



November 30, 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  
Miller Grove Middle School (Facility ID #0597)  
2215 Miller Road, Decatur, Georgia 30035  
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 Miller Grove Middle School (Facility ID #0597). Additional drinking water samples from select source units were collected on September 29, 2017, and analytical results were received from Analytical Environmental Services, Inc., on October 11, 2017.

## **FINDINGS**

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

During the initial sampling event on December 15, 2016, three source units (DF-014, DF-015, and DF-016) were inoperable and could not be sampled. DCSD replaced the source units and AEM collected six drinking water samples on September 29, 2017. A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 1.

None of the samples collected contained lead at a concentration exceeding EPA's action level of 15 parts per billion (ppb).

### ***Initial Sample Results of Previously Identified Source Units Not Sampled***

During the initial sampling event on December 15, 2016, six source units (CS-002 through CS-007) were not initially identified as a drinking water source per the Sampling Protocol. The Sampling Protocol was revised, and out of an abundance of caution it was determined that these source units should be sampled. Thus, on November 1, 2017, AEM collected 12 drinking water samples.

None of the samples collected from source units CS-003 through CS-007 had a result at a concentration at or above EPA's action level of 15 ppb. One or more of the samples collected from source unit CS-002 contained lead at a concentration at or above EPA's action level of 15 ppb.

DCSD replaced the faucet on source unit CS-002 and AEM collected two drinking water samples on November 21, 2017. None of the samples collected contained lead at a concentration exceeding EPA's action level of 15 ppb.

A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 1.

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

During the initial sampling event on December 15, 2016, one source unit (RS-002) was sampled and the analytical results indicated that the results were above EPA's action level of 15 ppb. During the initial sampling only one sink was located in the restroom associated with RS-002. DCSD replaced the source unit. Upon arrival, two sinks were located in the restroom; thus, AEM collected four drinking water samples on September 29, 2017. A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 2.

None of the samples collected contained lead at a concentration exceeding 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**

**Miller Grove Middle School**

2215 Miller Road, Decatur, GA 30035



Sample ID*/**	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0597-092917-DF-014-A	Initial Draw Sample; Elkay Drinking Fountain to the right of Rm 107	9/29/17 5:18 AM	None Detected
0597-092917-DF-014-B	Flush Sample; Elkay Drinking Fountain to the right of Rm 107	9/29/17 5:19 AM	None Detected
0597-092917-DF-015-A	Initial Draw Sample; Elkay Drinking Fountain across from Rm 106	9/29/17 5:23 AM	None Detected
0597-092917-DF-015-B	Flush Sample; Elkay Drinking Fountain across from Rm 106	9/29/17 5:24 AM	None Detected
0597-092917-DF-016-A	Initial Draw Sample; Elkay Drinking Fountain to the left of RRs and across from Rm 514	9/29/17 5:29 AM	None Detected
0597-092917-DF-016-B	Flush Sample; Elkay Drinking Fountain to the left of RRs and across from Rm 514	9/29/17 5:30 AM	None Detected
0597-112117-CS-002-A	Initial Draw sample; Retest Sink nearest to the Entrance; Kitchen 6; Rm 309	11/21/17 5:07 AM	4.73
0597-112117-CS-002-B	Flush sample; Retest Sink nearest to the Entrance; Kitchen 6; Rm 309	11/21/17 5:08 AM	None Detected
0597-110117-CS-003-A	Initial Draw sample; Sink opposite the counter top from CS-002; Kitchen 5; Rm 309	11/1/17 5:32 AM	10.0
0597-110117-CS-003-B	Flush sample; Sink opposite the counter top from CS-002; Kitchen 5; Rm 309	11/1/17 5:33 AM	None Detected
0597-110117-CS-004-A	Initial Draw sample; Sink in front right corner of the room; Kitchen 4; Rm 309	11/1/17 5:34 AM	6.47
0597-110117-CS-004-B	Flush sample; Sink in front right corner of the room; Kitchen 4; Rm 309	11/1/17 5:35 AM	None Detected
0597-110117-CS-005-A	Initial Draw sample; Sink in the back right corner; Kitchen 3; Rm 309	11/1/17 5:36 AM	4.30
0597-110117-CS-005-B	Flush sample; Sink in the back right corner; Kitchen 3; Rm 309	11/1/17 5:37 AM	None Detected
0597-110117-CS-006-A	Initial Draw sample; Sink in Kitchen 2; Rm 309	11/1/17 5:38 AM	5.72
0597-110117-CS-006-B	Flush sample; Sink in Kitchen 2; Rm 309	11/1/17 5:39 AM	None Detected
0597-110117-CS-007-A	Initial Draw sample; Sink in Kitchen 1; Rm 309	11/1/17 5:40 AM	9.96
0597-110117-CS-007-B	Flush sample; Sink in Kitchen 1; Rm 309	11/1/17 5:41 AM	1.35

**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

\*\*Source Unit was not tested during the Initial Sampling on 12/15/16 as it was not identified as a drinking water source or was inoperable. The above summarizes the initial testing.

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

**Miller Grove Middle School**

2215 Miller Road, Decatur, GA 30035



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0597-092917-RS-002-A	Initial Draw sample; Girls RR Rm 201.2 near Concession Stand; Left sink	9/29/17 5:09 AM	4.98
0597-092917-RS-002-B	Flush sample; Girls RR Rm 201.2 near Concession Stand; Left sink	9/29/17 5:10 AM	2.84
0597-092917-RS-002-A2	Initial Draw sample; Girls RR Rm 201.2 near Concession Stand; Right sink	9/29/17 5:12 AM	5.58
0597-092917-RS-002-B2	Flush sample; Girls RR Rm 201.2 near Concession Stand; Right sink	9/29/17 5:13 AM	2.52

**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

\*\*Source unit was initially sampled on 12/15/16 and the initial results indicated that concentrations exceeded the EPA standard of 15 ppb. The source unit was replaced by DCSD and retesting was conducted. The above summarizes the retesting results.





January 5, 2018

**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: Final Technical Lead in Drinking Water Sampling Report  
Miller Grove Middle School (Facility ID #0597)  
2215 Miller Road, Decatur, Georgia 30035  
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 Miller Grove Middle School (Facility ID #0597).

Initial sampling was conducted on December 15, 2016, and analytical results were received from Analytical Environmental Services, Inc., on January 5, 2017. Additional drinking water samples from select source units were collected on September 29, 2017, November 1, 2017, and November 21, 2016, and analytical results were received from Analytical Environmental Services, Inc., on October 11, 2017, November 13, 2017, and November 29, 2017.

## **FINDINGS**

### ***Initial Testing***

AEM collected 45 drinking water samples from 23 sources at Miller Grove Middle School (Facility ID #0597), including 2 duplicate samples (see Figure 1). A description of the drinking water outlets sampled and a summary of sample analytical results are provided in the attached table.

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.

One of the 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). This source is indicated in bold and shaded font in the attached table (see Table 1).

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

During the initial sampling event on December 15, 2016, three source units (DF-014, DF-015, and DF-016) were inoperable and could not be sampled. DCSD replaced the source units and AEM collected six drinking water samples on September 29, 2017. A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 1.

None of the samples collected contained lead at a concentration exceeding EPA's action level of 15 parts per billion (ppb).

***Initial Sample Results of Previously Identified Source Units Not Sampled***

During the initial sampling event on December 15, 2016, six source units (CS-002 through CS-007) were not initially identified as a drinking water source per the Sampling Protocol. The Sampling Protocol was revised, and out of an abundance of caution it was determined that these source units should be sampled. Thus, on November 1, 2017, AEM collected 12 drinking water samples. A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 1.

None of the samples collected from source units CS-003 through CS-007 had a result at a concentration at or above EPA's action level of 15 ppb. One or more of the samples collected from source unit CS-002 contained lead at a concentration at or above EPA's action level of 15 ppb.

DCSD replaced the faucet on source unit CS-002 and AEM collected two drinking water samples on November 21, 2017. None of the samples collected contained lead at a concentration exceeding EPA's action level of 15 ppb.

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

During the initial sampling event on December 15, 2016, one source unit (RS-002) was sampled and the analytical results indicated that the results were above EPA's action level of 15 ppb. During the initial sampling, only one sink was located in the restroom associated with RS-002. DCSD replaced the source unit. Upon arrival, two sinks were located in the restroom; thus, AEM collected four drinking water samples on September 29, 2017 (RS-002-A/B and RS-002-A2/B2). A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 1.

None of the samples collected contained lead at a concentration exceeding EPA's action level of 15 ppb.

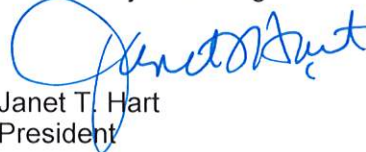
We appreciate your selection of AEM for this project. If you have any questions, please do not hesitate to contact us.

