



November 15, 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  
Cedar Grove High School (Facility ID #0172)  
2360 River Road, Ellenwood, Georgia 30294  
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 Cedar Grove High School (Facility ID #0172). Additional drinking water samples from select source units were collected on October 31, 2017, and analytical results were received from Analytical Environmental Services, Inc., on November 13, 2017.

## **FINDINGS**

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

During the initial sampling event on February 9, 2017, three source units were inoperable and could not be sampled. DCSD made repairs to the inoperable source units, and AEM collected six drinking water samples on October 31, 2017. A description of the drinking water outlet sampled and a summary of sample analytical results are provided in Table 1.

None of the samples collected from CS-008 and AF-001 contained lead at or above EPA's action level of 15 parts per billion. One or more samples collected from DF-033 had a concentration that exceeded EPA's action level of 15 ppb.

DCSD removed DF-033 from service and capped the unit so that it can no longer be used. No further testing will be conducted at this unit.

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

During the initial sampling event on February 9, 2017, two source units were sampled and the analytical results indicated that the results were above EPA's action level of 15 ppb. DCSD replaced units and AEM collected four drinking water samples on October 31, 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 outlet sampled and a summary of sample analytical results are provided in Table 2.

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Mr. Joshua Williams—DeKalb County School District  
November 15, 2017  
Page 2

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**

**Cedar Grove High School**  
 2360 River Road, Ellenwood, GA 30294



Sample ID*/**	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0172-020917-DF-033-A	Initial Draw sample; Single Drinking Fountain behind softball field. <b>Note, following receipt of sample results, DCSD capped the drinking fountain and it is no longer in use as of 11/13/17.</b>	10/31/17 5:54 AM	<b>32.5</b>
0172-020917-DF-033-B	Flush sample; Single Drinking Fountain behind softball field. <b>Note, following receipt of sample results, DCSD capped the drinking fountain and it is no longer in use as of 11/13/17.</b>	10/31/17 5:55 AM	<b>15.4</b>
0172-103117-CS-008-A	Initial Draw sample; Rm 308, Back far right sink immediately adjacent to washer and dryer	10/31/17 5:27 AM	4.88
0172-103117-CS-008-B	Flush sample; Rm 308, Back far right sink immediately adjacent to washer and dryer	10/31/17 5:28 AM	None Detected
0172-103117-AF-001-A	Initial Draw sample; Spigot in ground on field by track and football field	10/31/17 5:45 AM	8.62
0172-103117-AF-001-B	Flush sample; Spigot in ground on field by track and football field	10/31/17 5:46 AM	None Detected

**Notes:**

ppb-parts per billion

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

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

\*\*The Source Units were inoperable during the initial testing on 2/9/17. The above summarizes the initial test results post-repair.

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

**Cedar Grove High School**  
 2360 River Road, Ellenwood, GA 30294



Sample ID*/**	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0172-103117-DF-009-A	Initial Draw sample; Wall mounted Elkay Drinking Fountain to right of the door in Rm 304	10/31/17 5:33 AM	4.41
0172-103117-DF-009-B	Flush sample; Wall mounted Elkay Drinking Fountain to right of the door in Rm 304; Sample discolored	10/31/17 5:34 AM	6.68
0172-103117-CS-002-A	Initial Draw sample; Retest Back left most sink in Rm 308; Sink dripping on arrival	10/31/17 5:25 AM	13.1
0172-103117-CS-002-B	Flush sample; Retest Back left most sink in Rm 308; Sink dripping on arrival	10/31/17 5:26 AM	1.06

**Notes:**

ppb-parts per billion

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

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

\*\*The source unit was initially sampled on 2/9/17 and the initial results indicated that a concentration exceeded the EPA standard of 15 ppb. The source unit was replaced by DCSD and retesting was conducted. The above summarizes the retest results.





February 27, 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: Lead in Drinking Water Sample Results  
Cedar Grove High School (Facility ID #0172)  
2360 River Road, Ellenwood, Georgia 30294  
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 Cedar Grove High School (Facility ID #0172). Samples were collected on February 9, 2017, and analytical results were received from Analytical Environmental Services, Inc., on February 23, 2017.

## **FINDINGS**

AEM collected 93 drinking water samples from 47 sources at Cedar Grove High School (Facility ID #0172), including two duplicate samples. A description of the drinking water outlets sampled and a summary of sample analytical results are provided in the attached table.

Two 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. These sources are indicated in bold and shaded font in the attached table.

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Mr. Joshua Williams—DeKalb County School District  
February 27, 2017  
Page 2

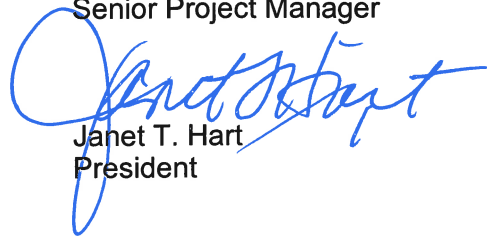
We appreciate your selection of AEM for this project. If you have any questions, please do not hesitate to contact us.

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 Lead in Drinking Water Laboratory Analytical Results**

**Cedar Grove High School**  
**2360 River Road, Ellenwood, GA 30294**



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0172-020917-DF-001-A	Initial Draw sample; Left wall mounted Elkay Drinking Fountain near Kitchen entrance in Cafeteria	2/9/17 5:04 AM	1.06
0172-020917-DF-001-B	Flush sample; Left wall mounted Elkay Drinking Fountain near Kitchen entrance in Cafeteria	2/9/17 5:05 AM	None Detected
0172-020917-DF-002-A	Initial Draw sample; Right wall mounted Elkay Drinking Fountain near Kitchen entrance in Cafeteria	2/9/17 5:06 AM	None Detected
0172-020917-DF-002-B	Flush sample; Right wall mounted Elkay Drinking Fountain near Kitchen entrance in Cafeteria	2/9/17 5:07 AM	None Detected
0172-020917-DF-003-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway across from Admin office and Main Entrance	2/9/17 4:53 AM	None Detected
0172-020917-DF-003-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway across from Admin office and Main Entrance	2/9/17 4:54 AM	None Detected
0172-020917-DF-004-A	Initial Draw sample; Upper Middle wall mounted Elkay Drinking Fountain in hallway across from Admin office and Main Entrance	2/9/17 4:55 AM	None Detected
0172-020917-DF-004-B	Flush sample; Upper Middle wall mounted Elkay Drinking Fountain in hallway across from Admin office and Main Entrance	2/9/17 4:56 AM	None Detected
0172-020917-DF-005-A	Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain hallway across from Admin office and Main Entrance	2/9/17 4:57 AM	None Detected
0172-020917-DF-005-B	Flush sample; Lower Right wall mounted Elkay Drinking Fountain in hallway across from Admin office and Main Entrance	2/9/17 4:58 AM	None Detected
0172-020917-DF-006-A	Initial Draw sample; Left most wall mounted Elkay Drinking Fountain in hallway across from Rm 351	2/9/17 5:15 AM	1.13
0172-020917-DF-006-B	Flush sample; Left most wall mounted Elkay Drinking Fountain in hallway across from Rm 351	2/9/17 5:16 AM	None Detected
0172-020917-DF-007-A	Initial Draw sample; Center wall mounted Elkay Drinking Fountain in hallway across from Rm 351	2/9/17 5:17 AM	None Detected
0172-020917-DF-007-B	Flush sample; Center wall mounted Elkay Drinking Fountain in hallway across from Rm 351	2/9/17 5:18 AM	None Detected
0172-020917-DF-008-A	Initial Draw sample; Right most wall mounted Elkay Drinking Fountain in hallway across from Rm 351	2/9/17 5:19 AM	None Detected

**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results**  
**Cedar Grove High School**  
**2360 River Road, Ellenwood, GA 30294**



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0172-020917-DF-008-B	Flush sample; Right most wall mounted Elkay Drinking Fountain in hallway across from Rm 351	2/9/17 5:20 AM	None Detected
0172-020917-DF-009-A	Initial Draw sample; Wall mounted Halsey Taylor Drinking Fountain to right of the door in Rm 304	2/9/17 5:27 AM	6.44
0172-020917-DF-009-B	Flush sample; Wall mounted Halsey Taylor Drinking Fountain to right of the door in Rm 304; Sample discolored	2/9/17 5:28 AM	<b>58.5</b>
0172-020917-DF-010-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway across from Rm 361	2/9/17 5:12 AM	None Detected
0172-020917-DF-010-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway across from Rm 361	2/9/17 5:13 AM	None Detected
0172-020917-DF-011-A	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway across from Rm 361	2/9/17 5:14 AM	None Detected
0172-020917-DF-011-B	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway across from Rm 361	2/9/17 5:15 AM	None Detected
0172-020917-DF-012-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway left of Rm 323	2/9/17 5:29 AM	None Detected
0172-020917-DF-012-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway left of Rm 323	2/9/17 5:30 AM	None Detected
0172-020917-DF-013-A	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway left of Rm 323	2/9/17 5:31 AM	None Detected
0172-020917-DF-013-B	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway left of Rm 323	2/9/17 5:32 AM	None Detected
0172-020917-DF-014-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway near Rm 327 and Janitor Closet	2/9/17 5:18 AM	None Detected
0172-020917-DF-014-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway near Rm 327 and Janitor Closet	2/9/17 5:19 AM	None Detected
0172-020917-DF-015-A	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway near Rm 327 and Janitor Closet	2/9/17 5:20 AM	None Detected
0172-020917-DF-015-B	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway near Rm 327 and Janitor Closet	2/9/17 5:21 AM	None Detected

**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results**  
**Cedar Grove High School**  
**2360 River Road, Ellenwood, GA 30294**



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0172-020917-DF-016-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in Gym lobby by Womens RR Rm 96.11	2/9/17 5:05 AM	None Detected
0172-020917-DF-016-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in Gym lobby by Womens RR Rm 96.11	2/9/17 5:06 AM	None Detected
0172-020917-DF-017-A	Initial Draw sample; Upper Middle wall mounted Elkay Drinking Fountain in Gym lobby by Womens RR Rm 96.11	2/9/17 5:07 AM	None Detected
0172-020917-DF-017-B	Flush sample; Upper Middle wall mounted Elkay Drinking Fountain in Gym lobby by Womens RR Rm 96.11	2/9/17 5:08 AM	None Detected
0172-020917-DF-018-A	Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain in Gym lobby by Womens RR Rm 96.11	2/9/17 5:09 AM	None Detected
0172-020917-DF-018-B	Flush sample; Lower Right wall mounted Elkay Drinking Fountain in Gym lobby by Womens RR Rm 96.11	2/9/17 5:10 AM	None Detected
0172-020917-DF-019-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain next to Mens RR (Rm 96.8) in Gym lobby	2/9/17 5:21 AM	None Detected
0172-020917-DF-019-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain next to Mens RR (Rm 96.8) in Gym lobby	2/9/17 5:22 AM	None Detected
0172-020917-DF-020-A	Initial Draw sample; Upper Middle wall mounted Elkay Drinking Fountain next to Mens RR (Rm 96.8) in Gym lobby	2/9/17 5:23 AM	None Detected
0172-020917-DF-020-B	Flush sample; Upper Middle wall mounted Elkay Drinking Fountain next to Mens RR (Rm 96.8) in Gym lobby	2/9/17 5:24 AM	None Detected
0172-020917-DF-021-A	Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain next to Mens RR (Rm 96.8) in Gym lobby	2/9/17 5:25 AM	None Detected
0172-020917-DF-021-B	Flush sample; Lower Right wall mounted Elkay Drinking Fountain next to Mens RR (Rm 96.8) in Gym lobby	2/9/17 5:26 AM	None Detected
0172-020917-DF-022-A	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway across from Rm 201	2/9/17 5:29 AM	None Detected
0172-020917-DF-022-B	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway across from Rm 201	2/9/17 5:30 AM	None Detected
0172-020917-DF-023-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway across from Rm 201	2/9/17 5:31 AM	None Detected

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

**Cedar Grove High School**  
**2360 River Road, Ellenwood, GA 30294**



<b>Sample ID*</b>	<b>Sample Location Description</b>	<b>Sample Date &amp; Time</b>	<b>Lead Test Results (ppb)</b>
0172-020917-DF-023-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway across from Rm 201	2/9/17 5:32 AM	None Detected
0172-020917-DF-024-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway to left of Rm 223	2/9/17 5:37 AM	None Detected
0172-020917-DF-024-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway to left of Rm 223	2/9/17 5:38 AM	None Detected
0172-020917-DF-025-A	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway to left of Rm 223	2/9/17 5:39 AM	None Detected
0172-020917-DF-025-B	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway to left of Rm 223	2/9/17 5:40 AM	None Detected
0172-020917-DF-026-A	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway around corner from math Rm 227	2/9/17 5:03 AM	None Detected
0172-020917-DF-026-B	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway around corner from math Rm 227	2/9/17 5:04 AM	None Detected
0172-020917-DF-027-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway around corner from math Rm 227	2/9/17 5:05 AM	None Detected
0172-020917-DF-027-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway around corner from math Rm 227	2/9/17 5:06 AM	None Detected
0172-020917-DF-028-A	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in hallway across from locker room 4 & 5	2/9/17 5:29 AM	None Detected
0172-020917-DF-028-B	Flush sample; Single wall mounted Elkay Drinking Fountain in hallway across from locker room 4 & 5	2/9/17 5:30 AM	None Detected
0172-020917-DF-029-A	Initial Draw sample; Single wall mounted Elkay Drinking Fountain outside storage Rm 96.16	2/9/17 5:25 AM	None Detected
0172-020917-DF-029-B	Flush sample; Single wall mounted Elkay Drinking Fountain in hallway outside storage Rm 96.16	2/9/17 5:26 AM	None Detected
0172-020917-DF-030-A	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in hallway near Girl's LockerRoom/Rm 96.46 of Gym	2/9/17 5:45 AM	None Detected
0172-020917-DF-030-B	Flush sample; Single wall mounted Elkay Drinking Fountain in hallway near Girl's LockerRoom/Rm 96.46 of Gym	2/9/17 5:46 AM	None Detected

**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results**  
**Cedar Grove High School**  
**2360 River Road, Ellenwood, GA 30294**



