



October 31, 2017

**Via E-Mail: Joshua\_I\_williams@dekalbschoolsga.org**

Mr. Joshua L. Williams, MBA, MSM, PMP  
Chief Operations Officer  
DeKalb County School District  
Operations Division  
Sam Moss Service Center  
1780 Montreal Road  
Tucker, Georgia 30084

**Re: Summary of Additional Lead in Drinking Water Sample Results  
Murphy Candler Elementary School (Facility ID #4052)  
6775 S. Goddard Road, Lithonia, Georgia 30038  
AEM Project No. 1561-1601**

Dear Mr. Williams:

Atlanta Environmental Management, Inc. (AEM) is pleased to provide the DeKalb County School District (DCSD) an electronic copy of the Final Technical Lead in Drinking Water Sampling Report for Murphy Candler Elementary School (Facility ID #4052).

Initial sampling was conducted on October 6, 2016, and analytical results were received from Analytical Environmental Services, Inc., on October 20, 2016. Additional drinking water samples from select source units were collected on March 22, 2017, and September 20, 2017, and analytical results were received from Analytical Environmental Services, Inc., on April 5, 2017, and October 2, 2017.

## **FINDINGS**

### ***Initial Testing***

AEM collected 68 drinking water samples from 34 sources at Murphy Candler Elementary School (Facility ID #4052), including two duplicate samples (see Figure 1). A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 1.

Samples were collected in accordance with the Water Sampling Methodology Protocol for DeKalb County School District, dated September 12, 2016. A copy of AEM's Field Sampling Notes is provided in Attachment A.

Three sources sampled had a drinking water sample result that contained lead at a concentration at or above EPA's action level of 15 parts per billion (ppb). These sources are indicated in bold and shaded font in the attached table. A copy of the AES laboratory analytical report is provided in Attachment B.

In addition, DeKalb County Watershed Management (DCWM) collected a split sample with AEM from the Service Connection Water Line adjacent to Goddard Road. DCWM's sample (23–Murphy Candler Elem) was analyzed by Pace Analytical Services, Inc. An excerpt from the Pace laboratory analytical report is provided in Attachment C.

**Initial Sample Results of Previously Identified Inoperable Source Units**

During the initial sampling event on October 6, 2016, two source units were inoperable and could not be sampled. DCSD made repairs to the inoperable source units, and AEM collected two drinking water samples from DF-004 on March 22, 2017, and two samples from DF-006 on September 20, 2017. A description of the drinking water outlet sampled and a summary of sample analytical results are provided in Table 1.

None of the samples from these source units had a drinking water sample result that contained lead at a concentration at or above EPA's action level of 15 ppb.

**Sample Results of Previously Identified Source Units That Exceeded 15 ppb**

During the initial sampling event on October 6, 2016, three source units were sampled and the analytical results indicated that the results were above EPA's action level of 15 ppb. DCSD replaced the source units and AEM collected six drinking water samples on March 22, 2017. A description of the drinking water outlet sampled and a summary of sample analytical results are provided in Table 1.

None of the samples from source units KS-009 and KS-010 had a drinking water sample result that contained lead at a concentration at or above EPA's action level of 15 ppb. One or more of the samples collected from source unit KS-011 exceeded the EPA action level of 15 ppb. Source unit KS-011 remained out of service so that additional remediation measures could be evaluated.

A filter was added to the faucet of KS-011 and retesting was conducted on September 20, 2017. None of the samples collected from KS-011 contained lead at a concentration exceeding EPA's action level of 15 ppb.

**Sample Results of Previously Identified Source Units That Were Inconclusive**

During the initial sampling event on October 6, 2016, the analytical result for the service connection was inconclusive. A resampling of the service connection was conducted on March 22, 2017, where AEM collected one sample. A description of the source unit sampled and a summary of sample analytical results are provided in Table 1.

The result for the service connection was below EPA's action level of 15 ppb.

We appreciate your selection of AEM for this project. If you have any questions, please do not hesitate to contact us.

Sincerely,

**Atlanta Environmental Management, Inc.**



Leona Miles, CHMM  
Senior Project Manager



Janet T. Hart  
President

/krf

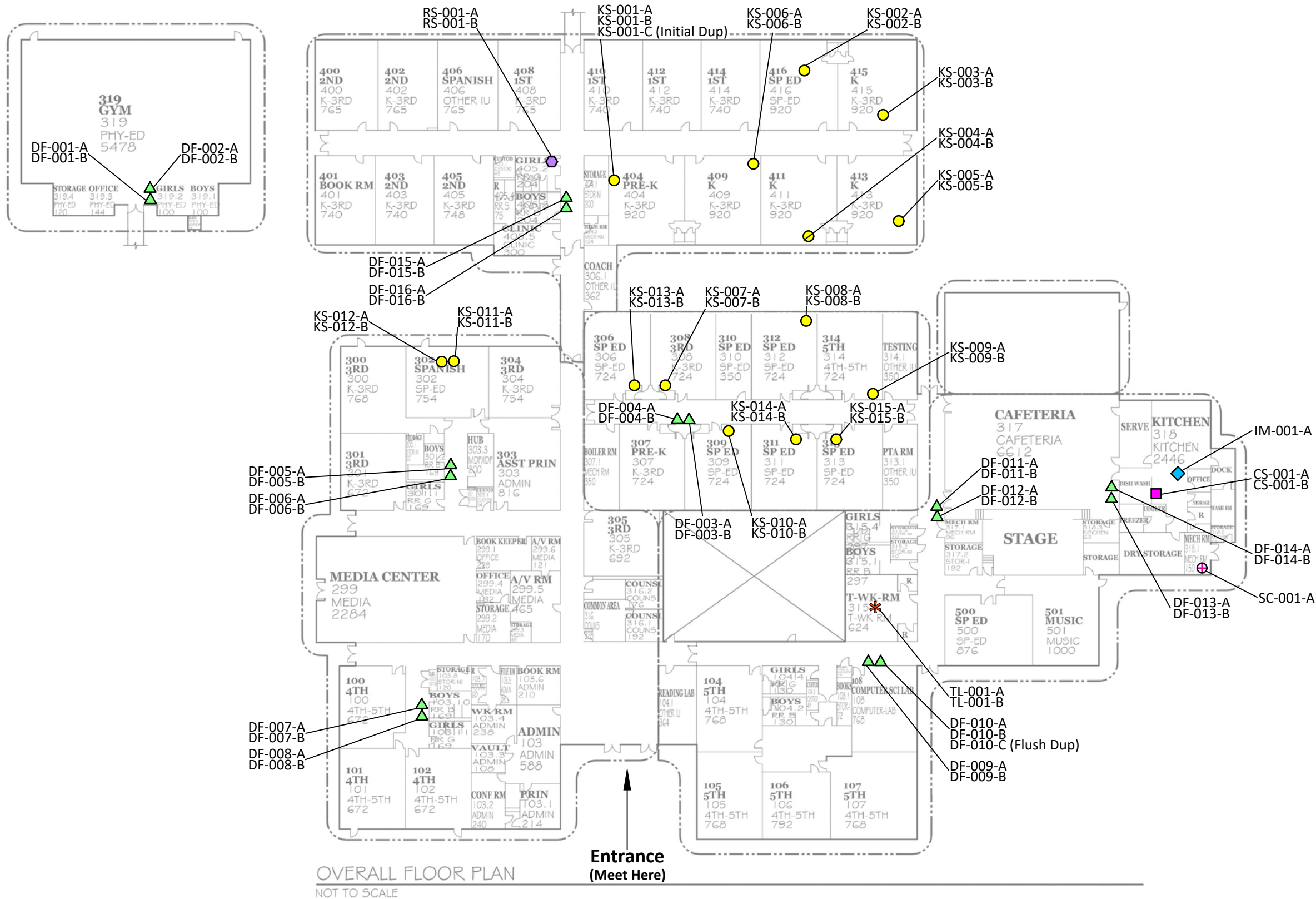
cc: Daniel Drake (DCSD)  
Tracee Hill (DCSD)


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# FIGURE

# Legend

- - Cafeteria Sink (CS)
- ▲ - Drinking Fountain (DF)
- ◆ - Ice Maker (IM)
- - Kindergarten Sink (KS)
- - Restroom Sink (RS)
- ⊕ - Service Connection (SC)
- \* - Teachers Lounge (TL)



 <b>Atlanta Environmental Management, Inc.</b> Environmental Consulting, Engineering, Hydrogeologic Services 2580 Northeast Expressway • Atlanta, Georgia 30345 Phone: 404.329.9006 • Fax: 404.329.2057		Client: DeKalb County School District Site Location: Murphy Candler Elementary Facility (#4052) 6775 S Goddard Road Lithonia, GA 30038	
PROJECT #:	1561-1601-4052	DATE:	October 17, 2017
DRAWN BY:	AL	REVISED:	----
CHECKED BY:	TR	SCALE:	NTS
PROJECT MGR:	LM	PRINTED:	10/17/2017 5:44 PM
<b>Sample Location Plan</b>			Figure <b>1</b>

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# TABLE

**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results**

**Murphy Candler Elementary School**

6775 S. Goddard Road, Lithonia, GA 30038



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
4052-100616-DF-001-A	Initial Draw sample; Upper Right Halsey Taylor Drinking Fountain in the hallway near the Gym Entrance	10/6/16 5:39 AM	None Detected
4052-100616-DF-001-B	Flush sample; Upper Right Halsey Taylor Drinking Fountain in the hallway near the Gym Entrance	10/6/16 5:40 AM	None Detected
4052-100616-DF-002-A	Initial Draw sample; Lower Left Halsey Taylor Drinking Fountain in the hallway near the Gym Entrance	10/6/16 5:43 AM	None Detected
4052-100616-DF-002-B	Flush sample; Lower Left Halsey Taylor Drinking Fountain in the hallway near the Gym Entrance	10/6/16 5:44 AM	None Detected
4052-100616-DF-003-A	Initial Draw sample; Lower Left Elkay Drinking Fountain in hallway across from Rm 308; Wall Mounted	10/6/16 5:01 AM	None Detected
4052-100616-DF-003-B	Flush sample; Lower Left Elkay Drinking Fountain in hallway across from Rm 308; Wall Mounted	10/6/16 5:02 AM	None Detected
4052-100616-DF-004-A	Not Sampled; Upper Right Elkay Drinking Fountain in hallway across from Rm 308; Inoperable	NS	NS
4052-100616-DF-004-B	Not Sampled; Upper Right Elkay Drinking Fountain in hallway across from Rm 308; Inoperable	NS	NS
4052-032217-DF-004-A	Initial Draw sample; Upper Right Elkay Drinking Fountain in hallway across from Rm 308	3/22/17 5:09 AM	None Detected
4052-032217-DF-004-B	Flush sample; Upper Right Elkay Drinking Fountain in hallway across from Rm 308	3/22/17 5:10 AM	None Detected
4052-100616-DF-005-A	Initial Draw sample; Lower Elkay Drinking Fountain in hallway near Rm 300	10/6/16 5:17 AM	None Detected
4052-100616-DF-005-B	Flush sample; Lower Elkay Drinking Fountain in hallway near Rm 300	10/6/16 5:18 AM	None Detected
4052-100616-DF-006-A	Not sampled; Upper Elkay Drinking Fountain in hallway near Rm 300 inoperable	NS	NS
4052-100616-DF-006-B	Not sampled; Upper Elkay Drinking Fountain in hallway near Rm 300 inoperable	NS	NS
4052-032217-DF-006-A	Not sampled; Upper Elkay Drinking Fountain in hallway near Rm 300 inoperable	NS	NS
4052-032217-DF-006-B	Not sampled; Upper Elkay Drinking Fountain in hallway near Rm 300 inoperable	NS	NS
4052-092017-DF-006-A	Initial Draw Sample; Upper Elkay Drinking Fountain in hallway near Rm 300	9/20/17 4:50 AM	None Detected
4052-092017-DF-006-B	Flush Sample; Upper Elkay Drinking Fountain in hallway near Rm 300	9/20/17 4:51 AM	None Detected
4052-100616-DF-007-A	Initial Draw sample; Upper Elkay Drinking Fountain in hallway near Rm 102	10/6/16 5:02 AM	None Detected
4052-100616-DF-007-B	Flush sample; Upper Elkay Drinking Fountain in hallway near Rm 102	10/6/16 5:03 AM	None Detected

**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results**

**Murphy Candler Elementary School**

6775 S. Goddard Road, Lithonia, GA 30038



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
4052-100616-DF-008-A	Initial Draw sample; Lower Elkay Drinking Fountain in hallway near Rm 102	10/6/16 5:06 AM	None Detected
4052-100616-DF-008-B	Flush sample; Lower Elkay Drinking Fountain in hallway near Rm 102	10/6/16 5:07 AM	None Detected
4052-100616-DF-009-A	Initial Draw sample; Upper Right Elkay Wall Mounted Drinking Fountain in hallway near Rm 108	10/6/16 4:50 AM	None Detected
4052-100616-DF-009-B	Flush sample; Upper Right Elkay Wall Mounted Drinking Fountain in hallway near Rm 108	10/6/16 4:51 AM	None Detected
4052-100616-DF-010-A	Initial Draw sample; Lower Left Elkay Wall Mounted Drinking Fountain in hallway near Rm 108	10/6/16 4:53 AM	3.11
4052-100616-DF-010-B	Flush sample; Lower Left Elkay Wall Mounted Drinking Fountain in hallway near Rm 108	10/6/16 4:54 AM	3.43
4052-100616-DF-010-C	Flush Sample Duplicate; Lower Left Elkay Wall Mounted Drinking Fountain in hallway near Rm 108	10/6/16 4:55 AM	2.41
4052-100616-DF-011-A	Initial Draw sample; Lower Left Elkay Wall Mounted Drinking Fountain in hallway next to Cafeteria	10/6/16 5:14 AM	None Detected
4052-100616-DF-011-B	Flush sample; Lower Left Elkay Wall Mounted Drinking Fountain in hallway next to Cafeteria	10/6/16 5:15 AM	None Detected
4052-100616-DF-012-A	Initial Draw sample; Upper Right Elkay Wall Mounted Drinking Fountain in hallway next to Cafeteria	10/6/16 5:17 AM	None Detected
4052-100616-DF-012-B	Flush sample; Upper Right Elkay Wall Mounted Drinking Fountain in hallway next to Cafeteria	10/6/16 5:18 AM	None Detected
4052-100616-DF-013-A	Initial Draw sample; Upper Right Elkay Wall Mounted Drinking Fountain in Cafeteria next to stage	10/6/16 5:28 AM	None Detected
4052-100616-DF-013-B	Flush sample; Upper Right Elkay Wall Mounted Drinking Fountain in Cafeteria next to stage	10/6/16 5:29 AM	None Detected
4052-100616-DF-014-A	Initial Draw sample; Lower Left Elkay Wall Mounted Drinking Fountain in Cafeteria next to stage	10/6/16 5:24 AM	1.03
4052-100616-DF-014-B	Flush sample; Lower Left Elkay Wall Mounted Drinking Fountain in Cafeteria next to stage	10/6/16 5:25 AM	None Detected