Sincerely,

***Atlanta Environmental Management, Inc.***



Leona Miles, CHMM  
Senior Project Manager



Janet T. Hart  
President

/krf

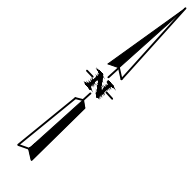
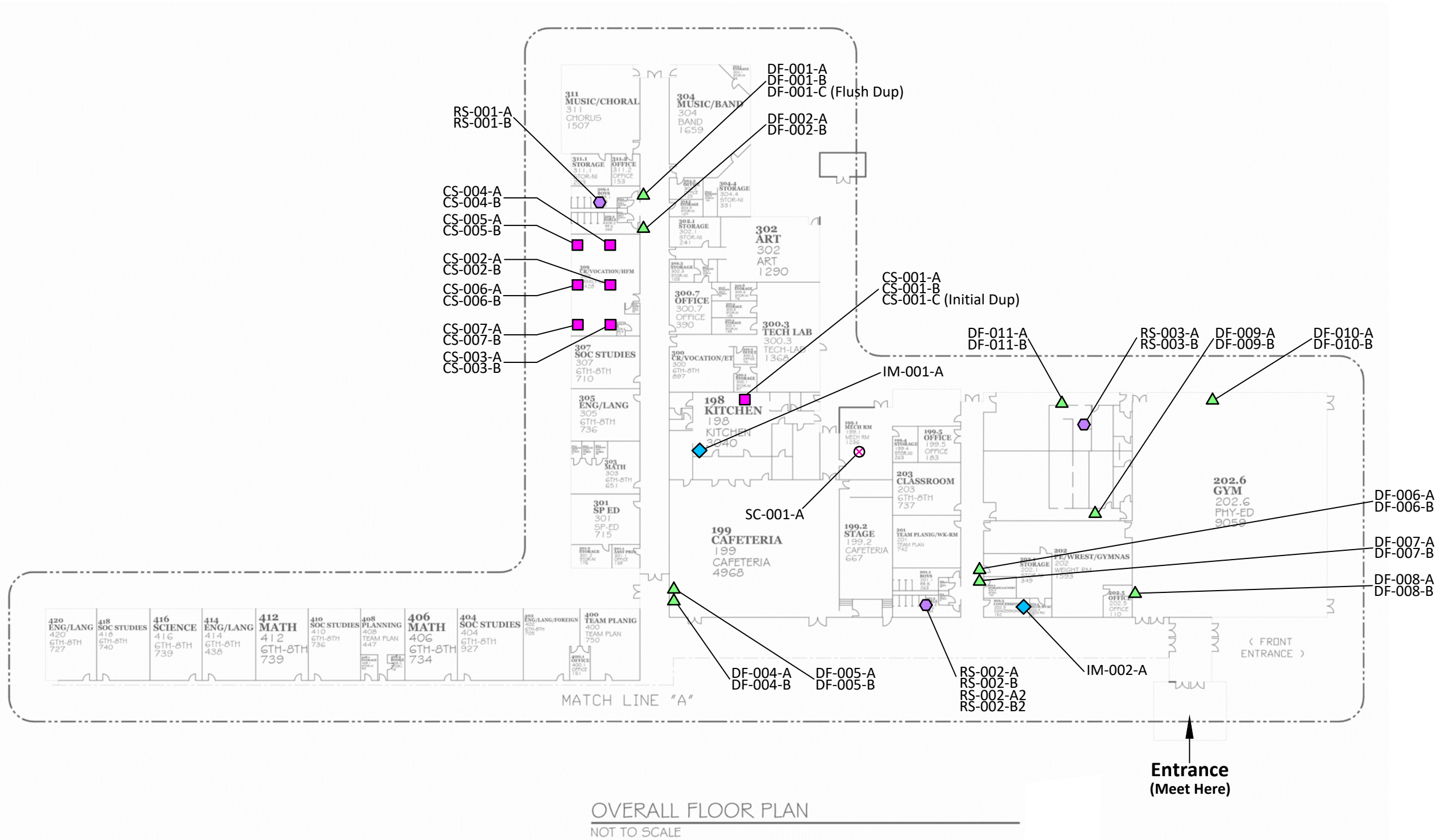
cc: Daniel Drake (DCSD)  
Tracee Hill (DCSD)


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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)

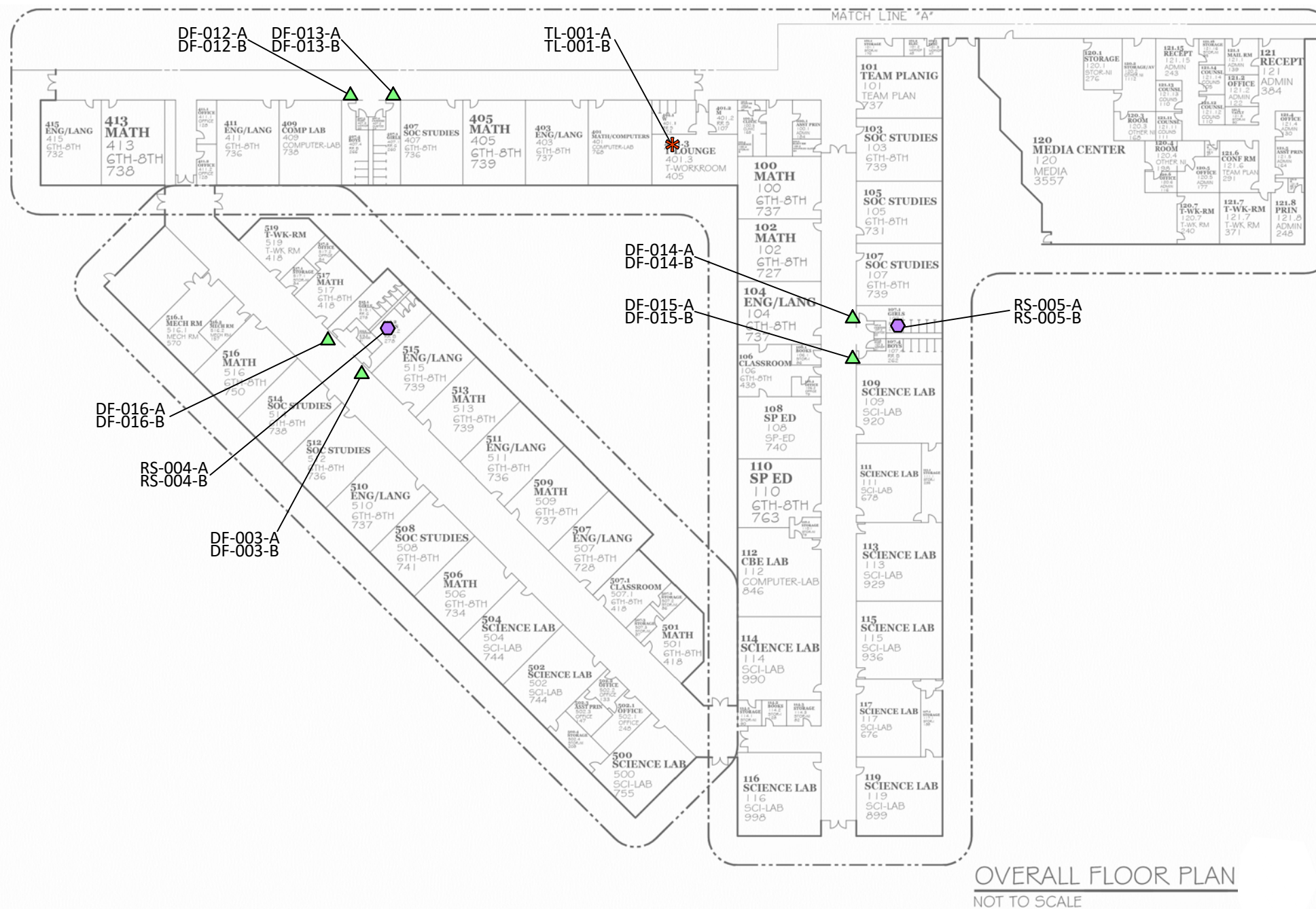



 <b>Atlanta Environmental Management, Inc.</b> Environmental Consulting, Engineering, Hydrogeologic Services 2580 Northeast Expressway • Atlanta, Georgia 30345 Phone: 404.329.9006 • Fax: 404.329.2057		Client: DeKalb County School District Site Location: Miller Grove Middle Facility (#0597) 2215 Miller Road Decatur, GA 30035	
PROJECT #:	1561-1601-0597	DATE:	January 3, 2018
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Sample Location Plan			Figure <h1 style="margin: 0;">1a</h1>
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# 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: Miller Grove Middle Facility (#0597) 2215 Miller Road Decatur, GA 30035	
PROJECT #:	1561-1601-0597	DATE:	January 3, 2018
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# TABLE

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

**Miller Grove Middle School**

2215 Miller Road, Decatur, GA 30035



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0597-121516-DF-001-A	Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain in hallway across from Rm 302	12/15/16 5:44 AM	13.0
0597-121516-DF-001-B	Flush sample; Lower Right wall mounted Elkay Drinking Fountain in hallway across from Rm 302	12/15/16 5:45 AM	9.34
0597-121516-DF-001-C	Flush Duplicate sample; Lower Right wall mounted Elkay Drinking Fountain in hallway across from Rm 302	12/15/16 5:46 AM	9.04
0597-121516-DF-002-A	Initial Draw sample; Upper Left wall mounted Elkay Drinking Fountain in hallway across from Rm 302	12/15/16 5:40 AM	13.9
0597-121516-DF-002-B	Flush sample; Upper Left wall mounted Elkay Drinking Fountain in hallway across from Rm 302	12/15/16 5:41 AM	12.6
0597-121516-DF-003-A	Initial Draw sample; Right wall mounted Elkay Drinking Fountain in hallway across from Rm 514	12/15/16 5:36 AM	None Detected
0597-121516-DF-003-B	Flush sample; Right wall mounted Elkay Drinking Fountain in hallway across from Rm 514	12/15/16 5:37 AM	1.11
0597-121516-DF-004-A	Initial Draw sample; Upper Left wall mounted Elkay Drinking Fountain in Cafeteria	12/15/16 5:12 AM	1.30
0597-121516-DF-004-B	Flush sample; Upper Left wall mounted Elkay Drinking Fountain in Cafeteria	12/15/16 5:13 AM	1.45
0597-121516-DF-005-A	Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain in Cafeteria	12/15/16 5:14 AM	None Detected
0597-121516-DF-005-B	Flush sample; Lower Right wall mounted Elkay Drinking Fountain in Cafeteria	12/15/16 5:15 AM	1.19
0597-121516-DF-006-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway to left of Concession Rm	12/15/16 5:21 AM	11.6
0597-121516-DF-006-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway to left of Concession Rm	12/15/16 5:22 AM	8.78
0597-121516-DF-007-A	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway to left of Concession Rm	12/15/16 5:23 AM	None Detected
0597-121516-DF-007-B	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway to left of Concession Rm	12/15/16 5:24 AM	None Detected
0597-121516-DF-008-A	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in Gym to left immediately inside the door	12/15/16 5:00 AM	None Detected

