November 30, 2017

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

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

Re: Summary of Additional Lead in Drinking Water Sample Results Miller Grove Middle School (Facility ID #0597)

2215 Miller Road, Decatur, Georgia 30035

AEM Project No. 1561-1601

Dear Mr. Williams:

Atlanta Environmental Management, Inc. (AEM) is pleased to provide the DeKalb County School District (DCSD) an electronic copy of the Lead in Drinking Water Sample Results for Miller Grove Middle School (Facility ID #0597). Additional drinking water samples from select source units were collected on September 29, 2017, and analytical results were received from Analytical Environmental Services, Inc., on October 11, 2017.

#### **FINDINGS**

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

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

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

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

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

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

Mr. Joshua Williams—DeKalb County School District November 30, 2017 Page 2

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

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

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

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

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

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

Sincerely,

Atlanta Environmental Management, Inc.

Leona Miles, CHMM Senior Project Manager

Janet T. Hart President

/krf

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

Sandra Glenn (DeKalb County Watershed Management)

Ryan Cira (DeKalb Board of Health)

Attachment: Table



### Miller Grove Middle School





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

#### Notes:

ppb-parts per billion

**Bold**-Exceeds 15 ppb--EPA's

Action Level for Lead

<sup>\*</sup> 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

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

### Miller Grove Middle School



2215 Miller Road, Decatur, GA 30035

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

#### Notes:

ppb-parts per billion

Bold-Exceeds 15 ppb--EPA's

Action Level for Lead

The source unit was replaced by DCSD and retesting was conducted. The above summarizes the restesting results.

<sup>\*</sup> 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

<sup>\*\*</sup>Source unit was initially sampled on 12/15/16 and the initial results indicated that concentrations exceeded the EPA standard of 15 ppb.

January 5, 2018

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

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

Re: Final Technical Lead in Drinking Water Sampling Report Miller Grove Middle School (Facility ID #0597) 2215 Miller Road, Decatur, Georgia 30035 AEM Project No. 1561-1601

Dear Mr. Williams:

Atlanta Environmental Management, Inc. (AEM) is pleased to provide the DeKalb County School District (DCSD) an electronic copy of the Final Technical Lead in Drinking Water Sampling Report for Miller Grove Middle School (Facility ID #0597).

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

#### **FINDINGS**

#### Initial Testing

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

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

One of the sources sampled had a drinking water sample result that contained lead at a concentration at or above EPA's action level of 15 parts per billion (ppb). This source is indicated in bold and shaded font in the attached table (see Table 1).

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

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

Mr. Joshua Williams—DeKalb County School District January 5, 2018 Page 2

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

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

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

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

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

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

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

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

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

Sincerely,

Atlanta Environmental Management, Inc.

Leona Miles, CHMM Senior Project Manager

Janet T. Hart President

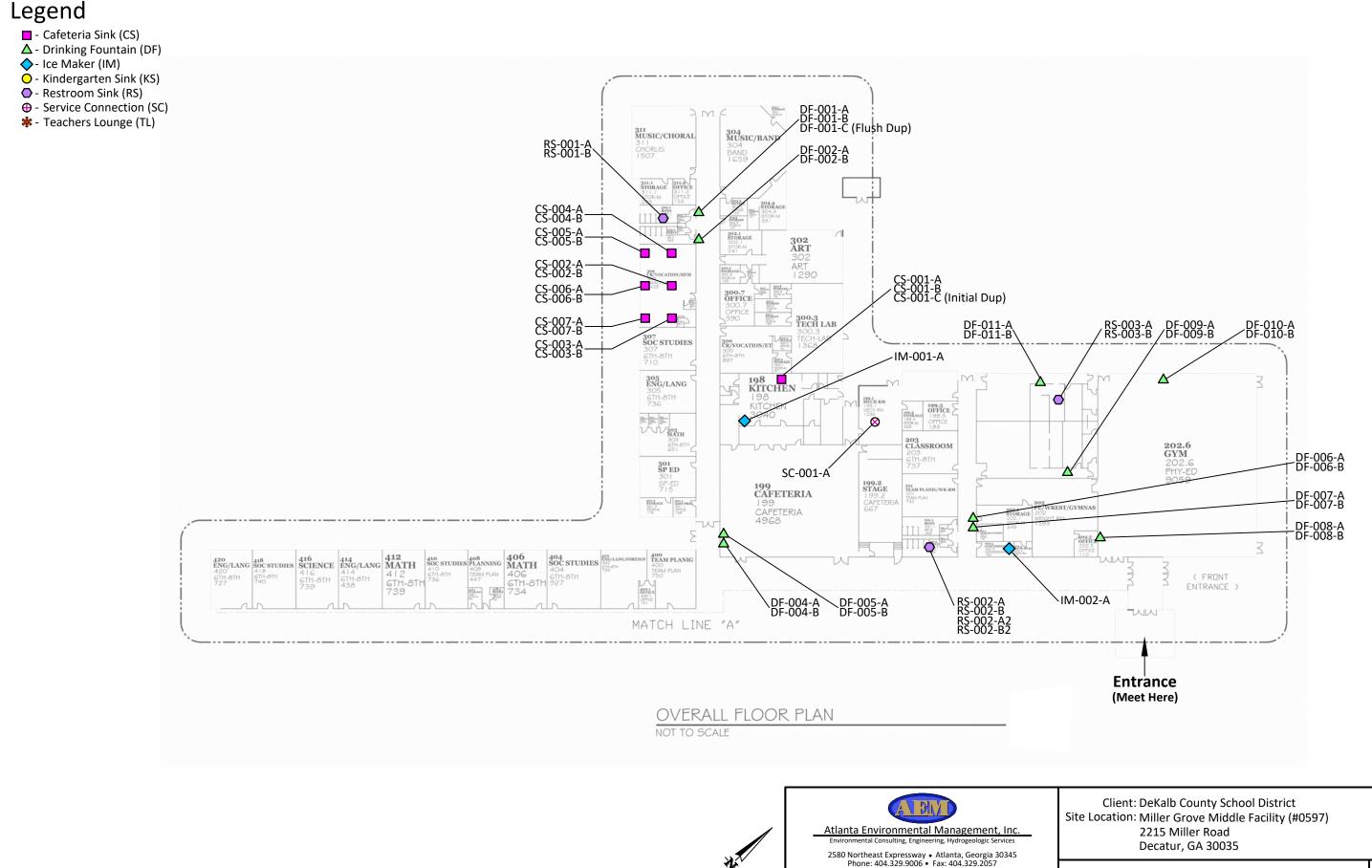
/krf

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



# **FIGURE**







PROJECT #: 1561-1601-0597 DATE: January 3, 2018 DRAWN BY: REVISED: CHECKED BY: SCALE: NTS PROJECT MGR: PRINTED: 1/3/2018 9:43 AM G:\DWG\1561-1601 DeKalb County Schools\0597\0597

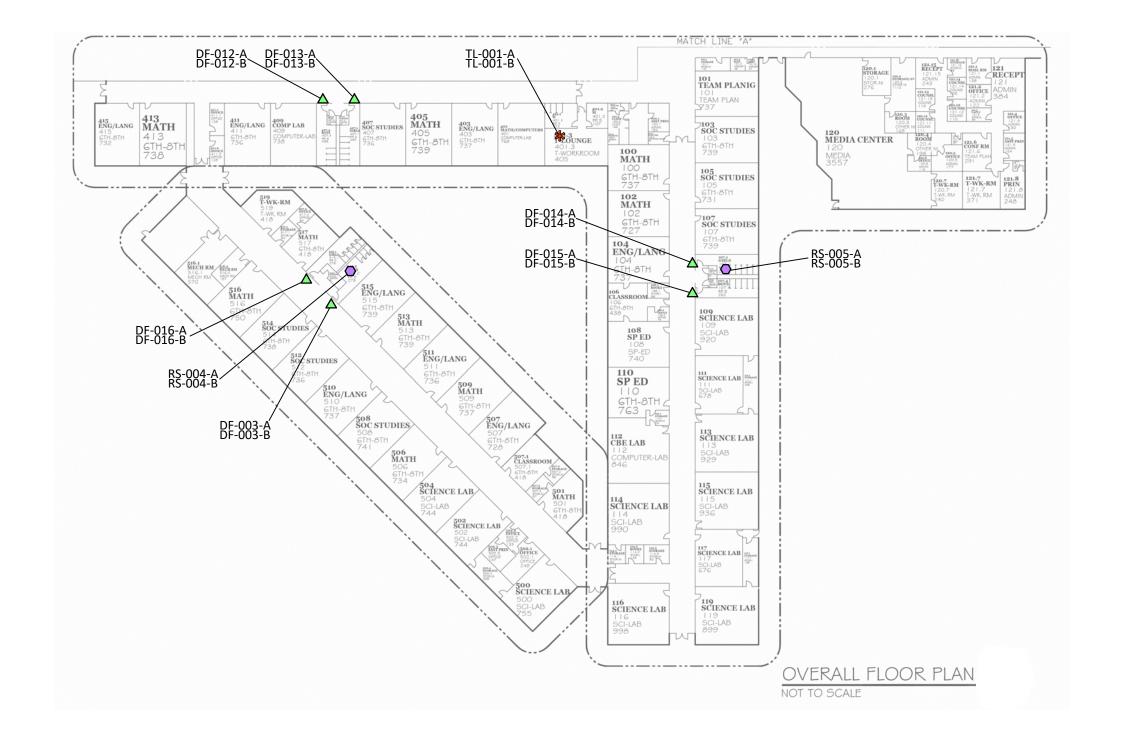
Sample Location Plan

Figure

1a

# Legend

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





# Atlanta Environmental Management, Inc.

2580 Northeast Expressway • Atlanta, Georgia 30345 Phone: 404.329.9006 • Fax: 404.329.2057

PROJECT #:	1561-1601-0597	DATE:	January 3, 2018	
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Client: DeKalb County School District Site Location: Miller Grove Middle Facility (#0597)