**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results**

**Murphy Candler Elementary School**

6775 S. Goddard Road, Lithonia, GA 30038



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
4052-100616-DF-015-A	Initial Draw sample; Upper Right Drinking Fountain in hallway near Girl's RR and Clinic	10/6/16 5:24 AM	None Detected
4052-100616-DF-015-B	Flush sample; Upper Right Drinking Fountain in hallway near Girl's RR and Clinic	10/6/16 5:25 AM	None Detected
4052-100616-DF-016-A	Initial Draw sample; Lower Left Drinking Fountain in hallway near Girl's RR and Clinic	10/6/16 5:28 AM	None Detected
4052-100616-DF-016-B	Flush sample; Lower Left Drinking Fountain in hallway near Girl's RR and Clinic	10/6/16 5:29 AM	None Detected
4052-100616-KS-001-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 404	10/6/16 5:34 AM	None Detected
4052-100616-KS-001-B	Flush sample; Kindergarten Sink with bubbler in Rm 404	10/6/16 5:36 AM	None Detected
4052-100616-KS-001-C	Initial Draw sample duplicate; Kindergarten Sink with bubbler in Rm 404	10/6/16 5:35 AM	None Detected
4052-100616-KS-002-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 416	10/6/16 5:18 AM	None Detected
4052-100616-KS-002-B	Flush sample; Kindergarten Sink with bubbler in Rm 416	10/6/16 5:19 AM	None Detected
4052-100616-KS-003-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 415; water trickling out	10/6/16 5:00 AM	None Detected
4052-100616-KS-003-B	Flush sample; Kindergarten Sink with bubbler in Rm 415; water trickling out	10/6/16 5:01 AM	None Detected
4052-100616-KS-004-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 411; minor leak at Faucet	10/6/16 5:13 AM	None Detected
4052-100616-KS-004-B	Flush sample; Kindergarten Sink with bubbler in Rm 411; minor leak at Faucet	10/6/16 5:14 AM	None Detected
4052-100616-KS-005-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 413	10/6/16 5:07 AM	None Detected
4052-100616-KS-005-B	Flush sample; Kindergarten Sink with bubbler in Rm 413	10/6/16 5:08 AM	None Detected
4052-100616-KS-006-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 409; Kindergarten Sink rusted	10/6/16 5:40 AM	None Detected
4052-100616-KS-006-B	Flush sample; Kindergarten Sink with bubbler in Rm 409; Kindergarten Sink rusted	10/6/16 5:41 AM	None Detected
4052-100616-KS-007-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 308	10/6/16 5:08 AM	3.82
4052-100616-KS-007-B	Flush sample; Kindergarten Sink with bubbler in Rm 308	10/6/16 5:09 AM	1.99
4052-100616-KS-008-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 312; water was brown/turbid	10/6/16 5:19 AM	1.46
4052-100616-KS-008-B	Flush sample; Kindergarten Sink with bubbler in Rm 312; water was brown/turbid	10/6/16 5:20 AM	1.97
4052-100616-KS-009-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 314; water was turbid	10/6/16 5:24 AM	<b>32.9</b>
4052-100616-KS-009-B	Flush sample; Kindergarten Sink with bubbler in Rm 314; water was turbid	10/6/16 5:25 AM	5.71
4052-032217-KS-009-A	Initial Draw sample; Retest Kindergarten Sink with bubbler in Rm 314; sampled bubbler	3/22/17 5:02 AM	2.89
4052-032217-KS-009-B	Flush sample; Retest Kindergarten Sink with bubbler in Rm 314; sampled bubbler	3/22/17 5:03 AM	1.49
4052-100616-KS-010-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 309; water was turbid	10/6/16 5:13 AM	<b>127</b>
4052-100616-KS-010-B	Flush sample; Kindergarten Sink with bubbler in Rm 309; water was turbid	10/6/16 5:14 AM	4.39
4052-032217-KS-010-A	Initial Draw sample; Retest Kindergarten Sink with bubbler in Rm 309; sampled bubbler	3/22/17 5:06 AM	1.90
4052-032217-KS-010-B	Flush sample; Retest Kindergarten Sink with bubbler in Rm 309; sampled bubbler	3/22/17 5:07 AM	None Detected



**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results**

**Murphy Candler Elementary School**

6775 S. Goddard Road, Lithonia, GA 30038



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
4052-100616-KS-011-A	Initial Draw sample; Kindergarten Sink with no bubbler in Rm 302; facing the wall, the middle sink sampled	10/6/16 5:33 AM	30.1
4052-100616-KS-011-B	Flush sample; Kindergarten Sink with no bubbler in Rm 302; facing the wall, the middle sink sampled	10/6/16 5:34 AM	None Detected
4052-032217-KS-011-A	Initial Draw sample; Retest Kindergarten Sink with no bubbler in Rm 302; facing the wall, the middle sink sampled	3/22/17 5:13 AM	569
4052-032217-KS-011-B	Flush sample; Retest Kindergarten Sink with no bubbler in Rm 302; facing the wall, the middle sink sampled	3/22/17 5:14 AM	1.32
4052-092017-KS-011-A	Initial Draw sample; Retest Kindergarten Sink with no bubbler in Rm 302; facing the wall, the middle sink sampled	9/20/17 4:55 AM	10.4
4052-092017-KS-011-B	Flush sample; Retest Kindergarten Sink with no bubbler in Rm 302; facing the wall, the middle sink sampled	9/20/17 4:56 AM	None Detected
4052-100616-KS-012-A	Initial Draw sample; Kindergarten Sink with no bubbler in Rm 302; Left sink sampled	10/6/16 5:28 AM	4.69
4052-100616-KS-012-B	Flush sample; Kindergarten Sink with no bubbler in Rm 302; Left sink sampled	10/6/16 5:29 AM	1.19
4052-100616-KS-013-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 306	10/6/16 5:54 AM	14.1
4052-100616-KS-013-B	Flush sample; Kindergarten Sink with bubbler in Rm 306	10/6/16 5:55 AM	None Detected
4052-100616-KS-014-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 311; silty water	10/6/16 6:02 AM	5.47
4052-100616-KS-014-B	Flush sample; Kindergarten Sink with bubbler in Rm 311; silty water	10/6/16 6:03 AM	1.65
4052-100616-KS-015-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 313	10/6/16 6:06 AM	1.31
4052-100616-KS-015-B	Flush sample; Kindergarten Sink with bubbler in Rm 313	10/6/16 6:07 AM	None Detected
4052-100616-RS-001-A	Initial Draw sample; Right most Sink closest to the door near Girl's RR (Rm 405.2) across from Rm 408	10/6/16 5:32 AM	5.67
4052-100616-RS-001-B	Flush sample; Right most Sink closest to the door near Girl's RR (Rm 405.2) across from Rm 408	10/6/16 5:33 AM	None Detected
4052-100616-CS-001-A	Initial Draw sample; Food Prep Sink next to Walk in Cooler in Kitchen of the Cafeteria	10/6/16 5:39 AM	None Detected
4052-100616-CS-001-B	Flush sample; Food Prep Sink next to Walk in Cooler in Kitchen of the Cafeteria	10/6/16 5:40 AM	None Detected
4052-100616-IM-001-A	Initial Draw sample; Scottsman Prodigy Ice Machine in the Kitchen of the Cafeteria	10/6/16 5:32 AM	None Detected
4052-100616-TL-001-A	Initial Draw sample; Sink in Teacher's Lounge/Rm 315	10/6/16 5:08 AM	4.59

Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results

## Murphy Candler Elementary School

6775 S. Goddard Road, Lithonia, GA 30038



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
4052-100616-TL-001-B	Flush sample; Sink in Teacher's Lounge/Rm 315	10/6/16 5:09 AM	None Detected
4052-100616-SC-001-A	Main Service Connection Line at Goddard Road	10/6/16 6:00 AM	**
4052-032217-SC-001-A	Service Connection Entry into Building	3/22/17 4:54 AM	4.34
23-Murphy Candler Elem***	Dekalb County Water Shed Split sample of Service Connection Split with SC-001-A	10/6/16 6:00 AM	**

**Notes:**

ppb-parts per billion

**Bold**-Exceeds 15 ppb--EPA's Action Level for Lead

\* Note--Where "A" and "B" are indicated, AEM collected two samples at each source area location: ("A") initial draw sample; and ("B") after a 30-second flush sample

\*\* Inconclusive Sample Result; Resampling underway

\*\*\*Information provided by DeKalb County Watershed Management

NS-Not sampled; source unit was inoperable during the initial testing

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**ATTACHMENT A**  
**AEM Field Sampling Forms**

**DEKALB COUNTY SCHOOL DISTRICT  
LEAD IN DRINKING WATER FIELD DATA SHEET**

FACILITY NAME: MURPHY CANDLER ELEMENTARY FACILITY  
 ADDRESS: 6775 S Goddard Road Lithonia, GA, 30038

FACILITY ID: 4052

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/6/16	0450	4052 - 100616 - DF-009-A	108	In room Hallway	upper right Elcay of DF wall mount	UH
10/6/16	0451	4052 - 100616 - DF-009-B	" "	In room Hallway	" "	UH
10/6/16	0453	4052 - 100616 - DF-010-A	" "	In room Hallway	lower left Elcay of DF wall mount	UH
10/6/16	0454	4052 - 100616 - DF-010-B	" "	In room Hallway	" "	UH
10/6/16	0455	4052 - 100616 - DF-010-C	" "	In room Hallway	" flush bup "	UH
10/6/16	0508	4052 - 100616 - TL-001-A	Teacher's lounge	In room Hallway	sink	UH
10/6/16	0509	4052 - 100616 - TL-001-B	Teacher's lounge	In room Hallway	sink	UH
10/6/16	0514	4052 - 100616 - DF-011-A	next to Cafeteria	In room Hallway	lower left Elcay of DF wall mount	UH
10/6/16	0515	4052 - 100616 - DF-011-B	" "	In room Hallway	" "	UH
10/6/16	0517	4052 - 100616 - DF-012-A	" "	In room Hallway	upper right Elcay of DF wall mount	UH

LOCATION TYPE: AF = athletic field; CS = cafeteria sink; DF = drinking fountain; IM = ice maker; KS = kindergarten sink; RS = restroom sink; SC = service connection; TL = teachers' lounge. SAMPLE TYPE: A = initial draw; B = flush; C = duplicate

**DEKALB COUNTY SCHOOL DISTRICT  
LEAD IN DRINKING WATER FIELD DATA SHEET**

FACILITY NAME: MURPHY CANDLER ELEMENTARY FACILITY  
 ADDRESS: 6775 S Goddard Road Lithonia, GA, 30038

FACILITY ID: 4052

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/6/16	0518	4052 - 100616 - DF-012-B	next to cafeteria	In room Hallway	upper right Elkey of wall mount	LH
10/6/16	0524	4052 - 100616 - DF-014-A	in cafeteria next to stage	In room Hallway	lower left Elkey of wall mount	LH
10/6/16	0525	4052 - 100616 - DF-014-B	" "	In room Hallway	" "	LH
10/6/16	0528	4052 - 100616 - DF-013-A	" "	In room Hallway	upper right Elkey of wall mount	LH
10/6/16	0529	4052 - 100616 - DF-013-B	" "	In room Hallway	" "	LH
10/6/16	0532	4052 - 100616 - IM-001-A	kitchen in cafeteria	In room Hallway	scottzman prodigy IM	LH
10/6/16	0539	4052 - 100616 - CS-001-A	" "	In room Hallway	food prep next to walk in cooler (sink)	LH
10/6/16	0540	4052 - 100616 - CS-001-B	" "	In room Hallway	" "	LH
10/6/16		4052 - 100616 -		In room Hallway		
10/6/16		4052 - 100616 -		In room Hallway		

LOCATION TYPE: AF = athletic field; CS = cafeteria sink; DF = drinking fountain; IM = ice maker; KS = kindergarten sink; RS = restroom sink; SC = service connection; TL = teachers' lounge. SAMPLE TYPE: A = initial draw; B = flush; C = duplicate

**DEKALB COUNTY SCHOOL DISTRICT  
LEAD IN DRINKING WATER FIELD DATA SHEET**

FACILITY NAME: MURPHY CANDLER ELEMENTARY FACILITY  
 ADDRESS: 6775 S Goddard Road Lithonia, GA, 30038

FACILITY ID: 4052

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/6/16	0517	4052 - 100616 - DF-005 - A	300	In room Hallway	Lower DF Elkay Brand	SS
10/6/16	0518	4052 - 100616 - DF-005 - B	300	In room Hallway	↓	SS
10/6/16	0514	4052 - 100616 - DF-006 - A	300	In room Hallway	no sample	SS
10/6/16	0515	4052 - 100616 - DF-006 - B	300	In room Hallway	In operable High DF Elkay	SS
10/6/16	0502	4052 - 100616 - DF-007 - A	102	In room Hallway	High DF Elkay Brand	SS
10/6/16	0503	4052 - 100616 - DF-007 - B	102	In room Hallway	↓	SS
10/6/16	0506	4052 - 100616 - DF-008 A	102	In room Hallway	Lower DF Elkay Brand	SS
10/6/16	0507	4052 - 100616 - DF-008 B	102	In room Hallway	↓	SS
10/6/16	0529	4052 - 100616 - KS-012 - A	302	In room Hallway	sink only on No Bubble left	SS
10/6/16	0525	4052 - 100616 - KS-012 B	302	In room Hallway	↓	SS

LOCATION TYPE: AF = athletic field; CS = cafeteria sink; DF = drinking fountain; IM = ice maker; KS = kindergarten sink; RS = restroom sink; SC = service connection; TL = teachers' lounge. SAMPLE TYPE: A = initial draw; B = flush; C = duplicate



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FACILITY NAME: MURPHY CANDLER ELEMENTARY FACILITY  
 ADDRESS: 6775 S Goddard Road Lithonia, GA, 30038