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

**Miller Grove Middle School**

2215 Miller Road, Decatur, GA 30035



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0597-121516-DF-008-B	Flush sample; Single wall mounted Elkay Drinking Fountain in Gym to left immediately inside the door	12/15/16 5:01 AM	None Detected
0597-121516-DF-009-A	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in Boys Locker Room	12/15/16 5:08 AM	5.36
0597-121516-DF-009-B	Flush sample; Single wall mounted Elkay Drinking Fountain in Boys Locker Room	12/15/16 5:09 AM	5.31
0597-121516-DF-010-A	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in Gym on the opposite side from Gym entrance	12/15/16 5:02 AM	1.38
0597-121516-DF-010-B	Flush sample; Single wall mounted Elkay Drinking Fountain in Gym on the opposite side from Gym entrance	12/15/16 5:03 AM	1.61
0597-121516-DF-011-A	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in Girls Locker Room	12/15/16 5:13 AM	2.72
0597-121516-DF-011-B	Flush sample; Single wall mounted Elkay Drinking Fountain in Girls Locker Room	12/15/16 5:14 AM	2.76
0597-121516-DF-012-A	Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain in hallway across from Rm 410	12/15/16 5:28 AM	None Detected
0597-121516-DF-012-B	Flush sample; Lower Right wall mounted Elkay Drinking Fountain in hallway across from Rm 410	12/15/16 5:29 AM	None Detected
0597-121516-DF-013-A	Initial Draw sample; Upper Left wall mounted Elkay Drinking Fountain in hallway across from Rm 410	12/15/16 5:30 AM	1.05
0597-121516-DF-013-B	Flush sample; Upper Left wall mounted Elkay Drinking Fountain in hallway across from Rm 410	12/15/16 5:31 AM	1.31
0597-121516-DF-014-A	Not Sampled; Inoperable. Drinking Fountain located to the right of Rm 107	NS	NS
0597-121516-DF-014-B	Not Sampled; Inoperable. Drinking Fountain located to the right of Rm 107	NS	NS
0597-092917-DF-014-A	Initial Draw Sample; Elkay Drinking Fountain to the right of Rm 107	9/29/17 5:18 AM	None Detected
0597-092917-DF-014-B	Flush Sample; Elkay Drinking Fountain to the right of Rm 107	9/29/17 5:19 AM	None Detected
0597-121516-DF-015-A	Not Sampled; Inoperable. Drinking Fountain located to the left of Rm 109	NS	NS
0597-121516-DF-015-B	Not Sampled; Inoperable. Drinking Fountain located to the left of Rm 109	NS	NS
0597-092917-DF-015-A	Initial Draw Sample; Elkay Drinking Fountain across from Rm 106	9/29/17 5:23 AM	None Detected
0597-092917-DF-015-B	FlushSample; Elkay Drinking Fountain across from Rm 106	9/29/17 5:24 AM	None Detected



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

**Miller Grove Middle School**

2215 Miller Road, Decatur, GA 30035



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0597-121516-DF-016-A	Not Sampled; Inoperable. Left wall mounted Elkay Drinking Fountain in hallway across from Rm 514	NS	NS
0597-121516-DF-016-B	Not Sampled; Inoperable. Left wall mounted Elkay Drinking Fountain in hallway across from Rm 514	NS	NS
0597-092917-DF-016-A	Initial Draw Sample; Elkay Drinking Fountain to the left of RRs and across from Rm 514	9/29/17 5:29 AM	None Detected
0597-092917-DF-016-B	Flush Sample; Elkay Drinking Fountain to the left of RRs and across from Rm 514	9/29/17 5:30 AM	None Detected
0597-121516-TL-001-A	Initial Draw sample; Sampled only sink in Teachers Lounge Rm 401.3	12/15/16 5:20 AM	7.46
0597-121516-TL-001-B	Flush sample; Sampled only sink in Teachers Lounge Rm 401.3	12/15/16 5:21 AM	None Detected
0597-121516-RS-001-A	Initial Draw sample; Boys RR on 300 hall; Sampled left sink	12/15/16 5:48 AM	7.82
0597-121516-RS-001-B	Flush sample; Boys RR on 300 hall; Sampled left sink	12/15/16 5:49 AM	1.57
0597-121516-RS-002-A	Initial Draw sample; Girls RR Rm 201.2; Sampled only sink in RR; Dripping on arrival	12/15/16 5:02 AM	<b>20.9</b>
0597-121516-RS-002-B	Flush sample; Girls RR Rm 201.2; Sampled only sink in RR; Dripping on arrival	12/15/16 5:03 AM	<b>19.4</b>
0597-092917-RS-002-A	Initial Draw sample; Girls RR Rm 201.2 near Concession Stand; Left sink	9/29/17 5:09 AM	4.98
0597-092917-RS-002-B	Flush sample; Girls RR Rm 201.2 near Concession Stand; Left sink	9/29/17 5:10 AM	2.84
0597-092917-RS-002-A2	Initial Draw sample; Girls RR Rm 201.2 near Concession Stand; Right sink	9/29/17 5:12 AM	5.58
0597-092917-RS-002-B2	Flush sample; Girls RR Rm 201.2 near Concession Stand; Right sink	9/29/17 5:13 AM	2.52
0597-121516-RS-003-A	Initial Draw sample; Sampled left sink in Girls Locker Room RR	12/15/16 5:16 AM	11.1
0597-121516-RS-003-B	Flush sample; Sampled left sink in Girls Locker Room RR	12/15/16 5:17 AM	None Detected
0597-121516-RS-004-A	Initial Draw sample; Boys RR across from Rm 514; Sampled sink on left	12/15/16 5:41 AM	None Detected
0597-121516-RS-004-B	Flush sample; Boys RR across from Rm 514; Sampled sink on left	12/15/16 5:42 AM	None Detected
0597-121516-RS-005-A	Initial Draw sample; Girls RR across from Rm 104; Sampled right sink	12/15/16 5:52 AM	9.38
0597-121516-RS-005-B	Flush sample; Girls RR across from Rm 104; Sampled right sink	12/15/16 5:53 AM	None Detected
0597-121516-CS-001-A	Initial Draw sample; Far right sink in back of Kitchen	12/15/16 5:27 AM	1.11
0597-121516-CS-001-B	Flush sample; Far right sink in back of Kitchen	12/15/16 5:30 AM	None Detected
0597-121516-CS-001-C	Initial Draw Duplicate sample; Far right sink in back of Kitchen	12/15/16 5:32 AM	1.18
0597-110117-CS-002-A	Initial Draw sample; Sink nearest to the Entrance; Kitchen 6; Rm 309	11/1/17 5:30 AM	<b>18.9</b>
0597-110117-CS-002-B	Flush sample; Sink nearest to the Entrance; Kitchen 6; Rm 309	11/1/17 5:31 AM	1.01
0597-112117-CS-002-A	Initial Draw sample; Sink nearest to the Entrance; Kitchen 6; Rm 309	11/21/17 5:07 AM	4.73

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

**Miller Grove Middle School**

2215 Miller Road, Decatur, GA 30035



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0597-112117-CS-002-B	Flush sample; Sink nearest to the Entrance; Kitchen 6; Rm 309	11/21/17 5:08 AM	None Detected
0597-110117-CS-003-A	Initial Draw sample; Sink opposite the counter top from CS-002; Kitchen 5; Rm 309	11/1/17 5:32 AM	10.0
0597-110117-CS-003-B	Flush sample; Sink opposite the counter top from CS-002; Kitchen 5; Rm 309	11/1/17 5:33 AM	None Detected
0597-110117-CS-004-A	Initial Draw sample; Sink in front right corner of the room; Kitchen 4; Rm 309	11/1/17 5:34 AM	6.47
0597-110117-CS-004-B	Flush sample; Sink in front right corner of the room; Kitchen 4; Rm 309	11/1/17 5:35 AM	None Detected
0597-110117-CS-005-A	Initial Draw sample; Sink in the back right corner; Kitchen 3; Rm 309	11/1/17 5:36 AM	4.30
0597-110117-CS-005-B	Flush sample; Sink in the back right corner; Kitchen 3; Rm 309	11/1/17 5:37 AM	None Detected
0597-110117-CS-006-A	Initial Draw sample; Sink in Kitchen 2; Rm 309	11/1/17 5:38 AM	5.72
0597-110117-CS-006-B	Flush sample; Sink in Kitchen 2; Rm 309	11/1/17 5:39 AM	None Detected
0597-110117-CS-007-A	Initial Draw sample; Sink in Kitchen 1; Rm 309	11/1/17 5:40 AM	9.96
0597-110117-CS-007-B	Flush sample; Sink in Kitchen 1; Rm 309	11/1/17 5:41 AM	1.35
0597-121516-IM-001-A	Scotsman Ice Machine in Kitchen	12/15/16 5:31 AM	1.83
0597-121516-IM-002-A	Ice-O-Matic Ice Machine in Concessions Rm 202.3	12/15/16 5:06 AM	None Detected
0597-121516-SC-001-A	Service Connection Entry into Building	12/15/16 4:57 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

NS-Not Sampled; source unit was inoperable during initial testing on 12/15/16

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

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

FACILITY NAME: Miller Grove Middle School  
ADDRESS: 2215 Miller Road, Decatur, GA 30035

FACILITY ID: 0597

DATE	TIME	SAMPLE ID (Facility ID-Date-Location-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
12/15/16	0457	0597 - 121516 - SC-001-A	Boiler room	In room Hallway	vertical pipe in back corner	AA
12/15/16	0502	0597 - 121516 - RS-002-A	Girls RR 201.2	In room Hallway	only sink in girls RR dripping on gravel	AA
12/15/16	0503	0597 - 121516 - RS-002-B	"	In room Hallway	"	AA
12/15/16	0506	0597 - 121516 - IM-002-A	Concessions 202.3	In room Hallway	Iceomatic Im	AA
12/15/16	0512	0597 - 121516 - DF-004-A	Cafeteria	In room Hallway	Upper Left WM ETKAY	AA
12/15/16	0513	0597 - 121516 - DF-004-B	"	In room Hallway	"	AA
12/15/16	0514	0597 - 121516 - DF-005-A	"	In room Hallway	Lower right ETKAY WM	AA
12/15/16	0515	0597 - 121516 - DF-005-B	"	In room Hallway	"	AA
12/15/16	0520	0597 - 121516 - TL-001-A	Teachers lounge 401.3	In room Hallway	Sampled only sink in	AA
12/15/16	0521	0597 - 121516 - TL-001-B	"	In room Hallway	Room 1,	AA

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

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

FACILITY NAME: Miller Grove Middle School  
ADDRESS: 2215 Miller Road, Decatur, GA 30035

FACILITY ID: 0597

DATE	TIME	SAMPLE ID (Facility ID-Date-Location-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
12/15/16	0528	0597 - 121516 - DF-012-A	across from 410	In room Hallway	Lower right w/m Elkay	AA
12/15/16	0529	0597 - 121516 - DF-012-B	"	In room Hallway	"	AA
12/15/16	0530	0597 - 121516 - DF-013-A	"	In room Hallway	upper left w/m Elkay	AA
12/15/16	0531	0597 - 121516 - DF-013-B	"	In room Hallway	"	AA
12/15/16	0536	0597 - 121516 - DF-003-A	across from 514	In room Hallway	right Elkay w/m DF	AA
12/15/16	0537	0597 - 121516 - DF-003-B	"	In room Hallway	"	AA
12/15/16	0541	0597 - 121516 - RS-004-A	BOYS RR across from 514	In room Hallway	sampled sink on <del>right</del> left	AA
12/15/16	0542	0597 - 121516 - RS-004-B	"	In room Hallway	"	AA
12/15/16	0552	0597 - 121516 - RS-005-A	girls RR across from 104	In room Hallway	sampled sink on right	AA
12/15/16	0553	0597 - 121516 - RS-005-B	"	In room Hallway	"	AA