2215 Miller Road Decatur, GA 30035

Sample Location Plan

Figure

1b

# **TABLE**



# **Miller Grove Middle School**





			Lead Test
			Results
Sample ID*	Sample Location Description	Sample Date & Time	(ppb)
	Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain in hallway across		
0597-121516-DF-001-A	from Rm 302	12/15/16 5:44 AM	13.0
	Flush sample; Lower Right wall mounted Elkay Drinking Fountain in hallway across from		
0597-121516-DF-001-B	Rm 302	12/15/16 5:45 AM	9.34
	Flush Duplicate sample; Lower Right wall mounted Elkay Drinking Fountain in hallway		
0597-121516-DF-001-C	across from Rm 302	12/15/16 5:46 AM	9.04
	Initial Draw sample; Upper Left wall mounted Elkay Drinking Fountain in hallway across		
0597-121516-DF-002-A	from Rm 302	12/15/16 5:40 AM	13.9
	Flush sample; Upper Left wall mounted Elkay Drinking Fountain in hallway across from Rm		
0597-121516-DF-002-B	302	12/15/16 5:41 AM	12.6
	Initial Draw sample; Right wall mounted Elkay Drinking Fountain in hallway across from		
0597-121516-DF-003-A	Rm 514	12/15/16 5:36 AM	None Detected
0597-121516-DF-003-B	Flush sample; Right wall mounted Elkay Drinking Fountain in hallway across from Rm 514	12/15/16 5:37 AM	1.11
0597-121516-DF-004-A	Initial Draw sample; Upper Left wall mounted Elkay Drinking Fountain in Cafeteria	12/15/16 5:12 AM	1.30
0597-121516-DF-004-B	Flush sample; Upper Left wall mounted Elkay Drinking Fountain in Cafeteria	12/15/16 5:13 AM	1.45
0597-121516-DF-005-A	Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain in Cafeteria	12/15/16 5:14 AM	None Detected
0597-121516-DF-005-B	Flush sample; Lower Right wall mounted Elkay Drinking Fountain in Cafeteria	12/15/16 5:15 AM	1.19
0397-121310-DF-003-B	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in Caleteria	12/13/10 3.13 AIVI	1.19
0597-121516-DF-006-A	Concession Rm	12/15/16 5:21 AM	11.6
0397-121310-DI -000-A	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway to left of	12/13/10 3.21 AW	11.0
0597-121516-DF-006-B	Concession Rm	12/15/16 5:22 AM	8.78
0337 121310 01 000 0	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway to left	12/13/10 3.22 / 11/1	0.70
0597-121516-DF-007-A	of Concession Rm	12/15/16 5:23 AM	None Detected
	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway to left of		
0597-121516-DF-007-B	Concession Rm	12/15/16 5:24 AM	None Detected
555, 121510 Di 007 B	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in Gym to left	12/13/10 3.24 /10	Detected
0597-121516-DF-008-A	immediately inside the door	12/15/16 5:00 AM	None Detected
0007, 121010 DI 000 A		12/13/10 3:00 AIVI	one Detected

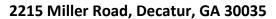
# **Miller Grove Middle School**





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

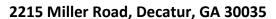
# **Miller Grove Middle School**





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

### Miller Grove Middle School





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

#### Notes:

ppb-parts per billion

**Bold**-Exceeds 15 ppb--EPA's

Action Level for Lead

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

<sup>\*</sup> 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

# ATTACHMENT A AEM Field Sampling Forms



FACILITY NAME: Miller Grove Middle School FACILITY ID: 0597

ADDRESS: 2215 Miller Road, Decatur, GA 30035

DATE	TIME	SAMPLE ID (Facility ID-Date-Location-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
12/15/16	0457	0597 - 121516 - X-001-1	Boiler	In room Hallway	vertical pipe in back.	AA
12/15/16	0502	0597 - 121516 - RS-00Z-A	GINISRR ZOLIZ	n room Hallway	ONLY SINK in girls BR dripping on arrival	PA
12/15/16	0503	0597 - 121516 - RS-00Z-B	((	In room Hallway	UK	AN
12/15/16	0506	0597 - 121516 - M-002-A	Consessions 202.3	In room Hallway	Ice o may: c Im	M
12/15/16	0517	0597 - 121516 - DF-004-A	Cafeteria	In room Hallway	Upper Left WM Elkar	M
12/15/16	0517	0597 - 121516 - DF-004-B	l <sub>1</sub>	In room Hallway	1 1	A
12/15/16	0514	0597 - 121516 - DF-CG5-A	Cl.	In room Hallway	Lower right Elkay	M
12/15/16	0515	0597 - 121516 - DF-005 - B	, (	In room Hallway	l c	A
12/15/16	0520	0597 - 121516 - TL - 00   - A	Teachers Counst 401.3	In room Hallway	Sampled only Sinkin	17
12/15/16	0521	0597 - 121516 - TL-06  -B	٠, ١	In room Hallway	Ram 1,	Ag

FACILITY NAME:

Miller Grove Middle School

FACILITY ID:

0597

ADDRESS: 2215 Miller Road, Decatur, GA 30035

DATE	TIME	SAMPLE ID (Facility ID-Date-Location-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
12/15/16	0578	0597 - 121516 - DF -01Z -A	across from	In room Hallway	Lower right wm Ellegy	An
12/15/16	0519	0597 - 121516 - DF-01Z-B	11	In room Hallway	( (	AN
12/15/16	0570	0597 - 121516 - DF-013-A	( (	In room Hallway	ulter left wm Elkay	M
12/15/16	0531	0597 - 121516 - DF-013-B	(	In room Hallway	( (	M
12/15/16	0536	0597 - 121516 - DF - 003 - A	gyrous from	In room Hallway	Fight Elkay WM DF	A1
12/15/16	0537	0597 - 121516 - DF - 003 - B		In room Hallway	( (	AJ
12/15/16	0541	0597 - 121516 - RS-604-A	BOYS RR across From	in room Hallway	Sampled Sink on	AA
12/15/16	0547	0597 - 121516 - RS-GOY-B	U	In room Hallway	ι 7	M
12/15/16	0557	0597 - 121516 - RS-005-A	girls RR across from	In room Hallway	Sampled Sink an	Paj
12/15/16	0553	0597 - 121516 - RS-005-B	104	In room Hallway	1/	A

FACILITY NAME:

Miller Grove Middle School

FACILITY ID:

0597

ADDRESS: 2215 Miller Road, Decatur, GA 30035

DATE	TIME	SAMPLE ID (Facility ID-Date-Location-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
12/15/16	sunselection of the page one	0597 - 121516 - DF-014-A	Across from	In room Hallway	Not Sampled in Berable	Al
12/15/16	- Tunders Mindelman despenses	0597 - 121516 - DF-014-B	1 (	In room Hallway	X 5	A
12/15/16	description of the second seco	0597 - 121516 - DF-015-A	\\	In room Hallway	. •	M
12/15/16		0597 - 121516 - DF -015 - B	C	In room Hallway		A
12/15/16	-	0597 - 121516 - 7 F - 016-A+B3	Ely Ely	In room Hallway	No-1 Sampled : nopereble	A)
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		

FACILITY NAME: Miller Grove Middle School FACILITY ID: 0597

ADDRESS: 2215 Miller Road, Decatur, GA 30035

DATE	TIME	SAMPLE ID (Facility ID-Date-Location-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
12/15/16	0544	0597 - 121516 - DF - 001 - A	across from Rm 302	In room Hallway	Lower R tikay DF-MM	KM
12/15/16	0545	0597 - 121516 - DF - 001 -6	1	In room Hallway	SAA	EM
12/15/16	0546	0597 - 121516 - TF - 001 - C		In room Hallway	SAA FLUGH dua	KW
12/15/16	0548	0597 - 121516 - KS - 001 - A	boys DR On 300	In room Hallway	loft sink	Kow
12/15/16	0549	0597 - 121516 - RS - 001 - B	hall	In room Hallway	SAA	KIW
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		
12/15/16		0597 - 121516 -		In room Hallway		

FACILITY NAME:

Miller Grove Middle School

FACILITY ID:

0597

ADDRESS: 2215 Miller Road, Decatur, GA 30035

DATE	TIME	SAMPLE ID (Facility ID-Date-Location-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
12/15/16	0521	0597 - 121516 - DF-006 - A	to GFt OF convession/ no Rm #	In room Hallway	Lower L Elkay DF - MM	KTW
12/15/16	0522	0597 - 121516 - DF - 006 - B	ii 🔨	In room Hallway	SAA	KTW
12/15/16	0523	0597 - 121516 - DF - 007 - A	11 (1	In room Hallway	Upper R Elkay DF-MM	Ltw
12/15/16	0524	0597 - 121516 - DF-007 -B	te w	In room Hallway	SAA	KAW
12/15/16	0530	0597 - 121516 - CS - 001 - A	in Cafe. Kitchen	n room Hallway	Far right sink in back of Kitchen	KIW
12/15/16	0532	0597 - 121516 - CS-001-B		(n room) Hallway	SAA	KW
12/15/16	0531	0597 - 121516 - CS - OOI - C		dn room Hallway	SAA initial deo	KTW
12/15/16	0534	0597 - 121516 - M-001 -A	1	In room Hallway		KW
12/15/16	0540	0597 - 121516 - DF - 002 - A	across from Rm 302	In room Hallway	Upper L FIKay DF- WM	Ktw
12/15/16	0541	0597 - 121516 - DF - 002 - B	)( - 1×	In room	SMA	KTW

FACILITY NAME: Miller Grove Middle School FACILITY ID: 0597

ADDRESS: 2215 Miller Road, Decatur, GA 30035

DATE	TIME	SAMPLE ID (Facility ID-Date-Location-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
12/15/16	0500	0597 - 121516 - DF-008 -A	Gym	In room Hallway	Single Fixay DF - WM to left right inside door	KW
12/15/16	0501	0597 - 121516 - DF-008 - B		In room Hallway	SAA	KW
12/15/16	0502	0597 - 121516 - DF - 010 - A		In room Hallway	Single FIKay DF - WM on opposite side of gym from entrance	KTW
12/15/16	0503	0597 - 121516 - DF - 010 - B		rn room Hallway	SAA	KIW
12/15/16	0508	0597 - 121516 - DF - 009 - A	boys Lacker Rm	In room Hallway	Single Elkay DF-WM	KTW
12/15/16	0509	0597 - 121516 - DF - 009 -B	SAA	tn room Hallway	SAA	KW
12/15/16	0513	0597 - 121516 - DF - 011 - A	gins Locker Rm	In room Hallway	Single Elkay DF - WM	Etw
12/15/16	0514	0597 - 121516 - DF-011-B	tt (×	In room Hallway	SAA	KM
12/15/16	0516	0597 - 121516 - RS - 003 - A	j( \(\sigma\)	In room Hallway	Ceft sink in girls RR	KW
12/15/16	0517	0597 - 121516 - RS-003 -B	17 71	In room Hallway	8AA	KtW