FACILITY ID: 4052

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/6/16	0600	4052 - 100616 - SC - 001 - A	NA	In room Hallway	outside by street split w/water shed sample #23	SS
10/6/16	0533	4052 - 100616 - KS - 11 - A	302	In room Hallway	sink on right facing wall middle SS	
10/6/16	0534	4052 - 100616 - KS - 11 - B	302	In room Hallway	sink in middle	SS
10/6/16		4052 - 100616 -		In room Hallway	3 sink in Room 302 left sink + middle sink	
10/6/16		4052 - 100616 -		In room Hallway	sampled no Bubblers	
10/6/16		4052 - 100616 -		In room Hallway		
10/6/16		4052 - 100616 -		In room Hallway		
10/6/16		4052 - 100616 -		In room Hallway		
10/6/16		4052 - 100616 -		In room Hallway		

LOCATION TYPE: AF = athletic field; CS = cafeteria sink; DF = drinking fountain; IM = ice maker; KS = kindergarten sink; RS = restroom sink; SC = service connection; TL = teachers' lounge. SAMPLE TYPE: A = initial draw; B = flush; C = duplicate

**DEKALB COUNTY SCHOOL DISTRICT  
LEAD IN DRINKING WATER FIELD DATA SHEET**

FACILITY NAME: MURPHY CANDLER ELEMENTARY FACILITY  
 ADDRESS: 6775 S Goddard Road Lithonia, GA, 30038

FACILITY ID: 4052

NS  
NS

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/6/16	0459	4052 - 100616 - DF-004-A	across from Rm 308	In room Hallway	upper right DF - Elkay wall mounted - DF not working	KTW
10/6/16	0500	4052 - 100616 - DF-004-B	" "	In room Hallway	SAA NOT SAMPLED	KTW
10/6/16	0501	4052 - 100616 - DF-003-A	" "	In room Hallway	lower left DF - Elkay wall mounted	KTW
10/6/16	0502	4052 - 100616 - DF-003-B	" "	In room Hallway	SAA - water standing on arrival	KTW
10/6/16	0508	4052 - 100616 - KS-007-A	308	In room Hallway	KS w/ bubbler	KTW
10/6/16	0509	4052 - 100616 - KS-007-B	" "	In room Hallway	SAA	KTW
10/6/16	0513	4052 - 100616 - KS-010-A	309	In room Hallway	KS w/ bubbler - sink caked w/ dirt - water VERY dirty	KTW
10/6/16	0514	4052 - 100616 - KS-010-B	" "	In room Hallway	SAA - flush sample clear	KTW
10/6/16	0519	4052 - 100616 - KS-008-A	312	In room Hallway	S w/ bubbler brown water	KTW
10/6/16	0520	4052 - 100616 - KS-008-B	" "	In room Hallway	SAA	KTW

LOCATION TYPE: AF = athletic field; CS = cafeteria sink; DF = drinking fountain; IM = ice maker; KS = kindergarten sink; RS = restroom sink; SC = service connection; TL = teachers' lounge. SAMPLE TYPE: A = initial draw; B = flush; C = duplicate

**DEKALB COUNTY SCHOOL DISTRICT  
LEAD IN DRINKING WATER FIELD DATA SHEET**

FACILITY NAME: MURPHY CANDLER ELEMENTARY FACILITY  
 ADDRESS: 6775 S Goddard Road Lithonia, GA, 30038

FACILITY ID: 4052

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/6/16	0524	4052 - 100616 - KS-009 - A	314	In room Hallway	S w/ bubbler dirty water	KTW
10/6/16	0525	4052 - 100616 - KS-009 - B	" "	In room Hallway	SAA	KTW
10/6/16	0534	4052 - 100616 - KS-001 - A	404	In room Hallway	Sink w/ bubbler	KTW
10/6/16	0536	4052 - 100616 - KS-001 - B	" "	In room Hallway	SAA	KTW
10/6/16	0535	4052 - 100616 - KS-001 - C	" "	In room Hallway	SAA initial dup.	KTW
10/6/16	0540	4052 - 100616 - KS-006 - A	409	In room Hallway	S w/ bubbler - sink very rusted	KTW
10/6/16	0541	4052 - 100616 - KS-006 - B	" "	In room Hallway	SAA	KTW
10/6/16		4052 - 100616 -		In room Hallway		
10/6/16		4052 - 100616 -		In room Hallway		
10/6/16		4052 - 100616 -		In room Hallway		

LOCATION TYPE: AF = athletic field; CS = cafeteria sink; DF = drinking fountain; IM = ice maker; KS = kindergarten sink; RS = restroom sink; SC = service connection; TL = teachers' lounge. SAMPLE TYPE: A = initial draw; B = flush; C = duplicate

**DEKALB COUNTY SCHOOL DISTRICT  
LEAD IN DRINKING WATER FIELD DATA SHEET**

FACILITY NAME: MURPHY CANDLER ELEMENTARY FACILITY  
 ADDRESS: 6775 S Goddard Road Lithonia, GA, 30038

FACILITY ID: 4052

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/6/16	0528	4052 - 100616 - <del>DF</del> <sup>AF</sup> DF-016-A	Girls RR	In room Hallway	Lower Left	CJ
10/6/16	0529	4052 - 100616 - DF-016-B	↓	In room Hallway	"	CD
10/6/16	0532	4052 - 100616 - RS-001-A	↓	In room Hallway	Right-most sink, closest to the door	CJ
10/6/16	0533	4052 - 100616 - RS-001-B	↓	In room Hallway	"	CD
10/6/16	0539	4052 - 100616 - DF-001-A	Gym Entrance	In room Hallway	upper right ↓ Halsey Taylor	CD
10/6/16	0540	4052 - 100616 - DF-001-B	Gym Entrance	In room Hallway	↓	CD
10/6/16	0543	4052 - 100616 - DF-002-A	"	In room Hallway	Lower left ↓	CJ
10/6/16	0544	4052 - 100616 - DF-002-B	"	In room Hallway	↓	CJ
10/6/16	0554	4052 - 100616 - KS-013-A	306	In room Hallway	<del>Additional</del> Bubblers	CD
10/6/16	0555	4052 - 100616 - KS-013-B	306	In room Hallway		CD

LOCATION TYPE: AF = athletic field; CS = cafeteria sink; DF = drinking fountain; IM = ice maker; KS = kindergarten sink; RS = restroom sink; SC = service connection; TL = teachers' lounge. SAMPLE TYPE: A = initial draw; B = flush; C = duplicate

DEKALB COUNTY SCHOOL DISTRICT  
LEAD IN DRINKING WATER FIELD DATA SHEET

FACILITY NAME: MURPHY CANDLER ELEMENTARY FACILITY  
ADDRESS: 6775 S Goddard Road Lithonia, GA, 30038

FACILITY ID: 4052

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/6/16	0500	4052 - 100616 - KS-003-A	415	In room Hallway	Bubbler Fountain very low flow	CJ
10/6/16	0501	4052 - 100616 - KS-003-B	415	In room Hallway	"	CJ
10/6/16	0507	4052 - 100616 - KS-005-A	413	In room Hallway	Bubbler Fountain	CJ
10/6/16	0508	4052 - 100616 - KS-005-B	413	In room Hallway	"	CJ
10/6/16	0513	4052 - 100616 - KS-004-A	411	In room Hallway	Bubbler Fountain minor leak @ faucet	CJ
10/6/16	0514	4052 - 100616 - KS-004-B	411	In room Hallway	"	CJ
10/6/16	0518	4052 - 100616 - KS-002-A	416	In room Hallway	Bubbler Fountain very High flow	CJ
10/6/16	0519	4052 - 100616 - KS-002-B	416	In room Hallway	"	CJ
10/6/16	0524	4052 - 100616 - DF-015-A	Girls Restroom	In room Hallway	upper right	CJ
10/6/16	0525	4052 - 100616 - DF-015-B	↓	In room Hallway	↓	CJ

LOCATION TYPE: AF = athletic field; CS = cafeteria sink; DF = drinking fountain; IM = ice maker; KS = kindergarten sink; RS = restroom sink; SC = service connection; TL = teachers' lounge. SAMPLE TYPE: A = initial draw; B = flush; C = duplicate

**DEKALB COUNTY SCHOOL DISTRICT  
LEAD IN DRINKING WATER FIELD DATA SHEET**

FACILITY NAME: MURPHY CANDLER ELEMENTARY FACILITY  
 ADDRESS: 6775 S Goddard Road Lithonia, GA, 30038

FACILITY ID: 4052

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/6/16	0602	4052 - 100616 - KS-014-A	311	In room Hallway	Bubbler Fountain very silty ↓	CD
10/6/16	0603	4052 - 100616 - KS-014-B	↓	In room Hallway	clear ↓	CD
10/6/16	0606	4052 - 100616 - KS-015-A	313	In room Hallway	Bubbler Fountain	CD
10/6/16	0607	4052 - 100616 - KS-015-B	↓	In room Hallway	↓	CD
10/6/16		4052 - 100616 -		In room Hallway		
10/6/16		4052 - 100616 -		In room Hallway		
10/6/16		4052 - 100616 -		In room Hallway		
10/6/16		4052 - 100616 -		In room Hallway		
10/6/16		4052 - 100616 -		In room Hallway		
10/6/16		4052 - 100616 -		In room Hallway		

LOCATION TYPE: AF = athletic field; CS = cafeteria sink; DF = drinking fountain; IM = ice maker; KS = kindergarten sink; RS = restroom sink; SC = service connection; TL = teachers' lounge. SAMPLE TYPE: A = initial draw; B = flush; C = duplicate



**DEKALB COUNTY SCHOOL DISTRICT  
LEAD IN DRINKING WATER FIELD DATA SHEET**

FACILITY NAME: MURPHY CANDLER ELEMENTARY FACILITY

FACILITY ID: 4052

ADDRESS: 6775 S Goddard Road Lithonia, GA, 30038



DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
3/22/17	0454	4052 - 032217 - X-001-A	Outside building near mechanic room	In room Hallway	Spigot on wall running perpendicular to mechanic room	<i>[Signature]</i>
3/22/17	0502	4052 - 032217 - KS-009-A	314	In room Hallway	sink w/ bubbler sample from bubbler	<i>[Vertical Arrow]</i>
3/22/17	0503	4052 - 032217 - KS-009-B		In room Hallway	"	
3/22/17	0506	4052 - 032217 - KS-010-A	309	In room Hallway	"	
3/22/17	0507	4052 - 032217 - KS-010-B		In room Hallway	"	
3/22/17	0509	4052 - 032217 - DF-004-A	Outside 304	In room Hallway	upper right Elkay, lwm	
3/22/17	0510	4052 - 032217 - DF-004-B		In room Hallway	"	
3/22/17	0513	4052 - 032217 - KS-011-A	302	In room Hallway	Sampled middle sink with "Out of Service" sign	
3/22/17	0514	4052 - 032217 - KS-011-B		In room Hallway	"	
3/22/17		4052 - 032217 -		In room Hallway		

LOCATION TYPE: AF = athletic field; CS = cafeteria sink; DF = drinking fountain; IM = ice maker; KS = kindergarten sink; RS = restroom sink; SC = service connection; TL = teachers' lounge. SAMPLE TYPE: A = initial draw; B = flush; C = duplicate

**DEKALB COUNTY SCHOOL DISTRICT  
LEAD IN DRINKING WATER FIELD DATA SHEET**

FACILITY NAME: MURPHY CANDLER ELEMENTARY FACILITY  
 ADDRESS: 6775 S Goddard Road Lithonia, GA, 30038

FACILITY ID: 4052

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
3/22/17	NS	4052 - 032217 - DF-006-A	Outside media center	In room <del>Hallway</del>	Upper fountain removed. Sampled lower fountain	
3/22/17	NS	4052 - 032217 - DF-006-B		In room <del>Hallway</del>	NOT Sampled NOT in Service	
3/22/17		4052 - 032217 -		In room Hallway		
3/22/17		4052 - 032217 -		In room Hallway		
3/22/17		4052 - 032217 -		In room Hallway		
3/22/17		4052 - 032217 -		In room Hallway		
3/22/17		4052 - 032217 -		In room Hallway		
3/22/17		4052 - 032217 -		In room Hallway		
3/22/17		4052 - 032217 -		In room Hallway		
3/22/17		4052 - 032217 -		In room Hallway		

LOCATION TYPE: AF = athletic field; CS = cafeteria sink; DF = drinking fountain; IM = ice maker; KS = kindergarten sink; RS = restroom sink; SC = service connection; TL = teachers' lounge. SAMPLE TYPE: A = initial draw; B = flush; C = duplicate

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FACILITY ID: 4052

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
9/20/17	0450	4052 - 092017 - DF-006-A	Room 300	In room Hallway	Upper Drinking fountain Elkay wall unit w/ compressor. First Draw	<i>[Signature]</i>
9/20/17	0451	4052 - 092017 - DF-006-B	Room 300	In room Hallway	Upper Drinking fountain (S.A.G.) (Cold Tap) → (Flush)	<i>[Signature]</i>
9/20/17	0455	4052 - 092017 - KS-011-A	Room 302	In room Hallway	Middle sink, stainless steel (Cold Tap) (First Draw)	<i>[Signature]</i>
9/20/17	0456	4052 - 092017 - KS-011-B	Room 302	In room Hallway	Middle sink, stainless steel (Cold Tap) (Flush)	<i>[Signature]</i>
9/20/17		4052 - 092017 -		In room Hallway		
9/20/17		4052 - 092017 -		In room Hallway		
9/20/17		4052 - 092017 -		In room Hallway		
9/20/17		4052 - 092017 -		In room Hallway		
9/20/17		4052 - 092017 -		In room Hallway		
9/20/17		4052 - 092017 -		In room Hallway		

LOCATION TYPE: AF = athletic field; CS = cafeteria sink; DF = drinking fountain; IM = ice maker; KS = kindergarten sink; RS = restroom sink; SC = service connection; TL = teachers' lounge. SAMPLE TYPE: A = initial draw; B = flush; C = duplicate

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**ATTACHMENT B**  
**AES Laboratory Analytical Report**

## Leona Miles

---

**From:** NoReply@aesatlanta.net  
**Sent:** Thursday, October 20, 2016 3:46 PM  
**To:** leona-miles@aem-net.com  
**Cc:** tim-royer@aem-net.com  
**Subject:** DCSD - 4052  
**Attachments:** 1610362\_REPORT.pdf; 1610362Invoice.pdf

Please see attached. If you have any questions or need further assistance please contact your project manager at 770-457-8177.