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0172-020917-DF-032-A	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in hallway outside Music Rm 403	2/9/17 5:19 AM	1.72
0172-020917-DF-032-B	Flush sample; Single wall mounted Elkay Drinking Fountain in hallway outside Music Rm 403	2/9/17 5:20 AM	1.26
0172-020917-RS-001-A	Initial Draw sample; Sampled far left sink in staff Womens RR across from Rm 326	2/9/17 5:22 AM	None Detected
0172-020917-RS-001-B	Flush sample; Sampled far left sink in staff Womens RR across from Rm 326	2/9/17 5:23 AM	None Detected
0172-020917-RS-002-A	Initial Draw sample; Sampled far right sink in Mens RR/Rm 96.8 in Gym lobby	2/9/17 5:14 AM	None Detected
0172-020917-RS-002-B	Flush sample; Sampled far right sink in Mens RR/Rm 96.8 in Gym lobby	2/9/17 5:15 AM	None Detected
0172-020917-RS-003-A	Initial Draw sample; RR sink outside ROTC rooms	2/9/17 5:14 AM	None Detected
0172-020917-RS-003-B	Flush sample; RR sink outside ROTC rooms	2/9/17 5:15 AM	1.24
0172-020917-TL-001-A	Initial Draw sample; Sink in Teachers Lounge across from Rm 358	2/9/17 5:03 AM	None Detected
0172-020917-TL-001-B	Flush sample; Sink in Teachers Lounge across from Rm 358	2/9/17 5:04 AM	None Detected
0172-020917-CS-001-A	Initial Draw sample; Food Prep Sink at back of Kitchen; Dripping on arrival	2/9/17 4:55 AM	1.33
0172-020917-CS-001-B	Flush sample; Food Prep Sink at back of Kitchen; Dripping on arrival	2/9/17 4:56 AM	None Detected
0172-020917-CS-002-A	Initial Draw sample; Back left most sink in Rm 308; Sink dripping on arrival	2/9/17 5:38 AM	<b>167</b>
0172-020917-CS-002-B	Flush sample; Back left most sink in Rm 308; Sink dripping on arrival	2/9/17 5:39 AM	1.29
0172-020917-CS-003-A	Initial Draw sample; Sink in back middle left of Rm 308; To right of CS-002	2/9/17 5:40 AM	14.2
0172-020917-CS-003-B	Flush sample; Sink in back middle left of Rm 308; To right of CS-002	2/9/17 5:41 AM	None Detected
0172-020917-CS-004-A	Initial Draw sample; Front middle left sink in Rm 308	2/9/17 5:51 AM	1.13
0172-020917-CS-004-B	Flush sample; Front middle left sink in Rm 308	2/9/17 5:52 AM	None Detected
0172-020917-CS-005-A	Initial Draw sample; Front middle right sink in Rm 308	2/9/17 5:43 AM	None Detected
0172-020917-CS-005-B	Flush sample; Front middle right sink in Rm 308	2/9/17 5:44 AM	None Detected
0172-020917-CS-006-A	Initial Draw sample; Back middle right sink in Rm 308	2/9/17 5:48 AM	1.26
0172-020917-CS-006-B	Flush sample; Back middle right sink in Rm 308	2/9/17 5:49 AM	None Detected
0172-020917-CS-007-A	Initial Draw sample; Back right sink in Rm 308	2/9/17 5:51 AM	3.47
0172-020917-CS-007-B	Flush sample; Back right sink in Rm 308	2/9/17 5:52 AM	2.20
0172-020917-CS-009-A	Initial Draw sample; Front right sink in Rm 308	2/9/17 6:01 AM	None Detected
0172-020917-CS-009-B	Flush sample; Front right sink in Rm 308	2/9/17 6:02 AM	None Detected
0172-020917-IM-001-A	Scotsman Prodigy Ice Machine near dishpit in Kitchen	2/9/17 4:57 AM	None Detected
0172-020917-IM-002-A	Only Ice-O-Matic Ice Machine in training room	2/9/17 5:34 AM	None Detected

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

**Cedar Grove High School**  
 2360 River Road, Ellenwood, GA 30294



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0172-020917-OT-001-A	Initial Draw sample; Sampled from spigot on wall in training room	2/9/17 5:37 AM	None Detected
0172-020917-OT-001-B	Flush sample; Sampled from spigot on wall in training room	2/9/17 5:39 AM	None Detected
0172-020917-SC-001-A	Service connection entry into building	2/9/17 4:51 AM	2.22

**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





December 5, 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: Final Technical Lead in Drinking Water Sampling Report  
Cedar Grove High School (Facility ID #0172)  
2360 River Road, Ellenwood, Georgia 30294  
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 Cedar Grove High School (Facility ID #0172).

Initial sampling was conducted on February 9, 2017, and analytical results were received from Analytical Environmental Services, Inc., on February 23, 2017. Additional drinking water samples from select source units were collected on October 31, 2017, and analytical results were received from Analytical Environmental Services, Inc., on November 13, 2017.

## **FINDINGS**

### ***Initial Testing***

AEM collected 93 drinking water samples from 47 sources at Cedar Grove High School (Facility ID #0172), 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.

Two of the sources sampled (DF-009 and CS-002) had a drinking water sample result that contained lead at a concentration at or above EPA's action level of 15 parts per billion (ppb). These sources are indicated in bold and shaded font in the attached table.

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

During the initial sampling event on February 9, 2017, three source units (DF-033, CS-008, and AF-001) were inoperable and could not be sampled. DCSD made repairs to the inoperable source units, and AEM collected six drinking water samples on October 31, 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 from CS-008 and AF-001 contained lead at or above EPA's action level of 15 parts per billion. One or more samples collected from DF-033 had a concentration that exceeded EPA's action level of 15 ppb.

DCSD removed DF-033 from service and capped the unit so that it can no longer be used. No further testing will be conducted at this unit.

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

During the initial sampling event on February 9, 2017, two source units (DF-009 and CS-002) were sampled and the analytical results indicated that the results were above EPA's action level of 15 ppb. DCSD replaced the units and AEM collected four drinking water samples on October 31, 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 ppb.

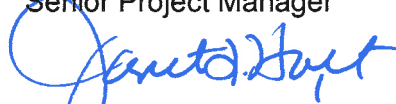
We appreciate your selection of AEM for this project. If you have any questions, please do not hesitate to contact us.

Sincerely,

**Atlanta Environmental Management, Inc.**



Leona Miles, CHMM  
Senior Project Manager



Janet T. Hart  
President

/krf

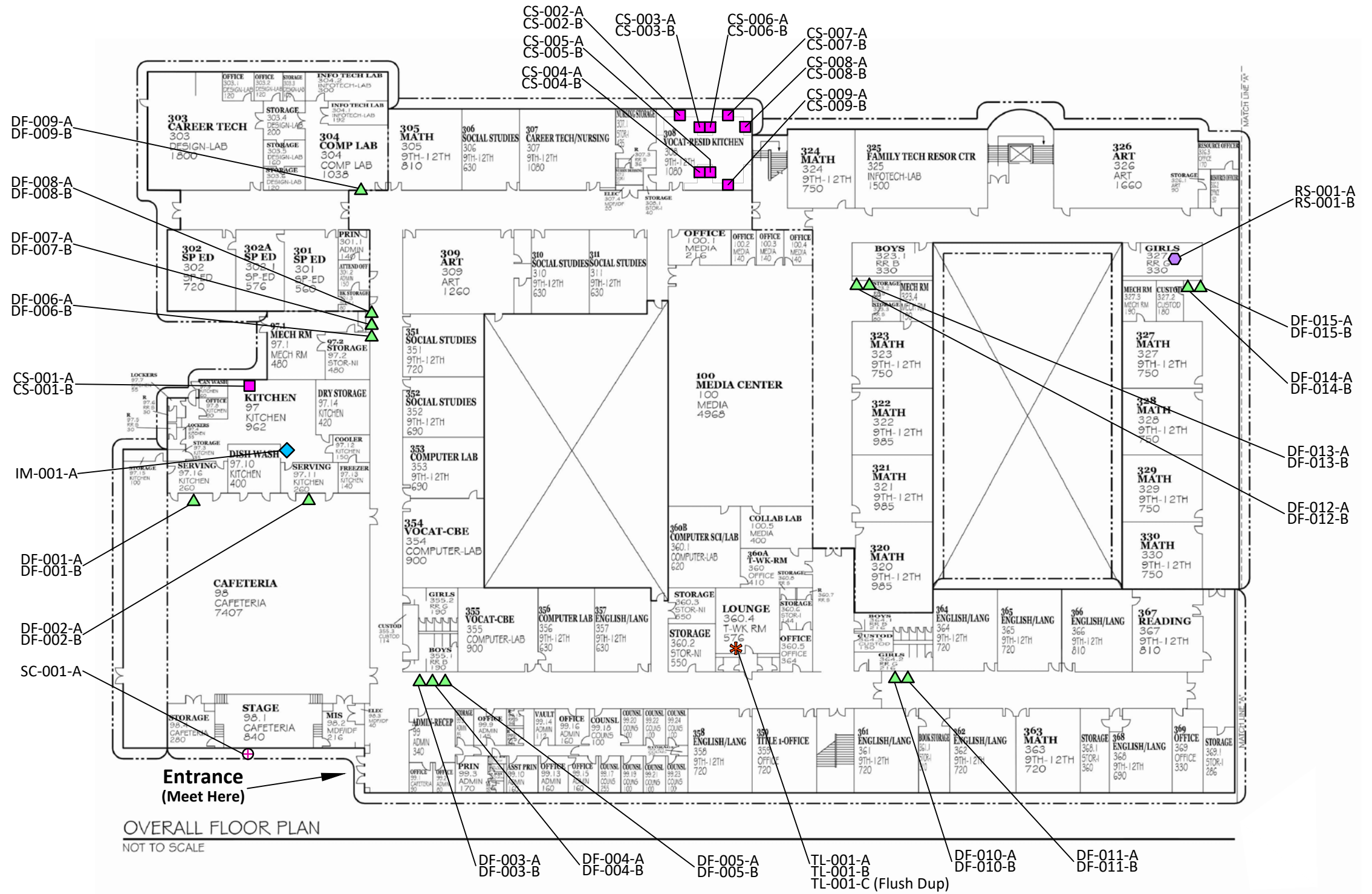
cc: Daniel Drake (DCSD)  
Tracee Hill (DCSD)


---

# FIGURE

# Legend

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

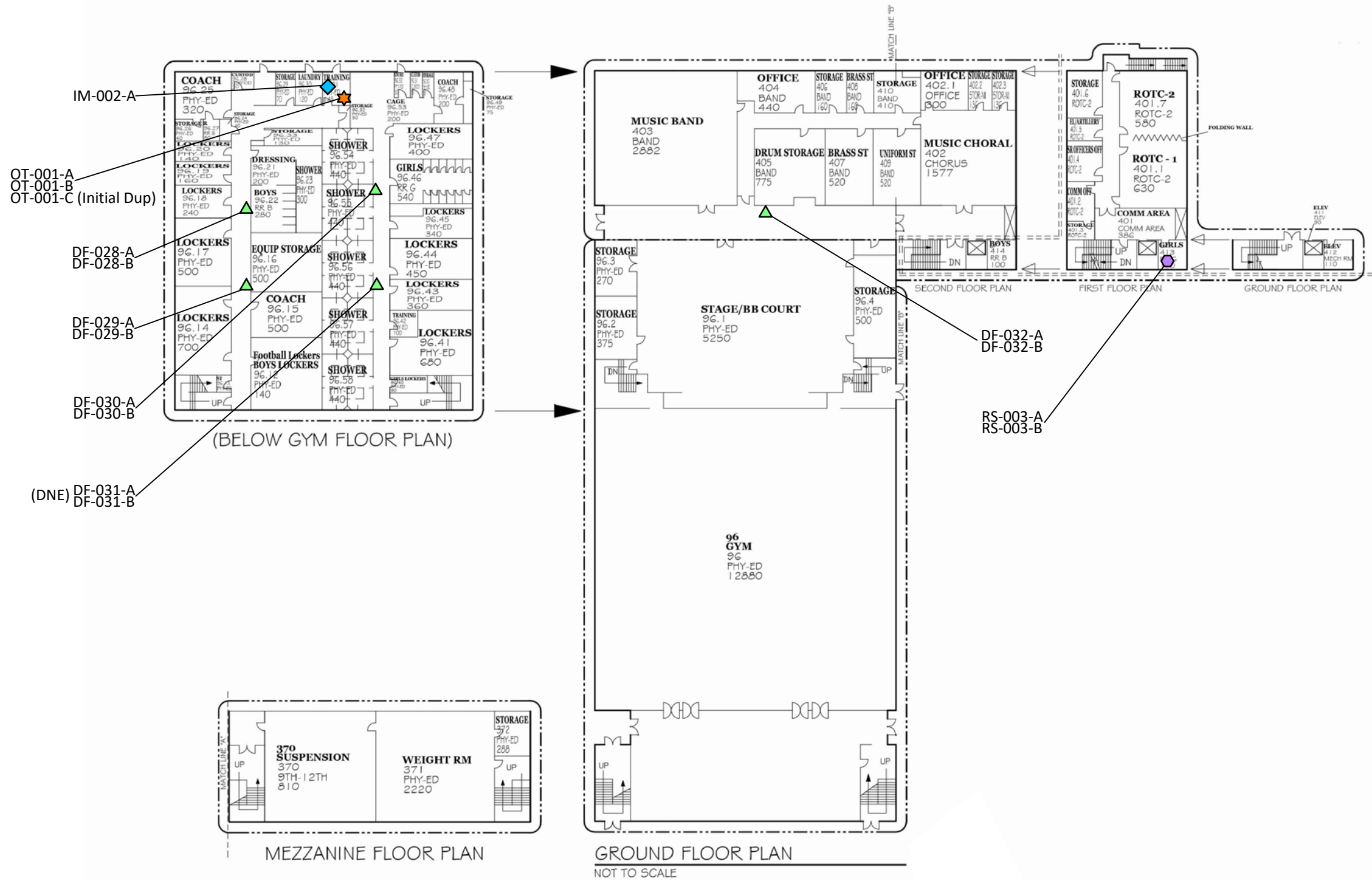



 <b>Atlanta Environmental Management, Inc.</b> Environmental Consulting, Engineering, Hydrogeologic Services 2580 Northeast Expressway • Atlanta, Georgia 30345 Phone: 404.329.9006 • Fax: 404.329.2057		Client: DeKalb County School District Site Location: Cedar Grove High Facility (#0172) 2360 River Road Ellenwood, GA 30294	
PROJECT #:	1561-1601-0172	DATE:	February 9, 2017
DRAWN BY:	AL	REVISED:	---
CHECKED BY:	TR	SCALE:	NTS
PROJECT MGR:	LM	PRINTED:	11/30/2017 4:45 PM
<b>Sample Location Plan</b>			Figure <b>1a</b>