FACILITY NAME: MILLER GROVE MIDDLE FACILITY FACILITY ID: 0597

DATE	TIME	SAMPLE ID  (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
9/29/17	0509	0597 - 092917 - RS-002-A	G1115RR 201.2	In room Hallway	Girl's RR near concession Left sink	2av
9/29/17	0510	0597 - 092917 - RS-002-B		In room Hallway	Flush.	(Law
9/29/17	0512	0597 - 092917 - RS-002 - AZ		in room Hallway	Girl's RR near concession Right sink	(Ia)
9/29/17	05[3	0597 - 092917 - RS-002 -132		ln room Hallway	() to	
9/29/17	0518	0597 - 092917 - DF -014 -A	107	In room Hallway	Elkay DF to R of Rm 109	(LOW)
9/29/17	05(9	0597 - 092917 - DF O14 - B	107	In room Hallway	Fush	par
9/29/17	0523	0597 - 092917 - DF-015-A	106	In room Hallway	Elkay DF across from Rm 104	Pa
9/29/17	0524	0597 - 092917 - DF-015-B	106	In room Hallway	t. Lush	fau
9/29/17	0529	0597 - 092917 - DF-016-A	514	In room Hallway	Elkay DF to left of RRS + across forom 514	Law
9/29/17	<b>\$</b> 530	0597 - 092917 - DF-016-B	514	In room Hallway	Fush	Law

FACILITY NAME:

MILLER GROVE MIDDLE FACILITY

FACILITY ID:

0597

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/1/17	0536	0597 - 110117 - CS- GOZ-A	309	In room Hallway	Sink Closest to Entrance, Kitchen 6	M
11/1/17	0531	0597 - 110117 - S-002-B	(1	In room Hallway	14	B
11/1/17	0532	0597 - 110117 - C5 - 003 - A	1.0	In room Hallway	Sink an opposite Countertal From Cs-coz, Kitchen 5	A
11/1/17	0533	0597 - 110117 - 6 5-003 - 3	ŧγ	In room Hallway	1.1	M
11/1/17	0534	0597 - 110117 - CS-COU-A	١ (	In room Hallway	SINK IN Front Right Corner, Kutchen 4	A
11/1/17	0535	0597 - 110117 - (S-004-B	· · · · · · · · · · · · · · · · · · ·	In room Hallway	t <sub>l</sub>	
11/1/17	0536	0597 - 110117 - (S-005-A	ε(	In room Hallway	Corner, Kitchen 3	
11/1/17	6537	0597 - 110117 - (5 - 005-13	**	In room Hallway	t (	M
11/1/17	0538	0597 - 110117 - ( S-006-A		In room Hallway	SINK IN "KHEREN Z"	
11/1/17	0539	0597 - 110117 - (S - 066 - B	\	in reem Hallway	11	K)

FACILITY NAME: MILLER GROVE MIDDLE FACILITY FACILITY ID: 0597

DATE	TIME	SAMPLE ID  (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/1/17	0540	0597 - 110117 - (S-607-A	369	in room Hallway	Sunk in "krtchen j"	AT
11/1/17	0541	0597 - 110117 - CS-007-B	359	In room Hallway	( (	A
11/1/17		0597 - 110117 -		In room Hallway		
11/1/17		0597 - 110117 -		In room Hallway		
11/1/17		0597 - 110117 -		In room Hallway		
11/1/17		0597 - 110117 -		In room Hallway		
11/1/17		0597 - 110117 -		In room Hallway		
11/1/17		0597 - 110117 -		In room Hallway		
11/1/17		0597 - 110117 -		in room Hallway		
11/1/17		0597 - 110117 -		in room Hallway		

**FACILITY NAME:** 

MILLER GROVE MIDDLE FACILITY

FACILITY ID:

0597

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/21/17	6207	0597 - 112117 - CS-002-A	309	n room Hallway	Sink closest to door. Filmaddel	25
11/21/17	0508	0597 - 112117 - CS- 002 - B	369	In room Hallway		22
11/21/17		0597 - 112117 -		In room Hallway		
11/21/17		0597 - 112117 -		In room Hallway		
11/21/17		0597 - 112117 -	-	In room Hallway		
11/21/17		0597 - 112117 -		In room Hallway	-	
11/21/17		0597 - 112117 -		In room Hallway		
11/21/17		0597 - 112117 -		In room Hallway		
11/21/17		0597 - 112117 -		In room Hallway		
11/21/17		0597 - 112117 -		In room Hallway		

# ATTACHMENT B AES Laboratory Analytical Report



#### **Leona Miles**

From: NoReply@aesatlanta.net

Sent: Thursday, January 5, 2017 5:11 PM

**To:** leona-miles@aem-net.com; tim-royer@aem-net.com

Subject: DCSD - 0597

**Attachments:** 1612E82\_REPORT.pdf; 1612E82Invoice.pdf

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

**AES Reporting System** 

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

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



January 05, 2017

Leona Miles Atlanta Environmental Mgmt 2580 NE Expresswav Atlanta GA 30345

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

RE: DCSD - 0597

Dear Leona Miles: Order No: 1612E82

Analytical Environmental Services, Inc. received 45 samples on 12/15/2016 7:55:00 AM for the analyses presented in following report.

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

AES's accreditations are as follows:

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

Ioana Pacurar

Project Manager

IDana) Pacurar



3080 Presidential Drive, Atlanta GA 30340-3704

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

**CHAIN OF CUSTODY** 

COMPANY:	Atlanta Environmental Management, Inc	ADDRESS:  2580 Northeast Expressway, NE				ANALYSIS REQUESTED						,	Visit our website						
			Atlanta, GA				200.8											w.aesatlanta.com	
PHONE:	(404) 329-9006	FAX:	(404) 329-	-2057	,		ethod											results, place bottle	ainers
SAMPLED BY:	Andy Jensen	SIGNATURE: Ale Ser			Total Pb Method 200.8											orders, etc.	No # of Containers		
#	SAMPLE ID	SAM	IPLED		site des)		Tota			Pi	RESE	RVATI	ON (Se	e codes	<u> </u> ;)				# oN
		DATE	TIME	Grab	Composite	Matrix (See codes)	I											REMARDF	
1	0597-121516-DF-001-A	12/15/2016	0544	X		DW	X												, de
2	0597-121516-DF-001-B	12/15/2016	0545	X		DW	X								<u> </u>				1
3	0597-121516-DF-001-C	12/15/2016	0546	X		DW	X				$\perp$				<u> </u>				-
4	0597-121516-DF-002-A	12/15/2016	GSUG	X		DW	X												1
5	0597-121516-DF-002-B	12/15/2016	0541	X		DW	X												
6	0597-121516-DF-003-A	12/15/2016	0536	X		DW	X												1
7	0597-121516-DF-003-B	12/15/2016	0537	X		DW	X												News
8	0597-121516-DF-004-A	12/15/2016	0512	X		DW	X												4
9	0597-121516-DF-004-B	12/15/2016	0513	X		DW	X												1
10	0597-121516-DF-005-A	12/15/2016	0514	X		DW	X												and the second
11	0597-121516-DF-005-B	12/15/2016	0515	X		DW	X												1
12	0597-121516-DF-006-A	12/15/2016	0521	X		DW	X												45-04
13	0597-121516-DF-006-B	12/15/2016	0522	X		DW	X												
14	0597-121516-DF-007-A	12/15/2016	0523	X		DW	Χ												1
15	0597-121516-DF-007-B	12/15/2016	0524	X		DW	X												na contract
RELINQUISHED		RECEIVED B	Y			DATE/TIME				P	ROJE	ECT IN	FORM	1ATIO	N			RECEIPT	1
1: Alfure	~ 12/15/16 M55	I: Mua	ui <i>f tr</i> uva.		13/1. Fis	7/4 371M	PRO,	IECT N	AME:	Γ	CS							Total # of Containers	
2: /		2:					-	ECT#:			15	561-1					$\dashv$ $_{\sim}$	Turnaround Time Request	
		3:					SITE	ADDR	ESS:			5	97					Standard 5 Business Days  2 Business Day Rush	
3:		3.					SENI	O REPO	ORT TO	): <b>I</b>	Leon	a Mi	les a	nd Ti	m Ro	yer	⊣Շ	•	
SPECIAL INSTRU	UCTIONS/COMMENTS:	OUT /	SHIPMENT	METHO	OD		INVO	OICE TO	O:							-	٦Ğ		)
Preserve at the L	ab per protocol	IN CLIER	VT FedEx UI	VIA:	IL COU	JRIER	leona-miles@aem-net.com; tim-royer@aem-net.com						E PROGRAM (if any):  If Y/N; Fax? Y/N	-					
			_	THER_			QUOTE #: PO#:					_	A PACKAGE: I II III	IV					
	EIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS DISPOSED OF 30 DAYS AFTER COMPLETION OF REPOR						MARI	KED O	N COC	AES	WILL	PRO	CEED	AS ST	ANDAF	RD TAT.			

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

Page 2 of 55

3080 Presidential Drive, Atlanta GA 30340-3704

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

OTTABLE		CLICTODY
CHAIN	Ur	CUSTODY

Work Order: /U/BUS

Date: 12/15/16 ADDRESS: COMPANY: ANALYSIS REQUESTED Visit our website 2580 Northeast Expressway, NE Atlanta Environmental Management, Inc www.aesatlanta.com Atlanta, GA 30345 Fotal Pb Method 200.8 to check on the status of FAX: No # of Containers your results, place bottle PHONE: (404) 329-2057 (404) 329-9006 orders, etc. SIGNATURE: SAMPLED BY: SAMPLED Matrix (See codes) PRESERVATION (See codes) SAMPLE ID # REMARDF DATE TIME 0500 DW X 0597-121516-DF-008-A 12/15/2016 OSO X DW 0597-121516-DF-008-B 12/15/2016 2 0508 X DW0597-121516-DF-009-A 12/15/2016 3 0509 X DW0597-121516-DF-009-B 12/15/2016 4  $\mathbf{X}$ DW 0502 0597-121516-DF-010-A 12/15/2016 5  $\mathbf{X}$ DW 0563 0597-121516-DF-010-B 12/15/2016 6 0513  $\mathbf{X}$ DW0597-121516-DF-011-A 12/15/2016 7 OSIL X DW12/15/2016 0597-121516-DF-011-B 8 0528  $\mathbf{X}$ DW 12/15/2016 0597-121516-DF-012-A 9 0529  $\mathbf{X}$ DW|0597-121516-DF-012-B 12/15/2016 10 0530  $\mathbf{X}$ DW12/15/2016 0597-121516-DF-013-A 11 0531 X DW12/15/2016 |0597-121516-DF-013-B 12 Not Sampled X DW 0597-121516-DF-014-A 12/15/2016 13 NOT Somaked X DW-0597-121516-DF-014-B 12/15/2016 14 NOT Sampled -DW 0597-121516-DF-015-A 12/15/2016 15 RECEIPT PROJECT INFORMATION DATE/TIME RECEIVED BY RELINQUISHED BY 15/16 0755 Munuramar 10/14 PROJECT NAME: Total # of Containers 1:53 AM DCSD 1561-1601 Turnaround Time Request PROJECT #: 597 O Standard 5 Business Days SITE ADDRESS: O 2 Business Day Rush Leona Miles and Tim Royer O Next Business Day Rush SEND REPORT TO: O Same Day Rush (auth req.) INVOICE TO: SHIPMENT METHOD SPECIAL INSTRUCTIONS/COMMENTS: (IF DIFFERENT FROM ABOVE) Other: 10 business Days VIA: OUT STATE PROGRAM (if any): leona-miles@aem-net.com; tim-royer@aem-net.com VIA: Preserve at the Lab per protocol Fax? Y/N UPS MAIL COURIER E-mail? Y/N; CLIENT FedEx DATA PACKAGE: I II III IV QUOTE #: 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. Page 3 of 55