AES Reporting System

ANALYTICAL ENVIRONMENTAL SERVICES, INC.  
3080 Presidential Drive ATLANTA, GA 30340  
Tel: 770-457-8177 Fax: 770-457-8188  
<http://www.aesatlanta.com>

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October 20, 2016

Leona Miles  
Atlanta Environmental Mgmt  
2580 NE Expressway  
Atlanta GA 30345

TEL: (404) 329-9006  
FAX: (404) 329-2057

RE: DCSD - 4052

Dear Leona Miles:

Order No: 1610362

Analytical Environmental Services, Inc. received 68 samples on 10/6/2016 10:21:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

- NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
- NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
- NELAC/Texas Certificate No. T104704509-16-6 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 03/01/16-02/28/17.
- AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

Ioana Pacurar  
Project Manager





ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1610362

Date: 10/6/16 Page 1 of 5

COMPANY: <b>Atlanta Environmental Management, Inc</b>		ADDRESS: <b>2580 Northeast Expressway, NE Atlanta, GA 30345</b>				ANALYSIS REQUESTED								Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No # of Containers																																																		
PHONE: (404) 329-9006		FAX: (404) 329-2057				<table border="1"> <tr> <td>Total Pb Method 200.8</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td> <td colspan="15">PRESERVATION (See codes)</td> </tr> <tr> <td></td> <td>I</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>								Total Pb Method 200.8																			PRESERVATION (See codes)																I																REMARKS	
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	I																																																																	
SAMPLED BY: <i>Lindsey Hyde</i>		SIGNATURE: <i>[Signature]</i>																																																																
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)																																																												
1	4052-100616-DF-001-A	10/6/2016	0539	X		DW	X																																																											
2	4052-100616-DF-001-B	10/6/2016	0540	X		DW	X																																																											
3	4052-100616-DF-002-A	10/6/2016	0543	X		DW	X																																																											
4	4052-100616-DF-002-B	10/6/2016	0544	X		DW	X																																																											
5	4052-100616-DF-003-A	10/6/2016	0507	X		DW	X																																																											
6	4052-100616-DF-003-B	10/6/2016	0502	X		DW	X																																																											
7	4052-100616-DF-004-A	10/6/2016		X		DW																																																												
8	4052-100616-DF-004-B	10/6/2016		X		DW														not sampled																																														
9	4052-100616-DF-005-A	10/6/2016	0517	X		DW	X																																																											
10	4052-100616-DF-005-B	10/6/2016	0518	X		DW	X																																																											
11	4052-100616-DF-006-A	10/6/2016		X		DW														not sampled																																														
12	4052-100616-DF-006-B	10/6/2016		X		DW														not sampled																																														
13	4052-100616-DF-007-A	10/6/2016	0502	X		DW	X																																																											
14	4052-100616-DF-007-B	10/6/2016	0503	X		DW	X																																																											
15	4052-100616-DF-008-A	10/6/2016	0506	X		DW	X																																																											
RELINQUISHED BY 1: <i>[Signature]</i>		DATE/TIME 10/6/16 1020	RECEIVED BY 1: <i>[Signature]</i>		DATE/TIME 10/6/16 10:21 am		PROJECT INFORMATION PROJECT NAME: <b>DCSD</b>								RECEIPT Total # of Containers 11																																																			
2:			2:				PROJECT #: <b>1561-1601</b>								Turnaround Time Request <input type="radio"/> Standard 5 Business Days																																																			
3:			3:				SITE ADDRESS: <b>4052</b>								<input type="radio"/> 2 Business Day Rush																																																			
							SEND REPORT TO: <b>Leona Miles and Tim Royer</b>								<input type="radio"/> Next Business Day Rush																																																			
SPECIAL INSTRUCTIONS/COMMENTS: Preserve at the Lab per protocol		SHIPMENT METHOD OUT / / VIA: IN / / VIA: <input checked="" type="radio"/> CLIENT FedEx UPS MAIL COURIER <input type="radio"/> GREYHOUND OTHER				INVOICE TO: (IF DIFFERENT FROM ABOVE) leona-miles@aem-net.com; tim-royer@aem-net.com								<input type="radio"/> Same Day Rush (auth req.)																																																				
						QUOTE #:				PO#:				STATE PROGRAM (if any):																																																				
														E-mail? Y/N; Fax? Y/N																																																				
														DATA PACKAGE: I II III IV																																																				

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT. SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water DW=Drinking Water W = Water (Blanks) O = Other (specify) PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None



**ANALYTICAL ENVIRONMENTAL SERVICES, INC**

3080 Presidential Drive, Atlanta GA 30340-3704

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

**CHAIN OF CUSTODY**

Work Order: 1610362

Date: 10/16/16 Page 2 of 5

COMPANY: <b>Atlanta Environmental Management, Inc</b>		ADDRESS: <b>2580 Northeast Expressway, NE Atlanta, GA 30345</b>		ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No # of Containers																																					
PHONE: <b>(404) 329-9006</b>		FAX: <b>(404) 329-2057</b>		<table border="1"> <tr> <td rowspan="2">Total Pb Method 200.8</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td colspan="10">PRESERVATION (See codes)</td> <td colspan="8">REMARKS</td> </tr> </table>										Total Pb Method 200.8																						PRESERVATION (See codes)										REMARKS							
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#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)										REMARKS	No # of Containers																																			
		DATE	TIME				I																																														
1	4052-100616-DF-008-B	10/6/2016	0507	X		DW	X																																														
2	4052-100616-DF-009-A	10/6/2016	0450	X		DW	X																																														
3	4052-100616-DF-009-B	10/6/2016	0451	X		DW	X																																														
4	4052-100616-DF-010-A	10/6/2016	0453	X		DW	X																																														
5	4052-100616-DF-010-B	10/6/2016	0454	X		DW	X																																														
6	4052-100616-DF-010-C	10/6/2016	0455	X		DW	X																																														
7	4052-100616-DF-011-A	10/6/2016	0514	X		DW	X																																														
8	4052-100616-DF-011-B	10/6/2016	0515	X		DW	X																																														
9	4052-100616-DF-012-A	10/6/2016	0517	X		DW	X																																														
10	4052-100616-DF-012-B	10/6/2016	0518	X		DW	X																																														
11	4052-100616-DF-013-A	10/6/2016	0528	X		DW	X																																														
12	4052-100616-DF-013-B	10/6/2016	0529	X		DW	X																																														
13	4052-100616-DF-014-A	10/6/2016	0524	X		DW	X																																														
14	4052-100616-DF-014-B	10/6/2016	0525	X		DW	X																																														
15	4052-100616-KS-001-A	10/6/2016	0534	X		DW	X																																														
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION										RECEIPT																																			
1: <i>[Signature]</i>		10/16/16 1020		1: <i>Jamie Kelly</i>		10/16/16 10:21 am		PROJECT NAME: <b>DCSD</b>										Total # of Containers <b>15</b>																																			
2:				2:				PROJECT #: <b>1561-1601</b>										<input type="radio"/> Turnaround Time Request <input type="radio"/> Standard 5 Business Days <input type="radio"/> 2 Business Day Rush <input type="radio"/> Next Business Day Rush <input type="radio"/> Same Day Rush (auth req.) <input checked="" type="radio"/> Other: 10 business Days																																			
3:				3:				SITE ADDRESS: <b>4052</b>																																													
								SEND REPORT TO: <b>Leona Miles and Tim Royer</b>																																													
SPECIAL INSTRUCTIONS/COMMENTS: Preserve at the Lab per protocol				SHIPMENT METHOD OUT / / VIA: IN <input checked="" type="radio"/> CLIENT / VIA: GREYHOUND OTHER _____				INVOICE TO: (IF DIFFERENT FROM ABOVE) leona-miles@aem-net.com; tim-royer@aem-net.com				STATE PROGRAM (if any): _____																																									
								QUOTE #: _____				PO#: _____				E-mail? Y/N; Fax? Y/N																																					
																DATA PACKAGE: I II III IV																																					

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT. SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.



## ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

## CHAIN OF CUSTODY

Work Order: 1610362

Date: 10/6/16 Page 3 of 5

COMPANY: <b>Atlanta Environmental Management, Inc</b>		ADDRESS: <b>2580 Northeast Expressway, NE Atlanta, GA 30345</b>					ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.	No # of Containers					
PHONE: <b>(404) 329-9006</b>		FAX: <b>(404) 329-2057</b>					Total Pb Method 200.8																
SAMPLED BY: <i>Lindsey Hyde</i>		SIGNATURE: <i>[Signature]</i>					PRESERVATION (See codes)										REMARKS						
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)	I																
1	4052-100616-KS-001-B	10/6/2016	0536	X		DW	X																1
2	4052-100616-KS-001-C	10/6/2016	0535	X		DW	X																1
3	4052-100616-KS-002-A	10/6/2016	0518	X		DW	X																1
4	4052-100616-KS-002-B	10/6/2016	0519	X		DW	X																1
5	4052-100616-KS-003-A	10/6/2016	0500	X		DW	X																1
6	4052-100616-KS-003-B	10/6/2016	0501	X		DW	X																1
7	4052-100616-KS-004-A	10/6/2016	0513	X		DW	X																1
8	4052-100616-KS-004-B	10/6/2016	0514	X		DW	X																1
9	4052-100616-KS-005-A	10/6/2016	0507	X		DW	X																1
10	4052-100616-KS-005-B	10/6/2016	0508	X		DW	X																1
11	4052-100616-KS-006-A	10/6/2016	0540	X		DW	X																1
12	4052-100616-KS-006-B	10/6/2016	0541	X		DW	X																1
13	4052-100616-KS-007-A	10/6/2016	0508	X		DW	X																1
14	4052-100616-KS-007-B	10/6/2016	0509	X		DW	X																1
15	4052-100616-KS-008-A	10/6/2016	0519	X		DW	X																1
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION								RECEIPT							
1: <i>[Signature]</i>		10/6/16 1020		1: <i>Jenni Amelby</i>		10/6/16 10:21 am		PROJECT NAME: DCS D								Total # of Containers: 15							
2:				2: <i>[Signature]</i>				PROJECT #: 1561-1601								Turnaround Time Request							
3:				3:				SITE ADDRESS: 4052								<input type="radio"/> Standard 5 Business Days							
SPECIAL INSTRUCTIONS/COMMENTS: Preserve at the Lab per protocol		SHIPMENT METHOD OUT / / VIA: IN <u>CLIENT</u> / / VIA: FedEx UPS MAIL COURIER GREYHOUND OTHER						SEND REPORT TO: Leona Miles and Tim Royer								<input type="radio"/> 2 Business Day Rush							
								INVOICE TO: (IF DIFFERENT FROM ABOVE) leona-miles@aem-net.com; tim-royer@aem-net.com								<input type="radio"/> Next Business Day Rush							
								QUOTE #:								<input type="radio"/> Same Day Rush (auth req.)							
								PO#:								<input checked="" type="radio"/> Other: 10 business Days							
								STATE PROGRAM (if any):								E-mail? Y/N; Fax? Y/N							
								DATA PACKAGE: I II III IV															

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.

SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water DW = Drinking Water W = Water (Blanks) O = Other (specify)

Page 4 of 80

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

White Copy - Original; Yellow Copy - Client



# ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

# CHAIN OF CUSTODY

Work Order: 1610362

Date: 10/6/16 Page 4 of 5

COMPANY:			ADDRESS:				ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No. of Containers																																					
Atlanta Environmental Management, Inc			2580 Northeast Expressway, NE Atlanta, GA 30345				<table border="1"> <tr> <td rowspan="2">Total Pb Method 200.8</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td colspan="10">PRESERVATION (See codes)</td> <td colspan="8">REMARKS</td> </tr> </table>										Total Pb Method 200.8																						PRESERVATION (See codes)										REMARKS							
Total Pb Method 200.8																																																								
	PRESERVATION (See codes)										REMARKS																																													
PHONE:			FAX:				SAMPLING		SIGNATURE:																																															
(404) 329-9006			(404) 329-2057				Lindsey Hyde		[Signature]																																															
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)										REMARKS	No. of Containers																																						
							I																																																	
1	4052-100616-KS-009-A	10/6/2016	0524	X		DW	X																		1																															
2	4052-100616-KS-009-B	10/6/2016	0525	X		DW	X																		1																															
3	4052-100616-KS-010-A	10/6/2016	0513	X		DW	X																		1																															
4	4052-100616-KS-010-B	10/6/2016	0514	X		DW	X																		1																															
5	4052-100616-KS-011-A	10/6/2016	0533	X		DW	X																		1																															
6	4052-100616-KS-011-B	10/6/2016	0524	X		DW	X																		1																															
7	4052-100616-KS-012-A	10/6/2016	0528	X		DW	X																		1																															
8	4052-100616-KS-012-B	10/6/2016	0529	X		DW	X																		1																															
9	4052-100616-RS-001-A	10/6/2016	0532	X		DW	X																		1																															
10	4052-100616-RS-001-B	10/6/2016	0533	X		DW	X																		1																															
11	4052-100616-CS-001-A	10/6/2016	0539	X		DW	X																		1																															
12	4052-100616-CS-001-B	10/6/2016	0540	X		DW	X																		1																															
13	4052-100616-IM-001-A	10/6/2016	0532	X		DW	X																		1																															
14	4052-100616-TL-001-A	10/6/2016	0508	X		DW	X																		1																															
15	4052-100616-TL-001-B	10/6/2016	0509	X		DW	X																		1																															

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME
1: [Signature]	10/6/16 10:20	1: [Signature]	10/6/16 10:20 am
2:		2:	
3:		3:	

PROJECT INFORMATION	
PROJECT NAME:	DCSD
PROJECT #:	1561-1601
SITE ADDRESS:	4052
SEND REPORT TO:	Leona Miles and Tim Royer
INVOICE TO: (IF DIFFERENT FROM ABOVE)	leona-miles@aem-net.com; tim-royer@aem-net.com
QUOTE #:	PO#:

RECEIPT	
Total # of Containers	15
<input type="radio"/> Turnaround Time Request <input type="radio"/> Standard 5 Business Days <input type="radio"/> 2 Business Day Rush <input type="radio"/> Next Business Day Rush <input type="radio"/> Same Day Rush (auth req.) <input checked="" type="radio"/> Other: 10 business Days	
STATE PROGRAM (if any):	
E-mail? Y/N;	Fax? Y/N
DATA PACKAGE:	I II III IV

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.  
 SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1610362