G:\DWG\1561-1601 DeKalb County Schools\0172\0172

# Legend

- - Cafeteria Sink (CS)
- ▲ - Drinking Fountain (DF)
- ◆ - Ice Maker (IM)
- - Kindergarten Sink (KS)
- ★ - Other (OT)
- - Restroom Sink (RS)
- ⊕ - Service Connection (SC)
- ✱ - Teachers Lounge (TL)
- (DNE) - Does Not Exist

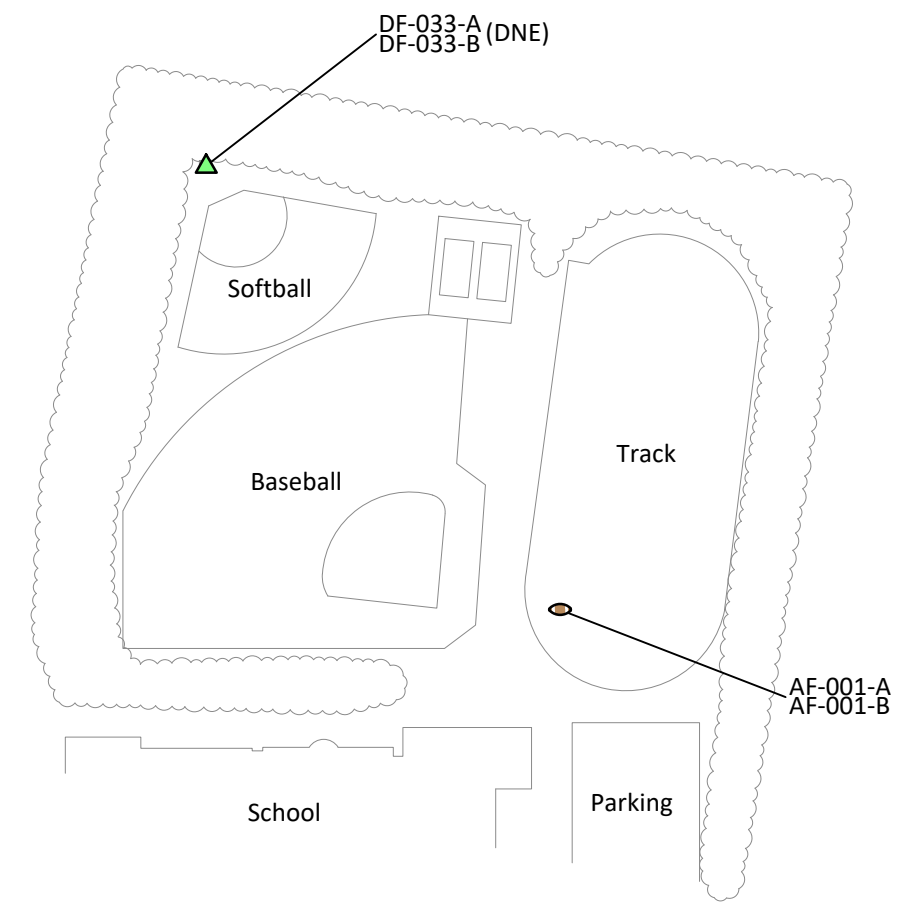
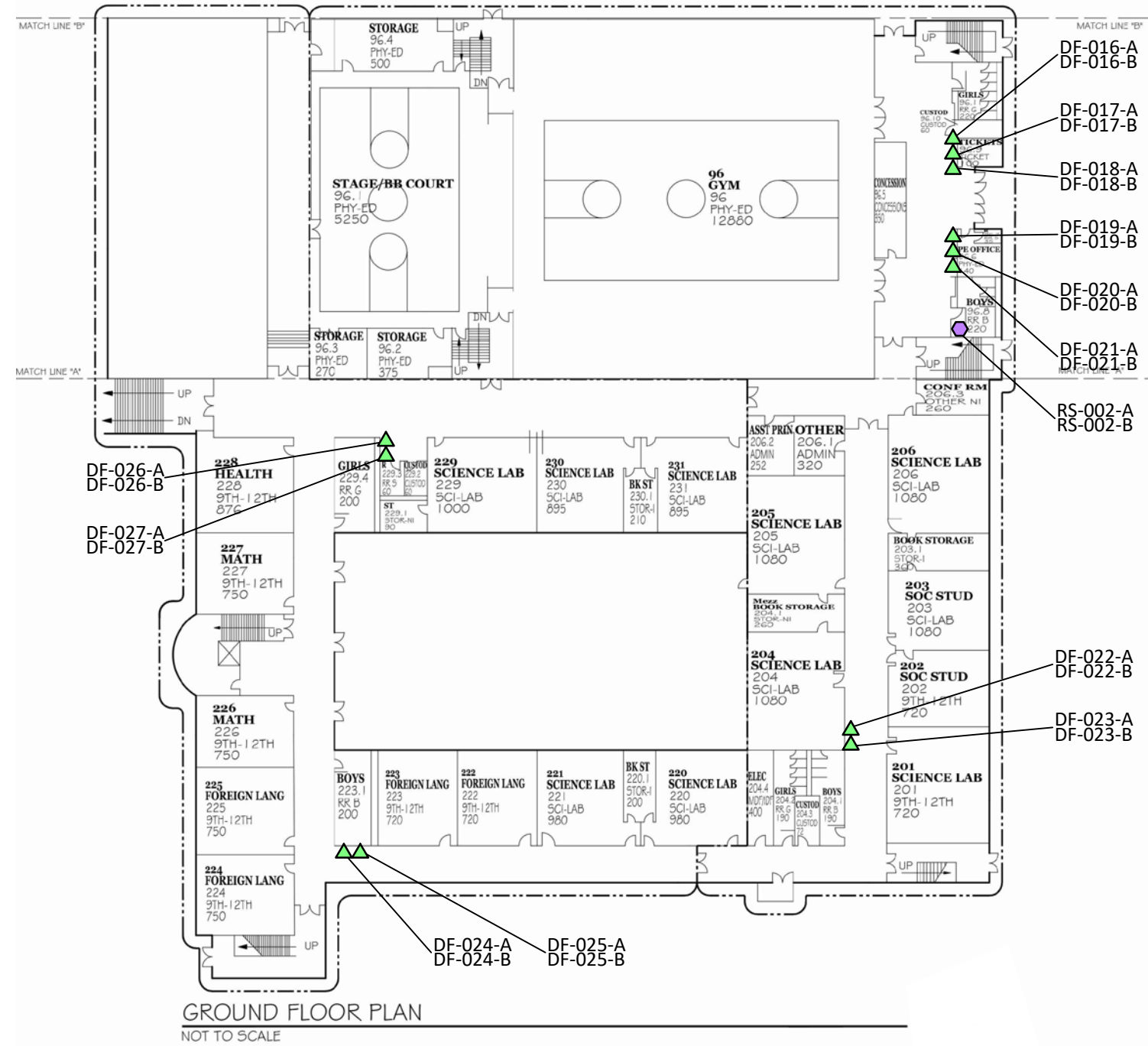



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PROJECT MGR:	LM	PRINTED:	11/30/2017 4:45 PM
<b>Sample Location Plan</b>			Figure <b>1b</b>
G:\DWG\1561-1601 DeKalb County Schools\0172\0172			



# Legend

- Athletic Field (AF)
  - Cafeteria Sink (CS)
  - Drinking Fountain (DF)
  - Ice Maker (IM)
  - Kindergarten Sink (KS)
  - Other (OT)
  - Restroom Sink (RS)
  - Service Connection (SC)
  - Teachers Lounge (TL)
- (DNE)- Does Not Exist;  
DCSD Removed and Capped off Unit



 <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: Cedar Grove High Facility (#0172) 2360 River Road Ellenwood, GA 30294	
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PROJECT MGR:	LM	PRINTED:	11/30/2017 4:45 PM
<b>Sample Location Plan</b>			Figure <b>1c</b>
G:\DWG\1561-1601 DeKalb County Schools\0172\0172			

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# TABLE

**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results****Cedar Grove High School**

2360 River Road, Ellenwood, GA 30294



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0172-020917-DF-001-A	Initial Draw sample; Left wall mounted Elkay Drinking Fountain near Kitchen entrance in Cafeteria	2/9/17 5:04 AM	1.06
0172-020917-DF-001-B	Flush sample; Left wall mounted Elkay Drinking Fountain near Kitchen entrance in Cafeteria	2/9/17 5:05 AM	None Detected
0172-020917-DF-002-A	Initial Draw sample; Right wall mounted Elkay Drinking Fountain near Kitchen entrance in Cafeteria	2/9/17 5:06 AM	None Detected
0172-020917-DF-002-B	Flush sample; Right wall mounted Elkay Drinking Fountain near Kitchen entrance in Cafeteria	2/9/17 5:07 AM	None Detected
0172-020917-DF-003-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway across from Admin office and Main Entrance	2/9/17 4:53 AM	None Detected
0172-020917-DF-003-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway across from Admin office and Main Entrance	2/9/17 4:54 AM	None Detected
0172-020917-DF-004-A	Initial Draw sample; Upper Middle wall mounted Elkay Drinking Fountain in hallway across from Admin office and Main Entrance	2/9/17 4:55 AM	None Detected
0172-020917-DF-004-B	Flush sample; Upper Middle wall mounted Elkay Drinking Fountain in hallway across from Admin office and Main Entrance	2/9/17 4:56 AM	None Detected
0172-020917-DF-005-A	Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain hallway across from Admin office and Main Entrance	2/9/17 4:57 AM	None Detected
0172-020917-DF-005-B	Flush sample; Lower Right wall mounted Elkay Drinking Fountain in hallway across from Admin office and Main Entrance	2/9/17 4:58 AM	None Detected
0172-020917-DF-006-A	Initial Draw sample; Left most wall mounted Elkay Drinking Fountain in hallway across from Rm 351	2/9/17 5:15 AM	1.13
0172-020917-DF-006-B	Flush sample; Left most wall mounted Elkay Drinking Fountain in hallway across from Rm 351	2/9/17 5:16 AM	None Detected
0172-020917-DF-007-A	Initial Draw sample; Center wall mounted Elkay Drinking Fountain in hallway across from Rm 351	2/9/17 5:17 AM	None Detected
0172-020917-DF-007-B	Flush sample; Center wall mounted Elkay Drinking Fountain in hallway across from Rm 351	2/9/17 5:18 AM	None Detected



**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results**  
**Cedar Grove High School**  
 2360 River Road, Ellenwood, GA 30294



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0172-020917-DF-008-A	Initial Draw sample; Right most wall mounted Elkay Drinking Fountain in hallway across from Rm 351	2/9/17 5:19 AM	None Detected
0172-020917-DF-008-B	Flush sample; Right most wall mounted Elkay Drinking Fountain in hallway across from Rm 351	2/9/17 5:20 AM	None Detected
0172-020917-DF-009-A	Initial Draw sample; Wall mounted Halsey Taylor Drinking Fountain to right of the door in Rm 304	2/9/17 5:27 AM	6.44
0172-020917-DF-009-B	Flush sample; Wall mounted Halsey Taylor Drinking Fountain to right of the door in Rm 304; Sample discolored	2/9/17 5:28 AM	<b>58.5</b>
0172-103117-DF-009-A	Initial Draw sample; Wall mounted Elkay Drinking Fountain to right of the door in Rm 304	10/31/17 5:32 AM	4.41
0172-103117-DF-009-B	Flush sample; Wall mounted Elkay Drinking Fountain to right of the door in Rm 304; Sample discolored	10/31/17 5:33 AM	6.68
0172-020917-DF-010-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway across from Rm 361	2/9/17 5:12 AM	None Detected
0172-020917-DF-010-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway across from Rm 361	2/9/17 5:13 AM	None Detected
0172-020917-DF-011-A	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway across from Rm 361	2/9/17 5:14 AM	None Detected
0172-020917-DF-011-B	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway across from Rm 361	2/9/17 5:15 AM	None Detected
0172-020917-DF-012-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway left of Rm 323	2/9/17 5:29 AM	None Detected
0172-020917-DF-012-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway left of Rm 323	2/9/17 5:30 AM	None Detected
0172-020917-DF-013-A	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway left of Rm 323	2/9/17 5:31 AM	None Detected
0172-020917-DF-013-B	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway left of Rm 323	2/9/17 5:32 AM	None Detected

**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results  
Cedar Grove High School  
2360 River Road, Ellenwood, GA 30294**



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0172-020917-DF-014-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway near Rm 327 and Janitor Closet	2/9/17 5:18 AM	None Detected
0172-020917-DF-014-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway near Rm 327 and Janitor Closet	2/9/17 5:19 AM	None Detected
0172-020917-DF-015-A	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway near Rm 327 and Janitor Closet	2/9/17 5:20 AM	None Detected
0172-020917-DF-015-B	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway near Rm 327 and Janitor Closet	2/9/17 5:21 AM	None Detected
0172-020917-DF-016-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in Gym lobby by Womens RR Rm 96.11	2/9/17 5:05 AM	None Detected
0172-020917-DF-016-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in Gym lobby by Womens RR Rm 96.11	2/9/17 5:06 AM	None Detected
0172-020917-DF-017-A	Initial Draw sample; Upper Middle wall mounted Elkay Drinking Fountain in Gym lobby by Womens RR Rm 96.11	2/9/17 5:07 AM	None Detected
0172-020917-DF-017-B	Flush sample; Upper Middle wall mounted Elkay Drinking Fountain in Gym lobby by Womens RR Rm 96.11	2/9/17 5:08 AM	None Detected
0172-020917-DF-018-A	Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain in Gym lobby by Womens RR Rm 96.11	2/9/17 5:09 AM	None Detected
0172-020917-DF-018-B	Flush sample; Lower Right wall mounted Elkay Drinking Fountain in Gym lobby by Womens RR Rm 96.11	2/9/17 5:10 AM	None Detected
0172-020917-DF-019-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain next to Mens RR (Rm 96.8) in Gym lobby	2/9/17 5:21 AM	None Detected
0172-020917-DF-019-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain next to Mens RR (Rm 96.8) in Gym lobby	2/9/17 5:22 AM	None Detected
0172-020917-DF-020-A	Initial Draw sample; Upper Middle wall mounted Elkay Drinking Fountain next to Mens RR (Rm 96.8) in Gym lobby	2/9/17 5:23 AM	None Detected
0172-020917-DF-020-B	Flush sample; Upper Middle wall mounted Elkay Drinking Fountain next to Mens RR (Rm 96.8) in Gym lobby	2/9/17 5:24 AM	None Detected

