>Matrix Spike (P0C0091-MS2)</b>									
Copper	0.127	0.0020	mg/L	0.1000	0.0241	103	70-130		
Lead	0.0942	0.0020	mg/L	0.1000	BRL	94	70-130		
<b>Matrix Spike Dup (P0C0091-MSD1)</b>									
Copper	0.151	0.0020	mg/L	0.1000	0.0492	102	70-130	3	10
Lead	0.0978	0.0020	mg/L	0.1000	BRL	98	70-130	0.9	10

### Sample Extraction Data

#### Prep Method: 200.8

Lab Number	Batch	Initial	Final	Date/Time
0030022-01	P0C0091	50 mL	50 mL	03/04/20 14:42
0030022-02	P0C0091	50 mL	50 mL	03/04/20 14:42
0030022-03	P0C0091	50 mL	50 mL	03/04/20 14:42
0030022-04	P0C0091	50 mL	50 mL	03/04/20 14:42
0030022-05	P0C0091	50 mL	50 mL	03/04/20 14:42
0030022-06	P0C0091	50 mL	50 mL	03/04/20 14:42
0030022-07	P0C0091	50 mL	50 mL	03/04/20 14:42
0030022-08	P0C0091	50 mL	50 mL	03/04/20 14:42
0030022-09	P0C0091	50 mL	50 mL	03/04/20 14:42
0030022-10	P0C0091	50 mL	50 mL	03/04/20 14:42
0030022-11	P0C0091	50 mL	50 mL	03/04/20 14:42
0030022-12	P0C0091	50 mL	50 mL	03/04/20 14:42
0030022-13	P0C0091	50 mL	50 mL	03/04/20 14:42

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# CHAIN OF CUSTODY RECORD

12T-14 2-1  
2-1  
2-2

Full Service Analytical & Environmental Solutions  
449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543  
Phone: 704/529-6364 • Fax: 704/525-0408

Project Name: GCS-001 McIver Education Center  
Short Hold Analysis: (Yes)  (No)  UST Project: (Yes)  (No)   
\*Please ATTACH any project specific reporting (QC LEVEL I II III IV)

Client Company Name: H&H  
Report To/Contact Name: Christine Schaefer  
Reporting Address: 2923 S Tryon St, #100  
Charlotte, NC 28203

Phone: (704) 566-0007  
Fax (Yes)  (No)

Email  (No) Email Address cschaefer@hartmckhan.com  
EDD Type:  PDF  Excel  Other

Site Location Name: McIver Education Center  
Site Location Physical Address: Greensboro, NC

Purchase Order No./Billing Reference 605.00  
Requested Due Date 1 Day 2 Days 3 Days 4 Days 5 Days  
"Working Days" 6-9 Days Standard 10 days

Samples received after 15:00 will be processed next business day.

Turnaround time is based on business days, excluding weekends and holidays.  
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

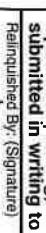
TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL		LAB USE ONLY	
Certification: NELAC	USACE	FL	NC ✓
SC	OTHER	N/A	
Water Chlorinated: YES	NO ✓		
Sample Iced Upon Collection: YES ✓	NO		

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER	PRESERVE-TIVES	ANALYSES REQUESTED		REMARKS	PRISM LAB ID NO.
						"TYPE SEE BELOW	NO.	SIZE	
MEC-001-001-KF-P	2/29/20	07:43	Water <input checked="" type="checkbox"/>	P <input checked="" type="checkbox"/>	1	125	HNO3	✓	01
MEC-001-002-KF-P	2/29/20	07:44	Water <input checked="" type="checkbox"/>	P <input checked="" type="checkbox"/>	1	125	HNO3	✓	02
MEC-001-003-KF-P	2/29/20	07:48	Water <input checked="" type="checkbox"/>	P <input checked="" type="checkbox"/>	1	125	HNO3	✓	03
MEC-001-004-KF-P	2/29/20	07:49	Water <input checked="" type="checkbox"/>	P <input checked="" type="checkbox"/>	1	125	HNO3	✓	04
MEC-001-005-IM-P	2/29/20	07:38	Water <input checked="" type="checkbox"/>	P <input checked="" type="checkbox"/>	1	125	HNO3	✓	05
MEC-001-006-BP-P	2/29/20	07:45	Water <input checked="" type="checkbox"/>	P <input checked="" type="checkbox"/>	1	125	HNO3	✓	06
MEC-001-007-WC-P	2/29/20	07:30	Water <input checked="" type="checkbox"/>	P <input checked="" type="checkbox"/>	1	125	HNO3	✓	07
MEC-001-008-WC-P	2/29/20	07:28	Water <input checked="" type="checkbox"/>	P <input checked="" type="checkbox"/>	1	125	HNO3	✓	08
MEC-002-009-WC-P	2/29/20	08:01	Water <input checked="" type="checkbox"/>	P <input checked="" type="checkbox"/>	1	125	HNO3	✓	09
MEC-002-010-WC-P	2/29/20	07:58	Water <input checked="" type="checkbox"/>	P <input checked="" type="checkbox"/>	1	125	HNO3	✓	

PRESS DOWN FIRMLY - 3 COPIES									
<b>PRISM USE ONLY</b>									
Samples INTACT upon arrival?									
Received ON WET ICE? Temp _____									
PROPER PRESERVATIVES indicated?									
Received WITHIN HOLDING TIMES?									
CUSTODY SEALS INTACT?									
VOLATILES read w/out HEADSPACE?									
PROPER CONTAINERS used?									

Sampler's Signature  Sampled By (Print Name) Janya Sananikone

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature) 

Received By: (Signature) 

Method of Shipment: NOTE ALL SAMPLE COOLERS SHOULD BE TADED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY.

Received For Prism Laboratories By: 

Date: 3-3-20 Date: 3-3-20 Log-In Group No.: 0030022

**PRISM USE ONLY**

Additional Comments: 

Site Arrival Time:

Site Departure Time:

Field Tech Fee:

Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

Original

NPDES:	UST:	GROUNDWATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
- NC - SC	NC - SC	NC - SC	NC - SC	- NC - SC	- NC - SC	- NC - SC	- NC - SC

Fed Ex UPS Hand-delivered Prism Field Service Other

\*CONTAINER TYPE CODES: A = Amber C = Clear G = Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)



**APPENDIX H**  
**RONALD E. MCNAIR ELEMENTARY RESULTS**

School Name: Ronald E. McNair Elementary	Report Date(s): 3/10/2020	
Date Test Conducted: 2/29/2020	Date Results Received: 3/10/2020	
Number of Faucets Tested: 13		
<b>Lead Results</b>	<b>Copper Results</b>	
Results 15 ppb and above: 0	Results 1.3 ppm and above: 0	
Results 10 ppb to below 15 ppb: 0	Detectable results below 1.3 ppm: 12	
Detectable results below 10 ppb: 0	Results below detection level: 1	
Results below detection level: 13		
<b>Number of Faucets Requiring Remedial Action: 0</b>		
Location of Faucet	Action Taken	Date:
Sample ID:	<input type="checkbox"/> Temporarily taken out of service: <input type="checkbox"/> Permanently taken out of service: <input type="checkbox"/> Flush tested: Flush test result: <input type="checkbox"/> Replaced: <input type="checkbox"/> Retest: Retest result: Other: _____ <input type="checkbox"/> Placed back in service on:	
Location Description:		
<b>Daily School-Wide Flushing:</b> <input type="checkbox"/> Continue with protocol <input checked="" type="checkbox"/> Discontinue flushing protocol (date): 3/10/20 <input type="checkbox"/> Other (Describe: _____)		
This is a summary report prepared by Hart & Hickman, PC (H&H). H&H suggests that the full report be referred to with regard to findings, recommendations, and technical limitations for this sampling event.		