SE = Sediment SO = Soil SW = Surface Water DW=Drinking Water W = Water (BlanDF) MATRIX CODES: A = Air

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

3080 Presidential Drive, Atlanta GA 30340-3704

Work Order: Wilde 80

Date: 12/15/16 TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188 ADDRESS: ANALYSIS REQUESTED COMPANY: Visit our website 2580 Northeast Expressway, NE Atlanta Environmental Management, Inc www.aesatlanta.com Atlanta, GA 30345 Total Pb Method 200.8 to check on the status of No # of Containers FAX: your results, place bottle PHONE: (404) 329-2057 (404) 329-9006 orders, etc. SIGNATURE: SAMPLED BY: SAMPLED codes) PRESERVATION (See codes) SAMPLE ID # REMARKS See DATE TIME 164 SG MIDLEN X DW 12/15/2016 0597-121516-DF-015-B 0520 X DW12/15/2016 0597-121516-TL-001-A 2 0521 X  $\mathbf{pw}$ 12/15/2016 0597-121516-TL-001-B X DW12/15/2016 0597-121516-RS-001-A 549 X DW12/15/2016 0597-121516-RS-001-B 5 0502 X DW12/15/2016 0597-121516-RS-002-A 6 0503 DW 12/15/2016 0597-121516-RS-002-B 7 0516 X DW12/15/2016 0597-121516-RS-003-A 8  $\mathbf{X}$ 051 DW0597-121516-RS-003-B 12/15/2016 9 X DW0597-121516-RS-004-A 12/15/2016 10 0542 X DW 12/15/2016 0597-121516-RS-004-B II0552 X DW12/15/2016 0597-121516-RS-005-A 12 X DW0597-121516-RS-005-B 12/15/2016 0553 13 AS30 X DW 0597-121516-CS-001*-*A 12/15/2016 14 DW 0532 X 0597-121516-CS-001-B 12/15/2016 15 PROJECT INFORMATION RECEIPT DATE/TIME RECEIVED BY DATE/TIME RELINOUISHED BY PROJECT NAME: 12/15/14 0755 Total # of Containers Muaui Faurai DCSD 1561-1601 Turnaround Time Request PROJECT#: 597 O Standard 5 Business Days SITE ADDRESS: 0 2 Business Day Rush Ŏ Leona Miles and Tim Royer Next Business Day Rush SEND REPORT TO: O Same Day Rush (auth req.) SHIPMENT METHOD INVOICE TO: SPECIAL INSTRUCTIONS/COMMENTS: (IF DIFFERENT FROM ABOVE) Other: I0 business Days VIA: OUT STATE PROGRAM (if any): leona-miles@aem-net.com; tim-royer@aem-net.com VIA: Preserve at the Lab per protocol Fax? Y/N E-mail? Y/N; UPS MAIL COURIER CLIENT FedEx DATA PACKAGE: I II III IV QUOTE #: OTHER GREYHOUND 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. GW = Groundwater SE = Sediment SO = Soil SW = Surface Water DW=Drinking Water W = Water (Blanks) O = Other (specify)

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AES

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: 1413 E83

ADDRESS: ANALYSIS REQUESTED COMPANY: Visit our website 2580 Northeast Expressway, NE Atlanta Environmental Management, Inc www.aesatlanta.com Atlanta, GA 30345 200.8 to check on the status of Method 3 No # of Containers FAX: your results, place bottle (404) 329-2057 PHONE: (404) 329-9006 orders, etc. SIGNATURE: SAMPLED BY: Total Pb SAMPLED PRESERVATION (See codes) SAMPLE ID REMARKS # TIME DATE X  $\mathbf{DW}$ 0597-121516-CS-001-C 12/15/2016 0534  $\mathbf{DW}$  $\mathbf{X}$ 0597-121516-IM-001-A 12/15/2016 2 X DW0506 12/15/2016 0597-121516-IM-002-A 3 0457 X DW12/15/2016 0597-121516-SC-001-A 5 6 7 8 9 10 11 12 13 14 15 RECEIPT PROJECT INFORMATION DATE/TIME RECEIVED BY DATE/TIME RELINQUISHED BY 10/11/14 7:58 MM PROJECT NAME: Musuu Farurar Total # of Containers es 12/15/16 DCSD 1561-1601 Turnaround Time Request PROJECT #: 597 Standard 5 Business Days SITE ADDRESS: 0 2 Business Day Rush O Leona Miles and Tim Royer Next Business Day Rush SEND REPORT TO: O Same Day Rush (auth req.) INVOICE TO: SHIPMENT METHOD SPECIAL INSTRUCTIONS/COMMENTS: (IF DIFFERENT FROM ABOVE) Other: 10 business Days VIA: OUT STATE PROGRAM (if any): leona-miles@aem-net.com; tim-royer@aem-net.com VIA: Preserve at the Lab per protocol E-mail? Y/N; Fax? Y/N UPS MAIL COURIER CLIENT FedEx PO# DATA PACKAGE: I II III IV OUOTE#: 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.

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-DF-001-A

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:44:00 AM

 Lab ID:
 1612E82-001
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor Date Analyze		Analyst
Trace Elements by ICP/MS E200.8	;			<b>(E</b> 2	200.2)			
Lead	13.0	1.00		ug/L	235867	1	01/04/2017 16:58	JR

Date:

5-Jan-17

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

Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-DF-001-BProject Name:DCSD - 0597Collection Date:12/15/2016 5:45:00 AMLab ID:1612E82-002Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)9.34 1.00 ug/L 235867 01/04/2017 17:15 JR Lead

Date:

5-Jan-17

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

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-DF-001-C

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:46:00 AM

Lab ID:1612E82-003Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst	
Trace Elements by ICP/MS E200.8				(E2	200.2)				
Lead	9.04	1.00		ug/L	235867	1	01/04/2017 17:19	JR	

Date:

5-Jan-17

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

Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-DF-002-AProject Name:DCSD - 0597Collection Date:12/15/2016 5:40:00 AM

Lab ID:1612E82-004Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	13.9	1.00		ug/L	235867	1	01/04/2017 17:29	JR

Date:

5-Jan-17

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

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Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-DF-002-BProject Name:DCSD - 0597Collection Date:12/15/2016 5:41:00 AM

Lab ID:1612E82-005Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	12.6	1.00		ug/L	235867	1	01/04/2017 17:33	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

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Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-DF-003-AProject Name:DCSD - 0597Collection Date:12/15/2016 5:36:00 AMLab ID:1612E82-006Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2) $\operatorname{BRL}$ 1.00 ug/L 235867 01/04/2017 17:40 JR Lead

Date:

5-Jan-17

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

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-DF-003-B

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:37:00 AM

 Lab ID:
 1612E82-007
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)1.11 1.00 ug/L 235867 01/04/2017 17:43 JR Lead

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-DF-004-A

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:12:00 AM

Lab ID:1612E82-008Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	1.30	1.00		ug/L	235867	1	01/04/2017 17:47	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

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Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-DF-004-BProject Name:DCSD - 0597Collection Date:12/15/2016 5:13:00 AM

Lab ID:1612E82-009Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	1.45	1.00		ug/L	235867	1	01/04/2017 17:51	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-DF-005-A

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:14:00 AM

Lab ID: 1612E82-010 Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	BRL	1.00		ug/L	235867	' 1	01/04/2017 17:54	JR

Date:

5-Jan-17

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

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Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-DF-005-BProject Name:DCSD - 0597Collection Date:12/15/2016 5:15:00 AMLab ID:1612E82-011Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)1.19 1.00 ug/L 235867 01/04/2017 17:08 JR Lead

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-DF-006-A

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:21:00 AM

Lab ID:1612E82-012Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	11.6	1.00		ug/L	235867	' 1	01/04/2017 17:58	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

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Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-DF-006-BProject Name:DCSD - 0597Collection Date:12/15/2016 5:22:00 AMLab ID:1612E82-013Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)8.78 1.00 ug/L 235867 01/04/2017 18:01 JR Lead

Date:

5-Jan-17

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

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Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-DF-007-AProject Name:DCSD - 0597Collection Date:12/15/2016 5:23:00 AMLab ID:1612E82-014Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2) $\operatorname{BRL}$ 1.00 ug/L 235867 01/04/2017 18:12 JR Lead

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-DF-007-B

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:24:00 AM

 Lab ID:
 1612E82-015
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2) $\operatorname{BRL}$ 1.00 ug/L 235867 01/04/2017 18:15 JR Lead

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

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Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-DF-008-AProject Name:DCSD - 0597Collection Date:12/15/2016 5:00:00 AMLab ID:1612E82-016Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2) $\operatorname{BRL}$ 1.00 ug/L 235867 01/04/2017 18:19 JR Lead

Date:

5-Jan-17

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

Page 21 of 55

Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-DF-008-BProject Name:DCSD - 0597Collection Date:12/15/2016 5:01:00 AMLab ID:1612E82-017Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2) $\operatorname{BRL}$ 1.00 ug/L 235867 01/04/2017 18:22 JR Lead

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-DF-009-A

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:08:00 AM

 Lob ID:
 16/12/E2 018
 Matrix:
 Driphing Water

Lab ID:1612E82-018Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	5.36	1.00		ug/L	235867	1	01/04/2017 18:26	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 23 of 55

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-DF-009-B

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:09:00 AM

Lab ID:1612E82-019Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	5.31	1.00		ug/L	235867	1	01/04/2017 18:29	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 24 of 55

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-DF-010-A

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:02:00 AM

Lab ID: 1612E82-020 Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	1.38	1.00		ug/L	235867	1	01/04/2017 18:33	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-DF-010-B

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:03:00 AM

Lab ID:1612E82-021Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	1.61	1.00		ug/L	235868	1	01/04/2017 18:43	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-DF-011-A

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:13:00 AM

Lab ID:1612E82-022Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	2.72	1.00		ug/L	235868	1	01/04/2017 19:07	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

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Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-DF-011-BProject Name:DCSD - 0597Collection Date:12/15/2016 5:14:00 AMLab ID:1612E82-023Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)2.76 1.00 ug/L 235868 01/04/2017 19:11 JR Lead