**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results**  
**Cedar Grove High School**  
 2360 River Road, Ellenwood, GA 30294



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0172-020917-DF-021-A	Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain next to Mens RR (Rm 96.8) in Gym lobby	2/9/17 5:25 AM	None Detected
0172-020917-DF-021-B	Flush sample; Lower Right wall mounted Elkay Drinking Fountain next to Mens RR (Rm 96.8) in Gym lobby	2/9/17 5:26 AM	None Detected
0172-020917-DF-022-A	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway across from Rm 201	2/9/17 5:29 AM	None Detected
0172-020917-DF-022-B	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway across from Rm 201	2/9/17 5:30 AM	None Detected
0172-020917-DF-023-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway across from Rm 201	2/9/17 5:31 AM	None Detected
0172-020917-DF-023-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway across from Rm 201	2/9/17 5:32 AM	None Detected
0172-020917-DF-024-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway to left of Rm 223	2/9/17 5:37 AM	None Detected
0172-020917-DF-024-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway to left of Rm 223	2/9/17 5:38 AM	None Detected
0172-020917-DF-025-A	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway to left of Rm 223	2/9/17 5:39 AM	None Detected
0172-020917-DF-025-B	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway to left of Rm 223	2/9/17 5:40 AM	None Detected
0172-020917-DF-026-A	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway around corner from math Rm 227	2/9/17 5:03 AM	None Detected
0172-020917-DF-026-B	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway around corner from math Rm 227	2/9/17 5:04 AM	None Detected
0172-020917-DF-027-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway around corner from math Rm 227	2/9/17 5:05 AM	None Detected
0172-020917-DF-027-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway around corner from math Rm 227	2/9/17 5:06 AM	None Detected

**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results**  
**Cedar Grove High School**  
 2360 River Road, Ellenwood, GA 30294



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0172-020917-DF-028-A	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in hallway across from locker room 4 & 5	2/9/17 5:29 AM	None Detected
0172-020917-DF-028-B	Flush sample; Single wall mounted Elkay Drinking Fountain in hallway across from locker room 4 & 5	2/9/17 5:30 AM	None Detected
0172-020917-DF-029-A	Initial Draw sample; Single wall mounted Elkay Drinking Fountain outside storage Rm 96.16	2/9/17 5:25 AM	None Detected
0172-020917-DF-029-B	Flush sample; Single wall mounted Elkay Drinking Fountain in hallway outside storage Rm 96.16	2/9/17 5:26 AM	None Detected
0172-020917-DF-030-A	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in hallway near Girl's LockerRoom/Rm 96.46 of Gym	2/9/17 5:45 AM	None Detected
0172-020917-DF-030-B	Flush sample; Single wall mounted Elkay Drinking Fountain in hallway near Girl's LockerRoom/Rm 96.46 of Gym	2/9/17 5:46 AM	None Detected
0172-020917-DF-031-A	Source Unit Does Not Exist	--	--
0172-020917-DF-031-B	Source Unit Does Not Exist	--	--
0172-020917-DF-032-A	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in hallway outside Music Rm 403	2/9/17 5:19 AM	1.72
0172-020917-DF-032-B	Flush sample; Single wall mounted Elkay Drinking Fountain in hallway outside Music Rm 403	2/9/17 5:20 AM	1.26
0172-020917-DF-033-A	Not Sampled; Single Drinking Fountain behind softball field; Inoperable	NS	NS
0172-020917-DF-033-B	Not Sampled; Single Drinking Fountain behind softball field; Inoperable	NS	NS
0172-020917-DF-033-A	Initial Draw sample; Single Drinking Fountain behind softball field. <b>Note, following receipt of sample results, DCSD capped the drinking fountain and it is no longer in use.</b>	10/31/17 5:54 AM	<b>32.5</b>
0172-020917-DF-033-B	Flush sample; Single Drinking Fountain behind softball field. <b>Note, following receipt of sample results, DCSD capped the drinking fountain and it is no longer in use.</b>	10/31/17 5:55 AM	<b>15.4</b>
0172-020917-RS-001-A	Initial Draw sample; Sampled far left sink in staff Womens RR across from Rm 326	2/9/17 5:22 AM	None Detected

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

**Cedar Grove High School**

2360 River Road, Ellenwood, GA 30294



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0172-020917-RS-001-B	Flush sample; Sampled far left sink in staff Womens RR across from Rm 326	2/9/17 5:23 AM	None Detected
0172-020917-RS-002-A	Initial Draw sample; Sampled far right sink in Mens RR/Rm 96.8 in Gym lobby	2/9/17 5:14 AM	None Detected
0172-020917-RS-002-B	Flush sample; Sampled far right sink in Mens RR/Rm 96.8 in Gym lobby	2/9/17 5:15 AM	None Detected
0172-020917-RS-003-A	Initial Draw sample; RR sink outside ROTC rooms	2/9/17 5:14 AM	None Detected
0172-020917-RS-003-B	Flush sample; RR sink outside ROTC rooms	2/9/17 5:15 AM	1.24
0172-020917-TL-001-A	Initial Draw sample; Sink in Teachers Lounge across from Rm 358	2/9/17 5:03 AM	None Detected
0172-020917-TL-001-B	Flush sample; Sink in Teachers Lounge across from Rm 358	2/9/17 5:04 AM	None Detected
0172-020917-TL-001-C	Flush Duplicate sample; Sink in Teachers Lounge across from Rm 358	2/9/17 5:05 AM	None Detected
0172-020917-CS-001-A	Initial Draw sample; Food Prep Sink at back of Kitchen; Dripping on arrival	2/9/17 4:55 AM	1.33
0172-020917-CS-001-B	Flush sample; Food Prep Sink at back of Kitchen; Dripping on arrival	2/9/17 4:56 AM	None Detected
0172-020917-CS-002-A	Initial Draw sample; Back left most sink in Rm 308; Sink dripping on arrival	2/9/17 5:38 AM	<b>167</b>
0172-020917-CS-002-B	Flush sample; Back left most sink in Rm 308; Sink dripping on arrival	2/9/17 5:39 AM	1.29
0172-103117-CS-002-A	Initial Draw sample; Retest Back left most sink in Rm 308	10/31/17 5:25 AM	13.1
0172-103117-CS-002-B	Flush sample; Retest Back left most sink in Rm 308	10/31/17 5:26 AM	1.06
0172-020917-CS-003-A	Initial Draw sample; Sink in back middle left of Rm 308; To right of CS-002	2/9/17 5:40 AM	14.2
0172-020917-CS-003-B	Flush sample; Sink in back middle left of Rm 308; To right of CS-002	2/9/17 5:41 AM	None Detected
0172-020917-CS-004-A	Initial Draw sample; Front middle left sink in Rm 308	2/9/17 5:51 AM	1.13
0172-020917-CS-004-B	Flush sample; Front middle left sink in Rm 308	2/9/17 5:52 AM	None Detected
0172-020917-CS-005-A	Initial Draw sample; Front middle right sink in Rm 308	2/9/17 5:43 AM	None Detected
0172-020917-CS-005-B	Flush sample; Front middle right sink in Rm 308	2/9/17 5:44 AM	None Detected
0172-020917-CS-006-A	Initial Draw sample; Back middle right sink in Rm 308	2/9/17 5:48 AM	1.26
0172-020917-CS-006-B	Flush sample; Back middle right sink in Rm 308	2/9/17 5:49 AM	None Detected
0172-020917-CS-007-A	Initial Draw sample; Back right sink in Rm 308	2/9/17 5:51 AM	3.47
0172-020917-CS-007-B	Flush sample; Back right sink in Rm 308	2/9/17 5:52 AM	2.20
0172-020917-CS-008-A	Not Sampled; Inoperable; Rm 308, Back far right sink immediately adjacent to washer and dryer	NS	NS
0172-020917-CS-008-B	Not Sampled; Inoperable; Rm 308, Back far right sink immediately adjacent to washer and dryer	NS	NS

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

**Cedar Grove High School**

2360 River Road, Ellenwood, GA 30294



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
0172-103117-CS-008-A	Initial Draw sample; Rm 308, Back far right sink immediately adjacent to washer and dryer	10/31/17 5:27 AM	4.88
0172-103117-CS-008-B	Flush sample; Rm 308, Back far right sink immediately adjacent to washer and dryer	10/31/17 5:28 AM	None Detected
0172-020917-CS-009-A	Initial Draw sample; Front right sink in Rm 308	2/9/17 6:01 AM	None Detected
0172-020917-CS-009-B	Flush sample; Front right sink in Rm 308	2/9/17 6:02 AM	None Detected
0172-020917-IM-001-A	Scotsman Prodigy Ice Machine near dishpit in Kitchen	2/9/17 4:57 AM	None Detected
0172-020917-IM-002-A	Only Ice-O-Matic Ice Machine in training room	2/9/17 5:34 AM	None Detected
0172-020917-OT-001-A	Initial Draw sample; Sampled from spigot on wall in training room	2/9/17 5:37 AM	None Detected
0172-020917-OT-001-B	Flush sample; Sampled from spigot on wall in training room	2/9/17 5:39 AM	None Detected
0172-020917-OT-001-C	Initial Draw Duplicate sample; Sampled from spigot on wall in training room	2/9/17 5:38 AM	None Detected
0172-020917-AF-001-A	Not Sampled; Spigot in ground on field by track; No hose attached; Submerged under water	NS	NS
0172-020917-AF-001-B	Not Sampled; Spigot in ground on field by track; No hose attached; Submerged under water	NS	NS
0172-103117-AF-001-A	Initial Draw sample; Spigot in ground on field by track and football field	10/31/17 5:45 AM	8.62
0172-103117-AF-001-B	Flush sample; Spigot in ground on field by track and football field	10/31/17 5:46 AM	None Detected
0172-020917-SC-001-A	Service connection entry into building	2/9/17 4:51 AM	2.22

**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 Sample Locations were previously identified by DCSD; however upon arrival to collect samples, source was not located

NS-Not Sampled; Source unit was inoperable during initial testing on 2/9/17

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

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

FACILITY NAME: CEDAR GROVE HIGH FACILITY  
 ADDRESS: 2360 River Road Ellenwood, GA, 30294

FACILITY ID: 0172

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
2/9/17	0521	0172 - 020917 - DF-019-A	ENRICHMENT MENS RR 96.8	In room Hallway	lower left ELKAY wm DF	A7
2/9/17	0522	0172 - 020917 - DF-019-B	"	In room Hallway	"	A7
2/9/17	0523	0172 - 020917 - DF-020-A	"	In room Hallway	upper middle ELKAY wm DF	A7
2/9/17	0524	0172 - 020917 - DF-020-B	"	In room Hallway	"	A7
2/9/17	0525	0172 - 020917 - DF-021-A	"	In room Hallway	lower right ELKAY wm DF	A7
2/9/17	0526	0172 - 020917 - DF-021-B	<del>across</del> "	In room Hallway	"	A7
2/9/17	0529	0172 - 020917 - DF-022-A	ACROSS from RM 201	In room Hallway	upper right ELKAY wm DF	A7
2/9/17	0530	0172 - 020917 - DF-022-B	"	In room Hallway	"	A7
2/9/17	0531	0172 - 020917 - DF-023-A	"	In room Hallway	lower left ELKAY wm DF	A7
2/9/17	0532	0172 - 020917 - DF-023-B	"	In room Hallway	"	A7

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: CEDAR GROVE HIGH FACILITY  
 ADDRESS: 2360 River Road Ellenwood, GA, 30294

FACILITY ID: 0172

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
2/9/17	0537	0172 - 020917 - DF-024-A	left of RM 223	In room Hallway	Lower left ELKAY w/w DF	A7
2/9/17	0538	0172 - 020917 - DF-024-B	"	In room Hallway	"	A7
2/9/17	0539	0172 - 020917 - DF-025-A	"	In room Hallway	Upper right ELKAY w/w DF	A7
2/9/17	0540	0172 - 020917 - DF-025-B	"	In room Hallway	"	A7
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		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: CEDAR GROVE HIGH FACILITY  
 ADDRESS: 2360 River Road Ellenwood, GA, 30294

FACILITY ID: 0172

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
2/9/17	0525	0172 - 020917 - DF-029-A	Outside of Storage Rm 916.16	In room <u>Hallway</u>	Single Elkay DF-WM	KTW
2/9/17	0526	0172 - 020917 - DF-029-B	" "	In room <u>Hallway</u>	SAA	KTW
2/9/17	0529	0172 - 020917 - DF-028-A	across hall from water room 405	In room <u>Hallway</u>	Single Elkay DF-WM	KTW
2/9/17	0530	0172 - 020917 - DF-028-B	" "	In room <u>Hallway</u>	SAA	KTW
2/9/17	0534	0172 - 020917 - IM-002-A	Training room	<u>In room</u> Hallway	Ice-o-matic IM - only one in training room	KTW
2/9/17		0172 - 020917 -		<u>In room</u> Hallway		
2/9/17	0537	0172 - 020917 - OT-001-A		<u>In room</u> Hallway	Spigot on wall	KTW
2/9/17	0539	0172 - 020917 - OT-001-B		<u>In room</u> Hallway	SAA	KTW
2/9/17	0538	0172 - 020917 - OT-001-C		<u>In room</u> Hallway	SAA initial dup.	KTW
2/9/17		0172 - 020917 -		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  
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 ADDRESS: 2360 River Road Ellenwood, GA, 30294

FACILITY ID: 0172

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
2/9/17	0512	0172 - 020917 - DF-010-A	across from 301	In room Hallway	lower left Elkay urn	4
2/9/17	0513	0172 - 020917 - DF-010-B	↓	In room Hallway	" "	4
2/9/17	0514	0172 - 020917 - DF-011-A	↓	In room Hallway	upper right Elkay urn	4
2/9/17	0515	0172 - 020917 - DF-011-B	↓	In room Hallway	" "	4
2/9/17	0518	0172 - 020917 - DF-014-A	Near Rm 327 &	In room Hallway	lower left Elkay urn	4
2/9/17	0519	0172 - 020917 - DF-014-B	Janitor closet	In room Hallway	" "	4
2/9/17	0520	0172 - 020917 - DF-015-A	↓	In room Hallway	upper right Elkay urn	4
2/9/17	0521	0172 - 020917 - DF-015-B	↓	In room Hallway	" "	4
2/9/17	0522	0172 - 020917 - RS-001-A	across from 326	In room Hallway	far left sink in staff women's RR	4
2/9/17	0523	0172 - 020917 - RS-001-B	↓	In room Hallway	" "	4