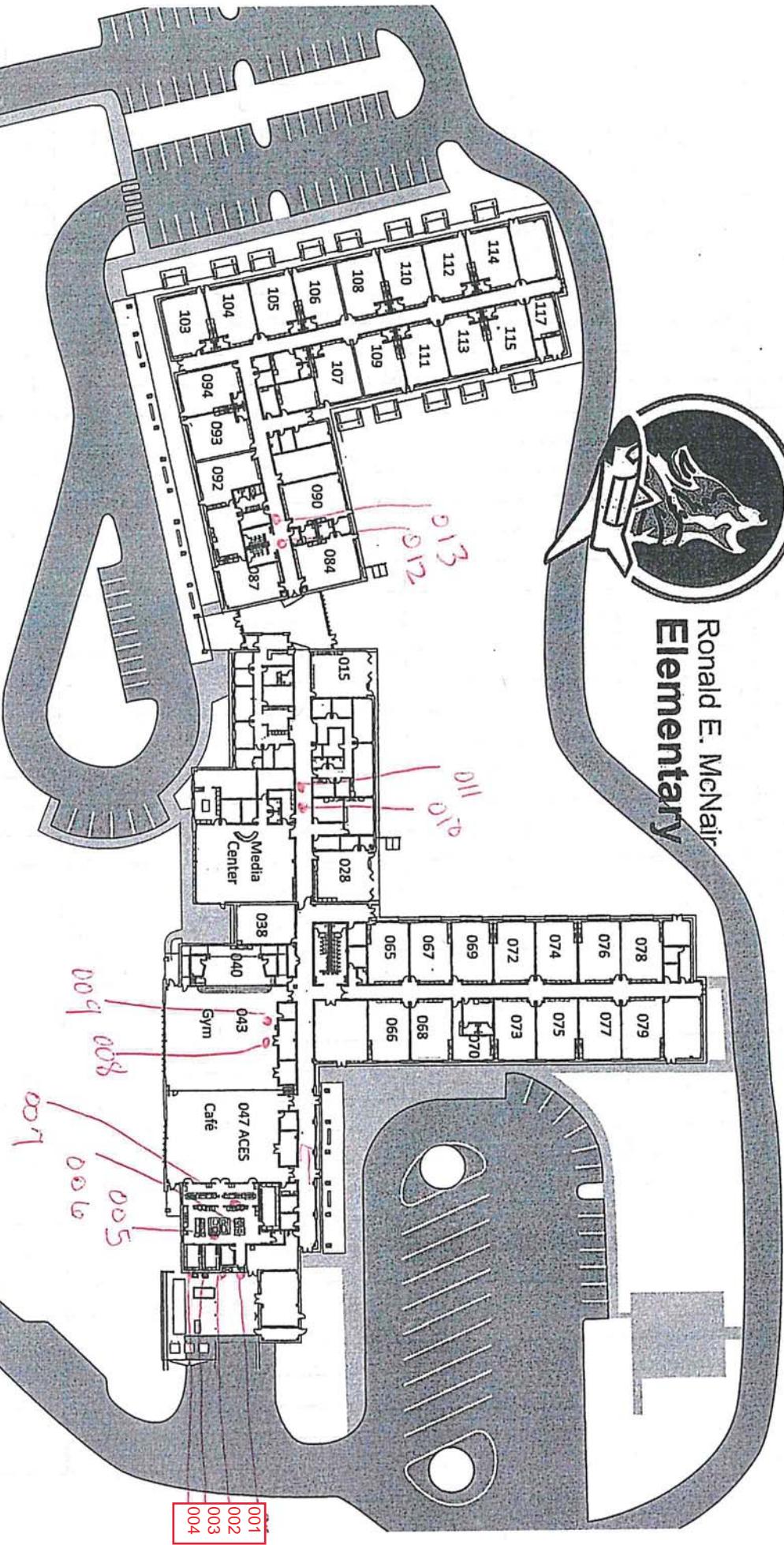
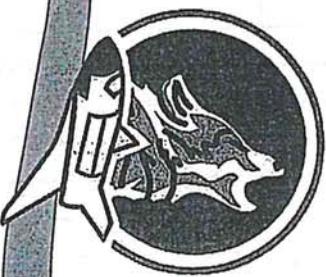
**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Ronald E. McNair Elementary**  
**Browns Summit, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
REM-001-001-KF-P	001	2/29/2020	200.8	<0.0020	0.11
REM-001-002-KF-P	002	2/29/2020		<0.0020	0.10
REM-001-003-KF-P	003	2/29/2020		<0.0020	0.11
REM-001-004-IM-P	004	2/29/2020		<0.0020	<0.0020
REM-001-005-KF-P	005	2/29/2020		<0.0020	0.11
REM-001-006-BP-P	006	2/29/2020		<0.0020	0.057
REM-001-007-KF-P	007	2/29/2020		<0.0020	0.089
REM-001-008-WC-P	008	2/29/2020		<0.0020	0.092
REM-001-009-WC-P	009	2/29/2020		<0.0020	0.10
REM-001-010-WC-P	010	2/29/2020		<0.0020	0.11
REM-001-011-WC-P	011	2/29/2020		<0.0020	0.11
REM-001-012-WC-P	012	2/29/2020		<0.0020	0.094
REM-001-013-WC-P	013	2/29/2020		<0.0020	0.11
District Action Threshold <sup>(3)</sup>				10	1.3

**Notes**

- 1.) Lead results reported in parts per billion (ppb).
- 2.) Copper results reported in parts per million (ppm).
- 3.) Action threshold established by Guilford County Schools.

Ronald E. McNair  
Elementary



Syngda More  
1-22

SCHOOL:

McNair

Angela Moore

1.22.20

DATE

<u>SAMPLE LOCATION</u>	<u>ROOM</u>	<u>LOCATION</u>	<u>Fixture Type</u>	<u>BRAND</u>	<u>AGE</u>	<u>COUNT</u>
<u>CODE</u>						
001		Cafe	3 Dept Sink RH			
002		Cafe	3 Dept Sink LTH			
003		Cafe	Water Sprayer			
004		Cafe	Ice maker			
005		Cafe	Prep Sink			
006		Cafe	Braising Pan			
007		Cafe	Prep Sink			
008		Gym	Water Fountain			
009		Gym	Water Fountain			
010		Hall near 014	Water Fountain			
011		Hall	" Water Fountain			
012		Hall near 089	Water Fountain			
013		Hall	" Water Fountain			
014						
015						
016						
017						
018						
019						
020						
021						
022						
023						
024						
025						
026						
027						
028						
029						
030						
031						
032						
033						
034						
035						
036						
037						
038						
039						
040						
041						
042						
043						
044						

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McNair Elementary

Lab Submittal Date: 03/03/2020  
Work Order: 0030024

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

**WAYPOINT ANALYTICAL**



Angela D. Overcash

Senior Project Manager

**Data Qualifiers Key Reference:**

BRL Below Reporting Limit

MDL Method Detection Limit

RPD Relative Percent Difference

\* Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.



## Sample Receipt Summary

03/10/2020

Work Order: 0030024

Client Sample ID	Lab Sample ID	Matrix	Date/Time Sampled	Date/Time Received
REM-001-001-KF-P	0030024-01	Drinking Water	02/29/20 8:53	03/03/20 15:55
REM-001-002-KF-P	0030024-02	Drinking Water	02/29/20 8:51	03/03/20 15:55
REM-001-003-KF-P	0030024-03	Drinking Water	02/29/20 8:52	03/03/20 15:55
REM-001-004-IM-P	0030024-04	Drinking Water	02/29/20 8:56	03/03/20 15:55
REM-001-005-KF-P	0030024-05	Drinking Water	02/29/20 9:00	03/03/20 15:55
REM-001-006-BP-P	0030024-06	Drinking Water	02/29/20 9:01	03/03/20 15:55
REM-001-007-KF-P	0030024-07	Drinking Water	02/29/20 9:02	03/03/20 15:55
REM-001-008-WC-P	0030024-08	Drinking Water	02/29/20 9:07	03/03/20 15:55
REM-001-009-WC-P	0030024-09	Drinking Water	02/29/20 9:08	03/03/20 15:55
REM-001-010-WC-P	0030024-10	Drinking Water	02/29/20 9:10	03/03/20 15:55
REM-001-011-WC-P	0030024-11	Drinking Water	02/29/20 9:11	03/03/20 15:55
REM-001-012-WC-P	0030024-12	Drinking Water	02/29/20 9:16	03/03/20 15:55
REM-001-013-WC-P	0030024-13	Drinking Water	02/29/20 9:17	03/03/20 15:55

Samples were received in good condition at 2.2 degrees C unless otherwise noted.



## Summary of Detections

03/10/2020

Work Order: 0030024

Waypoint ID	Client ID	Parameter	Method	Result	Units
0030024-01	REM-001-001-KF-P	Copper	*200.8	0.11	mg/L
0030024-02	REM-001-002-KF-P	Copper	*200.8	0.10	mg/L
0030024-03	REM-001-003-KF-P	Copper	*200.8	0.11	mg/L
0030024-05	REM-001-005-KF-P	Copper	*200.8	0.11	mg/L
0030024-06	REM-001-006-BP-P	Copper	*200.8	0.057	mg/L
0030024-07	REM-001-007-KF-P	Copper	*200.8	0.089	mg/L
0030024-08	REM-001-008-WC-P	Copper	*200.8	0.092	mg/L
0030024-09	REM-001-009-WC-P	Copper	*200.8	0.10	mg/L
0030024-10	REM-001-010-WC-P	Copper	*200.8	0.11	mg/L
0030024-11	REM-001-011-WC-P	Copper	*200.8	0.11	mg/L
0030024-12	REM-001-012-WC-P	Copper	*200.8	0.094	mg/L
0030024-13	REM-001-013-WC-P	Copper	*200.8	0.11	mg/L

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McNair  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: REM-001-001-KF-P  
Sample ID: 0030024-01  
Work Order: 0030024  
Time Collected: 02/29/20 08:53  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	3/5/20 23:33	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 23:33	MMR	P0C0091

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McNair  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: REM-001-002-KF-P  
Sample ID: 0030024-02  
Work Order: 0030024  
Time Collected: 02/29/20 08:51  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.10	mg/L	0.0020	0.00094	1	*200.8	3/5/20 23:40	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 23:40	MMR	P0C0091

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03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McNair  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: REM-001-003-KF-P  
Sample ID: 0030024-03  
Work Order: 0030024  
Time Collected: 02/29/20 08:52  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	3/5/20 23:46	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 23:46	MMR	P0C0091

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03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McNair  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: REM-001-004-IM-P  
Sample ID: 0030024-04  
Work Order: 0030024  
Time Collected: 02/29/20 08:56  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	BRL	mg/L	0.0020	0.00094	1	*200.8	3/5/20 23:53	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 23:53	MMR	P0C0091

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03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McNair  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: REM-001-005-KF-P  
Sample ID: 0030024-05  
Work Order: 0030024  
Time Collected: 02/29/20 09:00  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	3/5/20 23:59	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/5/20 23:59	MMR	P0C0091

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McNair  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: REM-001-006-BP-P  
Sample ID: 0030024-06  
Work Order: 0030024  
Time Collected: 02/29/20 09:01  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.057	mg/L	0.0020	0.00094	1	*200.8	3/6/20 0:06	MMR	P0C0091
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/6/20 0:06	MMR	P0C0091

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McNair  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: REM-001-007-KF-P  
Sample ID: 0030024-07  
Work Order: 0030024  
Time Collected: 02/29/20 09:02  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.089	mg/L	0.0020	0.00094	1	*200.8	3/6/20 0:39	MMR	P0C0092
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/6/20 0:39	MMR	P0C0092

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03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McNair  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: REM-001-008-WC-P  
Sample ID: 0030024-08  
Work Order: 0030024  
Time Collected: 02/29/20 09:07  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.092	mg/L	0.0020	0.00094	1	*200.8	3/6/20 1:12	MMR	P0C0092
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/6/20 1:12	MMR	P0C0092

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03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McNair  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: REM-001-009-WC-P  
Sample ID: 0030024-09  
Work Order: 0030024  
Time Collected: 02/29/20 09:08  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.10	mg/L	0.0020	0.00094	1	*200.8	3/6/20 1:19	MMR	P0C0092
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/6/20 1:19	MMR	P0C0092

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03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McNair  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: REM-001-010-WC-P  
Sample ID: 0030024-10  
Work Order: 0030024  
Time Collected: 02/29/20 09:10  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	3/6/20 1:25	MMR	P0C0092
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/6/20 1:25	MMR	P0C0092