Date: 10/16/16 Page 5 of 5

COMPANY: Atlanta Environmental Management, Inc		ADDRESS: 2580 Northeast Expressway, NE Atlanta, GA 30345		ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No # of Containers					
PHONE: (404) 329-9006		FAX: (404) 329-2057		Total Pb Method 200.8																	
SAMPLED BY: Lindsey Hyde		SIGNATURE: [Signature]																			
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)										REMARKS				
		DATE	TIME				I														
1	4052-100616-SC-001-A	10/6/2016	0600	X		DW	X														
2	4052-100616-DF-015-A	10/6/16	0524	X		DW	X														
3	4052-100616-DF-015-B	10/6/16	0525	X		DW	X														
4	4052-100616-DF-016-A	10/6/16	0528	X		DW	X														
5	4052-100616-DF-016-B	10/6/16	0529	X		DW	X														
6	4052-100616-KS-008-B	10/6/16	0520	X		DW	X														
7	4052-100616-KS-013-A	10/10/16	0554	X		OW	X														
8	4052-100616-KS-013-B	10/10/16	0555	X		OW	X														
9	4052-100616-KS-014-A	10/6/16	0602	X		OW	X														
10	4052-100616-KS-014-B	10/6/16	0603	X		OW	X														
11	4052-100616-KS-015-A	10/6/16	0606	X		DW	X														
12	4052-100616-KS-015-B	10/6/16	0607	X		OW	X														
13																					
14																					
15																					
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION										RECEIPT			
1: [Signature]		10/6/16 1020		2: [Signature]		10/6/16 10:21 am		PROJECT NAME: DCSD										Total # of Containers 12			
2:				3:				PROJECT #: 1561-1601										Turnaround Time Request <input type="radio"/> Standard 5 Business Days <input type="radio"/> 2 Business Day Rush <input type="radio"/> Next Business Day Rush <input type="radio"/> Same Day Rush (auth req.) <input checked="" type="radio"/> Other: 10 business Days			
3:								SITE ADDRESS: 4052													
								SEND REPORT TO: Leona Miles and Tim Royer													
SPECIAL INSTRUCTIONS/COMMENTS: Preserve at the Lab per protocol				SHIPMENT METHOD				INVOICE TO: (IF DIFFERENT FROM ABOVE)										STATE PROGRAM (if any):			
				OUT / / VIA:				leona-miles@aem-net.com; tim-royer@aem-net.com										E-mail? Y/N; Fax? Y/N			
				IN <input checked="" type="radio"/> CLIENT FedEx UPS MAIL COURIER <input type="radio"/> GREYHOUND OTHER				QUOTE #: PO#:										DATA PACKAGE: I II III IV			

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT. SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-001-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:39:00 AM
<b>Lab ID:</b> 1610362-001	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 12:20	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-001-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:40:00 AM
<b>Lab ID:</b> 1610362-002	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 12:41	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-002-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:43:00 AM
<b>Lab ID:</b> 1610362-003	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 12:44	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit



**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-002-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:44:00 AM
<b>Lab ID:</b> 1610362-004	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 12:47	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-003-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:01:00 AM
<b>Lab ID:</b> 1610362-005	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 12:50	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-003-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:02:00 AM
<b>Lab ID:</b> 1610362-006	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 12:53	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-005-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:17:00 AM
<b>Lab ID:</b> 1610362-007	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 12:56	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-005-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:18:00 AM
<b>Lab ID:</b> 1610362-008	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 12:59	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-007-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:02:00 AM
<b>Lab ID:</b> 1610362-009	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 13:02	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-007-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:03:00 AM
<b>Lab ID:</b> 1610362-010	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 13:05	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-008-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:06:00 AM
<b>Lab ID:</b> 1610362-011	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 12:29	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit



**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-008-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:07:00 AM
<b>Lab ID:</b> 1610362-012	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 13:08	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-009-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 4:50:00 AM
<b>Lab ID:</b> 1610362-013	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 13:17	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-009-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 4:51:00 AM
<b>Lab ID:</b> 1610362-014	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 13:20	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-010-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 4:53:00 AM
<b>Lab ID:</b> 1610362-015	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	3.11	1.00		ug/L	230928	1	10/14/2016 13:23	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-010-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 4:54:00 AM
<b>Lab ID:</b> 1610362-016	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	3.43	1.00		ug/L	230928	1	10/14/2016 13:26	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-010-C
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 4:55:00 AM
<b>Lab ID:</b> 1610362-017	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	2.41	1.00		ug/L	230928	1	10/14/2016 13:29	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-011-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:14:00 AM
<b>Lab ID:</b> 1610362-018	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 13:32	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-011-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:15:00 AM
<b>Lab ID:</b> 1610362-019	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 13:35	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit



**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-012-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:17:00 AM
<b>Lab ID:</b> 1610362-020	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230928	1	10/14/2016 13:38	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-012-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:18:00 AM
<b>Lab ID:</b> 1610362-021	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 13:54	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-013-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:28:00 AM
<b>Lab ID:</b> 1610362-022	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:09	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-013-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:29:00 AM
<b>Lab ID:</b> 1610362-023	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:12	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-014-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:24:00 AM
<b>Lab ID:</b> 1610362-024	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.03	1.00		ug/L	230927	1	10/14/2016 14:15	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-014-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:25:00 AM
<b>Lab ID:</b> 1610362-025	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:18	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-001-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:34:00 AM
<b>Lab ID:</b> 1610362-026	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:21	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-001-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:36:00 AM
<b>Lab ID:</b> 1610362-027	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:30	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit



**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-001-C
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:35:00 AM
<b>Lab ID:</b> 1610362-028	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:33	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-002-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:18:00 AM
<b>Lab ID:</b> 1610362-029	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:36	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-002-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:19:00 AM
<b>Lab ID:</b> 1610362-030	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:03	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-003-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:00:00 AM
<b>Lab ID:</b> 1610362-031	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:39	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-003-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:01:00 AM
<b>Lab ID:</b> 1610362-032	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:42	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-004-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:13:00 AM
<b>Lab ID:</b> 1610362-033	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:45	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-004-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:14:00 AM
<b>Lab ID:</b> 1610362-034	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:48	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-005-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:07:00 AM
<b>Lab ID:</b> 1610362-035	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:51	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit



**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-005-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:08:00 AM
<b>Lab ID:</b> 1610362-036	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:54	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-006-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:40:00 AM
<b>Lab ID:</b> 1610362-037	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 14:57	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-006-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:41:00 AM
<b>Lab ID:</b> 1610362-038	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230927	1	10/14/2016 15:06	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-007-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:08:00 AM
<b>Lab ID:</b> 1610362-039	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	3.82	1.00		ug/L	230927	1	10/14/2016 15:09	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-007-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:09:00 AM
<b>Lab ID:</b> 1610362-040	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.99	1.00		ug/L	230927	1	10/14/2016 15:12	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-008-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:19:00 AM
<b>Lab ID:</b> 1610362-041	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.46	1.00		ug/L	230931	1	10/14/2016 15:21	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-009-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:24:00 AM
<b>Lab ID:</b> 1610362-042	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	32.9	1.00		ug/L	230858	1	10/13/2016 13:45	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-009-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:25:00 AM
<b>Lab ID:</b> 1610362-043	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	5.71	1.00		ug/L	230858	1	10/13/2016 13:48	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit



**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-010-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:13:00 AM
<b>Lab ID:</b> 1610362-044	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	127	1.00		ug/L	230858	1	10/13/2016 13:51	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-010-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:14:00 AM
<b>Lab ID:</b> 1610362-045	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	4.39	1.00		ug/L	230931	1	10/14/2016 15:43	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-011-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:33:00 AM
<b>Lab ID:</b> 1610362-046	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	30.1	1.00		ug/L	230931	1	10/14/2016 15:46	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-011-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:34:00 AM
<b>Lab ID:</b> 1610362-047	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230931	1	10/14/2016 15:49	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-012-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:28:00 AM
<b>Lab ID:</b> 1610362-048	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	4.69	1.00		ug/L	230931	1	10/14/2016 15:52	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-012-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:29:00 AM
<b>Lab ID:</b> 1610362-049	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.19	1.00		ug/L	230931	1	10/14/2016 15:55	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-RS-001-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:32:00 AM
<b>Lab ID:</b> 1610362-050	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	5.67	1.00		ug/L	230931	1	10/14/2016 15:58	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-RS-001-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:33:00 AM
<b>Lab ID:</b> 1610362-051	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230931	1	10/14/2016 15:30	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit



**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-CS-001-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:39:00 AM
<b>Lab ID:</b> 1610362-052	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230931	1	10/14/2016 16:01	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-CS-001-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:40:00 AM
<b>Lab ID:</b> 1610362-053	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230931	1	10/14/2016 16:04	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-IM-001-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:32:00 AM
<b>Lab ID:</b> 1610362-054	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230931	1	10/14/2016 16:07	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-TL-001-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:08:00 AM
<b>Lab ID:</b> 1610362-055	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	4.59	1.00		ug/L	230931	1	10/14/2016 16:10	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-TL-001-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:09:00 AM
<b>Lab ID:</b> 1610362-056	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230931	1	10/14/2016 16:19	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-SC-001-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 6:00:00 AM
<b>Lab ID:</b> 1610362-057	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1440	1.00		ug/L	230858	1	10/13/2016 14:00	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-015-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:24:00 AM
<b>Lab ID:</b> 1610362-058	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230931	1	10/14/2016 16:22	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-015-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:25:00 AM
<b>Lab ID:</b> 1610362-059	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230931	1	10/14/2016 16:25	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit



**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-016-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:28:00 AM
<b>Lab ID:</b> 1610362-060	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230931	1	10/14/2016 16:28	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-DF-016-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:29:00 AM
<b>Lab ID:</b> 1610362-061	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230932	1	10/14/2016 17:32	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-008-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:20:00 AM
<b>Lab ID:</b> 1610362-062	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.97	1.00		ug/L	230932	1	10/14/2016 17:35	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-013-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:54:00 AM
<b>Lab ID:</b> 1610362-063	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	14.1	1.00		ug/L	230858	1	10/13/2016 14:06	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-013-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 5:55:00 AM
<b>Lab ID:</b> 1610362-064	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230932	1	10/14/2016 17:38	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-014-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 6:02:00 AM
<b>Lab ID:</b> 1610362-065	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	5.47	1.00		ug/L	230858	1	10/13/2016 14:09	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-014-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 6:03:00 AM
<b>Lab ID:</b> 1610362-066	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.65	1.00		ug/L	230932	1	10/14/2016 17:47	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-015-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 6:06:00 AM
<b>Lab ID:</b> 1610362-067	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.31	1.00		ug/L	230858	1	10/13/2016 14:12	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit



**Analytical Environmental Services, Inc**

**Date:** 20-Oct-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-100616-KS-015-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 10/6/2016 6:07:00 AM
<b>Lab ID:</b> 1610362-068	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	230932	1	10/14/2016 17:26	CC

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client AEM Work Order Number 1610362

Checklist completed by [Signature] Date 10/6/16

Carrier name: FedEx  UPS  Courier  Client  US Mail  Other

Shipping container/cooler in good condition? Yes  No  Not Present

Custody seals intact on shipping container/cooler? Yes  No  Not Present

Custody seals intact on sample bottles? Yes  No  Not Present

Container/Temp Blank temperature in compliance? (0°≤6°C)\* Yes  No

Cooler #1 3.6 Cooler #2 3.1 Cooler #3 \_\_\_\_\_ Cooler #4 \_\_\_\_\_ Cooler#5 \_\_\_\_\_ Cooler #6 \_\_\_\_\_

Chain of custody present? Yes  No

Chain of custody signed when relinquished and received? Yes  No

Chain of custody agrees with sample labels? Yes  No

Samples in proper container/bottle? Yes  No

Sample containers intact? Yes  No

Sufficient sample volume for indicated test? Yes  No

All samples received within holding time? Yes  No

Was TAT marked on the COC? Yes  No

Proceed with Standard TAT as per project history? Yes  No  Not Applicable

Water - VOA vials have zero headspace? No VOA vials submitted  Yes  No

Water - pH acceptable upon receipt? Yes  No  Not Applicable

Sample Condition: Good  Other(Explain) \_\_\_\_\_ Adjusted? \_\_\_\_\_ Checked by [Signature]

(For diffusive samples or AIHA lead) Is a known blank included? Yes  No

See Case Narrative for resolution of the Non-Conformance.

\* Samples do not have to comply with the given range for certain parameters.

**Client:** Atlanta Environmental Mgmt  
**Project Name:** DCSD - 4052  
**Workorder:** 1610362

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 230858**

Sample ID: <b>MB-230858</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/10/2016</b>	Run No: <b>327321</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230858</b>	Analysis Date: <b>10/13/2016</b>	Seq No: <b>7097713</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: <b>LCS-230858</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/10/2016</b>	Run No: <b>327321</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230858</b>	Analysis Date: <b>10/13/2016</b>	Seq No: <b>7097714</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 93.42 1.00 100.0 0.7866 92.6 85 115

Sample ID: <b>1610342-004AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/10/2016</b>	Run No: <b>327321</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230858</b>	Analysis Date: <b>10/13/2016</b>	Seq No: <b>7097718</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 148.2 1.00 100.0 49.45 98.7 70 130

Sample ID: <b>1610414-027AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/10/2016</b>	Run No: <b>327321</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230858</b>	Analysis Date: <b>10/13/2016</b>	Seq No: <b>7097721</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 93.90 1.00 100.0 0.9673 92.9 70 130

Sample ID: <b>1610342-004AMSD</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/10/2016</b>	Run No: <b>327321</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230858</b>	Analysis Date: <b>10/13/2016</b>	Seq No: <b>7097719</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 144.2 1.00 100.0 49.45 94.8 70 130 148.2 2.71 20

**Qualifiers:** > Greater than Result value < Less than Result value B Analyte detected in the associated method blank  
 BRL Below reporting limit E Estimated (value above quantitation range) H Holding times for preparation or analysis exceeded  
 J Estimated value detected below Reporting Limit N Analyte not NELAC certified R RPD outside limits due to matrix  
 Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

**Client:** Atlanta Environmental Mgmt  
**Project Name:** DCSD - 4052  
**Workorder:** 1610362

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 230927**

Sample ID: <b>MB-230927</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327468</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230927</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7100967</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: <b>LCS-230927</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327468</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230927</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7100968</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 99.60 1.00 100.0 0.05209 99.5 85 115

Sample ID: <b>1610362-021AMS</b>	Client ID: <b>4052-100616-DF-012-B</b>	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327468</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230927</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7100972</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 98.03 1.00 100.0 0.1875 97.8 70 130