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

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Lead

0597-12516-DF-012-A **Client:** Atlanta Environmental Mgmt **Client Sample ID:** Project Name: DCSD - 0597 **Collection Date:** 12/15/2016 5:28:00 AM Lab ID: Matrix: 1612E82-024 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2) $\operatorname{BRL}$ 1.00 ug/L 235868 01/04/2017 19:15 JR

Date:

5-Jan-17

Qualifiers:

Value exceeds maximum contaminant level

BRL Below reporting limit

Н Holding times for preparation or analysis exceeded

Analyte not NELAC certified

Analyte detected in the associated method blank

Greater than Result value

Estimated (value above quantitation range)

Spike Recovery outside limits due to matrix

See case narrative Not confirmed

Less than Result value

Estimated value detected below Reporting Limit

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**Client Sample ID:** 0597-12516-DF-012-B **Client:** Atlanta Environmental Mgmt Project Name: DCSD - 0597 **Collection Date:** 12/15/2016 5:29:00 AM Lab ID:

1612E82-025 Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	BRL	1.00		ug/L	235868	1	01/04/2017 19:18	JR

Date:

5-Jan-17

Qualifiers:

Value exceeds maximum contaminant level

BRL Below reporting limit

Н Holding times for preparation or analysis exceeded

Analyte not NELAC certified

Analyte detected in the associated method blank

Greater than Result value

E Estimated (value above quantitation range)

Spike Recovery outside limits due to matrix

Narr See case narrative

Not confirmed

Less than Result value

Estimated value detected below Reporting Limit

Page 30 of 55

Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-DF-013-AProject Name:DCSD - 0597Collection Date:12/15/2016 5:30:00 AM

Lab ID: 1612E82-026 Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	1.05	1.00		ug/L	235868	1	01/04/2017 19:22	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 31 of 55

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-DF-013-B

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:31:00 AM

Lab ID:1612E82-027Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	1.31	1.00		ug/L	235868	1	01/04/2017 19:25	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 32 of 55

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-TL-001-A

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:20:00 AM

 Lob ID:
 16/12/E23 029
 Matrix:
 Drinking Water

Lab ID:1612E82-028Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	7.46	1.00		ug/L	235868	1	01/04/2017 19:36	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 33 of 55

Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-TL-001-BProject Name:DCSD - 0597Collection Date:12/15/2016 5:21:00 AM

Lab ID: 1612E82-029 Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	BRL	1.00		ug/L	235868	1	01/04/2017 19:39	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 34 of 55

Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-RS-001-AProject Name:DCSD - 0597Collection Date:12/15/2016 5:48:00 AM

Lab ID:1612E82-030Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	7.82	1.00		ug/L	235868	1	01/04/2017 19:43	JR

Date:

5-Jan-17

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

Page 35 of 55

Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-RS-001-BProject Name:DCSD - 0597Collection Date:12/15/2016 5:49:00 AMLab ID:1612E82-031Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)1.57 1.00 ug/L 235868 01/04/2017 19:01 JR Lead

Date:

5-Jan-17

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

Page 36 of 55

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-RS-002-A

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:02:00 AM

Lab ID:1612E82-032Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	20.9	1.00		ug/L	235868	1	01/04/2017 19:46	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 37 of 55

Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-RS-002-BProject Name:DCSD - 0597Collection Date:12/15/2016 5:03:00 AMLab ID:1612E82-033Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)19.4 1.00 ug/L 235868 01/04/2017 19:50 JR Lead

Date:

5-Jan-17

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

Page 38 of 55

Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-RS-003-AProject Name:DCSD - 0597Collection Date:12/15/2016 5:16:00 AMLab ID:1612E82-034Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)11.1 1.00 ug/L 235868 01/04/2017 19:53 JR Lead

Date:

5-Jan-17

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

Page 39 of 55

Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-RS-003-BProject Name:DCSD - 0597Collection Date:12/15/2016 5:17:00 AMLab ID:1612E82-035Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2) $\operatorname{BRL}$ 1.00 ug/L 235868 01/04/2017 19:57 JR Lead

Date:

5-Jan-17

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

Page 40 of 55

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-RS-004-A

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:41:00 AM

 Lob ID:
 16/12/E3 036
 Matrix:
 Drinking Water

Lab ID:1612E82-036Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8	3			(E2	200.2)			
Lead	BRL	1.00		ug/L	235868	1	01/04/2017 20:31	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 41 of 55

Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-RS-004-BProject Name:DCSD - 0597Collection Date:12/15/2016 5:42:00 AMLab ID:1612E82-037Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2) $\operatorname{BRL}$ 1.00 ug/L 235868 01/04/2017 20:35 JR Lead

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 42 of 55

Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-RS-005-AProject Name:DCSD - 0597Collection Date:12/15/2016 5:52:00 AM

Lab ID:1612E82-038Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	9.38	1.00		ug/L	235868	1	01/04/2017 20:38	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 43 of 55

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-RS-005-B

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:53:00 AM

Lab ID:1612E82-039Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	BRL	1.00		ug/L	235868	1	01/04/2017 20:42	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 44 of 55

Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-CS-001-AProject Name:DCSD - 0597Collection Date:12/15/2016 5:30:00 AMLab ID:1612E82-040Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)1.11 1.00 ug/L 235868 01/04/2017 20:45 JR Lead

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 45 of 55

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-CS-001-B

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:32:00 AM

 Lab ID:
 1612E82-041
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2) $\operatorname{BRL}$ 1.00 ug/L 235841 01/04/2017 13:32 JR Lead

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 46 of 55

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-CS-001-C

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:31:00 AM

Lab ID:1612E82-042Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	1.18	1.00		ug/L	235841	1	01/04/2017 13:49	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 47 of 55

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-IM-001-A

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:34:00 AM

Lab ID:1612E82-043Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	1.83	1.00		ug/L	235841	. 1	01/04/2017 14:00	JR

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

Page 48 of 55

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-12516-IM-002-A

 Project Name:
 DCSD - 0597
 Collection Date:
 12/15/2016 5:06:00 AM

Lab ID:1612E82-044Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	BRL	1.00		ug/L	235500	1	12/27/2016 18:37	JS

Date:

5-Jan-17

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

Page 49 of 55

Client:Atlanta Environmental MgmtClient Sample ID:0597-12516-SC-001-AProject Name:DCSD - 0597Collection Date:12/15/2016 4:57:00 AMLab ID:1612E82-045Matrix:Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2) $\operatorname{BRL}$ 1.00 ug/L 235841 01/04/2017 14:03 JR Lead

Date:

5-Jan-17

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

Estimated value detected below Reporting Limit

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# Sample/Cooler Receipt Checklist

Client AM	Work Order Number
Checklist completed by Signature Da	115/3014 ate
Carrier name: FedEx UPS Courier Client (	US Mail Other
Shipping container/cooler in good condition?	Yes No Not Present
Custody seals intact on shipping container/cooler?	Yes No Not Present
Custody seals intact on sample bottles?	Yes No Not Present
Container/Temp Blank temperature in compliance? (0°≤6°C	
Cooler #1 <u>3.4°C</u> Cooler #2 Cooler #3	Cooler #4 Cooler#5 Cooler #6
Chain of custody present?	Yes No
Chain of custody signed when relinquished and received?	Yes Vo No
Chain of custody agrees with sample labels?	YesNo
Samples in proper container/bottle?	Yes No _
Sample containers intact?	Yes V No _
Sufficient sample volume for indicated test?	Yes No
All samples received within holding time?	Yes No _
Was TAT marked on the COC?	Yes No _
Proceed with Standard TAT as per project history?	Yes No Not Applicable
Water - VOA vials have zero headspace? No VOA vial	
Water - pH acceptable upon receipt?	Yes No Not Applicable
Adjusted?	Checked by
Sample Condition: Good Other(Explain)	
(For diffusive samples or AIHA lead) Is a known blank in	ncluded? Yes No 🗸

See Case Narrative for resolution of the Non-Conformance.

\\Aes\_server\I\Sample Receipt\My Documents\COCs and pH Adjustment Sheet\Sample\_Cooler\_Recipt\_Checklist\_Rev1.rtf

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

Client: Atlanta Environmental Mgmt

**Project Name:** DCSD - 0597 **Workorder:** 1612E82

#### ANALYTICAL QC SUMMARY REPORT

Date:

5-Jan-17

BatchID: 235500

Sample ID: MB-235500	Client ID:				Uni	ts: ug/L	Prej	Date: 12	/27/2016	Run No: <b>333105</b>
SampleType: MBLK	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 235500	Ana	alysis Date: 12	/27/2016	Seq No: <b>7258634</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Va	l %RPD	RPD Limit Qual
Lead	BRL	1.00								
Sample ID: LCS-235500	Client ID:				Uni	its: ug/L	Prej	Date: 12	/27/2016	Run No: <b>333105</b>
SampleType: LCS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 235500	Ana	alysis Date: 12	/27/2016	Seq No: <b>7258635</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Va	l %RPD	RPD Limit Qual
Lead	103.5	1.00	100.0	0.03774	103	85	115			
Sample ID: 1612M65-001AMS	Client ID:				Uni	its: ug/L	Pre	Date: 12	/27/2016	Run No: <b>333105</b>
SampleType: MS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 235500	Ana	llysis Date: 12	/27/2016	Seq No: <b>7258639</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Va	l %RPD	RPD Limit Qual
Lead	103.4	1.00	100.0	0.3720	103	70	130			
Sample ID: 1612M65-001AMSD	Client ID:				Uni	its: ug/L	Pre	Date: 12	/27/2016	Run No: <b>333105</b>
SampleType: MSD	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 235500	Ana	lysis Date: 12	/27/2016	Seq No: <b>7258640</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Va	l %RPD	RPD Limit Qual
Lead	101.1	1.00	100.0	0.3720	101	70	130	103.4	2.25	20

Qualifiers: > Greater than Result value

BRL Below reporting limit

Rpt Lim Reporting Limit

J Estimated value detected below Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

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Client: Atlanta Environmental Mgmt

**Project Name:** DCSD - 0597 **Workorder:** 1612E82

#### ANALYTICAL QC SUMMARY REPORT

Date:

5-Jan-17

BatchID: 235841

Sample ID: MB-235841	Client ID:				Uni	ts: ug/L	Prep Date:	01/04/2017	Run No: 333578
SampleType: MBLK	TestCode:	Trace Elements by ICP/N	IS E200.8		Bat	chID: 235841	Analysis Date:	01/04/2017	Seq No: <b>7271588</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPD	RPD Limit Qual
Lead	BRL	1.00							
Sample ID: LCS-235841	Client ID:				Uni	its: ug/L	Prep Date:	01/04/2017	Run No: 333578
SampleType: LCS	TestCode:	Trace Elements by ICP/M	1S E200.8		Bat	chID: 235841	Analysis Date:	01/04/2017	Seq No: <b>7271589</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPD	RPD Limit Qual
Lead	98.09	1.00	100.0		98.1	85	115		
Sample ID: <b>1612E82-041AMS</b>	Client ID:	0597-12516-CS-001-	В		Uni	its: ug/L	Prep Date:	01/04/2017	Run No: 333578
SampleType: MS	TestCode:	Trace Elements by ICP/M	1S E200.8		Bat	chID: 235841	Analysis Date:	01/04/2017	Seq No: <b>7271591</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPD	RPD Limit Qual
Lead	98.78	1.00	100.0	0.2650	98.5	70	130		
Sample ID: 1612G34-026AMS	Client ID:				Uni	its: ug/L	Prep Date:	01/04/2017	Run No: 333578
SampleType: MS	TestCode:	Trace Elements by ICP/N	1S E200.8		Bat	chID: 235841	Analysis Date:	01/04/2017	Seq No: <b>7271594</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPD	RPD Limit Qual
Lead	94.27	1.00	100.0	0.1630	94.1	70	130		
Sample ID: <b>1612E82-041AMSD</b>	Client ID:	0597-12516-CS-001-	В		Uni	ts: ug/L	Prep Date:	01/04/2017	Run No: 333578
SampleType: MSD	TestCode:	Trace Elements by ICP/N	1S E200.8		Bat	chID: 235841	Analysis Date:	01/04/2017	Seq No: <b>7271592</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPD	RPD Limit Qual
Lead	101.3	1.00	100.0	0.2650	101	70	130 98.78	3 2.48	20

Qualifiers: > Greater than Result value

BRL Below reporting limit

Rpt Lim Reporting Limit

J Estimated value detected below Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

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**Client:** Atlanta Environmental Mgmt

**Project Name:** DCSD - 0597 Workorder: 1612E82

#### ANALYTICAL QC SUMMARY REPORT

Date:

5-Jan-17

BatchID: 235867

Sample ID: MB-235867	Client ID:				Uni		Prep Date:	01/04/2017	Run No: <b>333580</b>
SampleType: MBLK	TestCode:	Trace Elements by ICP/M	1S E200.8		Bato	chID: <b>235867</b>	Analysis Da	ate: 01/04/2017	Seq No: <b>7271664</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD	Ref Val %RI	PD RPD Limit Qual
Lead	BRL	1.00							
Sample ID: LCS-235867 SampleType: LCS	Client ID: TestCode:	Trace Elements by ICP/M	1S E200.8		Unit Bate	ts: <b>ug/L</b> chID: <b>235867</b>	Prep Date: Analysis Da	01/04/2017 ate: 01/04/2017	Run No: <b>333580</b> Seq No: <b>7271665</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD	Ref Val %RI	PD RPD Limit Qual
Lead	97.67	1.00	100.0		97.7	85	115		
Sample ID: 1612E82-001AMS SampleType: MS		0597-12516-DF-001- Trace Elements by ICP/N			Unit Bate	ts: <b>ug/L</b> chID: <b>235867</b>	Prep Date: Analysis Da	01/04/2017 ate: 01/04/2017	Run No: <b>333580</b> Seq No: <b>7271667</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD	Ref Val %RI	PD RPD Limit Qual
Lead	109.0	1.00	100.0	13.02	96.0	70	130		
Sample ID: 1612E82-011AMS SampleType: MS		0597-12516-DF-005- Trace Elements by ICP/M			Unit Bate	ts: <b>ug/L</b> chID: <b>235867</b>	Prep Date: Analysis Da	01/04/2017 ate: 01/04/2017	Run No: <b>333580</b> Seq No: <b>7271670</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD	Ref Val %RI	PD RPD Limit Qual
Lead	99.58	1.00	100.0	1.189	98.4	70	130		
Sample ID: 1612E82-001AMSD SampleType: MSD		0597-12516-DF-001- Trace Elements by ICP/M			Unit Bate	ts: <b>ug/L</b> chID: <b>235867</b>	Prep Date: Analysis Da	01/04/2017 ate: 01/04/2017	Run No: <b>333580</b> Seq No: <b>7271668</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD	Ref Val %RI	PD RPD Limit Qual
Lead	111.5	1.00	100.0	13.02	98.5	70	130 1	09.0 2.2	26 20

Qualifiers: Greater than Result value

> BRL Below reporting limit

Estimated value detected below Reporting Limit

N Analyte not NELAC certified Rpt Lim Reporting Limit

S Spike Recovery outside limits due to matrix

E Estimated (value above quantitation range)

Less than Result value

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Page 54 of 55

**Client:** Atlanta Environmental Mgmt

**Project Name:** DCSD - 0597 Workorder: 1612E82

#### ANALYTICAL QC SUMMARY REPORT

Date:

5-Jan-17

BatchID: 235868

Sample ID: <b>MB-235868</b>	Client ID:				Uni	its: ug/L	Prep Date:	01/04/2017	Run No: 333581
SampleType: MBLK	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 235868	Analysis D	ate: 01/04/2017	Seq No: <b>7271705</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD	Ref Val %R	PD RPD Limit Qual
Lead	BRL	1.00							
Sample ID: LCS-235868	Client ID:				Uni		Prep Date:	01/04/2017	Run No: 333581
SampleType: LCS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 235868	Analysis D	ate: 01/04/2017	Seq No: <b>7271706</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD	Ref Val %R	PD RPD Limit Qual
Lead	101.6	1.00	100.0		102	85	115		
Sample ID: 1612E82-021AMS		0597-12516-DF-010-	_		Uni	O	Prep Date:	01/04/2017	Run No: 333581
SampleType: MS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 235868	Analysis D	ate: 01/04/2017	Seq No: <b>7271710</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD	Ref Val %R	PD RPD Limit Qual
Lead	97.80	1.00	100.0	1.607	96.2	70	130		
Sample ID: <b>1612E82-031AMS</b>		0597-12516-RS-001-	_		Uni	ts: ug/L	Prep Date:	01/04/2017	Run No: 333581
SampleType: MS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 235868	Analysis D	ate: 01/04/2017	Seq No: <b>7271713</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD	Ref Val %R	PD RPD Limit Qual
ead	100.4	1.00	100.0	1.573	98.8	70	130		
Sample ID: <b>1612E82-021AMSD</b>		0597-12516-DF-010-			Uni	ts: ug/L	Prep Date:	01/04/2017	Run No: 333581
SampleType: MSD	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 235868	Analysis D	ate: 01/04/2017	Seq No: <b>7271711</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD	Ref Val %R	PD RPD Limit Qual
ead	101.1	1.00	100.0	1.607	99.5	70	130 9	7.80 3.	34 20

Qualifiers: Greater than Result value

> BRL Below reporting limit

Rpt Lim Reporting Limit

Estimated value detected below Reporting Limit

Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Page 55 of 55

#### **Leona Miles**

From: NoReply@aesatlanta.net

**Sent:** Wednesday, October 11, 2017 3:54 PM

**To:** leona-miles@aem-net.com; tim-royer@aem-net.com

Subject: DCSD - 0597

**Attachments:** 1709R12\_REPORT.pdf; 1709R12Invoice.pdf

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

**AES Reporting System** 

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

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> and delete the message. Thank you

## ANALYTICAL ENVIRONMENTAL SERVICES, INC.



October 11, 2017

Leona Miles

Atlanta Environmental Mgmt

2580 NE Expressway

Atlanta

GA 30345

RE:

DCSD - 0597

Dear Leona Miles:

Order No:

1709R12

Analytical Environmental Services, Inc. received

10 samples on

9/29/2017 8:19:00 AM

for the analyses presented in following report.

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

AES's accreditations are as follows:

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

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

- -NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.
- -AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/17.

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

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

Sincerely,

Ioana Pacurar

Project Manager

Ivana Pacurar

# AES

#### ANALYTICAL ENVIRONMENTAL SERVICES, INC

CHAIN OF CUSTODY

Work Order: 1709R18

3080 Presidential Drive Atlanta GA 30340-3906

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

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COMPA		ADDRESS:	<sup>DDRESS:</sup> 2580 Northeast Expressway,							F	ANAL	YSIS	REQ	UESTI	ED				Visit our website	
Inc.	nta Environmental Management,		, GA 3034		sswa	y,													w.aesatlanta.com to	
PHONE	404-329-9006	FAX: 404-3	29-2057				<b>6</b>												neck on the status of or results, place bottle	iners
SAMPL	ED BY: Leona Miles	SIGNATURE:	mal	0			Lead (200.8)												orders, etc.	No#ofContainer
			MPLED		ų.	s)	Lead													No # 0N
#	SAMPLE ID	DATE TIME BY				Matrix (See codes)				I	PRESE	RVAT	ION (	See cod	es)	111	REMARKS			
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5	0597-092917-DF-014-B		0519	$\langle \cdot \rangle$		DW	X	1	tt	1		<u> </u>								
7	0597-092917- DF-015-A		0523	<b>/</b>		Dio	文			7										premium de de la companya de de la companya de de la companya de l
8	0597-092917-DF-015-B		0524	X		DW	X					Ī	T							ppeditions
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10	0597-092917-DF-016-B	V	0530	X		DW	X													**************************************
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14							<u> </u>												D.D.O.D.O.D.	
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2:	9/29/17 0819	Harr	uaseli	2001	ali	7819	_	JECT						60				$\dashv$	Turnaround Time Request	
3:	9/21/11 0011	3:	Joben	<u> </u>	<i>Φ</i> /μ	7017	SITE	E ADD	RESS:		0	5	17	processor.				1 🖰	Standard 5 Business Days 2 Business Day Rush	
		3: 0				SEN	D REI	ORT TO	);	Leo	)NC	( (	ALL.	es			╛⊑	Next Business Day Rush		
SPECIA	AL INSTRUCTIONS/COMMENTS:	SHIPMENT METHOD					OICE		OM A	POVE							╽╞	Same Day Rush (auth req.)		
Lat	to preserve	OUT / / VIA:					(IF DIFFERENT FROM ABOVE)							STATI	Other 10 Business Days E PROGRAM (if any):					
	·	CLIENT FedEx UPS MAIL COURIER													il? Y N; Fax? Y/N					
			EYHOUND DT				ì	TE#:						O#:		-			A PACKAGE: ☐I ☑II ☐III ☐	IV
	LES RECEIVED AFTER 3PM OR ON SATURDAY ARE CON							S MA	RKED C	N CO	C AES	WIL	L PRO	CEED	WITH	STAND	ARD TA	T.		
SAMP	LES ARE DISPOSED OF 30 DAYS AFTER COMPLETION O	F REPORT U	NLESS OTHER A	.KKANG1	LMENTS	S AKE MAD	Ŀ.													