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McNair  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: REM-001-011-WC-P  
Sample ID: 0030024-11  
Work Order: 0030024  
Time Collected: 02/29/20 09:11  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	3/6/20 1:32	MMR	P0C0092
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/6/20 1:32	MMR	P0C0092

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McNair  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: REM-001-012-WC-P  
Sample ID: 0030024-12  
Work Order: 0030024  
Time Collected: 02/29/20 09:16  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.094	mg/L	0.0020	0.00094	1	*200.8	3/6/20 1:38	MMR	P0C0092
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/6/20 1:38	MMR	P0C0092

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# Laboratory Report

03/10/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - McNair  
Elementary  
Sample Matrix: Drinking Water

Client Sample ID: REM-001-013-WC-P  
Sample ID: 0030024-13  
Work Order: 0030024  
Time Collected: 02/29/20 09:17  
Time Submitted: 03/03/20 15:55

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	3/6/20 1:45	MMR	P0C0092
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/6/20 1:45	MMR	P0C0092

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409



Hart & Hickman (Charlotte)  
 Attn: Christine Schaefer  
 2923 South Tryon St. Ste 100  
 Charlotte, NC 28203

Project: GCS-001 - McNair Elementary

Work Order: 0030024

Time Submitted: 3/3/2020 3:55:00PM

**Total Metals - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-------

**Batch P0C0091 - 200.8**

<b>Blank (P0C0091-BLK1)</b>				Prepared: 03/04/20 Analyzed: 03/05/20				
Copper	BRL	0.0020	mg/L					
Lead	BRL	0.0020	mg/L					
<b>LCS (P0C0091-BS1)</b>				Prepared: 03/04/20 Analyzed: 03/05/20				
Copper	0.101	0.0020	mg/L	0.1000	101	85-115		
Lead	0.0969	0.0020	mg/L	0.1000	97	85-115		

**Batch P0C0092 - 200.8**

<b>Blank (P0C0092-BLK1)</b>				Prepared: 03/04/20 Analyzed: 03/06/20				
Copper	BRL	0.0020	mg/L					
Lead	BRL	0.0020	mg/L					
<b>LCS (P0C0092-BS1)</b>				Prepared: 03/04/20 Analyzed: 03/06/20				
Copper	0.0978	0.0020	mg/L	0.1000	98	85-115		
Lead	0.0970	0.0020	mg/L	0.1000	97	85-115		
<b>Matrix Spike (P0C0092-MS1)</b>				<b>Source: 0030024-07</b>	Prepared: 03/04/20 Analyzed: 03/06/20			
Copper	0.183	0.0020	mg/L	0.1000	0.0889	94	70-130	
Lead	0.0952	0.0020	mg/L	0.1000	BRL	95	70-130	
<b>Matrix Spike Dup (P0C0092-MSD1)</b>				<b>Source: 0030024-07</b>	Prepared: 03/04/20 Analyzed: 03/06/20			
Copper	0.177	0.0020	mg/L	0.1000	0.0889	88	70-130	4 20
Lead	0.0980	0.0020	mg/L	0.1000	BRL	98	70-130	3 20

**Sample Extraction Data****Prep Method: 200.8**

Lab Number	Batch	Initial	Final	Date/Time
0030024-01	P0C0091	50 mL	50 mL	03/04/20 14:42
0030024-02	P0C0091	50 mL	50 mL	03/04/20 14:42
0030024-03	P0C0091	50 mL	50 mL	03/04/20 14:42
0030024-04	P0C0091	50 mL	50 mL	03/04/20 14:42
0030024-05	P0C0091	50 mL	50 mL	03/04/20 14:42
0030024-06	P0C0091	50 mL	50 mL	03/04/20 14:42
0030024-07	P0C0092	50 mL	50 mL	03/04/20 14:47
0030024-08	P0C0092	50 mL	50 mL	03/04/20 14:47
0030024-09	P0C0092	50 mL	50 mL	03/04/20 14:47
0030024-10	P0C0092	50 mL	50 mL	03/04/20 14:47
0030024-11	P0C0092	50 mL	50 mL	03/04/20 14:47
0030024-12	P0C0092	50 mL	50 mL	03/04/20 14:47
0030024-13	P0C0092	50 mL	50 mL	03/04/20 14:47

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**APPENDIX I**  
**PRUETTE SCALE SCHOOL RESULTS**

School Name: Pruette Scale School	Report Date(s): 3/25/2020	
Date Test Conducted: 3/14/2020	Date Results Received: 3/24/2020	
Number of Faucets Tested: 8		
<b>Lead Results</b>	<b>Copper Results</b>	
Results 15 ppb and above: 0	Results 1.3 ppm and above: 0	
Results 10 ppb to below 15 ppb: 0	Detectable results below 1.3 ppm: 7	
Detectable results below 10 ppb: 3	Results below detection level: 1	
Results below detection level: 5		
<b>Number of Faucets Requiring Remedial Action: 0</b>		
Location of Faucet	Action Taken	Date:
Sample ID:	<input type="checkbox"/> Temporarily taken out of service: <input type="checkbox"/> Permanently taken out of service: <input type="checkbox"/> Flush tested: Flush test result: <input type="checkbox"/> Replaced: <input type="checkbox"/> Retest: Retest result: Other: _____ <input type="checkbox"/> Placed back in service on:	
Location Description:		
<b>Daily School-Wide Flushing:</b> <input type="checkbox"/> Continue with protocol <input checked="" type="checkbox"/> Discontinue flushing protocol (date): 3/25/20 <input type="checkbox"/> Other (Describe: _____)		
This is a summary report prepared by Hart & Hickman, PC (H&H). H&H suggests that the full report be referred to with regard to findings, recommendations, and technical limitations for this sampling event.		

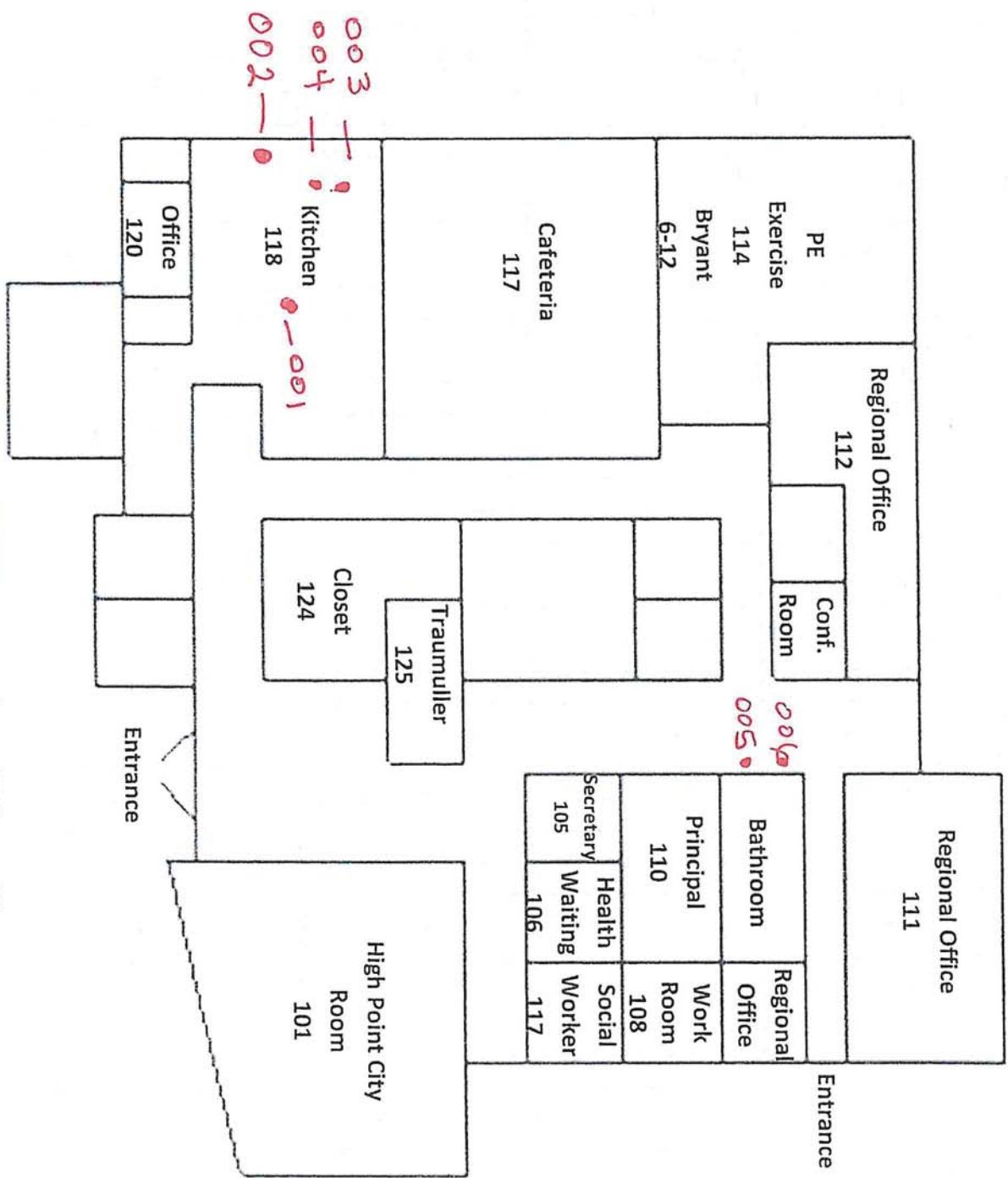
**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Pruette Scale School**  
**High Point, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
PRU-001-001-KF-P	001	3/14/2020	200.8	2.6	0.15
PRU-001-002-IM-P	002	3/14/2020		<2.0	<0.0020
PRU-001-003-KF-P	003	3/14/2020		4.9	0.13
PRU-001-004-KF-P	004	3/14/2020		4.4	0.18
PRU-001-005-WC-P	005	3/14/2020		<2.0	0.15
PRU-001-006-WC-P	006	3/14/2020		<2.0	0.17
PRU-002-007-WC-P	007	3/14/2020		<2.0	0.16
PRU-002-008-WC-P	008	3/14/2020		<2.0	0.18
District Action Threshold <sup>(3)</sup>				10	1.3