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  
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FACILITY ID: 0172

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential # Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
2/9/17	0453	0172 - 020917 - DF-003-A	across from admin office	In room Hallway	lower left Elkay w/m	41
2/9/17	0454	0172 - 020917 - DF-003-B	+ main entrance	In room Hallway	" "	44
2/9/17	0455	0172 - 020917 - DF-004-A		In room Hallway	upper middle Elkay w/m	44
2/9/17	0456	0172 - 020917 - DF-004-B		In room Hallway	" "	44
2/9/17	0457	0172 - 020917 - DF-005-A		In room Hallway	lower right Elkay w/m	44
2/9/17	0458	0172 - 020917 - DF-005-B	▼	In room Hallway	" "	44
2/9/17	0503	0172 - 020917 - TL-001-A	across from Rm 358	In room Hallway	Sink in teacher's lounge	44
2/9/17	0504	0172 - 020917 - TL-001-B		In room Hallway	" "	44
2/9/17	0505	0172 - 020917 - TL-001-C	▼	In room Hallway	" " flush dup	44
2/9/17		0172 - 020917 -		In room Hallway		44

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

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FACILITY ID: 0172

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
2/9/17	0455	0172 - 020917 - CS-001-A	Kitchen	In room Hallway	Food prep sink at back of kitchen	CF
2/9/17	0456	0172 - 020917 - CS-001-B	"	In room Hallway	sink dripping on arrival	CF
2/9/17	0457	0172 - 020917 - IM-001-A	"	In room Hallway	Scotsman Prodigy ice machine near dishpit	CF
2/9/17	0504	0172 - 020917 - DF-001-A	Cafeteria	In room Hallway	Left Elkay DF near Kitchen Entrance; WM	CF
2/9/17	0505	0172 - 020917 - DF-001-B	"	In room Hallway		CF
2/9/17	0506	0172 - 020917 - DF-002-A	"	In room Hallway	Right Elkay DF, near Kitchen Entrance; WM	CF
2/9/17	0507	0172 - 020917 - DF-002-B	"	In room Hallway		CF
2/9/17	0515	0172 - 020917 - DF-006-A	Across from 351	In room Hallway	Left most Elkay; WM	CF
2/9/17	0516	0172 - 020917 - DF-006-B	"	In room Hallway		CF
2/9/17		0172 - 020917 -		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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 ADDRESS: 2360 River Road Ellenwood, GA, 30294

FACILITY ID: 0172

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
2/9/17	0503	0172 - 020917 - DF-026-A	around corner from math rm 227	In room <u>Hallway</u>	Upper right EIKay DF - WM	KTW
2/9/17	0504	0172 - 020917 - DF-026-B	↓	In room <u>Hallway</u>	SAA	KTW
2/9/17	0505	0172 - 020917 - DF-027-A		In room <u>Hallway</u>	Lower left EIKay DF - WM	KTW
2/9/17	0506	0172 - 020917 - DF-027-B		In room <u>Hallway</u>	SAA	KTW
2/9/17	0514	0172 - 020917 - RS-003-A		RR outside of ROTC rooms	<u>In room</u> Hallway	Restroom sink
2/9/17	0515	0172 - 020917 - RS-003-B	" "	<u>In room</u> Hallway	SAA	KTW
2/9/17	0519	0172 - 020917 - DF-032-A	outside of music Rm 403	In room <u>Hallway</u>	Single DF - EIKay WM	KTW
2/9/17	0520	0172 - 020917 - DF-032-B	" "	In room <u>Hallway</u>	SAA	KTW
2/9/17	0545	0172 - 020917 - DF-030-A	only DF in girls RR	In room <u>Hallway</u>	Single EIKay DF - WM	KTW
2/9/17	0546	0172 - 020917 - DF-030-B	" "	In room <u>Hallway</u>	SAA	KTW

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

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

FACILITY NAME: CEDAR GROVE HIGH FACILITY  
 ADDRESS: 2360 River Road Ellenwood, GA, 30294

FACILITY ID: 0172

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
2/9/17	0451	0172 - 020917 - SC-001-A	Outside	In room Hallway	Outside main entrance on wall	A7
2/9/17	0505	0172 - 020917 - DF-016-A	Gym Lobby Womens RR 96.11	In room Hallway	Lower left Elkay Wm DF	A7
2/9/17	0506	0172 - 020917 - DF-016-B	"	In room Hallway	"	A7
2/9/17	0507	0172 - 020917 - DF-017-A	"	In room Hallway	Upper middle Elkay Wm DF	A7
2/9/17	0508	0172 - 020917 - DF-017-B	"	In room Hallway	"	A7
2/9/17	0509	0172 - 020917 - DF-018-A	"	In room Hallway	Lower right Elkay Wm DF	A7
2/9/17	0510	0172 - 020917 - DF-018-B	"	In room Hallway	"	A7
2/9/17	0514	0172 - 020917 - RS-002-A	Gym Lobby MENS RR 96.8	In room Hallway	Sampled Far right SINK	A7
2/9/17	0515	0172 - 020917 - RS-002-B	"	In room Hallway	"	A7
2/9/17		0172 - 020917 -		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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DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
2/9/17	NS	0172 - 020917 - DF-033-A	Outside behind softball field	In room Hallway	Single DF behind Softball field, inoperable	A
2/9/17	NS	0172 - 020917 - DF-033-B	"	In room Hallway	"	A
2/9/17	NS	0172 - 020917 - AF-001-A	by track	In room Hallway	Spot in ground on field Not sampled; no hose attached and	A
2/9/17	NS	0172 - 020917 - AF-001-B	"	In room Hallway	Submerged under water "	A
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		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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LEAD IN DRINKING WATER FIELD DATA SHEET**

FACILITY NAME: CEDAR GROVE HIGH FACILITY  
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FACILITY ID: 0172

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
2/9/17	0529	0172 - 020917 - DF-012-A	left of Rm 323	In room Hallway	Lower Left Elkay WM	44
2/9/17	0530	0172 - 020917 - DF-012-B	↓	In room Hallway	" "	44
2/9/17	0531	0172 - 020917 - DF-013-A		In room Hallway	Upper Right Elkay WM	44
2/9/17	0532	0172 - 020917 - DF-013-B		In room Hallway	" "	44
2/9/17	0543	0172 - 020917 - CS-005-A		Rm 308	In room Hallway	front middle Right sink
2/9/17	0544	0172 - 020917 - CS-005-B	↓	In room Hallway	" "	44
2/9/17	0548	0172 - 020917 - CS-006-A		In room Hallway	Back middle Right Sink	44
2/9/17	0549	0172 - 020917 - CS-006-B		In room Hallway	" "	44
2/9/17	0551	0172 - 020917 - CS-007-A		In room Hallway	Back Right sink,	44
2/9/17	0552	0172 - 020917 - CS-007-B	↓	In room Hallway	" "	44

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: CEDAR GROVE HIGH FACILITY  
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FACILITY ID: 0172

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
2/9/17		0172 - 020917 - CS-008 - A	308	<del>In room</del> Hallway	back far right sink immediately adjacent to washer and dryer	
2/9/17		0172 - 020917 - CS-008 - B	308	<del>In room</del> Hallway	<u>Inoperable!!</u>	
2/9/17	0601	0172 - 020917 - CS-009 - A	308	<del>In room</del> Hallway	Front right sink	KTW
2/9/17	0602	0172 - 020917 - CS-009 - B	308	<del>In room</del> Hallway	SAA	KTW
2/9/17		0172 - 020917 - DF-031 - A		In room Hallway	Does not exist	
2/9/17		0172 - 020917 - DF-031 - B		In room Hallway	Does not exist	
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		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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2/9/17	0551	0172 - 020917 - CS-004-A	308	In room Hallway	Front middle left	CS
2/9/17	0552	0172 - 020917 - CS-004-B		In room Hallway		CS
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		In room Hallway		
2/9/17		0172 - 020917 -		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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DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
2/9/17	0517	0172 - 020917 - DF-007-A	Across from 351	In room Hallway	Center Elkay wM	ef
2/9/17	0518	0172 - 020917 - DF-007-B	"	In room Hallway	"	↓
2/9/17	0519	0172 - 020917 - DF-008-A	"	In room Hallway	Right most Elkay; wM	
2/9/17	0520	0172 - 020917 - DF-008-B	"	In room Hallway	"	
2/9/17	0527	0172 - 020917 - DF-009-A	304	In room Hallway	Halsey-Taylor to the right of the door; wM	
2/9/17	0528	0172 - 020917 - DF-009-B	"	In room Hallway	Flush sample very turbid and orange colored	
2/9/17	0538	0172 - 020917 - CS-002-A	308	In room Hallway	Back left most sink. Faucet dripping on arrival	
2/9/17	0539	0172 - 020917 - CS-002-B	"	In room Hallway	"	
2/9/17	0540	0172 - 020917 - CS-003-A	"	In room Hallway	Sink in back middle left. To the right of CS-002	
2/9/17	0541	0172 - 020917 - CS-003-B	"	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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DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/31/17	0525	0172 - 103117 - CS-002-A	308	In room Hallway	back left sink on opposite wall from door	A1
10/31/17	0526	0172 - 103117 - CS-002-B	"	In room Hallway	"	A1
10/31/17	0527	0172 - 103117 - CS-008-A	"	In room Hallway	only sink on right wall to left of washer & dryer	A1
10/31/17	0528	0172 - 103117 - CS-008-B	"	In room Hallway	"	A1
10/31/17	0532	0172 - 103117 - DF-009-A	304	In room Hallway	single Elkay w/m DF directly to left after entering room	A1
10/31/17	0533	0172 - 103117 - DF-009-B	"	In room Hallway	"	A1
10/31/17	0545	0172 - 103117 - AF-001-A	outside by football field	In room Hallway	SP104 in ground beside football field	A1
10/31/17	0546	0172 - 103117 - AF--001-B	"	In room Hallway	"	A1
10/31/17	0554	0172 - 103117 - DF-033-A	behind softball field	In room Hallway	outside fence behind home plate	A1
10/31/17	0555	0172 - 103117 - DF-033-B	"	In room Hallway	"	A1

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

---

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

## Leona Miles

---

**From:** NoReply@aesatlanta.net  
**Sent:** Thursday, February 23, 2017 4:20 PM  
**To:** leona-miles@aem-net.com; tim-royer@aem-net.com  
**Subject:** DCSD - 0172  
**Attachments:** 1702650\_REPORT.pdf; 1702650Invoice.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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February 23, 2017

Leona Miles  
Atlanta Environmental Mgmt  
2580 NE Expressway  
Atlanta GA 30345

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

RE: DCSD - 0172

Dear Leona Miles:

Order No: 1702650

Analytical Environmental Services, Inc. received 93 samples on 2/9/2017 9:16:00 AM for the analyses presented in following report.

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

AES's accreditations are as follows:

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

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: 1702650

Date: 2/9/17 Page 1 of 2

COMPANY: <b>Atlanta Environmental Management, Inc</b>		ADDRESS: <b>2580 Northeast Expressway, NE Atlanta, GA 30345</b>			ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No # of Containers							
PHONE: (404) 329-9006		FAX: (404) 329-2057			Total Pb Method 200.8																			
SAMPLED BY: <u>Andy Jensen</u>		SIGNATURE: <u>[Signature]</u>			PRESERVATION (See codes)										REMARKS									
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	I																	
		DATE	TIME																					
1	0172-020917-DF-001-A	2/9/2017	0504	X		DW	X																	
2	0172-020917-DF-001-B	2/9/2017	0505	X		DW	X																	
3	0172-020917-DF-002-A	2/9/2017	0506	X		DW	X																	
4	0172-020917-DF-002-B	2/9/2017	0507	X		DW	X																	
5	0172-020917-DF-003-A	2/9/2017	0453	X		DW	X																	
6	0172-020917-DF-003-B	2/9/2017	0454	X		DW	X																	
7	0172-020917-DF-004-A	2/9/2017	0455	X		DW	X																	
8	0172-020917-DF-004-B	2/9/2017	0456	X		DW	X																	
9	0172-020917-DF-005-A	2/9/2017	0457	X		DW	X																	
10	0172-020917-DF-005-B	2/9/2017	0458	X		DW	X																	
11	0172-020917-DF-006-A	2/9/2017	0515	X		DW	X																	
12	0172-020917-DF-006-B	2/9/2017	0516	X		DW	X																	
13	0172-020917-DF-007-A	2/9/2017	0517	X		DW	X																	
14	0172-020917-DF-007-B	2/9/2017	0518	X		DW	X																	
15	0172-020917-DF-008-A	2/9/2017	0519	X		DW	X																	
RELINQUISHED BY		DATE/TIME		DATE/TIME		PROJECT INFORMATION										RECEIPT								
1: <u>[Signature]</u>		2/9/17 0916		17: <u>[Signature]</u>		PROJECT NAME: <b>DCSD</b>										Total # of Containers								
2:		2:		2:		PROJECT #: <b>1561-1601</b>										<input type="radio"/> Turnaround Time Request <input type="radio"/> Standard 5 Business Days <input type="radio"/> 2 Business Day Rush <input type="radio"/> Next Business Day Rush <input type="radio"/> Same Day Rush (auth req.) <input checked="" type="radio"/> Other: 10 business Days								
3:		3:		3:		SITE ADDRESS: <b>172</b>																		
						SEND REPORT TO: <b>Leona Miles and Tim Royer</b>										STATE PROGRAM (if any): _____								
SPECIAL INSTRUCTIONS/COMMENTS: Preserve at the Lab per protocol				SHIPMENT METHOD OUT / / VIA: IN <input checked="" type="radio"/> CLIENT / / VIA: <input type="radio"/> FedEx <input type="radio"/> UPS <input type="radio"/> MAIL <input type="radio"/> COURIER <input type="radio"/> GREYHOUND <input type="radio"/> OTHER _____		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								
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 (BlanDF) 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: 1722650