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-092917-RS-002-A

 Project Name:
 DCSD - 0597
 Collection Date:
 9/29/2017 5:09:00 AM

 Lab ID:
 1709R12-001
 Matrix:
 Drinking Water

Reporting Dilution Result Qual Units BatchID Analyses Date Analyzed Analyst Factor Limit E200.8 **Trace Elements by ICP/MS** (E200.2)4.98 ug/L 249362 10/05/2017 02:08 Lead 1.00 JR

Date:

11-Oct-17

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

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-092917-RS-002-B

 Project Name:
 DCSD - 0597
 Collection Date:
 9/29/2017 5:10:00 AM

 Lab ID:
 1709R12-002
 Matrix:
 Drinking Water

Reporting Dilution Qual Units BatchID Analyses Result Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)2.84 1.00 ug/L 249362 10/05/2017 02:14 JR Lead

Date:

11-Oct-17

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

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-092917-RS-002-A2

 Project Name:
 DCSD - 0597
 Collection Date:
 9/29/2017 5:12:00 AM

 Lob ID:
 1700P12 002
 Matrix
 Drighting Western

Lab ID: 1709R12-003 Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	5.58	1.00		ug/L	249362	. 1	10/05/2017 02:20	JR

Date:

11-Oct-17

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

Client:Atlanta Environmental MgmtClient Sample ID:0597-092917-RS-002-B2Project Name:DCSD - 0597Collection Date:9/29/2017 5:13:00 AMLab ID:1709R12-004Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E2	200.8			(E2	200.2)			
Lead	2.52	1.00		ug/L	249362	1	10/05/2017 02:27	JR

Date:

11-Oct-17

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

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-092917-DF-014-A

 Project Name:
 DCSD - 0597
 Collection Date:
 9/29/2017 5:18:00 AM

 Lab ID:
 1709R12-005
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E	200.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	249362	. 1	10/05/2017 02:33	JR

Date:

11-Oct-17

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

Page 7 of 15

Client:Atlanta Environmental MgmtClient Sample ID:0597-092917-DF-014-BProject Name:DCSD - 0597Collection Date:9/29/2017 5:19:00 AMLab ID:1709R12-006Matrix:Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		BRL	1.00		ug/L	249362	2 1	10/05/2017 02:39	JR

Date:

11-Oct-17

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

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-092917-DF-015-A

 Project Name:
 DCSD - 0597
 Collection Date:
 9/29/2017 5:23:00 AM

Lab ID: 1709R12-007 Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	00.2)			
Lead	BRL	1.00		ug/L	249362	1	10/05/2017 02:46	JR

Date:

11-Oct-17

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

Client:Atlanta Environmental MgmtClient Sample ID:0597-092917-DF-015-BProject Name:DCSD - 0597Collection Date:9/29/2017 5:24:00 AMLab ID:1709R12-008Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E20	0.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	249399	1	10/05/2017 18:33	JR

Date:

11-Oct-17

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

Estimated value detected below Reporting Limit

Page 10 of 15

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-092917-DF-016-A

 Project Name:
 DCSD - 0597
 Collection Date:
 9/29/2017 5:29:00 AM

 Lab ID:
 1709R12-009
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2) $\operatorname{BRL}$ 1.00 ug/L 249399 10/05/2017 19:18 JR Lead

Date:

11-Oct-17

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

Estimated value detected below Reporting Limit

Page 11 of 15

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-092917-DF-016-B

 Project Name:
 DCSD - 0597
 Collection Date:
 9/29/2017 5:30:00 AM

 Lab ID:
 1709R12-010
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E2	00.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	249399	1	10/05/2017 19:24	JR

Date:

11-Oct-17

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



#### SAMPLE/COOLER RECEIPT CHECKLIST

Clear	Save as
-------	---------

1. Client Name: Atlanta Environmental Mgmt				AES Work Order Number:	AES Work Order Number: 1709R12						
2. Carrier: FedEx UPS USPS Client Courier Other											
	Yes	No	N/A	Details	Comments						
3. Shipping container/cooler received in good condition?	0		0	damaged leaking other							
4. Custody seals present on shipping container?		0	0								
5. Custody seals intact on shipping container?			0								
6. Temperature blanks present?	0		0								
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	0	0	0	Cooling initiated for recently collected samples / ice present							
8. Chain of Custody (COC) present?	0	0	0								
9. Chain of Custody signed, dated, and timed when relinquished and received?	0	0	Ō								
0. Sampler name and/or signature on COC?	0	0	Ö								
Were all samples received within holding time?	0	0	Ō								
2. TAT marked on the COC?	0	Ŏ	O	If no TAT indicated, proceeded with standard TAT per Ter	ms & Conditions.						
3. Cooler 1 Temperature 8.5 °C Cooler 2 Temperature			°C	<u> </u>	4 Temperature°C						
4. Cooler 5 Temperature OC Cooler 6 Temperature		C	C	Cooler 7 Temperature °C Cooler	8 Temperature°C						
5. Comments:											
				I certify that I have con	npleted sections 1-15 (dated initials).	TD 9/29/17					
	Yes	No	N/A	Details	Comments						
6. Were sample containers intact upon receipt?	<u> </u>			Details	Comments						
7. Custody seals present on sample containers?	$\mathbb{R}$	8	$+\times$								
8. Custody seals intact on sample containers?	8	8	8								
o. eustody seuls intact on sumple containers.				incomplete info illegible							
9. Do sample container labels match the COC?	•	O		no label other							
0. Are analyses requested indicated on the COC?	0	0	0	no laber outer							
Were all of the samples listed on the COC received?	0	0	Õ	samples received but not listed on COC samples listed on COC not received							
2. Was the sample collection date/time noted?	0	0		Sumples listed on ede not received							
3. Did we receive sufficient sample volume for indicated analyses?	8	1 X	$ \mathcal{H} $								
4. Were samples received in appropriate containers?	6	K	X								
5. Were VOA samples received without headspace (< 1/4" bubble)?	8	K	<u>7</u>								
6. Were trip blanks submitted?	$\vdash \bowtie$	18	ŏ	listed on COC not listed on COC							
				iisted oil coc iii iiot iisted oil coc iii							
7. Comments:											
				I certify that I have con	npleted sections 16-27 (dated initials).	BU 9/29/17					
This section only applies to samples where pH can be				•	. , ,						
checked at Sample Receipt.	Yes	No	N/A	Details T	Comments						
8. Have containers needing chemical preservation been checked? *	0	12	LQ.								
9. Containers meet preservation guidelines?	<u> </u>	I Q	I Q								
0. Was pH adjusted at Sample Receipt?	$\Box$	$\Box$	lacksquare								
* Note: Certain analyses require chemical preservation but must be checked in the lab	oratory a	and not up	oon Sam	ple Receipt such as Coliforms, VOCs and Oil & Grease/TPH.  I certify that I have con	npleted sections 28-30 (dated initials). Page 1	BU 9/29/17 3 of <del>15</del>					
					i age i	0 01 10					

Client: Atlanta Environmental Mgmt

**Project Name:** DCSD - 0597 **Workorder:** 1709R12

#### ANALYTICAL QC SUMMARY REPORT

Date:

11-Oct-17

BatchID: 249362

Sample ID: MB-249362	Client ID:	Trace Elements by ICP/N	1S E200.8		Uni	ts: <b>ug/L</b>	Prep Date:	10/04/2017	Run No: 353683
SampleType: MBLK	resicoue.	Trace Elements by IC1/N	15 1200.0		Dau	CHID. <b>249302</b>	Analysis Date:	10/04/2017	Seq No: <b>7782082</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	BRL	1.00							
Sample ID: LCS-249362	Client ID:				Uni	ts: ug/L	Prep Date:	10/04/2017	Run No: <b>353683</b>
SampleType: LCS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bate	chID: <b>249362</b>	Analysis Date:	10/04/2017	Seq No: <b>7782083</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	97.04	1.00	100.0		97.0	85	115		
Sample ID: 1709P61-021AMS	Client ID:				Uni	ts: ug/L	Prep Date:	10/04/2017	Run No: <b>353683</b>
SampleType: MS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bate	chID: <b>249362</b>	Analysis Date:	10/05/2017	Seq No: <b>7782085</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	97.95	1.00	100.0	2.067	95.9	70	130		
Sample ID: <b>1709P64-002AMS</b>	Client ID:				Uni	ts: ug/L	Prep Date:	10/04/2017	Run No: <b>353683</b>
SampleType: MS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bate	chID: <b>249362</b>	Analysis Date:	10/05/2017	Seq No: <b>7782090</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	92.83	1.00	100.0	0.9884	91.8	70	130		
Sample ID: <b>1709P61-021AMSD</b>	Client ID:				Uni	ts: ug/L	Prep Date:	10/04/2017	Run No: <b>353683</b>
SampleType: MSD	TestCode:	Trace Elements by ICP/M	IS E200.8		Bate	chID: <b>249362</b>	Analysis Date:	10/05/2017	Seq No: <b>7782086</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	95.47	1.00	100.0	2.067	93.4	70	130 97.95	5 2.57	20

Qualifiers: > Greater than Result value

BRL Below reporting limit

Rpt Lim Reporting Limit

J Estimated value detected below Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Page 14 of 15

Client: Atlanta Environmental Mgmt

**Project Name:** DCSD - 0597 **Workorder:** 1709R12

### ANALYTICAL QC SUMMARY REPORT

Date:

11-Oct-17

BatchID: 249399

Sample ID: MB-249399	Client ID:				Uni		Prep Date:	10/05/2017	Run No: <b>353785</b>
SampleType: MBLK	TestCode:	Trace Elements by ICP/N	1S E200.8		Bat	chID: <b>249399</b>	Analysis Date:	10/05/2017	Seq No: <b>7784692</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPE	RPD Limit Qual
Lead	BRL	1.00							
Sample ID: LCS-249399	Client ID:				Uni	ts: ug/L	Prep Date:	10/05/2017	Run No: <b>353785</b>
SampleType: LCS	TestCode:	Trace Elements by ICP/N	AS E200.8		Bat	chID: <b>249399</b>	Analysis Date:	10/05/2017	Seq No: <b>7784693</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPE	O RPD Limit Qual
Lead	95.58	1.00	100.0		95.6	85	115		
Sample ID: 1709R12-008AMS					Uni	ts: ug/L	Prep Date:	10/05/2017	Run No: <b>353785</b>
SampleType: MS	TestCode:	Trace Elements by ICP/N	1S E200.8		Bat	chID: <b>249399</b>	Analysis Date:	10/05/2017	Seq No: <b>7784695</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPE	RPD Limit Qual
Lead	95.65	1.00	100.0	0.6254	95.0	70	130		
Sample ID: 1709R15-002AMS	Client ID:				Uni	ts: ug/L	Prep Date:	10/05/2017	Run No: <b>353785</b>
SampleType: MS	TestCode:	Trace Elements by ICP/N	<b>IS E200.8</b>		Bat	chID: <b>249399</b>	Analysis Date:	10/05/2017	Seq No: <b>7784700</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPE	RPD Limit Qual
Lead	96.85	1.00	100.0		96.8	70	130		
Sample ID: 1709R12-008AMSD	Client ID:	0597-092917-DF-015	5-B		Uni	ts: ug/L	Prep Date:	10/05/2017	Run No: <b>353785</b>
SampleType: MSD	TestCode:	Trace Elements by ICP/N	AS E200.8		Bat	chID: <b>249399</b>	Analysis Date:	10/05/2017	Seq No: <b>7784696</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPE	RPD Limit Qual
Lead	96.48	1.00	100.0	0.6254	95.9	70	130 95.6	5 0.868	3 20