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

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

FACILITY NAME: Miller Grove Middle School  
 ADDRESS: 2215 Miller Road, Decatur, GA 30035

FACILITY ID: 0597

DATE	TIME	SAMPLE ID (Facility ID-Date-Location-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
12/15/16	—	0597 - 121516 - DF-014-A	Across from 104	In room Hallway	Not sampled inoperable	AM
12/15/16	—	0597 - 121516 - DF-014-B	"	In room Hallway	"	AM
12/15/16	—	0597 - 121516 - DF-015-A	"	In room Hallway	"	AM
12/15/16	—	0597 - 121516 - DF-015-B	"	In room Hallway	"	AM
12/15/16	—	0597 - 121516 - DF-016-A+B	across from 514	In room Hallway	Not sampled inoperable	AM
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		

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

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

FACILITY NAME: Miller Grove Middle School  
 ADDRESS: 2215 Miller Road, Decatur, GA 30035

FACILITY ID: 0597

DATE	TIME	SAMPLE ID (Facility ID-Date-Location-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
12/15/16	0544	0597 - 121516 - DF-001-A	across from Rm. 302	In room <u>Hallway</u>	lower R Eikay DF - nm	KTW
12/15/16	0545	0597 - 121516 - DF-001-B	↓	In room <u>Hallway</u>	SAA	KTW
12/15/16	0546	0597 - 121516 - DF-001-C		In room <u>Hallway</u>	SAA Flush dup.	KTW
12/15/16	0548	0597 - 121516 - RS-001-A		boys RR on 300	<u>In room</u> Hallway	left sink
12/15/16	0549	0597 - 121516 - RS-001-B	hall	<u>In room</u> Hallway	SAA	KTW
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		

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

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

FACILITY NAME: Miller Grove Middle School  
ADDRESS: 2215 Miller Road, Decatur, GA 30035

FACILITY ID: 0597

DATE	TIME	SAMPLE ID (Facility ID-Date-Location-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
12/15/16	0521	0597 - 121516 - DF-006-A	to left of concession/ no Rm #	In room <u>Hallway</u>	lower L Elkay DF - w/m	KTW
12/15/16	0522	0597 - 121516 - DF-006-B	" "	In room <u>Hallway</u>	SAA	KTW
12/15/16	0523	0597 - 121516 - DF-007-A	" "	In room <u>Hallway</u>	Upper R Elkay DF - w/m	KTW
12/15/16	0524	0597 - 121516 - DF-007-B	" "	In room <u>Hallway</u>	SAA	KTW
12/15/16	0530	0597 - 121516 - CS-001-A	In Cafe. Kitchen	<u>In room</u> Hallway	Far right sink in back of kitchen	KTW
12/15/16	0532	0597 - 121516 - CS-001-B	↓	<u>In room</u> Hallway	SAA	KTW
12/15/16	0531	0597 - 121516 - CS-001-C	↓	<u>In room</u> Hallway	SAA initial dep	KTW
12/15/16	0534	0597 - 121516 - IM-001-A	↓	<u>In room</u> Hallway		KTW
12/15/16	0540	0597 - 121516 - DF-002-A	across from Rm 302	In room <u>Hallway</u>	Upper L Elkay DF - w/m	KTW
12/15/16	0541	0597 - 121516 - DF-002-B	" "	In room <u>Hallway</u>	SAA	KTW

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



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

FACILITY NAME: Miller Grove Middle School  
ADDRESS: 2215 Miller Road, Decatur, GA 30035

FACILITY ID: 0597

DATE	TIME	SAMPLE ID (Facility ID-Date-Location-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
12/15/16	0500	0597 - 121516 - DF-008 - A	Gym	In room Hallway	Single Elkay DF - WM to left right inside door	KTW
12/15/16	0501	0597 - 121516 - DF-008 - B	↓	In room Hallway	SAA	KTW
12/15/16	0502	0597 - 121516 - DF-010 - A		In room Hallway	Single Elkay DF - WM on opposite side of gym from entrance	KTW
12/15/16	0503	0597 - 121516 - DF-010 - B		In room Hallway	SAA	KTW
12/15/16	0508	0597 - 121516 - DF-009 - A	boys locker Rm	In room Hallway	Single Elkay DF - WM	KTW
12/15/16	0509	0597 - 121516 - DF-009 - B	SAA	In room Hallway	SAA	KTW
12/15/16	0513	0597 - 121516 - DF-011 - A	girls locker Rm	In room Hallway	Single Elkay DF - WM	KTW
12/15/16	0514	0597 - 121516 - DF-011 - B	" "	In room Hallway	SAA	KTW
12/15/16	0516	0597 - 121516 - RS-003 - A	" "	In room Hallway	left sink in girls RE	KTW
12/15/16	0517	0597 - 121516 - RS-003 - B	" "	In room Hallway	SAA	KTW

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

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

FACILITY NAME: MILLER GROVE MIDDLE FACILITY  
 ADDRESS: 2215 Miller Road Decatur, GA, 30035

FACILITY ID: 0597

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
9/29/17	0509	0597 - 092917 - RS-002-A	Girls RR 201.2	In room Hallway	Girls RR near concession left sink	Law
9/29/17	0510	0597 - 092917 - RS-002-B	↓	In room Hallway	" " Flush	Law
9/29/17	0512	0597 - 092917 - RS-002-A2		In room Hallway	Girls RR near concession right sink	Law
9/29/17	0513	0597 - 092917 - RS-002-B2		In room Hallway	" "	Law
9/29/17	0518	0597 - 092917 - DF-014-A		107	In room Hallway	Elkay DF to R of Rm 107
9/29/17	0519	0597 - 092917 - DF-014-B	107	In room Hallway	" " Flush	Law
9/29/17	0523	0597 - 092917 - DF-015-A	106	In room Hallway	Elkay DF across from Rm 106	Law
9/29/17	0524	0597 - 092917 - DF-015-B	106	In room Hallway	" " Flush	Law
9/29/17	0529	0597 - 092917 - DF-016-A	514	In room Hallway	Elkay DF to left of RRS + across from 514	Law
9/29/17	0530	0597 - 092917 - DF-016-B	514	In room Hallway	" " Flush	Law

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: MILLER GROVE MIDDLE FACILITY  
 ADDRESS: 2215 Miller Road Decatur, GA, 30035

FACILITY ID: 0597

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/1/17	0530	0597 - 110117 - CS-002-A	309	In room Hallway	Sink closest to Entrance, Kitchen 6	A
11/1/17	0531	0597 - 110117 - CS-002-B	"	In room Hallway	"	A
11/1/17	0532	0597 - 110117 - CS-003-A	"	In room Hallway	Sink on opposite counter top from CS-002, Kitchen 5	A
11/1/17	0533	0597 - 110117 - CS-003-B	"	In room Hallway	"	A
11/1/17	0534	0597 - 110117 - CS-004-A	"	In room Hallway	Sink in front right corner, Kitchen 4	A
11/1/17	0535	0597 - 110117 - CS-004-B	"	In room Hallway	"	A
11/1/17	0536	0597 - 110117 - CS-005-A	"	In room Hallway	Sink in back right corner, Kitchen 3	A
11/1/17	0537	0597 - 110117 - CS-005-B	"	In room Hallway	"	A
11/1/17	0538	0597 - 110117 - CS-006-A	"	In room Hallway	Sink in "Kitchen 2"	A
11/1/17	0539	0597 - 110117 - CS-006-B	"	In room Hallway	"	A

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: MILLER GROVE MIDDLE FACILITY  
 ADDRESS: 2215 Miller Road Decatur, GA, 30035

FACILITY ID: 0597

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/1/17	0540	0597 - 110117 - CS-007-A	309	In room Hallway	Sink in "Kitchen 1"	A
11/1/17	0541	0597 - 110117 - CS-007-B	309	In room Hallway	"	A
11/1/17		0597 - 110117 -		In room Hallway		
11/1/17		0597 - 110117 -		In room Hallway		
11/1/17		0597 - 110117 -		In room Hallway		
11/1/17		0597 - 110117 -		In room Hallway		
11/1/17		0597 - 110117 -		In room Hallway		
11/1/17		0597 - 110117 -		In room Hallway		
11/1/17		0597 - 110117 -		In room Hallway		
11/1/17		0597 - 110117 -		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: MILLER GROVE MIDDLE FACILITY  
 ADDRESS: 2215 Miller Road Decatur, GA, 30035

FACILITY ID: 0597

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/21/17	0507	0597 - 112117 - CS-002-A	309	In room Hallway	Sink closest to door. Filter added	SS
11/21/17	0508	0597 - 112117 - CS-002-B	309	In room Hallway	↓	SS
11/21/17		0597 - 112117 -		In room Hallway		
11/21/17		0597 - 112117 -		In room Hallway		
11/21/17		0597 - 112117 -		In room Hallway		
11/21/17		0597 - 112117 -		In room Hallway		
11/21/17		0597 - 112117 -		In room Hallway		
11/21/17		0597 - 112117 -		In room Hallway		
11/21/17		0597 - 112117 -		In room Hallway		
11/21/17		0597 - 112117 -		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, January 5, 2017 5:11 PM  
**To:** leona-miles@aem-net.com; tim-royer@aem-net.com  
**Subject:** DCSD - 0597  
**Attachments:** 1612E82\_REPORT.pdf; 1612E82Invoice.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



January 05, 2017

Leona Miles  
Atlanta Environmental Mgmt  
2580 NE Expressway  
Atlanta GA 30345

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

RE: DCSD - 0597

Dear Leona Miles:

Order No: 1612E82

Analytical Environmental Services, Inc. received 45 samples on 12/15/2016 7:55:00 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: 161882