Date: 2/9/17 Page 2 of 2

COMPANY: <b>Atlanta Environmental Management, Inc</b>		ADDRESS: <b>2580 Northeast Expressway, NE Atlanta, GA 30345</b>				ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No # of Containers				
PHONE: (404) 329-9006		FAX: (404) 329-2057				Total Pb Method 200.8  PRESERVATION (See codes)																
SAMPLED BY: <i>Andy Jensen</i>		SIGNATURE: <i>A Jensen</i>														REMARKS						
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)										REMARKS					
		DATE	TIME				I															
1	0172-020917-DF-008-B	2/9/2017	0520	X		DW	X															
2	0172-020917-DF-009-A	2/9/2017	0527	X		DW	X															
3	0172-020917-DF-009-B	2/9/2017	0528	X		DW	X															
4	0172-020917-DF-010-A	2/9/2017	0512	X		DW	X															
5	0172-020917-DF-010-B	2/9/2017	0513	X		DW	X															
6	0172-020917-DF-011-A	2/9/2017	0514	X		DW	X															
7	0172-020917-DF-011-B	2/9/2017	0515	X		DW	X															
8	0172-020917-DF-012-A	2/9/2017	0529	X		DW	X															
9	0172-020917-DF-012-B	2/9/2017	0530	X		DW	X															
10	0172-020917-DF-013-A	2/9/2017	0531	X		DW	X															
11	0172-020917-DF-013-B	2/9/2017	0532	X		DW	X															
12	0172-020917-DF-014-A	2/9/2017	0518	X		DW	X															
13	0172-020917-DF-014-B	2/9/2017	0519	X		DW	X															
14	0172-020917-DF-015-A	2/9/2017	0520	X		DW	X															
15	0172-020917-DF-015-B	2/9/2017	0521	X		DW	X															
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION										RECEIPT				
1: <i>A Jensen</i>		2/9/17 0916		2: <i>Tim Royer</i>		2/9/17 916		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				
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD				SITE ADDRESS: <b>172</b>														
Preserve at the Lab per protocol				OUT / / VIA:				SEND REPORT TO: <b>Leona Miles and Tim Royer</b>										STATE PROGRAM (if any): _____ E-mail? Y / N; Fax? Y / N DATA PACKAGE: I II III IV				
				IN / / VIA:				INVOICE TO: (IF DIFFERENT FROM ABOVE)  leona-miles@aem-net.com; tim-royer@aem-net.com														
				CLIENT FedEx UPS MAIL COURIER				QUOTE #: _____ PO#: _____														
				GREYHOUND OTHER _____																		

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 (BlanDF) 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



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**CHAIN OF CUSTODY**

Work Order: 1702050

Date: \_\_\_\_\_ Page 3 of 7

<b>COMPANY:</b> Atlanta Environmental Management, Inc		<b>ADDRESS:</b> 2580 Northeast Expressway, NE Atlanta, GA 30345				<b>ANALYSIS REQUESTED</b>								Visit our website <u><a href="http://www.aesatlanta.com">www.aesatlanta.com</a></u> to check on the status of your results, place bottle orders, etc.	No # of Containers																
<b>PHONE:</b> (404) 329-9006		<b>FAX:</b> (404) 329-2057				Total Pb Method 200.8	<table border="1" style="width:100%; height: 20px;"> <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></tr> </table>																								
<b>SAMPLED BY:</b> <u>Andy Jensen</u>		<b>SIGNATURE:</b> <u>[Signature]</u>				<b>PRESERVATION (See codes)</b>																									
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	I									REMARKS															
		DATE	TIME																												
1	0172-020917-DF-016-A	2/9/2017	0505	X		DW	X																								
2	0172-020917-DF-016-B	2/9/2017	0506	X		DW	X																								
3	0172-020917-DF-017-A	2/9/2017	0507	X		DW	X																								
4	0172-020917-DF-017-B	2/9/2017	0508	X		DW	X																								
5	0172-020917-DF-018-A	2/9/2017	0509	X		DW	X																								
6	0172-020917-DF-018-B	2/9/2017	0510	X		DW	X																								
7	0172-020917-DF-019-A	2/9/2017	0521	X		DW	X																								
8	0172-020917-DF-019-B	2/9/2017	0522	X		DW	X																								
9	0172-020917-DF-020-A	2/9/2017	0523	X		DW	X																								
10	0172-020917-DF-020-B	2/9/2017	0524	X		DW	X																								
11	0172-020917-DF-021-A	2/9/2017	0525	X		DW	X																								
12	0172-020917-DF-021-B	2/9/2017	0526	X		DW	X																								
13	0172-020917-DF-022-A	2/9/2017	0529	X		DW	X																								
14	0172-020917-DF-022-B	2/9/2017	0530	X		DW	X																								
15	0172-020917-DF-023-A	2/9/2017	0531	X		DW	X																								

<b>RELINQUISHED BY:</b> 1: <u>[Signature]</u> 2/9/17 0916	<b>DATE/TIME:</b>	<b>RECEIVED BY:</b> 1: <u>[Signature]</u> 2/9/17 916	<b>DATE/TIME:</b>	<b>PROJECT INFORMATION</b>				<b>RECEIPT</b>			
2: _____		2: _____		<b>PROJECT NAME:</b> DCSD	<b>Total # of Containers</b>						
3: _____		3: _____		<b>PROJECT #:</b> 1561-1601	<input type="radio"/> Turnaround Time Request						
SPECIAL INSTRUCTIONS/COMMENTS: Preserve at the Lab per protocol		SHIPMENT METHOD: OUT / / VIA: IN / / VIA: CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER _____		<b>SITE ADDRESS:</b> 172	<input type="radio"/> Standard 5 Business Days						
				<b>SEND REPORT TO:</b> Leona Miles and Tim Royer	<input type="radio"/> 2 Business Day Rush						
				<b>INVOICE TO:</b> (IF DIFFERENT FROM ABOVE)  leona-miles@aem-net.com; tim-royer@aem-net.com	<input type="radio"/> Next Business Day Rush						
				<b>QUOTE #:</b> _____ <b>PO#:</b> _____	<input type="radio"/> Same Day Rush (auth req.)						
					<input type="radio"/> Other: 10 business Days						
					<b>STATE PROGRAM (if any):</b> _____						
					<b>E-mail? Y / N;</b> _____ <b>Fax? Y / N</b> _____						
					<b>DATA PACKAGE:</b> 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.**  
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**CHAIN OF CUSTODY**

Work Order: 1702650

Date: 2/9/17 Page 4 of 7

COMPANY: <b>Atlanta Environmental Management, Inc</b>		ADDRESS: <b>2580 Northeast Expressway, NE Atlanta, GA 30345</b>		ANALYSIS REQUESTED							Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No # of Containers						
PHONE: (404) 329-9006		FAX: (404) 329-2057		Total Pb Method 200.8							REMARKS								
SAMPLED BY: <i>Andy Jensen</i>		SIGNATURE: <i>A Jensen</i>		PRESERVATION (See codes)															
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)													
1	0172-020917-DF-023-B	2/9/2017	0532	X		DW	X												
2	0172-020917-DF-024-A	2/9/2017	0537	X		DW	X												
3	0172-020917-DF-024-B	2/9/2017	0538	X		DW	X												
4	0172-020917-DF-025-A	2/9/2017	0539	X		DW	X												
5	0172-020917-DF-025-B	2/9/2017	0540	X		DW	X												
6	0172-020917-DF-026-A	2/9/2017	0503	X		DW	X												
7	0172-020917-DF-026-B	2/9/2017	0504	X		DW	X												
8	0172-020917-DF-027-A	2/9/2017	0505	X		DW	X												
9	0172-020917-DF-027-B	2/9/2017	0506	X		DW	X												
10	0172-020917-DF-028-A	2/9/2017	0529	X		DW	X												
11	0172-020917-DF-028-B	2/9/2017	0530	X		DW	X												
12	0172-020917-DF-029-A	2/9/2017	0525	X		DW	X												
13	0172-020917-DF-029-B	2/9/2017	0526	X		DW	X												
14	0172-020917-DF-030-A	2/9/2017	0545	X		DW	X												
15	0172-020917-DF-030-B	2/9/2017	0546	X		DW	X												

RELINQUISHED BY 1: <i>A Jensen</i>	DATE/TIME 2/9/17 0916	RECEIVED BY 2: <i>Tanya S...</i>	DATE/TIME 2/9/17 916	PROJECT NAME: <b>DCSD</b>	RECEIPT 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
SPECIAL INSTRUCTIONS/COMMENTS: Preserve at the Lab per protocol				SITE ADDRESS: <b>172</b>	
SHIPMENT METHOD OUT / / VIA: IN / / VIA: <input checked="" type="radio"/> CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER _____				SEND REPORT TO: <b>Leona Miles and Tim Royer</b>	
				INVOICE TO: (IF DIFFERENT FROM ABOVE) <b>leona-miles@aem-net.com; tim-royer@aem-net.com</b>	STATE PROGRAM (if any): _____
				QUOTE #: _____ PO#: _____	E-mail? Y/N; Fax? Y/N
					DATA PACKAGE: I II III IV



COMPANY: <b>Atlanta Environmental Management, Inc</b>		ADDRESS: <b>2580 Northeast Expressway, NE Atlanta, GA 30345</b>				ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No # of Containers																																																													
PHONE: <b>(404) 329-9006</b>		FAX: <b>(404) 329-2057</b>				<table border="1"> <tr> <td>Total Pb Method 200.8</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td colspan="20">PRESERVATION (See codes)</td> </tr> <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><td></td> </tr> </table>										Total Pb Method 200.8																						PRESERVATION (See codes)																																									REMARKS
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PRESERVATION (See codes)																																																																															
SAMPLED BY: <i>Andy Jensen</i>		SIGNATURE: <i>Miles</i>																																																																													
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)	I																																																																								
1	<del>0172-020917-DF-031-A</del>	<del>2/9/2017</del>		X		DW																																																																									
2	<del>0172-020917-DF-031-B</del>	<del>2/9/2017</del>		X		DW																																																																									
3	0172-020917-DF-032-A	2/9/2017	0519	X		DW	X																																																																								
4	0172-020917-DF-032-B	2/9/2017	0520	X		DW	X																																																																								
5	<del>0172-020917-DF-033-A</del>	<del>2/9/2017</del>		X		DW																																																																									
6	<del>0172-020917-DF-033-B</del>	<del>2/9/2017</del>		X		DW																																																																									
7	0172-020917-RS-001-A	2/9/2017	0522	X		DW	X																																																																								
8	0172-020917-RS-001-B	2/9/2017	0523	X		DW	X																																																																								
9	0172-020917-RS-002-A	2/9/2017	0514	X		DW	X																																																																								
10	0172-020917-RS-002-B	2/9/2017	0515	X		DW	X																																																																								
11	0172-020917-RS-003-A	2/9/2017	0514	X		DW	X																																																																								
12	0172-020917-RS-003-B	2/9/2017	0515	X		DW	X																																																																								
13	0172-020917-TL-001-A	2/9/2017	0503	X		DW	X																																																																								
14	0172-020917-TL-001-B	2/9/2017	0504	X		DW	X																																																																								
15	0172-020917-TL-001-C	2/9/2017	0505	X		DW	X																																																																								
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION										RECEIPT																																																													
1: <i>Miles</i>		2/9/17 0916		1: <i>Tim Royer</i>		2/9/17 916		PROJECT NAME: <b>DCSD</b>										Total # of Containers																																																													
2:				2:				PROJECT #: <b>1561-1601</b>										Turnaround Time Request																																																													
3:				3:				SITE ADDRESS: <b>172</b>										<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																																																													
SPECIAL INSTRUCTIONS/COMMENTS: Preserve at the Lab per protocol				SHIPMENT METHOD				SEND REPORT TO: <b>Leona Miles and Tim Royer</b>										STATE PROGRAM (if any):																																																													
				OUT / / VIA:				INVOICE TO: (IF DIFFERENT FROM ABOVE)										E-mail? Y/N; Fax? Y/N																																																													
				IN <u>CLIENT</u> FedEx UPS MAIL COURIER				leona-miles@aem-net.com; tim-royer@aem-net.com										DATA PACKAGE: I II III IV																																																													
				GREYHOUND OTHER				QUOTE #: PO#:																																																																							

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## CHAIN OF CUSTODY

Work Order: 172450Date: \_\_\_\_\_ Page 6 of 7

COMPANY:		ADDRESS:					ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.	No # of Containers																																																																
Atlanta Environmental Management, Inc		2580 Northeast Expressway, NE Atlanta, GA 30345					<table border="1"> <tr> <td rowspan="2">Total Pb Method 200.8</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td colspan="23">PRESERVATION (See codes)</td> </tr> <tr> <td colspan="2"></td> <td colspan="5"></td> <td colspan="10">REMARKS</td> <td></td> </tr> </table>										Total Pb Method 200.8																									PRESERVATION (See codes)																														REMARKS										
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(404) 329-9006		(404) 329-2057																																																																																
SAMPLED BY:		SIGNATURE:																																																																																
Andy Jensen		[Signature]																																																																																
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)											REMARKS																																																																	
		DATE	TIME																																																																															
1	0172-020917-CS-001-A	2/9/2017	0455	X		DW	X																																																																											
2	0172-020917-CS-001-B	2/9/2017	0456	X		DW	X																																																																											
3	0172-020917-CS-002-A	2/9/2017	0538	X		DW	X																																																																											
4	0172-020917-CS-002-B	2/9/2017	0539	X		DW	X																																																																											
5	0172-020917-CS-003-A	2/9/2017	0540	X		DW	X																																																																											
6	0172-020917-CS-003-B	2/9/2017	0541	X		DW	X																																																																											
7	0172-020917-CS-004-A	2/9/2017	0551	X		DW	X																																																																											
8	0172-020917-CS-004-B	2/9/2017	0552	X		DW	X																																																																											
9	0172-020917-CS-005-A	2/9/2017	0543	X		DW	X																																																																											
10	0172-020917-CS-005-B	2/9/2017	0544	X		DW	X																																																																											
11	0172-020917-CS-006-A	2/9/2017	0548	X		DW	X																																																																											
12	0172-020917-CS-006-B	2/9/2017	0549	X		DW	X																																																																											
13	0172-020917-CS-007-A	2/9/2017	0551	X		DW	X																																																																											
14	0172-020917-CS-007-B	2/9/2017	0552	X		DW	X																																																																											
15	0172-020917-CS-008-A	2/9/2017		X		DW																			Not sampled																																																									
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION										RECEIPT																																																																
1: [Signature]		2/9/17 0916		2: [Signature]		2/11/17 914		PROJECT NAME: DCSD										Total # of Containers																																																																
3:				3:				PROJECT #: 1561-1601										Turnaround Time Request																																																																
								SITE ADDRESS: 172										<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																																																																
								SEND REPORT TO: Leona Miles and Tim Royer																																																																										
								INVOICE TO: (IF DIFFERENT FROM ABOVE) leona-miles@aem-net.com; tim-royer@aem-net.com										STATE PROGRAM (if any):																																																																
SPECIAL INSTRUCTIONS/COMMENTS: Preserve at the Lab per protocol				SHIPMENT METHOD OUT / / VIA: IN / / VIA: CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER				QUOTE #: _____ PO#: _____										E-mail? Y/N; Fax? Y/N DATA PACKAGE: I II III IV																																																																