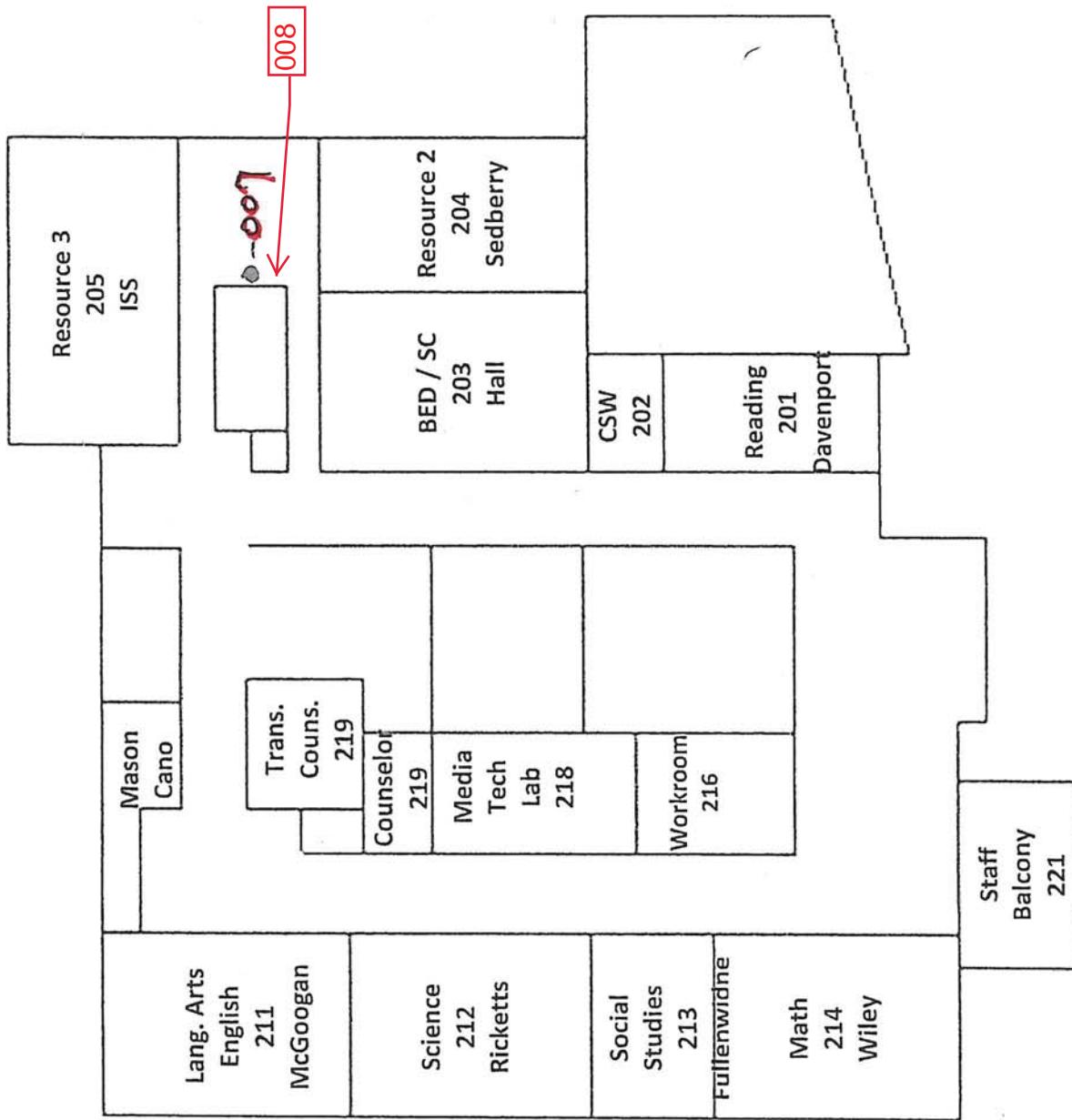
**Notes**

- 1.) Lead results reported in parts per billion (ppb).
- 2.) Copper results reported in parts per million (ppm).
- 3.) Action threshold established by Guilford County Schools.

Angela Moore 1.21.10



Pruette SCALE Lower Level Floor Plan



Pruette SCALE Upper Level Floor Plan

SCHOOL:

Pruette, SColo.

DATE 1-21-12

SAMPLE LOCATION CODE	ROOM	LOCATION	Fixture Type	BRAND	AGE	COUNT
001		Kitchen	Food Prep			
002		Kitchen	Ice maker			
003		Kitchen	3 Dept. Sink L/H			
004		Kitchen	3 Dept. Sink R/H			
005		Hall	Water Fountain			
006		Hall	Water Fountain			
007		Hall	Water Fountain			
008						

Hart &amp; Hickman notes based on field conditions identified during sampling:

- A second water cooler was identified adjacent to water cooler 007 and a sample was collected (008)

012						
013						
014						
015						
016						
017						
018						
019						
020						
021						
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025						
026						
027						
028						
029						
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031						
032						
033						
034						
035						
036						
037						
038						
039						
040						
041						
042						
043						
044						

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Pruette Scale School

Lab Submittal Date: 03/17/2020  
Work Order: 0030248

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

**WAYPOINT ANALYTICAL**



Angela D. Overcash

Senior Project Manager

**Data Qualifiers Key Reference:**

BRL Below Reporting Limit

MDL Method Detection Limit

RPD Relative Percent Difference

\* Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.



## Sample Receipt Summary

03/24/2020

Work Order: 0030248

Client Sample ID	Lab Sample ID	Matrix	Date/Time Sampled	Date/Time Received
PRU-001-001-KF-P	0030248-01	Drinking Water	03/14/20 8:40	03/17/20 16:00
PRU-001-002-IM-P	0030248-02	Drinking Water	03/14/20 8:44	03/17/20 16:00
PRU-001-003-KF-P	0030248-03	Drinking Water	03/14/20 8:48	03/17/20 16:00
PRU-001-004-KF-P	0030248-04	Drinking Water	03/14/20 8:49	03/17/20 16:00
PRU-001-005-WC-P	0030248-05	Drinking Water	03/14/20 8:57	03/17/20 16:00
PRU-001-006-WC-P	0030248-06	Drinking Water	03/14/20 8:58	03/17/20 16:00
PRU-002-007-WC-P	0030248-07	Drinking Water	03/14/20 9:07	03/17/20 16:00
PRU-002-008-WC-P	0030248-08	Drinking Water	03/14/20 9:08	03/17/20 16:00

Samples were received in good condition at 2.2 degrees C unless otherwise noted.



## Summary of Detections

03/24/2020

Work Order: 0030248

Waypoint ID	Client ID	Parameter	Method	Result	Units
0030248-01	PRU-001-001-KF-P	Copper	*200.8	0.15	mg/L
0030248-01	PRU-001-001-KF-P	Lead	*200.8	0.0026	mg/L
0030248-03	PRU-001-003-KF-P	Copper	*200.8	0.13	mg/L
0030248-03	PRU-001-003-KF-P	Lead	*200.8	0.0049	mg/L
0030248-04	PRU-001-004-KF-P	Copper	*200.8	0.18	mg/L
0030248-04	PRU-001-004-KF-P	Lead	*200.8	0.0044	mg/L
0030248-05	PRU-001-005-WC-P	Copper	*200.8	0.15	mg/L
0030248-06	PRU-001-006-WC-P	Copper	*200.8	0.17	mg/L
0030248-07	PRU-002-007-WC-P	Copper	*200.8	0.16	mg/L
0030248-08	PRU-002-008-WC-P	Copper	*200.8	0.18	mg/L

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Pruette Scale  
School  
Sample Matrix: Drinking Water

Client Sample ID: PRU-001-001-KF-P  
Sample ID: 0030248-01  
Work Order: 0030248  
Time Collected: 03/14/20 08:40  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	3/19/20 16:39	MMR	P0C0379
Lead	0.0026	mg/L	0.0020	0.00082	1	*200.8	3/19/20 16:39	MMR	P0C0379

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Pruette Scale  
School  
Sample Matrix: Drinking Water

Client Sample ID: PRU-001-002-IM-P  
Sample ID: 0030248-02  
Work Order: 0030248  
Time Collected: 03/14/20 08:44  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	BRL	mg/L	0.0020	0.00094	1	*200.8	3/19/20 17:05	MMR	P0C0379
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 17:05	MMR	P0C0379

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Pruette Scale  
School  
Sample Matrix: Drinking Water

Client Sample ID: PRU-001-003-KF-P  
Sample ID: 0030248-03  
Work Order: 0030248  
Time Collected: 03/14/20 08:48  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	3/19/20 17:12	MMR	P0C0379
Lead	0.0049	mg/L	0.0020	0.00082	1	*200.8	3/19/20 17:12	MMR	P0C0379

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Pruette Scale  
School  
Sample Matrix: Drinking Water

Client Sample ID: PRU-001-004-KF-P  
Sample ID: 0030248-04  
Work Order: 0030248  
Time Collected: 03/14/20 08:49  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.18	mg/L	0.0020	0.00094	1	*200.8	3/19/20 17:19	MMR	P0C0379
Lead	0.0044	mg/L	0.0020	0.00082	1	*200.8	3/19/20 17:19	MMR	P0C0379

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Pruette Scale  
School  
Sample Matrix: Drinking Water

Client Sample ID: PRU-001-005-WC-P  
Sample ID: 0030248-05  
Work Order: 0030248  
Time Collected: 03/14/20 08:57  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	3/19/20 17:25	MMR	P0C0379
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 17:25	MMR	P0C0379

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Pruette Scale  
School  
Sample Matrix: Drinking Water

Client Sample ID: PRU-001-006-WC-P  
Sample ID: 0030248-06  
Work Order: 0030248  
Time Collected: 03/14/20 08:58  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.17	mg/L	0.0020	0.00094	1	*200.8	3/19/20 17:32	MMR	P0C0379
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 17:32	MMR	P0C0379

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Pruette Scale  
School  
Sample Matrix: Drinking Water

Client Sample ID: PRU-002-007-WC-P  
Sample ID: 0030248-07  
Work Order: 0030248  
Time Collected: 03/14/20 09:07  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.16	mg/L	0.0020	0.00094	1	*200.8	3/19/20 17:39	MMR	P0C0379
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 17:39	MMR	P0C0379