Date: 12/15/16 Page 1 of 4

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>Andy Jensen</i>		SIGNATURE: <i>A Jensen</i>												
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)					REMARKS		
		DATE	TIME				I							
1	0597-121516-DF-001-A	12/15/2016	0544	X		DW	X							
2	0597-121516-DF-001-B	12/15/2016	0545	X		DW	X							
3	0597-121516-DF-001-C	12/15/2016	0546	X		DW	X							
4	0597-121516-DF-002-A	12/15/2016	0540	X		DW	X							
5	0597-121516-DF-002-B	12/15/2016	0541	X		DW	X							
6	0597-121516-DF-003-A	12/15/2016	0536	X		DW	X							
7	0597-121516-DF-003-B	12/15/2016	0537	X		DW	X							
8	0597-121516-DF-004-A	12/15/2016	0512	X		DW	X							
9	0597-121516-DF-004-B	12/15/2016	0513	X		DW	X							
10	0597-121516-DF-005-A	12/15/2016	0514	X		DW	X							
11	0597-121516-DF-005-B	12/15/2016	0515	X		DW	X							
12	0597-121516-DF-006-A	12/15/2016	0521	X		DW	X							
13	0597-121516-DF-006-B	12/15/2016	0522	X		DW	X							
14	0597-121516-DF-007-A	12/15/2016	0523	X		DW	X							
15	0597-121516-DF-007-B	12/15/2016	0524	X		DW	X							
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION					RECEIPT	
1: <i>A Jensen</i>		12/15/16 0755		1: <i>M... ..</i>		12/15/16 7:55 AM		PROJECT NAME: <b>DCSD</b>					Total # of Containers	
2:				2:				PROJECT #: <b>1561-1601</b>					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>597</b>						
								SEND REPORT TO: <b>Leona Miles and Tim Royer</b>						
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD						INVOICE TO:					STATE PROGRAM (if any):	
Preserve at the Lab per protocol		OUT / / VIA:		IN / / VIA:		OUT / / VIA:		(IF DIFFERENT FROM ABOVE)					E-mail? Y/N; Fax? Y/N	
		CLIENT FedEx UPS MAIL COURIER		GREYHOUND OTHER		leona-miles@aem-net.com; tim-royer@aem-net.com		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.

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water DW = Drinking Water W = Water (BlndF) 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: 161882

Date: 12/15/16 Page 2 of 4

COMPANY: <b>Atlanta Environmental Management, Inc</b>		ADDRESS: <b>2580 Northeast Expressway, NE Atlanta, GA 30345</b>					ANALYSIS REQUESTED										<b>Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.</b>		No # of Containers		
PHONE: <b>(404) 329-9006</b>		FAX: <b>(404) 329-2057</b>					<b>Total Pb Method 200.8</b>	PRESERVATION (See codes)												REMARKS	
SAMPLED BY: <b>Andy Jensen</b>		SIGNATURE: <i>Andy Jensen</i>						I													
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)															
		DATE	TIME																		
1	0597-121516-DF-008-A	12/15/2016	0500	X		DW	X														
2	0597-121516-DF-008-B	12/15/2016	0501	X		DW	X														
3	0597-121516-DF-009-A	12/15/2016	0508	X		DW	X														
4	0597-121516-DF-009-B	12/15/2016	0509	X		DW	X														
5	0597-121516-DF-010-A	12/15/2016	0502	X		DW	X														
6	0597-121516-DF-010-B	12/15/2016	0503	X		DW	X														
7	0597-121516-DF-011-A	12/15/2016	0513	X		DW	X														
8	0597-121516-DF-011-B	12/15/2016	0514	X		DW	X														
9	0597-121516-DF-012-A	12/15/2016	0528	X		DW	X														
10	0597-121516-DF-012-B	12/15/2016	0529	X		DW	X														
11	0597-121516-DF-013-A	12/15/2016	0530	X		DW	X														
12	0597-121516-DF-013-B	12/15/2016	0531	X		DW	X														
13	<del>0597-121516-DF-014-A</del>	12/15/2016		X		<del>DW</del>											Not Sampled				
14	<del>0597-121516-DF-014-B</del>	12/15/2016		X		<del>DW</del>											Not Sampled				
15	<del>0597-121516-DF-015-A</del>	12/15/2016		X		<del>DW</del>											Not Sampled				
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION										RECEIPT			
1: <i>Andy Jensen</i>		12/15/16 0755		1: <i>M... P... 12/15/16 4:55AM</i>				PROJECT NAME: <b>DCSD</b>										Total # of Containers			
2:				2:				PROJECT #: <b>1561-1601</b>										Turnaround Time Request			
3:				3:				SITE ADDRESS: <b>597</b>										<input type="radio"/> Standard 5 Business Days			
SPECIAL INSTRUCTIONS/COMMENTS:		Preserve at the Lab per protocol		SHIPMENT METHOD		OUT / / VIA:		SEND REPORT TO: <b>Leona Miles and Tim Royer</b>										<input type="radio"/> 2 Business Day Rush			
				IN / / VIA:		<input checked="" type="radio"/> CLIENT FedEx UPS MAIL COURIER		INVOICE TO: (IF DIFFERENT FROM ABOVE) leona-miles@aem-net.com; tim-royer@aem-net.com										<input type="radio"/> Next Business Day Rush			
				GREYHOUND OTHER				QUOTE #: _____ PO#: _____										<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			

SAMPLER 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.

SAMPLER 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 (Blanford) 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: 102882

Date: 12/15/16 Page 3 of 4

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" style="width:100%; height: 100%; border-collapse: collapse;"> <tr> <td style="writing-mode: vertical-rl; text-orientation: mixed;">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></td><td colspan="18">PRESERVATION (See codes)</td><td></td> </tr> <tr> <td></td><td colspan="18">REMARKS</td><td></td> </tr> </table>											Total Pb Method 200.8																						PRESERVATION (See codes)																				REMARKS															
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	PRESERVATION (See codes)																																																																								
	REMARKS																																																																								
SAMPLED BY: <i>Andy Jensen</i>		SIGNATURE: <i>[Signature]</i>			DATE		TIME		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)								REMARKS																																																					
#	SAMPLE ID	I																																																																							
1	<del>0597-121516-DF-015-B</del>	12/15/2016		X						DW										NOT SAMPLED																																																					
2	0597-121516-TL-001-A	12/15/2016	0520	X						DW	X																																																														
3	0597-121516-TL-001-B	12/15/2016	0521	X						DW	X																																																														
4	0597-121516-RS-001-A	12/15/2016	0548	X						DW	X																																																														
5	0597-121516-RS-001-B	12/15/2016	0549	X						DW	X																																																														
6	0597-121516-RS-002-A	12/15/2016	0502	X						DW	X																																																														
7	0597-121516-RS-002-B	12/15/2016	0503	X						DW	X																																																														
8	0597-121516-RS-003-A	12/15/2016	0516	X						DW	X																																																														
9	0597-121516-RS-003-B	12/15/2016	0517	X						DW	X																																																														
10	0597-121516-RS-004-A	12/15/2016	0541	X						DW	X																																																														
11	0597-121516-RS-004-B	12/15/2016	0542	X						DW	X																																																														
12	0597-121516-RS-005-A	12/15/2016	0552	X						DW	X																																																														
13	0597-121516-RS-005-B	12/15/2016	0553	X						DW	X																																																														
14	0597-121516-CS-001-A	12/15/2016	0530	X						DW	X																																																														
15	0597-121516-CS-001-B	12/15/2016	0532	X						DW	X																																																														
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION								RECEIPT																																																									
1: <i>[Signature]</i>		12/15/16 0755		1: <i>[Signature]</i>		12/15/16 7:55 AM		PROJECT NAME: <b>DCSD</b>								Total # of Containers																																																									
2:				2:				PROJECT #: <b>1561-1601</b>								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>597</b>																																																																	
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD				SEND REPORT TO: <b>Leona Miles and Tim Royer</b>								STATE PROGRAM (if any): _____																																																									
Preserve at the Lab per protocol				OUT / / VIA:				INVOICE TO:								E-mail? Y/N; Fax? Y/N																																																									
				IN / / VIA:				(IF DIFFERENT FROM ABOVE)								DATA PACKAGE: I II III IV																																																									
				CLIENT FedEx UPS MAIL COURIER				leona-miles@aem-net.com; tim-royer@aem-net.com																																																																	
				GREYHOUND OTHER				QUOTE #: _____ PO#: _____																																																																	

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  
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**CHAIN OF CUSTODY**

Work Order: 1418EBJ

Date: 12/15/16 Page 4 of 4

<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			<table border="1" style="width:100%; height: 100%; border-collapse: collapse;"> <tr> <td colspan="8">Total Pb Method 200.8</td> <td colspan="8">PRESERVATION (See codes)</td> </tr> <tr> <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															
Total Pb Method 200.8															PRESERVATION (See codes)																															
I																																														
<b>SAMPLED BY:</b> <u>Andy Jensen</u>		<b>SIGNATURE:</b> <u>[Signature]</u>																																												
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)								REMARKS																															
		DATE	TIME				I																																							
1	0597-121516-CS-001-C	12/15/2016	0531	X		DW	X																																							
2	0597-121516-IM-001-A	12/15/2016	0534	X		DW	X																																							
3	0597-121516-IM-002-A	12/15/2016	0506	X		DW	X																																							
4	0597-121516-SC-001-A	12/15/2016	0457	X		DW	X																																							
5																																														
6																																														
7																																														
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15																																														
<b>RELINQUISHED BY</b> 1: <u>A Jensen</u> 12/15/16 0755		<b>DATE/TIME</b>		<b>RECEIVED BY</b> 1: <u>Murphy</u> 12/15/16 7:55 AM		<b>DATE/TIME</b>		<b>PROJECT INFORMATION</b>								<b>RECEIPT</b>																														
2:				2:				PROJECT NAME: <b>DCSD</b>								Total # of Containers																														
3:				3:				PROJECT #: <b>1561-1601</b>								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																														
								SITE ADDRESS: <b>597</b>																																						
								SEND REPORT TO: <b>Leona Miles and Tim Royer</b>								STATE PROGRAM (if any):																														
								INVOICE TO: (IF DIFFERENT FROM ABOVE) leona-miles@aem-net.com; tim-royer@aem-net.com								E-mail? Y/N; Fax? Y/N																														
								QUOTE #: _____ PO#: _____								DATA PACKAGE: I II III IV																														
<b>SPECIAL INSTRUCTIONS/COMMENTS:</b> Preserve at the Lab per protocol				<b>SHIPMENT METHOD</b> OUT / / VIA: IN <u>CLIENT</u> FedEx UPS MAIL COURIER GREYHOUND OTHER _____																																										