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

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

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

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



**ANALYTICAL ENVIRONMENTAL SERVICES, INC**  
 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: 1402650

Date: 2/9/17 Page 7 of 7

COMPANY: <b>Atlanta Environmental Management, Inc</b>		ADDRESS: <b>2580 Northeast Expressway, NE Atlanta, GA 30345</b>				ANALYSIS REQUESTED											Visit our website <b><a href="http://www.aesatlanta.com">www.aesatlanta.com</a></b> to check on the status of your results, place bottle orders, etc.		No # of Containers						
PHONE: (404) 329-9006		FAX: (404) 329-2057				Total Pb Method 200.8	PRESERVATION (See codes)											REMARKS							
SAMPLED BY: <i>Andy Jensen</i>		SIGNATURE: <i>Meisen</i>					I																		
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)																			
		DATE	TIME																						
1	<del>0172-020917-CS-008-B</del>	2/9/2017		X		DW																		Not Sampled	1
2	0172-020917-CS-009-A	2/9/2017	0601	X		DW	X																		1
3	0172-020917-CS-009-B	2/9/2017	0602	X		DW	X																		1
4	0172-020917-IM-001-A	2/9/2017	0457	X		DW	X																		1
5	0172-020917-IM-002-A	2/9/2017	0534	X		DW	X																		1
6	0172-020917-OT-001-A	2/9/2017	0537	X		DW	X																		1
7	0172-020917-OT-001-B	2/9/2017	0539	X		DW	X																		1
8	0172-020917-OT-001-C	2/9/2017	0538	X		DW	X																		1
9	<del>0172-020917-AF-001-A</del>	<del>2/9/2017</del>		<del>X</del>		<del>DW</del>																		Not Sampled	
10	<del>0172-020917-AF-001-B</del>	<del>2/9/2017</del>		<del>X</del>		<del>DW</del>																		Not Sampled	
11	0172-020917-SC-001-A	2/9/2017	0451	X		DW	X																		1
12																									
13																									
14																									
15																									
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION											RECEIPT						
1: <i>Meisen</i>		2/9/17 0916		2: <i>Tampabay</i>		2/9/17 7916		PROJECT NAME: <b>DCSD</b>											Total # of Containers						
3:				3:				PROJECT #: <b>1561-1601</b>											Turnaround Time Request						
								SITE ADDRESS: <b>172</b>											Standard 5 Business Days						
								SEND REPORT TO: <b>Leona Miles and Tim Royer</b>											2 Business Day Rush						
								INVOICE TO: <b>leona-miles@aem-net.com; tim-royer@aem-net.com</b>											Next Business Day Rush						
								(IF DIFFERENT FROM ABOVE)											Same Day Rush (auth req.)						
								QUOTE #: _____ PO#: _____											Other: 10 business Days						
SPECIAL INSTRUCTIONS/COMMENTS: Preserve at the Lab per protocol				SHIPMENT METHOD OUT / / VIA: IN / / VIA: <input checked="" type="radio"/> CLIENT FedEx UPS MAIL COURIER GREYHOUND OTHER _____															STATE PROGRAM (if any): _____						
																			E-mail? Y/N; Fax? Y/N						
																			DATA PACKAGE: I II III IV						

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

**Analytical Environmental Services, Inc**

**Date:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-001-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:04:00 AM
<b>Lab ID:</b> 1702650-001	<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	1.06	1.00		ug/L	238469	1	02/22/2017 17:31	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-001-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:05:00 AM
<b>Lab ID:</b> 1702650-002	<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	238469	1	02/22/2017 18:03	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-002-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:06:00 AM
<b>Lab ID:</b> 1702650-003	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	238469	1	02/22/2017 18:09	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-002-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:07:00 AM
<b>Lab ID:</b> 1702650-004	<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	238469	1	02/22/2017 18:28	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-003-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 4:53:00 AM
<b>Lab ID:</b> 1702650-005	<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	238469	1	02/22/2017 18:35	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-003-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 4:54:00 AM
<b>Lab ID:</b> 1702650-006	<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	238469	1	02/22/2017 18:41	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-004-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 4:55:00 AM
<b>Lab ID:</b> 1702650-007	<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	238469	1	02/22/2017 18:47	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-004-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 4:56:00 AM
<b>Lab ID:</b> 1702650-008	<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	238469	1	02/22/2017 18:54	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-005-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 4:57:00 AM
<b>Lab ID:</b> 1702650-009	<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	238469	1	02/22/2017 19:00	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-005-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 4:58:00 AM
<b>Lab ID:</b> 1702650-010	<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	238469	1	02/22/2017 19:06	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-006-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:15:00 AM
<b>Lab ID:</b> 1702650-011	<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	1.13	1.00		ug/L	238469	1	02/22/2017 17:50	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-006-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:16:00 AM
<b>Lab ID:</b> 1702650-012	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238469	1	02/22/2017 19:12	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-007-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:17:00 AM
<b>Lab ID:</b> 1702650-013	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238469	1	02/22/2017 19:19	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-007-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:18:00 AM
<b>Lab ID:</b> 1702650-014	<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	238469	1	02/22/2017 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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-008-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:19:00 AM
<b>Lab ID:</b> 1702650-015	<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	238469	1	02/22/2017 19:44	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-008-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:20:00 AM
<b>Lab ID:</b> 1702650-016	<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	238469	1	02/22/2017 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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-009-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:27:00 AM
<b>Lab ID:</b> 1702650-017	<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	6.44	1.00		ug/L	238469	1	02/22/2017 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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-009-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:28:00 AM
<b>Lab ID:</b> 1702650-018	<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	58.5	1.00		ug/L	238489	1	02/23/2017 13:41	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-010-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:12:00 AM
<b>Lab ID:</b> 1702650-019	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238469	1	02/22/2017 20:03	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-010-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:13:00 AM
<b>Lab ID:</b> 1702650-020	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	238469	1	02/22/2017 20:09	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-011-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:14:00 AM
<b>Lab ID:</b> 1702650-021	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238470	1	02/22/2017 20:28	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-011-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:15:00 AM
<b>Lab ID:</b> 1702650-022	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238470	1	02/22/2017 21:13	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-012-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:29:00 AM
<b>Lab ID:</b> 1702650-023	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238470	1	02/22/2017 21:19	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-012-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:30:00 AM
<b>Lab ID:</b> 1702650-024	<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	238470	1	02/22/2017 21:25	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-013-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:31:00 AM
<b>Lab ID:</b> 1702650-025	<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	238470	1	02/22/2017 21:32	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-013-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:32:00 AM
<b>Lab ID:</b> 1702650-026	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238470	1	02/22/2017 21:38	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-014-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:18:00 AM
<b>Lab ID:</b> 1702650-027	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238470	1	02/22/2017 21:44	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-014-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:19:00 AM
<b>Lab ID:</b> 1702650-028	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238470	1	02/22/2017 21:51	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-015-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:20:00 AM
<b>Lab ID:</b> 1702650-029	<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	238470	1	02/22/2017 21:57	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-015-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:21:00 AM
<b>Lab ID:</b> 1702650-030	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	238470	1	02/22/2017 22:16	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-016-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:05:00 AM
<b>Lab ID:</b> 1702650-031	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238470	1	02/22/2017 21:00	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-016-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:06:00 AM
<b>Lab ID:</b> 1702650-032	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	238470	1	02/22/2017 22:22	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-017-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:07:00 AM
<b>Lab ID:</b> 1702650-033	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	238470	1	02/22/2017 22:29	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-017-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:08:00 AM
<b>Lab ID:</b> 1702650-034	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238470	1	02/22/2017 22:35	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-018-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:09:00 AM
<b>Lab ID:</b> 1702650-035	<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	238470	1	02/22/2017 22:41	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-018-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:10:00 AM
<b>Lab ID:</b> 1702650-036	<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	238470	1	02/22/2017 22:48	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-019-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:21:00 AM
<b>Lab ID:</b> 1702650-037	<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	238470	1	02/22/2017 22:54	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-019-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:22:00 AM
<b>Lab ID:</b> 1702650-038	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238470	1	02/22/2017 23:00	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-020-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:23:00 AM
<b>Lab ID:</b> 1702650-039	<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	238470	1	02/22/2017 23:06	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-020-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:24:00 AM
<b>Lab ID:</b> 1702650-040	<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	BRL	1.00		ug/L	238470	1	02/22/2017 23:13	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-021-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:25:00 AM
<b>Lab ID:</b> 1702650-041	<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	238471	1	02/22/2017 23:45	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-021-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:26:00 AM
<b>Lab ID:</b> 1702650-042	<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	BRL	1.00		ug/L	238471	1	02/23/2017 00:16	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-022-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:29:00 AM
<b>Lab ID:</b> 1702650-043	<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	BRL	1.00		ug/L	238471	1	02/23/2017 00:22	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-022-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:30:00 AM
<b>Lab ID:</b> 1702650-044	<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	238471	1	02/23/2017 00:29	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-023-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:31:00 AM
<b>Lab ID:</b> 1702650-045	<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	238471	1	02/23/2017 00:48	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-023-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:32:00 AM
<b>Lab ID:</b> 1702650-046	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 00:54	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-024-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:37:00 AM
<b>Lab ID:</b> 1702650-047	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 01:00	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-024-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:38:00 AM
<b>Lab ID:</b> 1702650-048	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 01:07	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-025-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:39:00 AM
<b>Lab ID:</b> 1702650-049	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 01:13	JR

**Qualifiers:**

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

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



**Analytical Environmental Services, Inc**

**Date:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-025-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:40:00 AM
<b>Lab ID:</b> 1702650-050	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 01:19	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-026-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:03:00 AM
<b>Lab ID:</b> 1702650-051	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 00:03	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-026-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:04:00 AM
<b>Lab ID:</b> 1702650-052	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 01:26	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-027-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:05:00 AM
<b>Lab ID:</b> 1702650-053	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 01:32	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-027-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:06:00 AM
<b>Lab ID:</b> 1702650-054	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 01:38	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-028-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:29:00 AM
<b>Lab ID:</b> 1702650-055	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 01:45	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-028-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:30:00 AM
<b>Lab ID:</b> 1702650-056	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 02:04	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-029-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:25:00 AM
<b>Lab ID:</b> 1702650-057	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 02:10	JR

**Qualifiers:**

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

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



**Analytical Environmental Services, Inc**

**Date:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-029-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:26:00 AM
<b>Lab ID:</b> 1702650-058	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 02:16	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-030-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:45:00 AM
<b>Lab ID:</b> 1702650-059	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 02:23	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-030-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:46:00 AM
<b>Lab ID:</b> 1702650-060	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238471	1	02/23/2017 02:29	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-032-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:19:00 AM
<b>Lab ID:</b> 1702650-061	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.72	1.00		ug/L	238472	1	02/23/2017 02:48	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-DF-032-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:20:00 AM
<b>Lab ID:</b> 1702650-062	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.26	1.00		ug/L	238472	1	02/23/2017 03:32	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-RS-001-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:22:00 AM
<b>Lab ID:</b> 1702650-063	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238472	1	02/23/2017 03:39	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-RS-001-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:23:00 AM
<b>Lab ID:</b> 1702650-064	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238472	1	02/23/2017 03:45	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-RS-002-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:14:00 AM
<b>Lab ID:</b> 1702650-065	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238472	1	02/23/2017 03:51	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-RS-002-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:15:00 AM
<b>Lab ID:</b> 1702650-066	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238472	1	02/23/2017 03:58	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-RS-003-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:14:00 AM
<b>Lab ID:</b> 1702650-067	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	238472	1	02/23/2017 04:04	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-RS-003-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:15:00 AM
<b>Lab ID:</b> 1702650-068	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.24	1.00		ug/L	238472	1	02/23/2017 04:10	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-TL-001-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:03:00 AM
<b>Lab ID:</b> 1702650-069	<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	238472	1	02/23/2017 04:17	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-TL-001-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:04:00 AM
<b>Lab ID:</b> 1702650-070	<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	238472	1	02/23/2017 04:36	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-TL-001-C
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:05:00 AM
<b>Lab ID:</b> 1702650-071	<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	238472	1	02/23/2017 03:20	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-001-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 4:55:00 AM
<b>Lab ID:</b> 1702650-072	<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	1.33	1.00		ug/L	238472	1	02/23/2017 04:42	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-001-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 4:56:00 AM
<b>Lab ID:</b> 1702650-073	<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	238472	1	02/23/2017 04:48	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-002-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:38:00 AM
<b>Lab ID:</b> 1702650-074	<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	167	1.00		ug/L	238472	1	02/23/2017 04:55	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-002-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:39:00 AM
<b>Lab ID:</b> 1702650-075	<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	1.29	1.00		ug/L	238472	1	02/23/2017 05:01	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-003-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:40:00 AM
<b>Lab ID:</b> 1702650-076	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	14.2	1.00		ug/L	238472	1	02/23/2017 05:07	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-003-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:41:00 AM
<b>Lab ID:</b> 1702650-077	<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	238472	1	02/23/2017 05:14	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-004-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:51:00 AM
<b>Lab ID:</b> 1702650-078	<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	1.13	1.00		ug/L	238472	1	02/23/2017 05:20	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-004-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:52:00 AM
<b>Lab ID:</b> 1702650-079	<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	238472	1	02/23/2017 05:26	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-005-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:43:00 AM
<b>Lab ID:</b> 1702650-080	<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	238472	1	02/23/2017 05:33	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-005-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:44:00 AM
<b>Lab ID:</b> 1702650-081	<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	238473	1	02/23/2017 06:04	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-006-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:48:00 AM
<b>Lab ID:</b> 1702650-082	<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	1.26	1.00		ug/L	238473	1	02/23/2017 06:36	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-006-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:49:00 AM
<b>Lab ID:</b> 1702650-083	<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	238473	1	02/23/2017 06:42	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-007-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:51:00 AM
<b>Lab ID:</b> 1702650-084	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	3.47	1.00		ug/L	238473	1	02/23/2017 06:49	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-007-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:52:00 AM
<b>Lab ID:</b> 1702650-085	<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	2.20	1.00		ug/L	238473	1	02/23/2017 07:08	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-009-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 6:01:00 AM
<b>Lab ID:</b> 1702650-086	<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	238473	1	02/23/2017 07:14	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-CS-009-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 6:02:00 AM
<b>Lab ID:</b> 1702650-087	<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	238473	1	02/23/2017 07:20	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-IM-001-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 4:57:00 AM
<b>Lab ID:</b> 1702650-088	<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	238473	1	02/23/2017 07:27	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-IM-002-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:34:00 AM
<b>Lab ID:</b> 1702650-089	<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	238473	1	02/23/2017 07:33	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-OT-001-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:37:00 AM
<b>Lab ID:</b> 1702650-090	<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	238473	1	02/23/2017 07:39	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-OT-001-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:39:00 AM
<b>Lab ID:</b> 1702650-091	<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	238473	1	02/23/2017 06:23	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-OT-001-C
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 5:38:00 AM
<b>Lab ID:</b> 1702650-092	<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	238473	1	02/23/2017 07:46	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:** 23-Feb-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 0172-020917-SC-001-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 2/9/2017 4:51:00 AM
<b>Lab ID:</b> 1702650-093	<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	2.22	1.00		ug/L	238473	1	02/23/2017 07:52	JR