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Pruette Scale  
School  
Sample Matrix: Drinking Water

Client Sample ID: PRU-002-008-WC-P  
Sample ID: 0030248-08  
Work Order: 0030248  
Time Collected: 03/14/20 09:08  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.18	mg/L	0.0020	0.00094	1	*200.8	3/19/20 17:45	MMR	P0C0379
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 17:45	MMR	P0C0379

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Hart & Hickman (Charlotte)  
 Attn: Christine Schaefer  
 2923 South Tryon St. Ste 100  
 Charlotte, NC 28203

Project: GCS-001 - Pruette Scale School

Work Order: 0030248

Time Submitted: 3/17/2020 4:00:00PM

**Total Metals - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	---------	-------

**Batch P0C0379 - 200.8**

<b>Blank (P0C0379-BLK1)</b>				Prepared & Analyzed: 03/19/20				
Copper	BRL	0.0020	mg/L					
Lead	BRL	0.0020	mg/L					
<b>LCS (P0C0379-BS1)</b>				Prepared & Analyzed: 03/19/20				
Copper	0.101	0.0020	mg/L	0.1000	101	85-115		
Lead	0.100	0.0020	mg/L	0.1000	100	85-115		
<b>Matrix Spike (P0C0379-MS2)</b>				<b>Source: 0030248-01</b>	Prepared & Analyzed: 03/19/20			
Copper	0.249	0.0020	mg/L	0.1000	0.148	101	70-130	
Lead	0.114	0.0020	mg/L	0.1000	0.00262	111	70-130	

**Sample Extraction Data****Prep Method: 200.8**

Lab Number	Batch	Initial	Final	Date/Time
0030248-01	P0C0379	50 mL	50 mL	03/19/20 11:06
0030248-02	P0C0379	50 mL	50 mL	03/19/20 11:06
0030248-03	P0C0379	50 mL	50 mL	03/19/20 11:06
0030248-04	P0C0379	50 mL	50 mL	03/19/20 11:06
0030248-05	P0C0379	50 mL	50 mL	03/19/20 11:06
0030248-06	P0C0379	50 mL	50 mL	03/19/20 11:06
0030248-07	P0C0379	50 mL	50 mL	03/19/20 11:06
0030248-08	P0C0379	50 mL	50 mL	03/19/20 11:06



**APPENDIX J**  
**FERNDALE MIDDLE SCHOOL RESULTS**

School Name: Ferndale Middle School	Report Date(s): 5/14/2021	
Date Test Conducted: 3/14/2020	Date Results Received: 3/24/2020	
Number of Faucets Tested: 26		
<b>Lead Results</b>	<b>Copper Results</b>	
Results 15 ppb and above: 1	Results 1.3 ppm and above: 0	
Results 10 ppb to below 15 ppb: 0	Detectable results below 1.3 ppm: 25	
Detectable results below 10 ppb: 3	Results below detection level: 1	
Results below detection level: 22		
<b>Number of Faucets Requiring Remedial Action: 1</b>		
Location of Faucet	Action Taken	Date:
Sample ID: FER-001-028-KF-P  Location Description: FER-001-028-KF-P: water sprayer in the kitchen	<input checked="" type="checkbox"/> Temporarily taken out of service: <input checked="" type="checkbox"/> Permanently taken out of service: <input type="checkbox"/> Flush tested: Flush test result: <input type="checkbox"/> Replaced: <input type="checkbox"/> Retest: Retest result: Other: _____ <input type="checkbox"/> Placed back in service on:	3/25/2020 3/24/2021
<b>Daily School-Wide Flushing:</b>		
<input type="checkbox"/> Continue with protocol <input checked="" type="checkbox"/> Discontinue flushing protocol (date): 3/25/20 <input checked="" type="checkbox"/> Other (Describe: Water sprayer in the kitchen was bagged off and temporarily taken out of use on 3/25/20 until the fixture was permanently removed on 3/24/21. Note that delays in taking the fixture permanently out of service were associated with school closures due to the Covid pandemic.)		
This is a summary report prepared by Hart & Hickman, PC (H&H). H&H suggests that the full report be referred to with regard to findings, recommendations, and technical limitations for this sampling event.		

**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Ferndale Middle School**  
**High Point, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
FER-001-001-KF-P	001	3/14/2020	200.8	7.3	0.071
FER-001-002-KF-P	002	3/14/2020		<2.0	0.12
FER-001-003-BP-P	003	3/14/2020		<2.0	0.12
FER-001-004-IM-P	004	3/14/2020		<2.0	<0.0020
FER-001-005-KF-P	005	3/14/2020		<2.0	0.092
FER-001-006-KF-P	006	3/14/2020		<2.0	0.11
FER-001-007-KF-P	007	3/14/2020		2.2	0.13
FER-001-008-WC-P	008	3/14/2020		<2.0	0.11
FER-001-010-WC-P	010	3/14/2020		<2.0	0.13
FER-001-011-WC-P	011	3/14/2020		6.1	0.13
FER-001-012-WC-P	012	3/14/2020		<2.0	0.15
FER-002-013-WC-P	013	3/14/2020		<2.0	0.14
FER-002-015-WC-P	015	3/14/2020		<2.0	0.15
FER-002-016-WC-P	016	3/14/2020		<2.0	0.16
FER-002-017-WC-P	017	3/14/2020		<2.0	0.097
FER-002-018-WC-P	018	3/14/2020		<2.0	0.13
FER-002-019-WC-P	019	3/14/2020		<2.0	0.17
FER-002-020-WC-P	020	3/14/2020		<2.0	0.16
FER-002-021-WC-P	021	3/14/2020		<2.0	0.15
FER-002-022-WC-P	022	3/14/2020		<2.0	0.14
FER-003-023-WC-P	023	3/14/2020		<2.0	0.11
FER-003-024-WC-P	024	3/14/2020		<2.0	0.11
FER-003-025-WC-P	025	3/14/2020		<2.0	0.13
FER-003-026-WC-P	026	3/14/2020		<2.0	0.10

**Table 1**  
**Summary of First-Draw Drinking Water Sample Analytical Results**  
**Guilford County Schools**  
**Ferndale Middle School**  
**High Point, North Carolina**  
**H&H Job No. GCS-001**

Sample ID	Guilford County Sample Location Code	Sampling Date	Analytical Method	Lead	Copper
				ppb <sup>(1)</sup>	ppm <sup>(2)</sup>
FER-003-027-WC-P	027	3/14/2020	200.8	<2.0	0.13
FER-001-028-KF-P	028	3/14/2020		<b>110</b>	0.70
District Threshold <sup>(3)</sup>				10	1.3

**Notes**

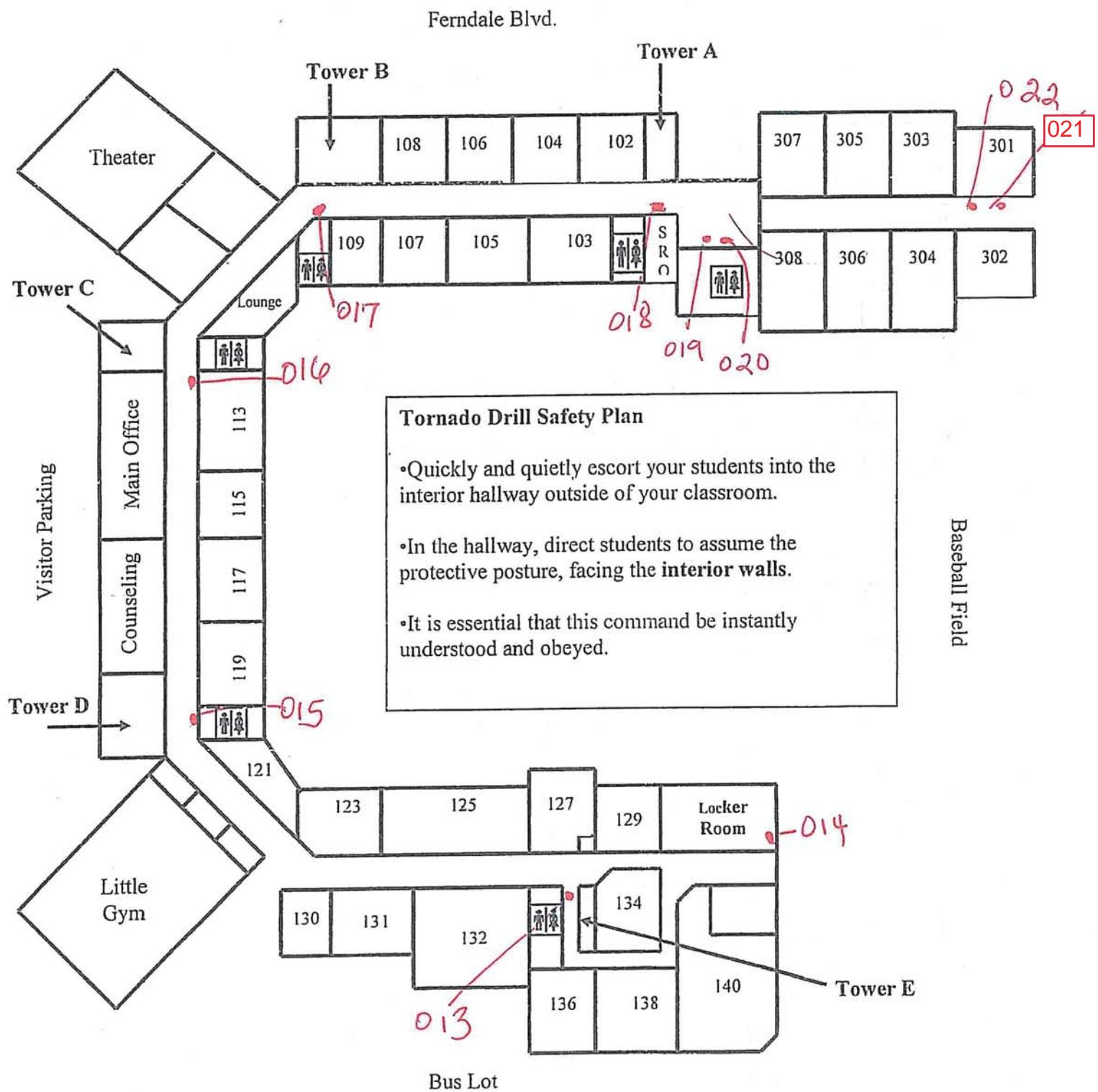
- 1.) Lead results reported in parts per billion (ppb).
- 2.) Copper results reported in parts per million (ppm).
- 3.) Remediation threshold established by Guilford County Schools.  
Concentrations in bold exceed the remediation threshold established by Guilford County Schools.