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**Analytical Environmental Services, Inc**

**Date:** 5-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-001-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:44:00 AM
<b>Lab ID:</b> 1612E82-001	<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	13.0	1.00		ug/L	235867	1	01/04/2017 16:58	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-001-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:45:00 AM
<b>Lab ID:</b> 1612E82-002	<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	9.34	1.00		ug/L	235867	1	01/04/2017 17:15	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-001-C
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:46:00 AM
<b>Lab ID:</b> 1612E82-003	<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	9.04	1.00		ug/L	235867	1	01/04/2017 17:19	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-002-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:40:00 AM
<b>Lab ID:</b> 1612E82-004	<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	13.9	1.00		ug/L	235867	1	01/04/2017 17:29	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:** 5-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-002-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:41:00 AM
<b>Lab ID:</b> 1612E82-005	<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	12.6	1.00		ug/L	235867	1	01/04/2017 17:33	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:** 5-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-003-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:36:00 AM
<b>Lab ID:</b> 1612E82-006	<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	235867	1	01/04/2017 17:40	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

**Analytical Environmental Services, Inc**

**Date:** 5-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-003-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:37:00 AM
<b>Lab ID:</b> 1612E82-007	<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	1.11	1.00		ug/L	235867	1	01/04/2017 17:43	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-004-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:12:00 AM
<b>Lab ID:</b> 1612E82-008	<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	1.30	1.00		ug/L	235867	1	01/04/2017 17:47	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-004-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:13:00 AM
<b>Lab ID:</b> 1612E82-009	<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	1.45	1.00		ug/L	235867	1	01/04/2017 17:51	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-005-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:14:00 AM
<b>Lab ID:</b> 1612E82-010	<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	235867	1	01/04/2017 17:54	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-005-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:15:00 AM
<b>Lab ID:</b> 1612E82-011	<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	1.19	1.00		ug/L	235867	1	01/04/2017 17:08	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-006-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:21:00 AM
<b>Lab ID:</b> 1612E82-012	<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	11.6	1.00		ug/L	235867	1	01/04/2017 17:58	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-006-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:22:00 AM
<b>Lab ID:</b> 1612E82-013	<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	8.78	1.00		ug/L	235867	1	01/04/2017 18:01	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-007-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:23:00 AM
<b>Lab ID:</b> 1612E82-014	<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	235867	1	01/04/2017 18:12	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-007-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:24:00 AM
<b>Lab ID:</b> 1612E82-015	<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	BRL	1.00		ug/L	235867	1	01/04/2017 18:15	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-008-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:00:00 AM
<b>Lab ID:</b> 1612E82-016	<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	BRL	1.00		ug/L	235867	1	01/04/2017 18:19	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-008-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:01:00 AM
<b>Lab ID:</b> 1612E82-017	<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	BRL	1.00		ug/L	235867	1	01/04/2017 18:22	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-009-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:08:00 AM
<b>Lab ID:</b> 1612E82-018	<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	5.36	1.00		ug/L	235867	1	01/04/2017 18:26	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-009-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:09:00 AM
<b>Lab ID:</b> 1612E82-019	<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	5.31	1.00		ug/L	235867	1	01/04/2017 18:29	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:** 5-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-010-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:02:00 AM
<b>Lab ID:</b> 1612E82-020	<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	1.38	1.00		ug/L	235867	1	01/04/2017 18:33	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:** 5-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-010-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:03:00 AM
<b>Lab ID:</b> 1612E82-021	<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	1.61	1.00		ug/L	235868	1	01/04/2017 18:43	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-011-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:13:00 AM
<b>Lab ID:</b> 1612E82-022	<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	2.72	1.00		ug/L	235868	1	01/04/2017 19:07	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-011-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:14:00 AM
<b>Lab ID:</b> 1612E82-023	<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	2.76	1.00		ug/L	235868	1	01/04/2017 19:11	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-012-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:28:00 AM
<b>Lab ID:</b> 1612E82-024	<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	BRL	1.00		ug/L	235868	1	01/04/2017 19:15	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-012-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:29:00 AM
<b>Lab ID:</b> 1612E82-025	<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	235868	1	01/04/2017 19:18	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-013-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:30:00 AM
<b>Lab ID:</b> 1612E82-026	<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	1.05	1.00		ug/L	235868	1	01/04/2017 19:22	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-DF-013-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:31:00 AM
<b>Lab ID:</b> 1612E82-027	<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	1.31	1.00		ug/L	235868	1	01/04/2017 19:25	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-TL-001-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:20:00 AM
<b>Lab ID:</b> 1612E82-028	<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	7.46	1.00		ug/L	235868	1	01/04/2017 19:36	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:** 5-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-TL-001-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:21:00 AM
<b>Lab ID:</b> 1612E82-029	<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	235868	1	01/04/2017 19:39	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-RS-001-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:48:00 AM
<b>Lab ID:</b> 1612E82-030	<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	7.82	1.00		ug/L	235868	1	01/04/2017 19:43	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-RS-001-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:49:00 AM
<b>Lab ID:</b> 1612E82-031	<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	1.57	1.00		ug/L	235868	1	01/04/2017 19:01	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-RS-002-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:02:00 AM
<b>Lab ID:</b> 1612E82-032	<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	20.9	1.00		ug/L	235868	1	01/04/2017 19:46	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-RS-002-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:03:00 AM
<b>Lab ID:</b> 1612E82-033	<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	19.4	1.00		ug/L	235868	1	01/04/2017 19:50	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-RS-003-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:16:00 AM
<b>Lab ID:</b> 1612E82-034	<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	11.1	1.00		ug/L	235868	1	01/04/2017 19:53	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-RS-003-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:17:00 AM
<b>Lab ID:</b> 1612E82-035	<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	235868	1	01/04/2017 19:57	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-RS-004-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:41:00 AM
<b>Lab ID:</b> 1612E82-036	<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	235868	1	01/04/2017 20:31	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-RS-004-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:42:00 AM
<b>Lab ID:</b> 1612E82-037	<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	235868	1	01/04/2017 20:35	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-RS-005-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:52:00 AM
<b>Lab ID:</b> 1612E82-038	<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	9.38	1.00		ug/L	235868	1	01/04/2017 20:38	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-RS-005-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:53:00 AM
<b>Lab ID:</b> 1612E82-039	<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	BRL	1.00		ug/L	235868	1	01/04/2017 20:42	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-CS-001-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:30:00 AM
<b>Lab ID:</b> 1612E82-040	<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	1.11	1.00		ug/L	235868	1	01/04/2017 20:45	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-CS-001-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:32:00 AM
<b>Lab ID:</b> 1612E82-041	<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	BRL	1.00		ug/L	235841	1	01/04/2017 13:32	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-CS-001-C
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:31:00 AM
<b>Lab ID:</b> 1612E82-042	<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	1.18	1.00		ug/L	235841	1	01/04/2017 13:49	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-IM-001-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:34:00 AM
<b>Lab ID:</b> 1612E82-043	<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	1.83	1.00		ug/L	235841	1	01/04/2017 14:00	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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-IM-002-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 5:06:00 AM
<b>Lab ID:</b> 1612E82-044	<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	BRL	1.00		ug/L	235500	1	12/27/2016 18:37	JS

**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-Jan-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-12516-SC-001-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 12/15/2016 4:57:00 AM
<b>Lab ID:</b> 1612E82-045	<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	BRL	1.00		ug/L	235841	1	01/04/2017 14:03	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.

Sample/Cooler Receipt Checklist

Client AEM

Work Order Number 1018E82

Checklist completed by Jessie Hill 12/15/2014  
Signature Date

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 3.4°C Cooler #2 \_\_\_\_\_ 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   
Adjusted? \_\_\_\_\_ Checked by JM  
Sample Condition: Good  Other(Explain) \_\_\_\_\_  
(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 - 0597  
 Workorder: 1612E82

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 235500

Sample ID: <b>MB-235500</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>12/27/2016</b>	Run No: <b>333105</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235500</b>	Analysis Date: <b>12/27/2016</b>	Seq No: <b>7258634</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-235500</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>12/27/2016</b>	Run No: <b>333105</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235500</b>	Analysis Date: <b>12/27/2016</b>	Seq No: <b>7258635</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 103.5 1.00 100.0 0.03774 103 85 115

Sample ID: <b>1612M65-001AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>12/27/2016</b>	Run No: <b>333105</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235500</b>	Analysis Date: <b>12/27/2016</b>	Seq No: <b>7258639</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 103.4 1.00 100.0 0.3720 103 70 130

Sample ID: <b>1612M65-001AMSD</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>12/27/2016</b>	Run No: <b>333105</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235500</b>	Analysis Date: <b>12/27/2016</b>	Seq No: <b>7258640</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 101.1 1.00 100.0 0.3720 101 70 130 103.4 2.25 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 - 0597  
**Workorder:** 1612E82

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 235841**

Sample ID: <b>MB-235841</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333578</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235841</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271588</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-235841</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333578</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235841</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271589</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 98.09 1.00 100.0 98.1 85 115

Sample ID: <b>1612E82-041AMS</b>	Client ID: <b>0597-12516-CS-001-B</b>	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333578</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235841</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271591</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 98.78 1.00 100.0 0.2650 98.5 70 130

Sample ID: <b>1612G34-026AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333578</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235841</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271594</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 94.27 1.00 100.0 0.1630 94.1 70 130

Sample ID: <b>1612E82-041AMSD</b>	Client ID: <b>0597-12516-CS-001-B</b>	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333578</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235841</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271592</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 101.3 1.00 100.0 0.2650 101 70 130 98.78 2.48 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 - 0597  
**Workorder:** 1612E82

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 235867**

Sample ID: <b>MB-235867</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333580</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235867</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271664</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-235867</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333580</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235867</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271665</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 97.67 1.00 100.0 97.7 85 115

Sample ID: <b>1612E82-001AMS</b>	Client ID: <b>0597-12516-DF-001-A</b>	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333580</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235867</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271667</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 109.0 1.00 100.0 13.02 96.0 70 130

Sample ID: <b>1612E82-011AMS</b>	Client ID: <b>0597-12516-DF-005-B</b>	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333580</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235867</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271670</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 99.58 1.00 100.0 1.189 98.4 70 130