Sample ID: <b>1610362-030AMS</b>	Client ID: <b>4052-100616-KS-002-B</b>	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327468</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230927</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7100975</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 96.76 1.00 100.0 0.1819 96.6 70 130

Sample ID: <b>1610362-021AMSD</b>	Client ID: <b>4052-100616-DF-012-B</b>	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327468</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230927</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7100973</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 100.3 1.00 100.0 0.1875 100 70 130 98.03 2.31 20

**Qualifiers:** > Greater than Result value < Less than Result value B Analyte detected in the associated method blank  
 BRL Below reporting limit E Estimated (value above quantitation range) H Holding times for preparation or analysis exceeded  
 J Estimated value detected below Reporting Limit N Analyte not NELAC certified R RPD outside limits due to matrix  
 Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

**Client:** Atlanta Environmental Mgmt  
**Project Name:** DCSD - 4052  
**Workorder:** 1610362

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 230928**

Sample ID: <b>MB-230928</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327416</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230928</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7099623</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: <b>LCS-230928</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327416</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230928</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7099623</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 97.64 1.00 100.0 0.02831 97.6 85 115

Sample ID: <b>1610362-001AMS</b>	Client ID: <b>4052-100616-DF-001-A</b>	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327416</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230928</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7099625</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 94.65 1.00 100.0 0.5112 94.1 70 130

Sample ID: <b>1610362-011AMS</b>	Client ID: <b>4052-100616-DF-008-A</b>	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327416</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230928</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7099628</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 100.1 1.00 100.0 0.2998 99.8 70 130

Sample ID: <b>1610362-001AMSD</b>	Client ID: <b>4052-100616-DF-001-A</b>	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327416</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230928</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7099626</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 96.86 1.00 100.0 0.5112 96.3 70 130 94.65 2.31 20

**Qualifiers:** > Greater than Result value < Less than Result value B Analyte detected in the associated method blank  
 BRL Below reporting limit E Estimated (value above quantitation range) H Holding times for preparation or analysis exceeded  
 J Estimated value detected below Reporting Limit N Analyte not NELAC certified R RPD outside limits due to matrix  
 Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

**Client:** Atlanta Environmental Mgmt  
**Project Name:** DCSD - 4052  
**Workorder:** 1610362

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 230931**

Sample ID: <b>MB-230931</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327469</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230931</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7101008</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: <b>LCS-230931</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327469</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230931</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7101009</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 97.39 1.00 100.0 97.4 85 115

Sample ID: <b>1610362-041AMS</b>	Client ID: <b>4052-100616-KS-008-A</b>	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327469</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230931</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7101011</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 101.5 1.00 100.0 1.462 100 70 130

Sample ID: <b>1610362-051AMS</b>	Client ID: <b>4052-100616-RS-001-B</b>	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327469</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230931</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7101014</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 98.21 1.00 100.0 0.7893 97.4 70 130

Sample ID: <b>1610362-041AMSD</b>	Client ID: <b>4052-100616-KS-008-A</b>	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327469</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230931</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7101012</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 99.44 1.00 100.0 1.462 98.0 70 130 101.5 2.02 20

**Qualifiers:** > Greater than Result value < Less than Result value B Analyte detected in the associated method blank  
 BRL Below reporting limit E Estimated (value above quantitation range) H Holding times for preparation or analysis exceeded  
 J Estimated value detected below Reporting Limit N Analyte not NELAC certified R RPD outside limits due to matrix  
 Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

**Client:** Atlanta Environmental Mgmt  
**Project Name:** DCSD - 4052  
**Workorder:** 1610362

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 230932**

Sample ID: <b>MB-230932</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327470</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230932</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7101062</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: <b>LCS-230932</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327470</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230932</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7101063</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 100.1 1.00 100.0 0.3124 99.8 85 115

Sample ID: <b>1610349-061AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327470</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230932</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7101065</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 98.77 1.00 100.0 0.1743 98.6 70 130

Sample ID: <b>1610362-068AMS</b>	Client ID: <b>4052-100616-KS-015-B</b>	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327470</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230932</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7101068</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 96.12 1.00 100.0 0.4395 95.7 70 130

Sample ID: <b>1610349-061AMSD</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/11/2016</b>	Run No: <b>327470</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>230932</b>	Analysis Date: <b>10/14/2016</b>	Seq No: <b>7101066</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 99.64 1.00 100.0 0.1743 99.5 70 130 98.77 0.879 20

<b>Qualifiers:</b>	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

## Leona Miles

---

**From:** NoReply@aesatlanta.net  
**Sent:** Wednesday, April 5, 2017 11:09 AM  
**To:** leona-miles@aem-net.com; tim-royer@aem-net.com  
**Subject:** DCSD - 4052  
**Attachments:** 1703J17\_REPORT.pdf; 1703J17Invoice.pdf

Please see attached. If you have any questions or need further assistance please contact your project manager at 770-457-8177.

AES Reporting System

ANALYTICAL ENVIRONMENTAL SERVICES, INC.  
3080 Presidential Drive ATLANTA, GA 30340  
Tel: 770-457-8177 Fax: 770-457-8188  
<http://www.aesatlanta.com>

NOTICE OF CONFIDENTIALITY: The information in this email and / or attachments may be legally privileged and is confidential information intended for the use of the individual or entity named in the email address. If the reader of this message is not the intended recipient, you are hereby notified that any use, dissemination, distribution, or copy of this email and / or attachments is strictly prohibited. If you have received this email in error, please notify Analytical Environmental Services Customer Service by telephone at (770) 457-8177 or by email at [info@aesatlanta.com](mailto:info@aesatlanta.com) <<mailto:info@aesatlanta.com>> and delete the message. Thank you





**ANALYTICAL ENVIRONMENTAL SERVICES, INC.**

April 05, 2017

Leona Miles  
Atlanta Environmental Mgmt  
2580 NE Expressway  
Atlanta GA 30345

TEL: (404) 329-9006  
FAX: (404) 329-2057

RE: DCSD - 4052

Dear Leona Miles:

Order No: 1703J17

Analytical Environmental Services, Inc. received 9 samples on 3/22/2017 8:15:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

- NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
- NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
- AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

Ioana Pacurar  
Project Manager



# ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

# CHAIN OF CUSTODY

Work Order: 1703517

Date: 3/22/17 Page 1 of 1

COMPANY: <i>Atlanta Environmental Management, Inc</i>		ADDRESS: <i>2580 NorthEast Expressway, NE</i>					ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No # of Containers		
PHONE: <i>404-329-9006</i>		FAX: <i>404-329-2057</i>					PRESERVATION (See codes)										REMARKS				
SAMPLED BY: <i>Cynthia Jackson</i>		SIGNATURE: <i>[Signature]</i>																			
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)										REMARKS	No # of Containers			
		DATE	TIME																		
1	<i>4052-032217-SC-001-A</i>	<i>3/22/17</i>	<i>0454</i>	<i>X</i>		<i>DW</i>													<i>1</i>		
2	<i>4052-032217-KS-009-A</i>	<i>3/22/17</i>	<i>0502</i>	<i>X</i>		<i>DW</i>													<i>1</i>		
3	<i>4052-032217-KS-009-B</i>	<i>3/22/17</i>	<i>0503</i>	<i>X</i>		<i>DW</i>													<i>1</i>		
4	<i>4052-032217-KS-010-A</i>	<i>3/22/17</i>	<i>0506</i>	<i>X</i>		<i>DW</i>													<i>1</i>		
5	<i>4052-032217-KS-010-B</i>	<i>3/22/17</i>	<i>0507</i>	<i>X</i>		<i>DW</i>													<i>1</i>		
6	<i>4052-032217-DF-004-A</i>	<i>3/22/17</i>	<i>0509</i>	<i>X</i>		<i>DW</i>													<i>1</i>		
7	<i>4052-032217-DF-004-B</i>	<i>3/22/17</i>	<i>0510</i>	<i>X</i>		<i>DW</i>													<i>1</i>		
8	<i>4052-032217-KS-011-A</i>	<i>3/22/17</i>	<i>0513</i>	<i>X</i>		<i>DW</i>													<i>1</i>		
9	<i>4052-032217-KS-011-B</i>	<i>3/22/17</i>	<i>0514</i>	<i>X</i>		<i>DW</i>													<i>1</i>		
10																					
11																					
12																					
13																					
14																					
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION										RECEIPT			
<i>[Signature]</i>		<i>3/22/17 0730</i>		<i>Leon Miles</i>		<i>03/22/17 0730</i>		PROJECT NAME: <i>DCSD</i>										Total # of Containers			
<i>Leon Miles</i>		<i>03/22/17 0755</i>		<i>[Signature]</i>		<i>3/22/17 0755</i>		PROJECT #: <i>1561-1601</i>										Turnaround Time Request			
<i>[Signature]</i>		<i>3/22/17 0815</i>		<i>Angela Delia</i>		<i>3/22/17 0815</i>		SITE ADDRESS: <i>4052</i>										<input type="radio"/> Standard 5 Business Days			
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		OUT / / VIA:		IN / / VIA:		SEND REPORT TO: <i>Leon Miles + Tim Royer</i>										<input type="radio"/> 2 Business Day Rush			
								INVOICE TO:										<input type="radio"/> Next Business Day Rush			
								(IF DIFFERENT FROM ABOVE)										<input type="radio"/> Same Day Rush (auth req.)			
				<input checked="" type="radio"/> CLIENT		<input type="radio"/> FedEx		<input type="radio"/> UPS		<input type="radio"/> MAIL		<input type="radio"/> COURIER		<input checked="" type="radio"/> Other <i>10 day</i>		STATE PROGRAM (if any):					
				<input type="radio"/> GREYHOUND		<input type="radio"/> OTHER		<i>leon.miles@aem-net.com</i>										<input type="radio"/> E-mail? Y/N		<input type="radio"/> Fax? Y/N	
								<i>tim-royer@aem-net.com</i>										DATA PACKAGE: I <input checked="" type="radio"/> II <input type="radio"/> III <input type="radio"/> IV			

SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY. IF TURNAROUND TIME IS NOT INDICATED, AES WILL PROCEED WITH STANDARD TAT OF SAMPLES. SAMPLES ARE DISPOSED 30 DAYS AFTER REPORT COMPLETION UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) WW = Waste Water  
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

**Analytical Environmental Services, Inc**

**Date:** 5-Apr-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-032217-SC-001-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 3/22/2017 4:54:00 AM
<b>Lab ID:</b> 1703J17-001	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	4.34	1.00		ug/L	240208	1	03/29/2017 18:21	JR

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 5-Apr-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-032217-KS-009-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 3/22/2017 5:02:00 AM
<b>Lab ID:</b> 1703J17-002	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	2.89	1.00		ug/L	240217	1	03/30/2017 14:42	JR

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 5-Apr-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-032217-KS-009-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 3/22/2017 5:03:00 AM
<b>Lab ID:</b> 1703J17-003	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.49	1.00		ug/L	240217	1	03/30/2017 14:45	JR

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 5-Apr-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-032217-KS-010-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 3/22/2017 5:06:00 AM
<b>Lab ID:</b> 1703J17-004	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.90	1.00		ug/L	240208	1	03/29/2017 19:03	JR

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 5-Apr-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-032217-KS-010-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 3/22/2017 5:07:00 AM
<b>Lab ID:</b> 1703J17-005	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	240208	1	03/29/2017 19:06	JR

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 5-Apr-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-032217-DF-004-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 3/22/2017 5:09:00 AM
<b>Lab ID:</b> 1703J17-006	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	240208	1	03/29/2017 19:10	JR

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit



**Analytical Environmental Services, Inc**

**Date:** 5-Apr-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-032217-DF-004-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 3/22/2017 5:10:00 AM
<b>Lab ID:</b> 1703J17-007	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	240208	1	03/29/2017 19:13	JR

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 5-Apr-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-032217-KS-011-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 3/22/2017 5:13:00 AM
<b>Lab ID:</b> 1703J17-008	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	569	1.00		ug/L	240208	1	03/29/2017 19:17	JR

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 5-Apr-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-032217-KS-011-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 3/22/2017 5:14:00 AM
<b>Lab ID:</b> 1703J17-009	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.32	1.00		ug/L	240208	1	03/29/2017 19:20	JR

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

### SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: \_\_\_\_\_

AES Work Order Number: \_\_\_\_\_

2. Carrier: FedEx  UPS  USPS  Client  Courier  Other \_\_\_\_\_

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler received in good condition?				damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?					
5. Custody seals intact on shipping container?					
6. Temperature blanks present?					
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]				Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?					
9. Chain of Custody signed, dated, and timed when relinquished and received?					
10. Sampler name and/or signature on COC?					
11. Were all samples received within holding time?					
12. TAT marked on the COC?				If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	

13. Cooler 1 Temperature \_\_\_\_\_ °C    Cooler 2 Temperature \_\_\_\_\_ °C    Cooler 3 Temperature \_\_\_\_\_ °C    Cooler 4 Temperature \_\_\_\_\_ °C  
 Cooler 5 Temperature \_\_\_\_\_ °C    Cooler 6 Temperature \_\_\_\_\_ °C    Cooler 7 Temperature \_\_\_\_\_ °C    Cooler 8 Temperature \_\_\_\_\_ °C

15. Comments: \_\_\_\_\_

I certify that I have completed sections 1-15 (dated initials). \_\_\_\_\_

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?					
17. Custody seals present on sample containers?					
18. Custody seals intact on sample containers?					
19. Do sample container labels match the COC?				incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?					
21. Were all of the samples listed on the COC received?				samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?					
23. Did we receive sufficient sample volume for indicated analyses?					
24. Were samples received in appropriate containers?					
25. Were VOA samples received without headspace (< 1/4" bubble)?					
26. Were trip blanks submitted?				listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: \_\_\_\_\_

I certify that I have completed sections 16-27 (dated initials). \_\_\_\_\_

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked?					
29. Containers meet preservation guidelines?					
30. Was pH adjusted?					