Ferndale Middle School  
First Floor

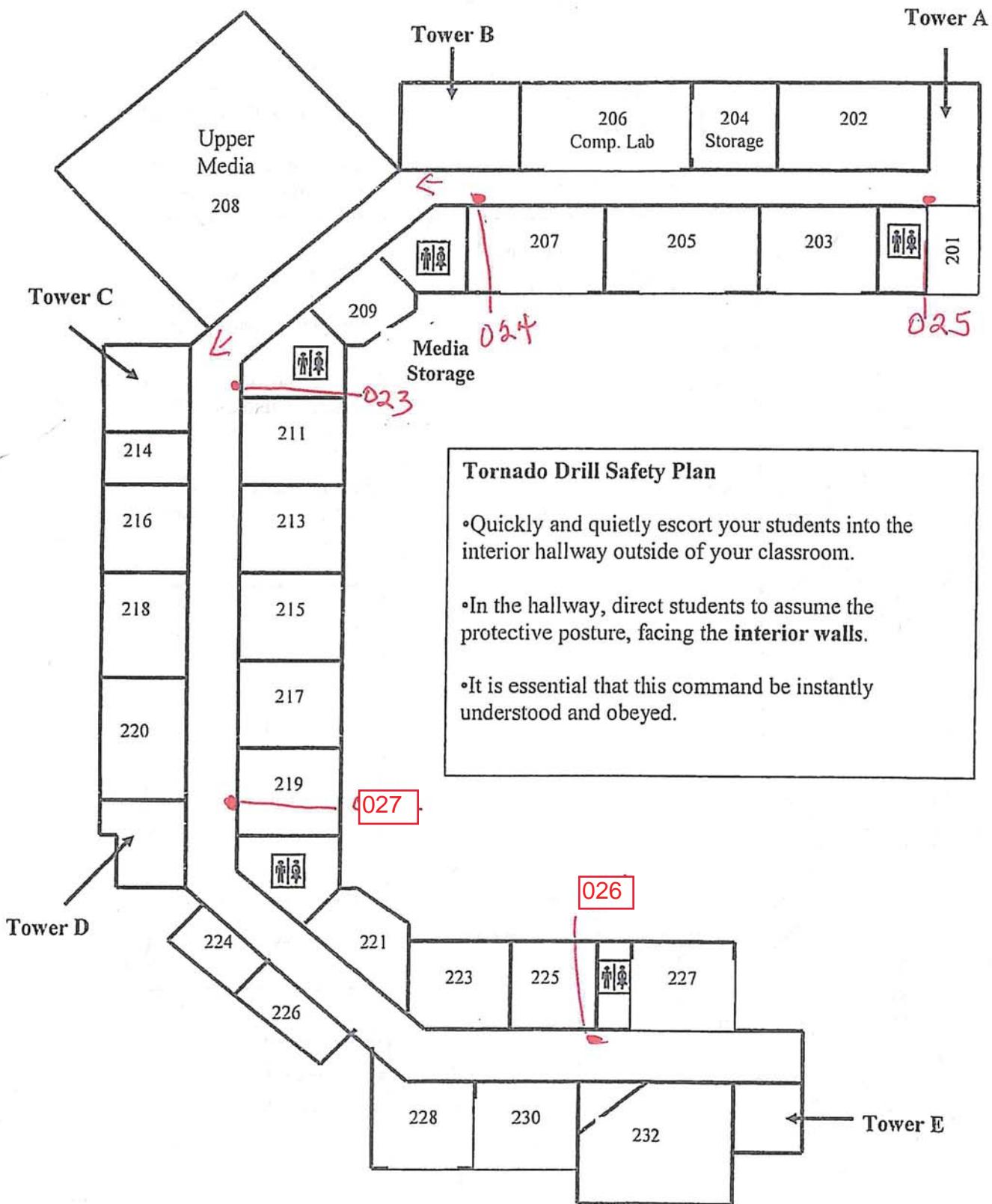
0 1-10-20

8th Long Key  
Schlange

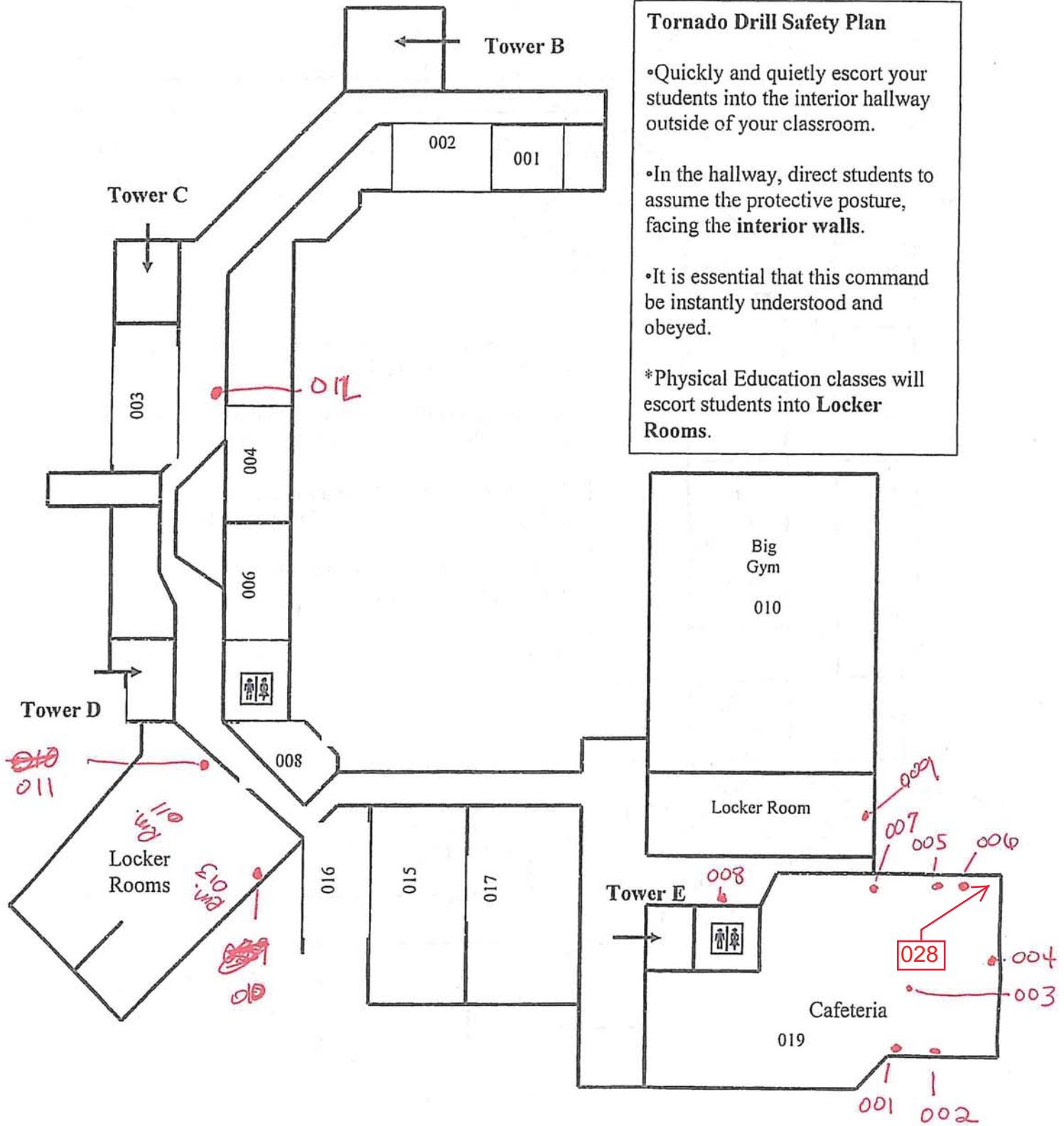
AD Key



**Ferndale Middle School**  
**Second Floor**



Ferndale Middle School  
Basement Level



**Tornado Drill Safety Plan**

- Quickly and quietly escort your students into the interior hallway outside of your classroom.
- In the hallway, direct students to assume the protective posture, facing the interior walls.
- It is essential that this command be instantly understood and obeyed.
- \*Physical Education classes will escort students into Locker Rooms.

SCHOOL: Ferndale Middle School

DATE 01-21-

<u>SAMPLE LOCATION</u>	<u>ROOM</u>	<u>LOCATION</u>	<u>Fixture Type</u>	<u>BRAND</u>	<u>AGE</u>	<u>COUNT</u>
<u>CODE</u>						
001		Cafe	Sprayer Faucet			
002		Cafe	Food Prep. & Dept			
003		Cafe	Braising Pan			
004		Cafe	Ice maker			
005		Cafe	3 Dept Sink L.H.			
006		Cafe	3 Dept Sink R.H.			
007		Cafe	Food Prep.			
008		Hall	Water Fountain			
009		Locker Rm. <del>13</del>	Water Fountain			
010	Rm 013	Locken Rm	Water Fountain			
011	Rm 011	<del>Hall</del> Locker Rm	Water Fountain			
012		Hall	Water Fountain			
013	Hall	Water Fountain near Rm 127				
014		Locken Rm	Water Fountain			
015		Hall	Water Fountain			
016		Hall	Water Fountain			
017		Hall	Water Fountain			
018		Hall	Water Fountain			
019		Hall	Water Fountain			
020		Hall	Water Fountain			
021		Hall	Water Fountain			
022		Hall	Water Fountain			
023		Hall	Water Fountain			
024		Hall	Water Fountain			
025		Hall	Water Fountain			
026		Hall	Water Fountain			
027		Hall	Water Fountain			
028						
029						

Hart & Hickman notes based on field conditions identified during sampling:

- A second water sprayer was identified in the kitchen and a sample was collected (028)
- Sample locations 009 and 014 (porcelain water fountains) were out of service and no samples were collected

034						
035						
036						
037						
038						
039						
040						
041						
042						
043						
044						

Hart & Hickman (Charlotte)  
Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle School

Lab Submittal Date: 03/17/2020  
Work Order: 0030249

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

**WAYPOINT ANALYTICAL**



Angela D. Overcash

Senior Project Manager

**Data Qualifiers Key Reference:**

BRL Below Reporting Limit

MDL Method Detection Limit

RPD Relative Percent Difference

\* Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.