Sample ID: <b>1612E82-001AMSD</b>	Client ID: <b>0597-12516-DF-001-A</b>	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333580</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235867</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271668</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 111.5 1.00 100.0 13.02 98.5 70 130 109.0 2.26 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 - 0597  
**Workorder:** 1612E82

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 235868**

Sample ID: <b>MB-235868</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333581</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235868</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271705</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-235868</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333581</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235868</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271706</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 101.6 1.00 100.0 102 85 115

Sample ID: <b>1612E82-021AMS</b>	Client ID: <b>0597-12516-DF-010-B</b>	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333581</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235868</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271710</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 97.80 1.00 100.0 1.607 96.2 70 130

Sample ID: <b>1612E82-031AMS</b>	Client ID: <b>0597-12516-RS-001-B</b>	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333581</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235868</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271713</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 100.4 1.00 100.0 1.573 98.8 70 130

Sample ID: <b>1612E82-021AMSD</b>	Client ID: <b>0597-12516-DF-010-B</b>	Units: <b>ug/L</b>	Prep Date: <b>01/04/2017</b>	Run No: <b>333581</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>235868</b>	Analysis Date: <b>01/04/2017</b>	Seq No: <b>7271711</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 101.1 1.00 100.0 1.607 99.5 70 130 97.80 3.34 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

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**From:** NoReply@aesatlanta.net  
**Sent:** Wednesday, October 11, 2017 3:54 PM  
**To:** leona-miles@aem-net.com; tim-royer@aem-net.com  
**Subject:** DCSD - 0597  
**Attachments:** 1709R12\_REPORT.pdf; 1709R12Invoice.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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# ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 11, 2017

Leona Miles  
Atlanta Environmental Mgmt  
2580 NE Expressway  
Atlanta GA 30345

RE: DCSD - 0597

Dear Leona Miles:

Order No: 1709R12

Analytical Environmental Services, Inc. received 10 samples on 9/29/2017 8:19:00 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/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile 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 30340-3906  
 TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

**CHAIN OF CUSTODY**

Work Order: 1709R12

Date: 9/29/17 Page 1 of 1

COMPANY: <b>Atlanta Environmental Management, Inc.</b>		ADDRESS: <b>2580 Northeast Expressway, 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					Lead (200.8)												
SAMPLED BY: Leona Miles		SIGNATURE: <i>Leona Miles</i>																	
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)								REMARKS				
		DATE	TIME																
1	0597-092917-RS-002-A	092917	0509	X		DW	X												
2	0597-092917-RS-002-B		0510	X		DW	X												
3	0597-092917-RS-000-A2		0512	X		DW	X												
4	0597-092917-RS-002-B2		0513	X		DW	X												
5	0597-092917-DF-014-A		0518	X		DW	X												
6	0597-092917-DF-014-B		0519	X		DW	X												
7	0597-092917-DF-015-A		0523	X		DW	X												
8	0597-092917-DF-015-B		0524	X		DW	X												
9	0597-092917-DF-016-A		0529	X		DW	X												
10	0597-092917-DF-016-B		0530	X		DW	X												
11																			
12																			
13																			
14																			
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION								RECEIPT			
1: <i>Leona Miles</i>		092917 0748		1: <i>Jing</i>		092917 0748		PROJECT NAME: <i>(Lays) DCSD</i>								Total # of Containers: <b>10</b>			
2: <i>Jing</i>		9/29/17 0819		2: <i>James Belter</i>		09/29/17 0819		PROJECT #: <i>1561-1601</i>								<b>Turnaround Time Request</b> <input checked="" type="checkbox"/> Standard 5 Business Days <input type="checkbox"/> 2 Business Day Rush <input type="checkbox"/> Next Business Day Rush <input type="checkbox"/> Same Day Rush (auth req.) <input type="checkbox"/> Other 10 Business Days			
3:				3:				SITE ADDRESS: <i>0597</i>											
								SEND REPORT TO: <i>Leona Miles</i>											
SPECIAL INSTRUCTIONS/COMMENTS:  <b>Lab to preserve</b>				SHIPMENT METHOD				INVOICE TO: (IF DIFFERENT FROM ABOVE)				STATE PROGRAM (if any): _____ E-mail? Y/N; Fax? Y/N DATA PACKAGE: <input type="checkbox"/> I <input checked="" type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV							
				OUT / / VIA: IN / / VIA: <input checked="" type="checkbox"/> CLIENT <input type="checkbox"/> FedEx <input type="checkbox"/> UPS <input type="checkbox"/> MAIL <input type="checkbox"/> COURIER <input type="checkbox"/> GREYHOUND <input type="checkbox"/> OTHER															
QUOTE #:								PO#:											
SAMPLES RECEIVED AFTER 3PM OR ON SATURDAY ARE CONSIDERED RECEIVED THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED WITH 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 W = Water (Blanks) WW = Wastewater DW = Drinking Water 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:** 11-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-092917-RS-002-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 9/29/2017 5:09:00 AM
<b>Lab ID:</b> 1709R12-001	<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	4.98	1.00		ug/L	249362	1	10/05/2017 02:08	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:** 11-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-092917-RS-002-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 9/29/2017 5:10:00 AM
<b>Lab ID:</b> 1709R12-002	<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	2.84	1.00		ug/L	249362	1	10/05/2017 02:14	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:** 11-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-092917-RS-002-A2
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 9/29/2017 5:12:00 AM
<b>Lab ID:</b> 1709R12-003	<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	5.58	1.00		ug/L	249362	1	10/05/2017 02:20	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

**Analytical Environmental Services, Inc**

**Date:** 11-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-092917-RS-002-B2
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 9/29/2017 5:13:00 AM
<b>Lab ID:</b> 1709R12-004	<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	2.52	1.00		ug/L	249362	1	10/05/2017 02:27	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:** 11-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-092917-DF-014-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 9/29/2017 5:18:00 AM
<b>Lab ID:</b> 1709R12-005	<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	249362	1	10/05/2017 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:** 11-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-092917-DF-014-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 9/29/2017 5:19:00 AM
<b>Lab ID:</b> 1709R12-006	<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	249362	1	10/05/2017 02:39	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:** 11-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-092917-DF-015-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 9/29/2017 5:23:00 AM
<b>Lab ID:</b> 1709R12-007	<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	249362	1	10/05/2017 02:46	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:** 11-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-092917-DF-015-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 9/29/2017 5:24:00 AM
<b>Lab ID:</b> 1709R12-008	<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	249399	1	10/05/2017 18:33	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:** 11-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-092917-DF-016-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 9/29/2017 5:29:00 AM
<b>Lab ID:</b> 1709R12-009	<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	249399	1	10/05/2017 19:18	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:** 11-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-092917-DF-016-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 9/29/2017 5:30:00 AM
<b>Lab ID:</b> 1709R12-010	<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	249399	1	10/05/2017 19:24	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: Atlanta Environmental Mgmt

AES Work Order Number: 1709R12

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

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

13. Cooler 1 Temperature 8.5 °C      Cooler 2 Temperature \_\_\_\_\_ °C      Cooler 3 Temperature \_\_\_\_\_ °C      Cooler 4 Temperature \_\_\_\_\_ °C  
 14. 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). TD 9/29/17

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	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?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	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?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	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). BU 9/29/17

This section only applies to samples where pH can be checked at Sample Receipt.

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

\* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). BU 9/29/17  
Page 13 of 15



Client: Atlanta Environmental Mgmt  
 Project Name: DCSD - 0597  
 Workorder: 1709R12

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 249362

Sample ID: <b>MB-249362</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/04/2017</b>	Run No: <b>353683</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>249362</b>	Analysis Date: <b>10/04/2017</b>	Seq No: <b>7782082</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-249362</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/04/2017</b>	Run No: <b>353683</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>249362</b>	Analysis Date: <b>10/04/2017</b>	Seq No: <b>7782083</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 97.04 1.00 100.0 97.0 85 115

Sample ID: <b>1709P61-021AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/04/2017</b>	Run No: <b>353683</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>249362</b>	Analysis Date: <b>10/05/2017</b>	Seq No: <b>7782085</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 97.95 1.00 100.0 2.067 95.9 70 130

Sample ID: <b>1709P64-002AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/04/2017</b>	Run No: <b>353683</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>249362</b>	Analysis Date: <b>10/05/2017</b>	Seq No: <b>7782090</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 92.83 1.00 100.0 0.9884 91.8 70 130

Sample ID: <b>1709P61-021AMSD</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/04/2017</b>	Run No: <b>353683</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>249362</b>	Analysis Date: <b>10/05/2017</b>	Seq No: <b>7782086</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 95.47 1.00 100.0 2.067 93.4 70 130 97.95 2.57 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 - 0597  
**Workorder:** 1709R12

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 249399**

Sample ID: <b>MB-249399</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/05/2017</b>	Run No: <b>353785</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>249399</b>	Analysis Date: <b>10/05/2017</b>	Seq No: <b>7784692</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-249399</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/05/2017</b>	Run No: <b>353785</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>249399</b>	Analysis Date: <b>10/05/2017</b>	Seq No: <b>7784693</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 95.58 1.00 100.0 95.6 85 115

Sample ID: <b>1709R12-008AMS</b>	Client ID: <b>0597-092917-DF-015-B</b>	Units: <b>ug/L</b>	Prep Date: <b>10/05/2017</b>	Run No: <b>353785</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>249399</b>	Analysis Date: <b>10/05/2017</b>	Seq No: <b>7784695</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 95.65 1.00 100.0 0.6254 95.0 70 130

Sample ID: <b>1709R15-002AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>10/05/2017</b>	Run No: <b>353785</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>249399</b>	Analysis Date: <b>10/05/2017</b>	Seq No: <b>7784700</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 96.85 1.00 100.0 96.8 70 130

Sample ID: <b>1709R12-008AMSD</b>	Client ID: <b>0597-092917-DF-015-B</b>	Units: <b>ug/L</b>	Prep Date: <b>10/05/2017</b>	Run No: <b>353785</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>249399</b>	Analysis Date: <b>10/05/2017</b>	Seq No: <b>7784696</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 96.48 1.00 100.0 0.6254 95.9 70 130 95.65 0.868 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, November 13, 2017 4:00 PM  
**To:** leona-miles@aem-net.com; tim-royer@aem-net.com  
**Subject:** DCSD - 0597  
**Attachments:** 1711065\_REPORT.pdf; 1711065Invoice.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



November 13, 2017

Leona Miles  
Atlanta Environmental Mgmt  
2580 NE Expressway  
Atlanta GA 30345

RE: DCSD - 0597

Dear Leona Miles:

Order No: 1711065

Analytical Environmental Services, Inc. received 12 samples on 11/1/2017 11:57:00 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/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile 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 12/01/17.