**Qualifiers:**

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

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

### SAMPLE/COOLER RECEIPT CHECKLIST

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

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

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

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

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

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

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

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

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

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

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

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

Client: Atlanta Environmental Mgmt  
 Project Name: DCSD - 0172  
 Workorder: 1702650

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 238469

Sample ID: <b>MB-238469</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337085</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238469</b>	Analysis Date: <b>02/22/2017</b>	Seq No: <b>7362384</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-238469</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337085</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238469</b>	Analysis Date: <b>02/22/2017</b>	Seq No: <b>7362385</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 99.94 1.00 100.0 99.9 85 115

Sample ID: <b>1702650-001AMS</b>	Client ID: <b>0172-020917-DF-001-A</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337085</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238469</b>	Analysis Date: <b>02/22/2017</b>	Seq No: <b>7362387</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 97.77 1.00 100.0 1.058 96.7 70 130

Sample ID: <b>1702650-011AMS</b>	Client ID: <b>0172-020917-DF-006-A</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337085</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238469</b>	Analysis Date: <b>02/22/2017</b>	Seq No: <b>7362390</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 95.52 1.00 100.0 1.126 94.4 70 130

Sample ID: <b>1702650-001AMSD</b>	Client ID: <b>0172-020917-DF-001-A</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337085</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238469</b>	Analysis Date: <b>02/22/2017</b>	Seq No: <b>7362388</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 94.16 1.00 100.0 1.058 93.1 70 130 97.77 3.76 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 - 0172  
 Workorder: 1702650

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 238470

Sample ID: <b>MB-238470</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337086</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238470</b>	Analysis Date: <b>02/22/2017</b>	Seq No: <b>7362429</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-238470</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337086</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238470</b>	Analysis Date: <b>02/22/2017</b>	Seq No: <b>7362430</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 98.69 1.00 100.0 98.7 85 115

Sample ID: <b>1702650-021AMS</b>	Client ID: <b>0172-020917-DF-011-A</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337086</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238470</b>	Analysis Date: <b>02/22/2017</b>	Seq No: <b>7362432</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 93.03 1.00 100.0 93.0 70 130

Sample ID: <b>1702650-031AMS</b>	Client ID: <b>0172-020917-DF-016-A</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337086</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238470</b>	Analysis Date: <b>02/22/2017</b>	Seq No: <b>7362437</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 95.71 1.00 100.0 95.7 70 130

Sample ID: <b>1702650-021AMSD</b>	Client ID: <b>0172-020917-DF-011-A</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337086</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238470</b>	Analysis Date: <b>02/22/2017</b>	Seq No: <b>7362433</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 94.85 1.00 100.0 94.8 70 130 93.03 1.93 20

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

**Client:** Atlanta Environmental Mgmt  
**Project Name:** DCSD - 0172  
**Workorder:** 1702650

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 238471**

Sample ID: <b>MB-238471</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337087</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238471</b>	Analysis Date: <b>02/22/2017</b>	Seq No: <b>7362471</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-238471</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337087</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238471</b>	Analysis Date: <b>02/22/2017</b>	Seq No: <b>7362472</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 91.99 1.00 100.0 92.0 85 115

Sample ID: <b>1702650-041AMS</b>	Client ID: <b>0172-020917-DF-021-A</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337087</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238471</b>	Analysis Date: <b>02/22/2017</b>	Seq No: <b>7362474</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 94.75 1.00 100.0 94.7 70 130

Sample ID: <b>1702650-051AMS</b>	Client ID: <b>0172-020917-DF-026-A</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337087</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238471</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7362477</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 95.85 1.00 100.0 95.9 70 130

Sample ID: <b>1702650-041AMSD</b>	Client ID: <b>0172-020917-DF-021-A</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337087</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238471</b>	Analysis Date: <b>02/22/2017</b>	Seq No: <b>7362475</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 96.77 1.00 100.0 96.8 70 130 94.75 2.12 20

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



Client: Atlanta Environmental Mgmt  
 Project Name: DCSD - 0172  
 Workorder: 1702650

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 238472

Sample ID: <b>MB-238472</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337088</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238472</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7362512</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-238472</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337088</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238472</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7362513</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 98.17 1.00 100.0 98.2 85 115

Sample ID: <b>1702650-061AMS</b>	Client ID: <b>0172-020917-DF-032-A</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337088</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238472</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7362515</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 95.95 1.00 100.0 1.722 94.2 70 130

Sample ID: <b>1702650-071AMS</b>	Client ID: <b>0172-020917-TL-001-C</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337088</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238472</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7362520</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 93.85 1.00 100.0 93.8 70 130

Sample ID: <b>1702650-061AMSD</b>	Client ID: <b>0172-020917-DF-032-A</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337088</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238472</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7362516</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 95.99 1.00 100.0 1.722 94.3 70 130 95.95 0.042 20

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

**Client:** Atlanta Environmental Mgmt  
**Project Name:** DCSD - 0172  
**Workorder:** 1702650

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 238473**

Sample ID: <b>MB-238473</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337089</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238473</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7362553</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-238473</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337089</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238473</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7362554</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 94.94 1.00 100.0 94.9 85 115

Sample ID: <b>1702650-081AMS</b>	Client ID: <b>0172-020917-CS-005-B</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337089</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238473</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7362556</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 70 130

Sample ID: <b>1702650-091AMS</b>	Client ID: <b>0172-020917-OT-001-B</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337089</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238473</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7362559</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 92.69 1.00 100.0 92.7 70 130

Sample ID: <b>1702650-081AMSD</b>	Client ID: <b>0172-020917-CS-005-B</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337089</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238473</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7362557</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 95.77 1.00 100.0 95.8 70 130 98.09 2.39 20

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

Client: Atlanta Environmental Mgmt  
 Project Name: DCSD - 0172  
 Workorder: 1702650

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 238489

Sample ID: <b>MB-238489</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337124</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238489</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7363584</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-238489</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337124</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238489</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7363585</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 106.5 1.00 100.0 106 85 115

Sample ID: <b>1702650-018AMS</b>	Client ID: <b>0172-020917-DF-009-B</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337124</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238489</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7363587</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 166.3 1.00 100.0 58.50 108 70 130

Sample ID: <b>1702650-018AMSD</b>	Client ID: <b>0172-020917-DF-009-B</b>	Units: <b>ug/L</b>	Prep Date: <b>02/22/2017</b>	Run No: <b>337124</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>238489</b>	Analysis Date: <b>02/23/2017</b>	Seq No: <b>7363588</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 168.3 1.00 100.0 58.50 110 70 130 166.3 1.20 20

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

## Leona Miles

---

**From:** NoReply@aesatlanta.net  
**Sent:** Monday, November 13, 2017 3:38 PM  
**To:** leona-miles@aem-net.com; tim-royer@aem-net.com  
**Subject:** DCSD - 0172  
**Attachments:** 1710S80\_REPORT.pdf; 1710S80Invoice.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 13, 2017

Leona Miles  
Atlanta Environmental Mgmt  
2580 NE Expressway  
Atlanta GA 30345

RE: DCSD - 0172

Dear Leona Miles:

Order No: 1710S80

Analytical Environmental Services, Inc. received 10 samples on 10/31/2017 8:20:00 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



COMPANY: <b>Atlanta Environmental Management Inc</b>		ADDRESS: <b>2580 Northeast Expressway NE Atlanta, GA 30345</b>					ANALYSIS REQUESTED								Visit our website <b>www.aesatlanta.com</b> 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: Andy Jensen		SIGNATURE: <i>[Signature]</i>						PRESERVATION (See codes)								REMARKS		
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)												
		DATE	TIME															
1	0172-103117-CS-002-A	10/31/17	0525	X		DW	X											
2	0172-103117-CS-002-B		0526	X		DW	X											
3	0172-103117-CS-008-A		0527	X		DW	X											
4	0172-103117-CS-008-B		0528	X		DW	X											
5	0172-103117-DF-009-A		0532	X		DW	X											
6	0172-103117-DF-009-B		0533	X		DW	X											
7	0172-103117-AF-001-A		0545	X		DW	X											
8	0172-103117-AF-001-B		0546	X		DW	X											
9	0172-103117-DF-033-A		0554	X		DW	X											
10	0172-103117-DF-033-B		0555	X		DW	X											
11																		
12																		
13																		
14																		
15																		

RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION								RECEIPT	
<i>[Signature]</i>		10/31/17 0820		<i>[Signature]</i>		10/31/17 820		PROJECT NAME: <b>DCSD</b>								Total # of Containers	
								PROJECT #: <b>1561-1601</b>								Turnaround Time Request	
								SITE ADDRESS: <b>0172</b>								<input type="radio"/> Standard 5 Business Days	
								SEND REPORT TO: <b>leona-miles@aem-net.com</b>								<input type="radio"/> 2 Business Day Rush	
								INVOICE TO: Leona Miles (IF DIFFERENT FROM ABOVE)								<input type="radio"/> Next Business Day Rush	
								QUOTE #: _____ PO#: _____								<input type="radio"/> Same Day Rush (auth req.)	
																<input checked="" type="radio"/> Other: 10 business Days	
SPECIAL INSTRUCTIONS/COMMENTS: <b>Preserve at lab</b>				SHIPMENT METHOD												STATE PROGRAM (if any): _____	
				OUT / / VIA:												E-mail? Y/N; Fax? Y/N	
				IN / / VIA:												DATA PACKAGE: I II III IV	
				CLIENT FedEx UPS MAIL COURIER													
				GREYHOUND OTHER _____													

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> 0172-103117-CS-002-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 10/31/2017 5:25:00 AM
<b>Lab ID:</b> 1710S80-001	<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	13.1	1.00		ug/L	250869	1	11/10/2017 18:11	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> 0172-103117-CS-002-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 10/31/2017 5:26:00 AM
<b>Lab ID:</b> 1710S80-002	<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	1.06	1.00		ug/L	250869	1	11/10/2017 18:20	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> 0172-103117-CS-008-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 10/31/2017 5:27:00 AM
<b>Lab ID:</b> 1710S80-003	<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	4.88	1.00		ug/L	250869	1	11/10/2017 18:22	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> 0172-103117-CS-008-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 10/31/2017 5:28:00 AM
<b>Lab ID:</b> 1710S80-004	<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	250869	1	11/10/2017 18:24	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> 0172-103117-DF-009-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 10/31/2017 5:32:00 AM
<b>Lab ID:</b> 1710S80-005	<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	4.41	1.00		ug/L	250869	1	11/10/2017 18:26	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> 0172-103117-DF-009-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 10/31/2017 5:33:00 AM
<b>Lab ID:</b> 1710S80-006	<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	6.68	1.00		ug/L	250869	1	11/10/2017 18:28	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> 0172-103117-AF-001-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 10/31/2017 5:45:00 AM
<b>Lab ID:</b> 1710S80-007	<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	8.62	1.00		ug/L	250869	1	11/10/2017 18:35	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> 0172-103117-AF-001-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 10/31/2017 5:46:00 AM
<b>Lab ID:</b> 1710S80-008	<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	250869	1	11/10/2017 18:37	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> 0172-103117-DF-033-A
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 10/31/2017 5:54:00 AM
<b>Lab ID:</b> 1710S80-009	<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	32.5	1.00		ug/L	250869	1	11/10/2017 18:39	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> 0172-103117-DF-033-B
<b>Project Name:</b> DCSD - 0172	<b>Collection Date:</b> 10/31/2017 5:55:00 AM
<b>Lab ID:</b> 1710S80-010	<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	15.4	1.00		ug/L	250869	1	11/10/2017 18:41	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 - 0172  
 Workorder: 1710S80

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 250869

Sample ID: <b>MB-250869</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/02/2017</b>	Run No: <b>356633</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>250869</b>	Analysis Date: <b>11/10/2017</b>	Seq No: <b>7856869</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-250869</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/02/2017</b>	Run No: <b>356633</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>250869</b>	Analysis Date: <b>11/10/2017</b>	Seq No: <b>7856870</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 95.93 1.00 100.0 95.9 85 115

Sample ID: <b>1710S80-001AMS</b>	Client ID: <b>0172-103117-CS-002-A</b>	Units: <b>ug/L</b>	Prep Date: <b>11/02/2017</b>	Run No: <b>356633</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>250869</b>	Analysis Date: <b>11/10/2017</b>	Seq No: <b>7856874</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 115.9 1.00 100.0 13.12 103 70 130

Sample ID: <b>1710S81-001AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/02/2017</b>	Run No: <b>356633</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>250869</b>	Analysis Date: <b>11/10/2017</b>	Seq No: <b>7856877</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 99.20 1.00 100.0 99.2 70 130

Sample ID: <b>1710S80-001AMSD</b>	Client ID: <b>0172-103117-CS-002-A</b>	Units: <b>ug/L</b>	Prep Date: <b>11/02/2017</b>	Run No: <b>356633</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>250869</b>	Analysis Date: <b>11/10/2017</b>	Seq No: <b>7856875</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 119.0 1.00 100.0 13.12 106 70 130 115.9 2.69 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