I certify that I have completed sections 28-30 (dated initials). \_\_\_\_\_

Client: Atlanta Environmental Mgmt  
 Project Name: DCSD - 4052  
 Workorder: 1703J17

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 240208

Sample ID: <b>MB-240208</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>03/29/2017</b>	Run No: <b>339583</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>240208</b>	Analysis Date: <b>03/29/2017</b>	Seq No: <b>7426832</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: <b>LCS-240208</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>03/29/2017</b>	Run No: <b>339583</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>240208</b>	Analysis Date: <b>03/29/2017</b>	Seq No: <b>7426833</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 102.7 1.00 100.0 103 85 115

Sample ID: <b>1703J16-001AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>03/29/2017</b>	Run No: <b>339583</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>240208</b>	Analysis Date: <b>03/29/2017</b>	Seq No: <b>7426835</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 97.29 1.00 100.0 97.3 70 130

Sample ID: <b>1703J17-001AMS</b>	Client ID: <b>4052-032217-SC-001-A</b>	Units: <b>ug/L</b>	Prep Date: <b>03/29/2017</b>	Run No: <b>339583</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>240208</b>	Analysis Date: <b>03/29/2017</b>	Seq No: <b>7426840</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 105.7 1.00 100.0 4.336 101 70 130

Sample ID: <b>1703J16-001AMSD</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>03/29/2017</b>	Run No: <b>339583</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>240208</b>	Analysis Date: <b>03/29/2017</b>	Seq No: <b>7426836</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 97.25 1.00 100.0 97.2 70 130 97.29 0.042 20

**Qualifiers:** > Greater than Result value < Less than Result value B Analyte detected in the associated method blank  
 BRL Below reporting limit E Estimated (value above quantitation range) H Holding times for preparation or analysis exceeded  
 J Estimated value detected below Reporting Limit N Analyte not NELAC certified R RPD outside limits due to matrix  
 Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

Client: Atlanta Environmental Mgmt  
 Project Name: DCSD - 4052  
 Workorder: 1703J17

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 240217

Sample ID: <b>MB-240217</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>03/29/2017</b>	Run No: <b>339699</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>240217</b>	Analysis Date: <b>03/30/2017</b>	Seq No: <b>7430096</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: <b>LCS-240217</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>03/29/2017</b>	Run No: <b>339699</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>240217</b>	Analysis Date: <b>03/30/2017</b>	Seq No: <b>7430097</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 100.7 1.00 100.0 0.4869 100 85 115

Sample ID: <b>1703J16-009AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>03/29/2017</b>	Run No: <b>339699</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>240217</b>	Analysis Date: <b>03/30/2017</b>	Seq No: <b>7430099</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 102.0 1.00 100.0 0.2964 102 70 130

Sample ID: <b>1703J16-009AMSD</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>03/29/2017</b>	Run No: <b>339699</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>240217</b>	Analysis Date: <b>03/30/2017</b>	Seq No: <b>7430100</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 100.6 1.00 100.0 0.2964 100 70 130 102.0 1.30 20

**Qualifiers:** > Greater than Result value < Less than Result value B Analyte detected in the associated method blank  
 BRL Below reporting limit E Estimated (value above quantitation range) H Holding times for preparation or analysis exceeded  
 J Estimated value detected below Reporting Limit N Analyte not NELAC certified R RPD outside limits due to matrix  
 Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

## Leona Miles

---

**From:** NoReply@aesatlanta.net  
**Sent:** Monday, October 2, 2017 5:39 PM  
**To:** leona-miles@aem-net.com; tim-royer@aem-net.com  
**Subject:** DCSD - 4052  
**Attachments:** 1709G32\_REPORT.pdf; 1709G32Invoice.pdf

Please see attached. If you have any questions or need further assistance please contact your project manager at 770-457-8177.

AES Reporting System

ANALYTICAL ENVIRONMENTAL SERVICES, INC.  
3080 Presidential Drive ATLANTA, GA 30340  
Tel:770-457-8177 Fax:770-457-8188  
<http://www.aesatlanta.com>

NOTICE OF CONFIDENTIALITY: The information in this email and / or attachments may be legally privileged and is confidential information intended for the use of the individual or entity named in the email address. If the reader of this message is not the intended recipient, you are hereby notified that any use, dissemination, distribution, or copy of this email and / or attachments is strictly prohibited. If you have received this email in error, please notify Analytical Environmental Services Customer Service by telephone at (770) 457-8177 or by email at [info@aesatlanta.com](mailto:info@aesatlanta.com) <<mailto:info@aesatlanta.com>> and delete the message. Thank you



# ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 02, 2017

Leona Miles  
Atlanta Environmental Mgmt  
2580 NE Expressway  
Atlanta GA 30345

RE: DCSD - 4052

Dear Leona Miles:

Order No: 1709G32

Analytical Environmental Services, Inc. received 4 samples on 9/20/2017 8:36:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

-NELAP/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions for Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.

-NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Ioana Pacurar  
Project Manager





**ANALYTICAL ENVIRONMENTAL SERVICES, INC**

3080 Presidential Drive, Atlanta GA 30340-3704

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

**CHAIN OF CUSTODY**

Work Order: 1709632

Date: 9/20/17 Page 1 of 1

<b>COMPANY:</b> Atlanta Environmental Management, Inc		<b>ADDRESS:</b> 2580 Northeast Expressway, NE Atlanta, GA 30345		<b>ANALYSIS REQUESTED</b>						Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.	No # of Containers			
<b>PHONE:</b> (404) 329-9006		<b>FAX:</b> (404) 329-2057		Total Pb Method 200.8										
<b>SAMPLED BY:</b> Tony L Gordon		<b>SIGNATURE:</b> 		PRESERVATION (See codes)						REMARKS				
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)	I							
1	4052-092017-DF-006-A	9/20/17	0450	X		DW	X							1
2	4052-092017-DF-006-B		0451	X		DW	X							1
3	4052-092017- <del>KS</del> -001-A		0455	X		DW	X							1
4	4052-092017-KS-011-B		0456	X		DW	X							1
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

<b>RELINQUISHED BY</b>	<b>DATE/TIME</b>	<b>RECEIVED BY</b>	<b>DATE/TIME</b>	<b>PROJECT INFORMATION</b>	<b>RECEIPT</b>
1: Tony L Gordon	9/20/17 0800	1: McA Dohy	9/20/17 0810	PROJECT NAME: DCSD	Total # of Containers <u>4</u>
2: McA Dohy	9/20/17 0836	2:	9/20/17 0836	PROJECT #: 1561-1601	<input type="radio"/> Standard 5 Business Days <input type="radio"/> 2 Business Day Rush <input type="radio"/> Next Business Day Rush <input type="radio"/> Same Day Rush (auth req.) <input checked="" type="radio"/> Other: 10 business Days
3:		3:		SITE ADDRESS: 4052	
<b>SPECIAL INSTRUCTIONS/COMMENTS:</b> Preserve at the Lab per protocol		<b>SHIPMENT METHOD</b>		SEND REPORT TO: Leona Miles and Tim Royer	
		OUT / / VIA: IN / / VIA: <input checked="" type="radio"/> CLIENT FedEx UPS MAIL COURIER <input type="radio"/> GREYHOUND OTHER		INVOICE TO: (IF DIFFERENT FROM ABOVE)  leona-miles@aem-net.com; tim-royer@aem-net.com	STATE PROGRAM (if any): _____
				QUOTE #: _____ PO#: _____	E-mail? Y/N; Fax? Y/N
					DATA PACKAGE: I II III IV

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.  
 SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water DW = Drinking Water W = Water (Blanks) O = Other (specify)  
 PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

**Analytical Environmental Services, Inc**

**Date:** 2-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-092017-DF-006-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 9/20/2017 4:50:00 AM
<b>Lab ID:</b> 1709G32-001	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	248780	1	09/26/2017 02:29	JR

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 2-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-092017-DF-006-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 9/20/2017 4:51:00 AM
<b>Lab ID:</b> 1709G32-002	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	248780	1	09/26/2017 02:33	JR

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 2-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-092017-KS-011-A
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 9/20/2017 4:55:00 AM
<b>Lab ID:</b> 1709G32-003	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	10.4	1.00		ug/L	248780	1	09/26/2017 02:36	JR

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

**Analytical Environmental Services, Inc**

**Date:** 2-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 4052-092017-KS-011-B
<b>Project Name:</b> DCSD - 4052	<b>Collection Date:</b> 9/20/2017 4:56:00 AM
<b>Lab ID:</b> 1709G32-004	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	248780	1	09/26/2017 02:40	JR

**Qualifiers:**

- \* Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

### SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: \_\_\_\_\_

AES Work Order Number: \_\_\_\_\_

2. Carrier: FedEx  UPS  USPS  Client  Courier  Other \_\_\_\_\_

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler received in good condition?				damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?					
5. Custody seals intact on shipping container?					
6. Temperature blanks present?					
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]				Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?					
9. Chain of Custody signed, dated, and timed when relinquished and received?					
10. Sampler name and/or signature on COC?					
11. Were all samples received within holding time?					
12. TAT marked on the COC?				If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	

13. Cooler 1 Temperature \_\_\_\_\_ °C    Cooler 2 Temperature \_\_\_\_\_ °C    Cooler 3 Temperature \_\_\_\_\_ °C    Cooler 4 Temperature \_\_\_\_\_ °C  
 Cooler 5 Temperature \_\_\_\_\_ °C    Cooler 6 Temperature \_\_\_\_\_ °C    Cooler 7 Temperature \_\_\_\_\_ °C    Cooler 8 Temperature \_\_\_\_\_ °C

15. Comments: \_\_\_\_\_

I certify that I have completed sections 1-15 (dated initials). \_\_\_\_\_

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?					
17. Custody seals present on sample containers?					
18. Custody seals intact on sample containers?					
19. Do sample container labels match the COC?				incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?					
21. Were all of the samples listed on the COC received?				samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?					
23. Did we receive sufficient sample volume for indicated analyses?					
24. Were samples received in appropriate containers?					
25. Were VOA samples received without headspace (< 1/4" bubble)?					
26. Were trip blanks submitted?				listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: \_\_\_\_\_

I certify that I have completed sections 16-27 (dated initials). \_\_\_\_\_

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *					
29. Containers meet preservation guidelines?					
30. Was pH adjusted at Sample Receipt?					

I certify that I have completed sections 28-30 (dated initials). \_\_\_\_\_

**Client:** Atlanta Environmental Mgmt  
**Project Name:** DCSD - 4052  
**Workorder:** 1709G32

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 248780**

Sample ID: <b>MB-248780</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>09/25/2017</b>	Run No: <b>352887</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>248780</b>	Analysis Date: <b>09/26/2017</b>	Seq No: <b>7762123</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: <b>LCS-248780</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>09/25/2017</b>	Run No: <b>352887</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>248780</b>	Analysis Date: <b>09/26/2017</b>	Seq No: <b>7762126</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 95.33 1.00 100.0 95.3 85 115

Sample ID: <b>1709E50-006AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>09/25/2017</b>	Run No: <b>352887</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>248780</b>	Analysis Date: <b>09/26/2017</b>	Seq No: <b>7762128</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 97.60 1.00 100.0 3.870 93.7 70 130

Sample ID: <b>1709G33-002AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>09/25/2017</b>	Run No: <b>352887</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>248780</b>	Analysis Date: <b>09/26/2017</b>	Seq No: <b>7762132</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 94.51 1.00 100.0 94.5 70 130

Sample ID: <b>1709E50-006AMSD</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>09/25/2017</b>	Run No: <b>352887</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>248780</b>	Analysis Date: <b>09/26/2017</b>	Seq No: <b>7762129</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 99.32 1.00 100.0 3.870 95.5 70 130 97.60 1.75 20

**Qualifiers:** > Greater than Result value < Less than Result value B Analyte detected in the associated method blank  
 BRL Below reporting limit E Estimated (value above quantitation range) H Holding times for preparation or analysis exceeded  
 J Estimated value detected below Reporting Limit N Analyte not NELAC certified R RPD outside limits due to matrix  
 Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

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**ATTACHMENT C**  
**Excerpt from Pace Laboratory Analytical Report**





**PACE ANALYTICAL SERVICES, INC.**

Environmental Monitoring & Laboratory Analysis  
110 Technology Parkway, Peachtree Corners, GA 30092  
(770) 734-4200 FAX (770) 734-4201

**Laboratory Report**

**Prepared For:**

**DeKalb County Public Works - Doraville  
4830 Winters Chapel Rd  
Doraville, GA 30360**

**Attention: Ms. Jody Shoemaker**

**Report Number: AZJ0179**

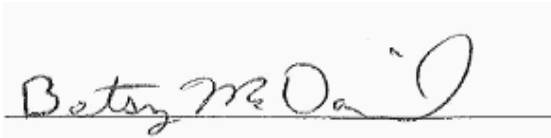
**October 18, 2016**

**Project: School Board**

**Project #:[none]**

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Approved:



Betsy McDaniel  
Project Manager

This report may not be reproduced, except in full, without written approval from Pace Analytical Services, Inc. Pace Analytical Services, Inc. certifies that the following analytical results meet all requirements of the National Environmental Laboratory Accreditation Conference(NELAC).  
All test results relate only to the samples analyzed.