## Sample Receipt Summary

03/24/2020

Work Order: 0030249

Client Sample ID	Lab Sample ID	Matrix	Date/Time Sampled	Date/Time Received
FER-001-001-KF-P	0030249-01	Drinking Water	03/14/20 10:01	03/17/20 16:00
FER-001-002-KF-P	0030249-02	Drinking Water	03/14/20 10:02	03/17/20 16:00
FER-001-003-BP-P	0030249-03	Drinking Water	03/14/20 10:03	03/17/20 16:00
FER-001-004-IM-P	0030249-04	Drinking Water	03/14/20 10:04	03/17/20 16:00
FER-001-005-KF-P	0030249-05	Drinking Water	03/14/20 10:05	03/17/20 16:00
FER-001-006-KF-P	0030249-06	Drinking Water	03/14/20 10:06	03/17/20 16:00
FER-001-007-KF-P	0030249-07	Drinking Water	03/14/20 10:07	03/17/20 16:00
FER-001-008-WC-P	0030249-08	Drinking Water	03/14/20 10:42	03/17/20 16:00
FER-001-010-WC-P	0030249-09	Drinking Water	03/14/20 10:50	03/17/20 16:00
FER-001-011-WC-P	0030249-10	Drinking Water	03/14/20 10:53	03/17/20 16:00
FER-001-012-WC-P	0030249-11	Drinking Water	03/14/20 11:01	03/17/20 16:00
FER-002-013-WC-P	0030249-12	Drinking Water	03/14/20 11:09	03/17/20 16:00
FER-002-015-WC-P	0030249-13	Drinking Water	03/14/20 11:15	03/17/20 16:00
FER-002-016-WC-P	0030249-14	Drinking Water	03/14/20 11:20	03/17/20 16:00
FER-002-017-WC-P	0030249-15	Drinking Water	03/14/20 11:26	03/17/20 16:00
FER-002-018-WC-P	0030249-16	Drinking Water	03/14/20 11:29	03/17/20 16:00
FER-002-019-WC-P	0030249-17	Drinking Water	03/14/20 11:35	03/17/20 16:00
FER-002-020-WC-P	0030249-18	Drinking Water	03/14/20 11:37	03/17/20 16:00
FER-002-021-WC-P	0030249-19	Drinking Water	03/14/20 11:44	03/17/20 16:00
FER-002-022-WC-P	0030249-20	Drinking Water	03/14/20 11:45	03/17/20 16:00
FER-003-023-WC-P	0030249-21	Drinking Water	03/14/20 12:03	03/17/20 16:00
FER-003-024-WC-P	0030249-22	Drinking Water	03/14/20 12:05	03/17/20 16:00
FER-003-025-WC-P	0030249-23	Drinking Water	03/14/20 12:07	03/17/20 16:00
FER-003-026-WC-P	0030249-24	Drinking Water	03/14/20 11:57	03/17/20 16:00
FER-003-027-WC-P	0030249-25	Drinking Water	03/14/20 12:00	03/17/20 16:00
FER-001-028-KF-P	0030249-26	Drinking Water	03/14/20 10:23	03/17/20 16:00

Samples were received in good condition at 2.2 degrees C unless otherwise noted.



## Summary of Detections

03/24/2020

Work Order: 0030249

Waypoint ID	Client ID	Parameter	Method	Result	Units
0030249-01	FER-001-001-KF-P	Copper	*200.8	0.071	mg/L
0030249-01	FER-001-001-KF-P	Lead	*200.8	0.0073	mg/L
0030249-02	FER-001-002-KF-P	Copper	*200.8	0.12	mg/L
0030249-03	FER-001-003-BP-P	Copper	*200.8	0.12	mg/L
0030249-05	FER-001-005-KF-P	Copper	*200.8	0.092	mg/L
0030249-06	FER-001-006-KF-P	Copper	*200.8	0.11	mg/L
0030249-07	FER-001-007-KF-P	Copper	*200.8	0.13	mg/L
0030249-07	FER-001-007-KF-P	Lead	*200.8	0.0022	mg/L
0030249-08	FER-001-008-WC-P	Copper	*200.8	0.11	mg/L
0030249-09	FER-001-010-WC-P	Copper	*200.8	0.13	mg/L
0030249-10	FER-001-011-WC-P	Copper	*200.8	0.13	mg/L
0030249-10	FER-001-011-WC-P	Lead	*200.8	0.0061	mg/L
0030249-11	FER-001-012-WC-P	Copper	*200.8	0.15	mg/L
0030249-12	FER-002-013-WC-P	Copper	*200.8	0.14	mg/L
0030249-13	FER-002-015-WC-P	Copper	*200.8	0.15	mg/L
0030249-14	FER-002-016-WC-P	Copper	*200.8	0.16	mg/L
0030249-15	FER-002-017-WC-P	Copper	*200.8	0.097	mg/L
0030249-16	FER-002-018-WC-P	Copper	*200.8	0.13	mg/L
0030249-17	FER-002-019-WC-P	Copper	*200.8	0.17	mg/L
0030249-18	FER-002-020-WC-P	Copper	*200.8	0.16	mg/L
0030249-19	FER-002-021-WC-P	Copper	*200.8	0.15	mg/L
0030249-20	FER-002-022-WC-P	Copper	*200.8	0.14	mg/L
0030249-21	FER-003-023-WC-P	Copper	*200.8	0.11	mg/L
0030249-22	FER-003-024-WC-P	Copper	*200.8	0.11	mg/L
0030249-23	FER-003-025-WC-P	Copper	*200.8	0.13	mg/L
0030249-24	FER-003-026-WC-P	Copper	*200.8	0.10	mg/L
0030249-25	FER-003-027-WC-P	Copper	*200.8	0.13	mg/L
0030249-26	FER-001-028-KF-P	Copper	*200.8	0.70	mg/L
0030249-26	FER-001-028-KF-P	Lead	*200.8	0.11	mg/L

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-001-001-KF-P  
Sample ID: 0030249-01  
Work Order: 0030249  
Time Collected: 03/14/20 10:01  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.071	mg/L	0.0020	0.00094	1	*200.8	3/20/20 14:33	MMR	P0C0413
Lead	0.0073	mg/L	0.0020	0.00082	1	*200.8	3/20/20 14:33	MMR	P0C0413

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-001-002-KF-P  
Sample ID: 0030249-02  
Work Order: 0030249  
Time Collected: 03/14/20 10:02  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	3/19/20 17:52	MMR	P0C0379
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 17:52	MMR	P0C0379

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-001-003-BP-P  
Sample ID: 0030249-03  
Work Order: 0030249  
Time Collected: 03/14/20 10:03  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.12	mg/L	0.0020	0.00094	1	*200.8	3/20/20 14:39	MMR	P0C0413
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/20/20 14:39	MMR	P0C0413

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-001-004-IM-P  
Sample ID: 0030249-04  
Work Order: 0030249  
Time Collected: 03/14/20 10:04  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	BRL	mg/L	0.0020	0.00094	1	*200.8	3/19/20 17:58	MMR	P0C0379
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 17:58	MMR	P0C0379

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-001-005-KF-P  
Sample ID: 0030249-05  
Work Order: 0030249  
Time Collected: 03/14/20 10:05  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.092	mg/L	0.0020	0.00094	1	*200.8	3/19/20 18:51	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 18:51	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-001-006-KF-P  
Sample ID: 0030249-06  
Work Order: 0030249  
Time Collected: 03/14/20 10:06  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	3/19/20 18:58	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 18:58	MMR	P0C0380

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03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-001-007-KF-P  
Sample ID: 0030249-07  
Work Order: 0030249  
Time Collected: 03/14/20 10:07  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	3/19/20 19:05	MMR	P0C0380
Lead	0.0022	mg/L	0.0020	0.00082	1	*200.8	3/19/20 19:05	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-001-008-WC-P  
Sample ID: 0030249-08  
Work Order: 0030249  
Time Collected: 03/14/20 10:42  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	3/19/20 19:11	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 19:11	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-001-010-WC-P  
Sample ID: 0030249-09  
Work Order: 0030249  
Time Collected: 03/14/20 10:50  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	3/19/20 19:31	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 19:31	MMR	P0C0380

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03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-001-011-WC-P  
Sample ID: 0030249-10  
Work Order: 0030249  
Time Collected: 03/14/20 10:53  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	3/20/20 14:45	MMR	P0C0413
Lead	0.0061	mg/L	0.0020	0.00082	1	*200.8	3/20/20 14:45	MMR	P0C0413

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-001-012-WC-P  
Sample ID: 0030249-11  
Work Order: 0030249  
Time Collected: 03/14/20 11:01  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	3/19/20 19:38	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 19:38	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-002-013-WC-P  
Sample ID: 0030249-12  
Work Order: 0030249  
Time Collected: 03/14/20 11:09  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.14	mg/L	0.0020	0.00094	1	*200.8	3/19/20 19:45	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 19:45	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-002-015-WC-P  
Sample ID: 0030249-13  
Work Order: 0030249  
Time Collected: 03/14/20 11:15  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	3/19/20 19:51	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 19:51	MMR	P0C0380

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Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409



# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-002-016-WC-P  
Sample ID: 0030249-14  
Work Order: 0030249  
Time Collected: 03/14/20 11:20  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.16	mg/L	0.0020	0.00094	1	*200.8	3/19/20 19:58	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 19:58	MMR	P0C0380

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449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543

Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409



# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-002-017-WC-P  
Sample ID: 0030249-15  
Work Order: 0030249  
Time Collected: 03/14/20 11:26  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.097	mg/L	0.0020	0.00094	1	*200.8	3/19/20 20:04	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 20:04	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-002-018-WC-P  
Sample ID: 0030249-16  
Work Order: 0030249  
Time Collected: 03/14/20 11:29  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	3/19/20 20:31	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 20:31	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-002-019-WC-P  
Sample ID: 0030249-17  
Work Order: 0030249  
Time Collected: 03/14/20 11:35  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.17	mg/L	0.0020	0.00094	1	*200.8	3/19/20 20:38	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 20:38	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-002-020-WC-P  
Sample ID: 0030249-18  
Work Order: 0030249  
Time Collected: 03/14/20 11:37  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.16	mg/L	0.0020	0.00094	1	*200.8	3/19/20 18:32	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 18:32	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-002-021-WC-P  
Sample ID: 0030249-19  
Work Order: 0030249  
Time Collected: 03/14/20 11:44  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.15	mg/L	0.0020	0.00094	1	*200.8	3/19/20 20:44	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 20:44	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-002-022-WC-P  
Sample ID: 0030249-20  
Work Order: 0030249  
Time Collected: 03/14/20 11:45  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.14	mg/L	0.0020	0.00094	1	*200.8	3/19/20 20:51	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 20:51	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-003-023-WC-P  
Sample ID: 0030249-21  
Work Order: 0030249  
Time Collected: 03/14/20 12:03  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	3/19/20 20:57	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 20:57	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-003-024-WC-P  
Sample ID: 0030249-22  
Work Order: 0030249  
Time Collected: 03/14/20 12:05  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.11	mg/L	0.0020	0.00094	1	*200.8	3/19/20 21:04	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 21:04	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-003-025-WC-P  
Sample ID: 0030249-23  
Work Order: 0030249  
Time Collected: 03/14/20 12:07  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	3/19/20 21:11	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 21:11	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-003-026-WC-P  
Sample ID: 0030249-24  
Work Order: 0030249  
Time Collected: 03/14/20 11:57  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.10	mg/L	0.0020	0.00094	1	*200.8	3/19/20 21:17	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 21:17	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-003-027-WC-P  
Sample ID: 0030249-25  
Work Order: 0030249  
Time Collected: 03/14/20 12:00  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.13	mg/L	0.0020	0.00094	1	*200.8	3/19/20 21:24	MMR	P0C0380
Lead	BRL	mg/L	0.0020	0.00082	1	*200.8	3/19/20 21:24	MMR	P0C0380

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# Laboratory Report

03/24/2020

Hart & Hickman (Charlotte)  
Attn: Christine Schaefer  
2923 South Tryon St. Ste 100  
Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
School  
Sample Matrix: Drinking Water

Client Sample ID: FER-001-028-KF-P  
Sample ID: 0030249-26  
Work Order: 0030249  
Time Collected: 03/14/20 10:23  
Time Submitted: 03/17/20 16:00

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
<b>Total Metals</b>									
Copper	0.70	mg/L	0.010	0.0047	5	*200.8	3/20/20 15:33	MMR	P0C0413
Lead	0.11	mg/L	0.0020	0.00082	1	*200.8	3/20/20 14:51	MMR	P0C0413

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Hart & Hickman (Charlotte)  
 Attn: Christine Schaefer  
 2923 South Tryon St. Ste 100  
 Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
 School

Work Order: 0030249  
 Time Submitted: 3/17/2020 4:00:00PM

#### Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Notes
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#### Batch P0C0379 - 200.8

<b>Blank (P0C0379-BLK1)</b>				Prepared & Analyzed: 03/19/20				
Copper	BRL	0.0020	mg/L					
Lead	BRL	0.0020	mg/L					
<b>LCS (P0C0379-BS1)</b>				Prepared & Analyzed: 03/19/20				
Copper	0.101	0.0020	mg/L	0.1000	101	85-115		
Lead	0.100	0.0020	mg/L	0.1000	100	85-115		

#### Batch P0C0380 - 200.8

<b>Blank (P0C0380-BLK1)</b>				Prepared & Analyzed: 03/19/20				
Copper	BRL	0.0020	mg/L					
Lead	BRL	0.0020	mg/L					
<b>LCS (P0C0380-BS1)</b>				Prepared & Analyzed: 03/19/20				
Copper	0.0991	0.0020	mg/L	0.1000	99	85-115		
Lead	0.101	0.0020	mg/L	0.1000	101	85-115		
<b>Matrix Spike (P0C0380-MS1)</b>				<b>Source: 0030249-18</b>	Prepared & Analyzed: 03/19/20			
Copper	0.259	0.0020	mg/L	0.1000	0.165	94	70-130	
Lead	0.112	0.0020	mg/L	0.1000	BRL	112	70-130	
<b>Matrix Spike (P0C0380-MS2)</b>				<b>Source: 0030249-15</b>	Prepared & Analyzed: 03/19/20			
Copper	0.194	0.0020	mg/L	0.1000	0.0971	97	70-130	
Lead	0.111	0.0020	mg/L	0.1000	BRL	111	70-130	
<b>Matrix Spike Dup (P0C0380-MSD1)</b>				<b>Source: 0030249-18</b>	Prepared & Analyzed: 03/19/20			
Copper	0.258	0.0020	mg/L	0.1000	0.165	93	70-130	0.3
Lead	0.114	0.0020	mg/L	0.1000	BRL	114	70-130	1
								10



Hart & Hickman (Charlotte)  
 Attn: Christine Schaefer  
 2923 South Tryon St. Ste 100  
 Charlotte, NC 28203

Project: GCS-001 - Ferndale Middle  
 School

Work Order: 0030249  
 Time Submitted: 3/17/2020 4:00:00PM

#### Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	RPD Limit	Notes
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#### Batch P0C0413 - 200.8

Blank (P0C0413-BLK1)				Prepared & Analyzed: 03/20/20				
Copper	BRL	0.0020	mg/L					
Lead	BRL	0.0020	mg/L					
LCS (P0C0413-BS1)					Prepared & Analyzed: 03/20/20			
Copper	0.0997	0.0020	mg/L	0.1000	100	85-115		
Lead	0.0986	0.0020	mg/L	0.1000	99	85-115		

#### Sample Extraction Data

##### Prep Method: 200.8

Lab Number	Batch	Initial	Final	Date/Time
0030249-01	P0C0413	50 mL	50 mL	03/20/20 8:11
0030249-02	P0C0379	50 mL	50 mL	03/19/20 11:06
0030249-03	P0C0413	50 mL	50 mL	03/20/20 8:11
0030249-04	P0C0379	50 mL	50 mL	03/19/20 11:06
0030249-05	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-06	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-07	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-08	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-09	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-10	P0C0413	50 mL	50 mL	03/20/20 8:11
0030249-11	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-12	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-13	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-14	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-15	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-16	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-17	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-18	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-19	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-20	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-21	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-22	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-23	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-24	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-25	P0C0380	50 mL	50 mL	03/19/20 11:08
0030249-26	P0C0413	50 mL	50 mL	03/20/20 8:11
0030249-26	P0C0413	50 mL	50 mL	03/20/20 8:11

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# PRISM

LABORATORIES, INC.

## CHAIN OF CUSTODY RECORD

PAGE 1 OF 2 QUOTE # TO ENSURE PROPER BILLING:

Full Service Analytical & Environmental Solutions  
449 Springbrook Road • P.O. Box 240543 • Charlotte, NC 28224-0543  
Phone: 704/529-6364 • Fax: 704/525-0409

Client/Company Name: H&H  
Report To/Contact Name: Christina Schaefer

Reporting Address: 2923 S. Tryon Street  
Charlotte, NC 28203

Phone: 704-386-0007 Fax (Yes) NO  
Email YES (No) Email Address christaer@hartnield.com

EDD Type: ✓ PDF ✓ Excel Other

Site Location Name: Ferndale Middle School  
Site Location Physical Address: 6900 High Point Rd, NC

Purchase Order No./Billing Reference GCS.001  
Requested Date Date 1 Day 2 Days 3 Days 4 Days 5 Days  
"Working Days" 6-9 Days Standard 10 days

Samples Received after 15:00 will be processed next business day.

(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL						
Certification:		NEAC	USACE	FL	NC	✓
SC	OTHER	N/A				
Water Chlorinated: YES <u>✓</u> NO <u>NO</u>						
Sample Iced Upon Collection: YES <u>NO</u> ✓						

LAB USE ONLY		
YES	NO	N/A
Samples INTACT upon arrival?		
Received ON WET ICE? Temp		
PROPER PRESERVATIVES indicated?		
Received WITHIN HOLDING TIMES?		
CUSTODY SEALS INTACT?		
VOLATILES Iced w/out HEADSPACE?		
PROPER CONTAINERS used?		

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	MATRIX (SOIL, WATER OR SLUDGE)	*TYPE SEE BELOW	SAMPLE CONTAINER	PRESERVATIVES	ANALYSES REQUESTED		REMARKS	PRISM LAB ID NO.
							Pb	Cr & 200-8		
FER-001-001-KF-P	03-14-20	1001	Water	P	1	125	HNO3	✓		01
FER-001-002-KF-P		1002	Water	P	1	125	HNO3	✓		02
FER-001-003-BP-P		1003	Water	P	1	125	HNO3	✓		03
FER-001-004-IM-P		1004	Water	P	1	125	HNO3	✓		04
FER-001-005-KF-P		1005	Water	P	1	125	HNO3	✓		05
FER-001-006-KF-P		1006	Water	P	1	125	HNO3	✓		06
FER-001-007-KF-P		1007	Water	P	1	125	HNO3	✓		07
FER-001-008-WC-P		1042	Water	P	1	125	HNO3	✓		08
FER-001-009-WC-P		1050	Water	P	1	125	HNO3	✓		
FER-001-010-WC-P		1050	Water	P	1	125	HNO3	✓		

Sampler's Signature: Jessica Henson

Sampled By (Print Name): Jessica Henson

Affiliation: Hart and Hickman

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)

Received By: (Signature)

Date: 03-16-20 Military Hours: 12:30  
Additional Comments: Military Hours

Site Arrival Time:

Date: 03-16-20 14:15

Site Departure Time:

Field Tech Fee:

Mileage:

Log-in Group No.:

Date: 3-17-20 16:00

Log-in Group No.:

Date: 3-17-20 13:15

Log-in Group No.