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: 1711065

Date: 11/1/17

Page 1 of 1

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												
PHONE:	404-329-9006	FAX:	404-329-2057	Lead (200.8)										
SAMPLED BY:	Andy Jensen	SIGNATURE:	<i>A Jensen</i>											
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)							REMARKS
		DATE	TIME				I							
1	0597-110117-CS-002-A	11/1/17	0530	X		DW	X							1
2	0597-110117-CS-002-B		0531	X		DW	X							1
3	0597-110117-CS-003-A		0532	X		DW	X							1
4	0597-110117-CS-003-B		0533	X		DW	X							1
5	0597-110117-CS-004-A		0534	X		DW	X							1
6	0597-110117-CS-004-B		0535	X		DW	X							1
7	0597-110117-CS-005-A		0536	X		DW	X							1
8	0597-110117-CS-005-B		0537	X		DW	X							1
9	0597-110117-CS-006-A		0538	X		DW	X							1
10	0597-110117-CS-006-B		0539	X		DW	X							1
11	0597-110117-CS-007-A		0540	X		DW	X							1
12	0597-110117-CS-007-B		0541	X		DW	X							1
13														
14														
15														

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	PROJECT INFORMATION				RECEIPT	
<i>A Jensen</i>	11/1/17 1157	<i>Leona Miles</i>	11/1/17 1157	PROJECT NAME:	DCSD			Total # of Containers	
				PROJECT #:	1561-1601			<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	
				SITE ADDRESS:	0597				
				SEND REPORT TO:	leona-miles@aem-net.com				
SPECIAL INSTRUCTIONS/COMMENTS:				INVOICE TO: Leona Miles	STATE PROGRAM (if any):				
Preserve at lab				SHIPMENT METHOD				E-mail? Y/N; Fax? Y/N	
				OUT VIA:	IN VIA:	CLIENT: <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> UPS <input type="checkbox"/> MAIL <input type="checkbox"/> COURIER <input type="checkbox"/> GREYHOUND <input type="checkbox"/> OTHER			
				QUOTE #:	PO#:				

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:** 13-Nov-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-110117-CS-002-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 11/1/2017 5:30:00 AM
<b>Lab ID:</b> 1711065-001	<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	18.9	1.00		ug/L	251070	1	11/10/2017 19:03	TA

**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:** 13-Nov-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-110117-CS-002-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 11/1/2017 5:31:00 AM
<b>Lab ID:</b> 1711065-002	<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	1.01	1.00		ug/L	251070	1	11/10/2017 19:05	TA

**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:** 13-Nov-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-110117-CS-003-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 11/1/2017 5:32:00 AM
<b>Lab ID:</b> 1711065-003	<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	10.0	1.00		ug/L	251070	1	11/10/2017 19:07	TA

**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:** 13-Nov-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-110117-CS-003-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 11/1/2017 5:33:00 AM
<b>Lab ID:</b> 1711065-004	<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	251070	1	11/10/2017 19:08	TA

**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:** 13-Nov-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-110117-CS-004-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 11/1/2017 5:34:00 AM
<b>Lab ID:</b> 1711065-005	<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	6.47	1.00		ug/L	251070	1	11/10/2017 19:10	TA

**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:** 13-Nov-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-110117-CS-004-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 11/1/2017 5:35:00 AM
<b>Lab ID:</b> 1711065-006	<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	251070	1	11/10/2017 19:12	TA

**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:** 13-Nov-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-110117-CS-005-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 11/1/2017 5:36:00 AM
<b>Lab ID:</b> 1711065-007	<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	4.30	1.00		ug/L	251070	1	11/10/2017 19:14	TA

**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:** 13-Nov-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-110117-CS-005-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 11/1/2017 5:37:00 AM
<b>Lab ID:</b> 1711065-008	<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	251070	1	11/10/2017 19:16	TA

**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:** 13-Nov-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-110117-CS-006-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 11/1/2017 5:38:00 AM
<b>Lab ID:</b> 1711065-009	<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	5.72	1.00		ug/L	251070	1	11/10/2017 18:59	TA

**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:** 13-Nov-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-110117-CS-006-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 11/1/2017 5:39:00 AM
<b>Lab ID:</b> 1711065-010	<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	251070	1	11/10/2017 19:23	TA

**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:** 13-Nov-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-110117-CS-007-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 11/1/2017 5:40:00 AM
<b>Lab ID:</b> 1711065-011	<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	9.96	1.00		ug/L	251070	1	11/10/2017 19:25	TA

**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:** 13-Nov-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-110117-CS-007-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 11/1/2017 5:41:00 AM
<b>Lab ID:</b> 1711065-012	<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	1.35	1.00		ug/L	251070	1	11/10/2017 19:27	TA

**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 - 0597  
**Workorder:** 1711065

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 251070**

Sample ID: <b>MB-251070</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/06/2017</b>	Run No: <b>356634</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>251070</b>	Analysis Date: <b>11/10/2017</b>	Seq No: <b>7856900</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-251070</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/06/2017</b>	Run No: <b>356634</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>251070</b>	Analysis Date: <b>11/10/2017</b>	Seq No: <b>7856901</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 101.8 1.00 100.0 102 85 115

Sample ID: <b>1711064-001AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/06/2017</b>	Run No: <b>356634</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>251070</b>	Analysis Date: <b>11/10/2017</b>	Seq No: <b>7856903</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 102.1 1.00 100.0 0.5268 102 70 130

Sample ID: <b>1711065-009AMS</b>	Client ID: <b>0597-110117-CS-006-A</b>	Units: <b>ug/L</b>	Prep Date: <b>11/06/2017</b>	Run No: <b>356634</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>251070</b>	Analysis Date: <b>11/10/2017</b>	Seq No: <b>7856909</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 109.7 1.00 100.0 5.721 104 70 130

Sample ID: <b>1711064-001AMSD</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/06/2017</b>	Run No: <b>356634</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>251070</b>	Analysis Date: <b>11/10/2017</b>	Seq No: <b>7856904</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 98.13 1.00 100.0 0.5268 97.6 70 130 102.1 3.97 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

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**From:** NoReply@aesatlanta.net  
**Sent:** Wednesday, November 29, 2017 9:20 AM  
**To:** leona-miles@aem-net.com; tim-royer@aem-net.com  
**Subject:** DCSD - 0597  
**Attachments:** 1711K77\_REPORT.pdf; 1711K77Invoice.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.**

November 29, 2017

Leona Miles  
Atlanta Environmental Mgmt  
2580 NE Expressway  
Atlanta GA 30345

RE: DCSD - 0597

Dear Leona Miles:

Order No: 1711K77

Analytical Environmental Services, Inc. received 2 samples on 11/21/2017 8:58:00 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/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile 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 11/01/19.

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: 1711K77

Date: 11/21/17 Page 1 of 1

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 <table border="1"> <tr><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> </table>																							
SAMPLED BY: <i>Shaun A. Schultz</i>		SIGNATURE: <i>Shaun A. Schultz</i>		PRESERVATION (See codes)				REMARKS																			
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)	I																				
1	0597-112117-CS-002-A	11/21/17	0507	X		DW	X		1																		
2	0597-112117-CS-002-B	11/21/17	0509	X		DW	X		1																		
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	PROJECT INFORMATION		RECEIPT	
1: <i>McA Doherty</i>	11/21/17 0858	1: <i>Leona Miles</i>	11/21/17 0858	PROJECT NAME:	DCSD		Total # of Containers
2:		2:		PROJECT #:	1561-1601		<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:			
SPECIAL INSTRUCTIONS/COMMENTS:				SEND REPORT TO:	Leona Miles and Tim Royer		STATE PROGRAM (if any):
Preserve at the Lab per protocol				INVOICE TO:	(IF DIFFERENT FROM ABOVE)		E-mail? Y/N; Fax? Y/N
SHIPMENT METHOD				leona-miles@aem-net.com; tim-royer@aem-net.com		DATA PACKAGE: I II III IV	
OUT <input type="checkbox"/> VIA: IN <input type="checkbox"/> <input checked="" type="checkbox"/> CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER				QUOTE #:	PO#:		

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

**Client:** Atlanta Environmental Mgmt  
**Project:** DCSD - 0597  
**Lab ID:** 1711K77

**Case Narrative**

Turnaround Time Adjustment:

At the request of Leona Miles with Atlanta Environmental Management via e-mail on 11/27/17 at 7:15AM all samples were analyzed as a next day rush due on 11/28/17.

**Analytical Environmental Services, Inc**

**Date:** 29-Nov-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-112117-CS-002-A
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 11/21/2017 5:07:00 AM
<b>Lab ID:</b> 1711K77-001	<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	4.73	1.00		ug/L	252051	1	11/28/2017 13:23	TA

**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:** 29-Nov-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0597-112117-CS-002-B
<b>Project Name:</b> DCSD - 0597	<b>Collection Date:</b> 11/21/2017 5:08:00 AM
<b>Lab ID:</b> 1711K77-002	<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	252051	1	11/28/2017 13:29	TA

**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 - 0597  
 Workorder: 1711K77

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 252051

Sample ID: <b>MB-252051</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/28/2017</b>	Run No: <b>357783</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>252051</b>	Analysis Date: <b>11/28/2017</b>	Seq No: <b>7886338</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-252051</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/28/2017</b>	Run No: <b>357783</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>252051</b>	Analysis Date: <b>11/28/2017</b>	Seq No: <b>7886339</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 98.32 1.00 100.0 98.3 85 115

Sample ID: <b>1711K77-001AMS</b>	Client ID: <b>0597-112117-CS-002-A</b>	Units: <b>ug/L</b>	Prep Date: <b>11/28/2017</b>	Run No: <b>357783</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>252051</b>	Analysis Date: <b>11/28/2017</b>	Seq No: <b>7886341</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 104.0 1.00 100.0 4.729 99.2 70 130

Sample ID: <b>1711K77-001AMSD</b>	Client ID: <b>0597-112117-CS-002-A</b>	Units: <b>ug/L</b>	Prep Date: <b>11/28/2017</b>	Run No: <b>357783</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>252051</b>	Analysis Date: <b>11/28/2017</b>	Seq No: <b>7886342</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 103.2 1.00 100.0 4.729 98.5 70 130 104.0 0.720 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