**PACE ANALYTICAL SERVICES, INC.**

Environmental Monitoring & Laboratory Analysis  
 110 Technology Parkway, Peachtree Corners, GA 30092  
 (770) 734-4200 FAX (770) 734-4201

DeKalb County Public Works - Doraville  
 4830 Winters Chapel Rd  
 Doraville GA, 30360  
 Attention: Ms. Jody Shoemaker

October 18, 2016

**Report No.:** AZJ0179  
**Client ID:** 23-Murphy Candler Elem  
**Date/Time Sampled:** 10/6/2016 6:00:00AM  
**Matrix:** Drinking Water

**Project:** School Board  
**Lab Number ID:** AZJ0179-03  
**Date/Time Received:** 10/6/2016 11:33:00AM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
<b>Metals, Total</b>										
Lead	0.979	0.0150	mg/L	EPA 200.8		5	10/11/16 9:30	10/17/16 16:22	6100197	CSW



**PACE ANALYTICAL SERVICES, INC.**

Environmental Monitoring & Laboratory Analysis  
 110 Technology Parkway, Peachtree Corners, GA 30092  
 (770) 734-4200 FAX (770) 734-4201

DeKalb County Public Works - Doraville  
 4830 Winters Chapel Rd  
 Doraville GA, 30360  
 Attention: Ms. Jody Shoemaker

October 18, 2016

**Report No.: AZJ0179**

**Metals, Total - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
<b>Batch 6100197 - EPA 200.8</b>										
<b>Blank (6100197-BLK1)</b>					Prepared & Analyzed: 10/11/16					
Lead	ND	0.0030	mg/L							
<b>LCS (6100197-BS1)</b>					Prepared & Analyzed: 10/11/16					
Lead	0.102	0.0030	mg/L	0.10000		102	85-115			
<b>Matrix Spike (6100197-MS1)</b>					Source: AZJ0203-10 Prepared & Analyzed: 10/11/16					
Lead	0.141	0.0030	mg/L	0.10000	0.0411	100	70-130			
<b>Matrix Spike (6100197-MS2)</b>					Source: AZJ0202-01 Prepared & Analyzed: 10/11/16					
Lead	0.152	0.0030	mg/L	0.10000	0.0527	99	70-130			
<b>Post Spike (6100197-PS1)</b>					Source: AZJ0203-10 Prepared & Analyzed: 10/11/16					
Lead	137		ug/L	100.00	41.1	96	85-115			
<b>Batch 6100277 - EPA 200.8</b>										
<b>Blank (6100277-BLK1)</b>					Prepared & Analyzed: 10/11/16					
Lead	ND	0.0030	mg/L							
<b>LCS (6100277-BS1)</b>					Prepared & Analyzed: 10/11/16					
Lead	0.0994	0.0030	mg/L	0.10000		99	85-115			
<b>Matrix Spike (6100277-MS1)</b>					Source: AZJ0162-01 Prepared & Analyzed: 10/11/16					
Lead	0.100	0.0030	mg/L	0.10000	0.0010	99	70-130			
<b>Matrix Spike (6100277-MS2)</b>					Source: AZJ0162-02 Prepared & Analyzed: 10/11/16					
Lead	0.100	0.0030	mg/L	0.10000	0.0001	100	70-130			



**PACE ANALYTICAL SERVICES, INC.**

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Environmental Monitoring & Laboratory Analysis  
110 Technology Parkway, Peachtree Corners, GA 30092  
(770) 734-4200 FAX (770) 734-4201

DeKalb County Public Works - Doraville  
4830 Winters Chapel Rd  
Doraville GA, 30360  
Attention: Ms. Jody Shoemaker

October 18, 2016

**Laboratory Certifications**

Code	Description	Number	Expires
GADW	Georgia DW Inorganics Eff: 07/01/2016	812	06/30/2017
NELDW	FL DOH NELAC (Drinking Water) Eff: 07/01/2016	E87315	06/30/2017



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Attention: Ms. Jody Shoemaker

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Environmental Monitoring & Laboratory Analysis  
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October 18, 2016

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## Legend

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### Definition of Laboratory Terms

**ND** - None Detected at the Reporting Limit

**TIC** - Tentatively Identified Compound

**CFU** - Colony Forming Units

**SOP** - Method run per Pace Standard Operating Procedure

**RL** - Reporting Limit

**DF** - Dilution Factor

\* - Analyte not included in the NELAC list of certified analytes.

### Sample Information

N-Nitrosodiphenylamine breaks down to diphenylamine in the GCMS; both analytes are reported as N-Nitrosodiphenylamine. Pace is not NELAC certified for diphenylamine.

Phthalic acid and phthalic anhydride are reported as dimethyl phthalate

Maleic acid and maleic anhydride are reported as dimethyl malate

1,2-Diphenylhydrazine breaks down to azobenzene in the GCMS; both analytes are reported as azobenzene

### Definition of Qualifiers

**Note: Unless otherwise noted, all results are reported on an as received basis.**

CHAIN OF CUSTODY RECORD



Pace Analytical Services, Inc  
 110 TECHNOLOGY PARKWAY, PEACHTREE CORNERS, GA 30092  
 (770) 734-4200 : FAX (770) 734-4201

PAGE: \_\_\_\_\_ OF \_\_\_\_\_

CLIENT NAME: DeKalb County Watershed					ANALYSIS REQUESTED										L A B  I D  N U M B E R  ↓	CONTAINER TYPE		PRESERVATION																								
CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: 4830 Winters Chapel Rd					CONTAINER TYPE: P PRESERVATION: 3											C O N T A I N E R S  ↓	P	1 - HCl, ≤6°C																								
REPORT TO: J. Shremaker		CC:			# of  200.8  Lead/EPA												B	2 - H <sub>2</sub> SO <sub>4</sub> , ≤6°C																								
REQUESTED COMPLETION DATE:		PO #: 1028490														A	3 - HNO <sub>3</sub>																									
PROJECT NAME/STATE: School Board																V	4 - NaOH, ≤6°C																									
PROJECT #:					I	5 - NaOH/ZnAc, ≤6°C																																				
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Collection DATE</th> <th>Collection TIME</th> <th>MATRIX CODE*</th> <th>C O M P</th> <th>G R A B</th> <th>SAMPLE IDENTIFICATION</th> </tr> </thead> <tbody> <tr> <td>10-6-16</td> <td>06:10</td> <td>DW</td> <td>X</td> <td></td> <td>25-K.Hredge Magnet</td> </tr> <tr> <td>10-6-16</td> <td>07:22</td> <td>DW</td> <td>X</td> <td></td> <td>21-John Lewis Elem</td> </tr> <tr> <td>10-6-16</td> <td>06:00</td> <td>DW</td> <td>X</td> <td></td> <td>23-Murphy Cantler Elem</td> </tr> <tr> <td>10-6-16</td> <td>07:45</td> <td>DW</td> <td>X</td> <td></td> <td>24-Rock Chapel Elem</td> </tr> <tr> <td>10-6-16</td> <td>10:06</td> <td>DW</td> <td>X</td> <td></td> <td>22-Indian Creek Elem</td> </tr> </tbody> </table>					Collection DATE	Collection TIME	MATRIX CODE*	C O M P	G R A B	SAMPLE IDENTIFICATION	10-6-16	06:10	DW	X		25-K.Hredge Magnet	10-6-16	07:22	DW	X		21-John Lewis Elem	10-6-16	06:00	DW	X		23-Murphy Cantler Elem	10-6-16	07:45	DW	X		24-Rock Chapel Elem	10-6-16	10:06	DW	X		22-Indian Creek Elem	D	6 - Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , ≤6°C
Collection DATE	Collection TIME	MATRIX CODE*	C O M P	G R A B	SAMPLE IDENTIFICATION																																					
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												N	7 - ≤6°C not frozen																													
												M	*MATRIX CODES:																													
												B	DW - DRINKING WATER	S - SOIL																												
												E	WW - WASTEWATER	SL - SLUDGE																												
												R	GW - GROUNDWATER	SD - SOLID																												
													SW - SURFACE WATER	A - AIR																												
													ST - STORM WATER	L - LIQUID																												
													W - WATER	P - PRODUCT																												
REMARKS/ADDITIONAL INFORMATION																																										
SAMPLED BY AND TITLE: M. Bailey - SR LAB ENR					DATE/TIME: 10-6-16 10:06					RELINQUISHED BY: M. Bailey					DATE/TIME: 10-6-16 11:33					FOR LAB USE ONLY																						
RECEIVED BY: Charles Hunte					DATE/TIME: 10/6/16 1133					SAMPLE SHIPPED VIA: UPS					CLIENT					LAB #: A250179																						
Checked: Yes No NA					Temperature: 4°C Min: 4°C Max:					Custody Seal: Intact Broken Not Present					# of Coolers					Entered into LIMS: LTH																						
																				Tracking #:																						



## PACE ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis  
110 Technology Parkway, Peachtree Corners, GA 30092  
(770) 734-4200 FAX (770) 734-4201

### LOG-IN CHECKLIST

Printed: 10/18/2016 2:52:26PM

Attn: Ms. Jody Shoemaker

Client: DeKalb County Public Works - Doraville  
Project: School Board  
Date Received: 10/06/16 11:33

Work Order: AZJ0179  
Logged In By: Charles Hawks

### OBSERVATIONS

#Samples: 5                                  #Containers: 5  
Minimum Temp(C): 4.0                  Maximum Temp(C): 4.0                  Custody Seal(s) Used: N/A

### CHECKLIST ITEMS

COC included with Samples	YES
Sample Container(s) Intact	YES
Chain of Custody Complete	YES
Sample Container(s) Match COC	YES
Custody seal Intact	NO
Temperature in Compliance	YES
Sufficient Sample Volume for Analysis	YES
Zero Headspace Maintained for VOA Analyses	YES
Samples labeled preserved (If Applicable)	YES
Samples received within Allowable Hold Times	YES
Samples Received on Ice	YES
Preservation Confirmed	YES

Comments:



October 6, 2017

**Via E-Mail: Joshua\_I\_williams@dekalbschoolsga.org**

Mr. Joshua L. Williams, MBA, MSM, PMP  
Chief Operations Officer  
DeKalb County School District  
Operations Division  
Sam Moss Service Center  
1780 Montreal Road  
Tucker, Georgia 30084

**Re: Summary of Additional Lead in Drinking Water Sample Results  
Murphy Candler Elementary School (Facility ID #4052)  
6775 S. Goddard Road, Lithonia, Georgia 30038  
AEM Project No. 1561-1601**

Dear Mr. Williams:

Atlanta Environmental Management, Inc. (AEM) is pleased to provide the DeKalb County School District (DCSD) an electronic copy of the Lead in Drinking Water Sample Results for Murphy Candler Elementary School (Facility ID #4052). Additional drinking water samples from select source units were collected on March 22, 2017, and September 20, 2017, and analytical results were received from Analytical Environmental Services, Inc., on April 5, 2017, and October 3, 2017.

## **FINDINGS**

### ***Initial Sample Results of Previously Identified Inoperable Source Units***

During the initial sampling event on October 6, 2016, two source units were inoperable and could not be sampled. DCSD made repairs to the inoperable source units, and AEM collected two drinking water samples from DF-004 on March 22, 2017, and two samples from DF-006 on September 20, 2017. A description of the drinking water outlet sampled and a summary of sample analytical results are provided in Table 1.

None of the samples from these source units had a drinking water sample result that contained lead at a concentration at or above EPA's action level of 15 ppb.

### ***Sample Results of Previously Identified Source Units That Exceeded 15 ppb***

During the initial sampling event on October 6, 2016, three source units were sampled and the analytical results indicated that the results were above EPA's action level of 15 ppb. DCSD replaced the source units and AEM collected six drinking water samples on March 22, 2017. A description of the drinking water outlet sampled and a summary of sample analytical results are provided in Table 2.

None of the samples from source unit KS-009 and KS-010 had a drinking water sample result that contained lead at a concentration at or above EPA's action level of 15 ppb. One or more of the samples collected from source unit KS-011 exceeded the EPA action level of



15 ppb. Source unit KS-011 remained out of service so that additional remediation measures could be evaluated.

A filter was added to the faucet of KS-011 and retesting was conducted on September 20, 2017. None of the samples collected from KS-011 contained lead at a concentration exceeding EPA's action level of 15 ppb.

**Sample Results of Previously Identified Source Units That Were Inconclusive**

During the initial sampling event on October 6, 2016, the analytical result for the service connection was inconclusive. A resampling of the service connection was conducted on March 22, 2017, where AEM collected one sample. A description of the source unit sampled and a summary of sample analytical results are provided in Table 2.

The result for the service connection was below EPA's action level of 15 ppb.

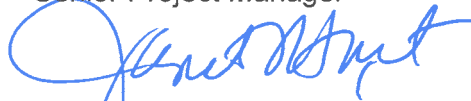
We appreciate your selection of AEM for this project. If you have any questions, please do not hesitate to contact us.

Sincerely,

**Atlanta Environmental Management, Inc.**



Leona Miles, CHMM  
Senior Project Manager



Janet T. Hart  
President

/krf

cc: Daniel Drake (DCSD)  
Tracee Hill (DCSD)  
Sandra Glenn (DeKalb County Watershed Management)  
Ryan Cira (DeKalb Board of Health)

Attachment: Table

**Table 1. Summary of Additional Lead in Drinking Water Laboratory Analytical Results**

**Murphy Candler Elementary School**

6775 S. Goddard Road, Lithonia, GA 30038



Sample ID*/**	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
4052-032217-DF-004-A	Initial Draw sample; Upper Right Elkay Drinking Fountain in hallway across from Rm 308	3/22/17 5:09 AM	None Detected
4052-032217-DF-004-B	Flush sample; Upper Right Elkay Drinking Fountain in hallway across from Rm 308	3/22/17 5:10 AM	None Detected
4052-092017-DF-006-A	Initial Draw Sample; Upper Elkay Drinking Fountain in hallway near Rm 300	9/20/17 4:50 AM	None Detected
4052-092017-DF-006-B	Flush Sample; Upper Elkay Drinking Fountain in hallway near Rm 300	9/20/17 4:51 AM	None Detected

**Notes:**

ppb-parts per billion

**Bold**-Exceeds 15 ppb--EPA's Action Level for Lead

\* Note--Where "A" and "B" are indicated, AEM collected two samples at each source area location: ("A") initial draw sample; and ("B") after a 30-second flush sample

\*\*The Source Units were inoperable during the initial testing on 10/06/16. The above summarizes the initial test results post-repair.

Table 2. Summary of Lead in Drinking Water Laboratory Analytical Retest Results

**Murphy Candler Elementary School**

6775 S. Goddard Road, Lithonia, GA 30038



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results ( ppb)
4052-032217-KS-009-A**	Initial Draw sample; Retest Kindergarten Sink with bubbler in Rm 314; sampled bubbler	3/22/17 5:02 AM	2.89
4052-032217-KS-009-B**	Flush sample; Retest Kindergarten Sink with bubbler in Rm 314; sampled bubbler	3/22/17 5:03 AM	1.49
4052-032217-KS-010-A**	Initial Draw sample; Retest Kindergarten Sink with bubbler in Rm 309; sampled bubbler	3/22/17 5:06 AM	1.90
4052-032217-KS-010-B**	Flush sample; Retest Kindergarten Sink with bubbler in Rm 309; sampled bubbler	3/22/17 5:07 AM	None Detected
4052-092017-KS-011-A**	Initial Draw sample; Retest Kindergarten Sink with no bubbler in Rm 302; facing the wall, the middle sink sampled	9/20/17 4:55 AM	10.4
4052-092017-KS-011-B**	Flush sample; Retest Kindergarten Sink with no bubbler in Rm 302; facing the wall, the middle sink sampled	9/20/17 4:56 AM	None Detected
4052-032217-SC-001-A***	Service Connection Entry into Building	3/22/17 4:54 AM	4.34

**Notes:**

ppb-parts per billion

**Bold**-Exceeds 15 ppb--EPA's Action Level for Lead

\* Note--Where "A" and "B" are indicated, AEM collected two samples at each source area location: ("A") initial draw sample; and ("B") after a 30-second flush sample

\*\*The source unit was initially sampled on 10/06/17 and the initial results indicated that a concentration exceeded the EPA standard of 15 ppb. The source unit was replaced and/or a filter was installed by DCSD and retesting was conducted. The above summarizes the retest results.

\*\*\*The source unit was initially sampled on 10/06/17 and the initial result was inconclusive. The above summarizes the retest results.