Qualifiers: > Greater than Result value

BRL Below reporting limit

Rpt Lim Reporting Limit

J Estimated value detected below Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Page 15 of 15

#### **Leona Miles**

From: NoReply@aesatlanta.net

Sent: Monday, November 13, 2017 4:00 PM

**To:** leona-miles@aem-net.com; tim-royer@aem-net.com

**Subject:** DCSD - 0597

**Attachments:** 1711065\_REPORT.pdf; 1711065Invoice.pdf

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

**AES Reporting System** 

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

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

DCSD - 0597

Dear Leona Miles:

Order No:

1711065

Analytical Environmental Services, Inc. received

12 samples on

11/1/2017 11:57:00 AM

for the analyses presented in following report.

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

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

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

- -NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.
- -AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 12/01/17.

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

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

Sincerely,

Ioana Pacurar

Project Manager

Ivana Pacurar

CHAIN OF CUSTODY

Work Order:

ANALYTICAL ENVIRONMENTAL SERVICES, INC 3080 Presidential Drive, Atlanta GA 30340-3704

PHONE: SAMPLED BY:		2580 Northeast Expressway NE Atlanta, GA 30345				ANALYSIS REQUESTED						Visit our website www.aesatlanta.com				
SAAMUED DV.	404-329-9006	FAX:	404-329-	2057		100	200.8)								to check on the status of your results, place bottle	99
SAMPLED BY:	Andy Jensen	SIGNATURE	Ages	e			Lead (2								orders, etc.	No # of Containers
	The state of the s	SA	MPLED		2	(S)	ĭ								Committee of the	# oN
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)	I		P	RESERVA	TION (Se	e codes)	TT	$\Box$	REMARKS	
1	0597-110117-CS-00Z-A	11/1/17	0530	X	0	Die	X		11	1				$\forall$		E
2	0597-110117-CS-00Z-B		0531	X		Did	X									1
3	0597-110117-CS-003-A		0532	X		DW	X									1
4	0597-110117-C5-003-B		0533	X		Diw	X								7 7 7 7 7 7 7	1
5	0597-110117-C5-004-A		0534	X		Dev	X								- 76 TO 3	1
6	0597-110117-C5-004-B		0535	X		Did	K									t
7	0597-11017-C5-005-A		0536	X		Dw	X							-	LY MALE TO THE LE	1
8	0597-110117-C5-005-B		0537	X	- 57 1	DW	X							$\Box$		1
9	0597-11017-15-606-A		0538	X		DW	X	7				100	1		EST HE WARRY	1
10	0597-110117-65-006-8		0539	X		DW	X									1
11	0597-110117-05-007-4		0540	X		DW.	X									1
12	0597-110117-65-007-8	V	0541	X		DW	X									1
13			177												To the Project No.	
14															T-12 TH 100	
15																
RELINQUISHED	BY DATE/TIME	RECEIVED B	BY		1	DATE/TIME				ROJECT	NFORM	ATION			RECEIPT	
Hes	30 11/17 1157	List	by!	1/1/17	115	7	PROJEC	CT NAM	D	CSD					Total # of Containers	
		2: /					PROJEC	ar out many		561-10					Turnaround Time Request	
3::		3:		-	_		SITE AI	DDRESS	0	39-	7				Standard 5 Business Days 2 Business Day Rush	
		THE STATE OF					SEND R	REPORT	TO:	leon	a-miles	@aem-	net.com	$\neg$	2 Business Day Rush Next Business Day Rush	
,	UCTIONS/COMMENTS:	SHIPMENT METHOD II						Leona M FROM AI	liles					Same Day Rush (auth req.) Other: 10 business Days		
F	reserve at (4)	IN VIA: CLIENT FEDEX UPS MAIL COURIER				And the second of the second o						STATE PROGRAM (if any): E-mail? Y/N; Fax? Y/N				
	1071	GRI	EYHOUND O	THER			QUOTE #: PO#: AT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.				I	DATA PACKAGE: I II III	IV			

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-110117-CS-002-A

 Project Name:
 DCSD - 0597
 Collection Date:
 11/1/2017 5:30:00 AM

 Lab ID:
 1711065-001
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E2	00.8			(E2	200.2)			
Lead	18.9	1.00		ug/L	251070	1	11/10/2017 19:03	TA

Date:

13-Nov-17

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

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-110117-CS-002-B

 Project Name:
 DCSD - 0597
 Collection Date:
 11/1/2017 5:31:00 AM

 Lab ID:
 1711065-002
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)1.01 1.00 ug/L 251070 11/10/2017 19:05 TA Lead

Date:

13-Nov-17

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

Estimated value detected below Reporting Limit

Page 4 of 16

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-110117-CS-003-A

 Project Name:
 DCSD - 0597
 Collection Date:
 11/1/2017 5:32:00 AM

 Lab ID:
 1711065-003
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)10.0 1.00 ug/L 251070 11/10/2017 19:07 TA Lead

Date:

13-Nov-17

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

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-110117-CS-003-B

 Project Name:
 DCSD - 0597
 Collection Date:
 11/1/2017 5:33:00 AM

 Lab ID:
 1711065-004
 Matrix:
 Drinking Water

Analyses		Result	Result Reporting Qual Units BatchID		Dilution Factor	Date Analyzed	Analyst		
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		BRL	1.00		ug/L	251070	1	11/10/2017 19:08	TA

Date:

13-Nov-17

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

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-110117-CS-004-A

 Project Name:
 DCSD - 0597
 Collection Date:
 11/1/2017 5:34:00 AM

 Lab ID:
 1711065-005
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst	
Trace Elements by ICP/MS E200.8		(E200.2)							
Lead	6.47	1.00		ug/L	251070	1	11/10/2017 19:10	TA	

Date:

13-Nov-17

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

Estimated value detected below Reporting Limit

Page 7 of 16

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-110117-CS-004-B

 Project Name:
 DCSD - 0597
 Collection Date:
 11/1/2017 5:35:00 AM

 Lab ID:
 1711065-006
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8	(E200.2)							
Lead		BRL	1.00		ug/L	251070	1	11/10/2017 19:12	TA

Date:

13-Nov-17

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

Page 8 of 16

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-110117-CS-005-A

 Project Name:
 DCSD - 0597
 Collection Date:
 11/1/2017 5:36:00 AM

 Lab ID:
 1711065-007
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)4.30 1.00 ug/L 251070 11/10/2017 19:14 TA Lead

Date:

13-Nov-17

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

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-110117-CS-005-B

 Project Name:
 DCSD - 0597
 Collection Date:
 11/1/2017 5:37:00 AM

 Lab ID:
 1711065-008
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		BRL	1.00		ug/L	251070	1	11/10/2017 19:16	TA

Date:

13-Nov-17

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

Estimated value detected below Reporting Limit

Page 10 of 16

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-110117-CS-006-A

 Project Name:
 DCSD - 0597
 Collection Date:
 11/1/2017 5:38:00 AM

 Lab ID:
 1711065-009
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	5.72	1.00		ug/L	251070	1	11/10/2017 18:59	TA

Date:

13-Nov-17

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

Estimated value detected below Reporting Limit

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-110117-CS-006-B

 Project Name:
 DCSD - 0597
 Collection Date:
 11/1/2017 5:39:00 AM

 Lab ID:
 1711065-010
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E2	200.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	251070	1	11/10/2017 19:23	TA

Date:

13-Nov-17

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

Estimated value detected below Reporting Limit

Page 12 of 16

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-110117-CS-007-A

 Project Name:
 DCSD - 0597
 Collection Date:
 11/1/2017 5:40:00 AM

 Lab ID:
 1711065-011
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E	E200.8			(E2	200.2)			
Lead	9.96	1.00		ug/L	251070	1	11/10/2017 19:25	TA

Date:

13-Nov-17

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

Estimated value detected below Reporting Limit

Page 13 of 16

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-110117-CS-007-B

 Project Name:
 DCSD - 0597
 Collection Date:
 11/1/2017 5:41:00 AM

 Lab ID:
 1711065-012
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				<b>(E</b> 2	200.2)			
Lead		1.35	1.00		ug/L	251070	) 1	11/10/2017 19:27	TA

Date:

13-Nov-17

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

Estimated value detected below Reporting Limit

Page 14 of 16



# 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 leaking other	
4. Custody seals present on shipping container?					
5. Custody seals intact on shipping container?					
6. Temperature blanks present?					
Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for				Cooling initiated for recently collected samples / ice	
7. temperature recordings.]				present	
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 Te	rms & Conditions
				in no 1711 maicatea, proceeded with standard 1711 per re	This & conditions.
13. Cooler 1 Temperature OC Cooler 2 Temperature		(	C	Cooler 3 Temperature °C Coole	r 4 Temperature°C
Cooler 5 Temperature °C Cooler 6 Temperature			C.		r 8 Temperature °C
15. Comments:					
				I certify that I have co	mpleted sections 1-15 (dated initials).
				•	• • • • • • • • • • • • • • • • • • • •
46 W	Yes	No	N/A	Details I	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 illegible no label other	
20. Are analyses requested indicated on the COC?					
				samples received but not listed on COC	
21. Were all of the samples listed on the COC received?				samples listed on COC not received	
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 not listed on COC	
27. Comments:	-	-	-		
				I certify that I have co	mpleted sections 16-27 (dated initials).
				•	
	Voc	Nο	NI/A		Comments
Have containers needing chemical preservation been checked? *	Yes	No	N/A	Details I	Comments
28. Have containers needing chemical preservation been checked? *	Yes	No	N/A	Details	Comments
<ul> <li>28. Have containers needing chemical preservation been checked? *</li> <li>29. Containers meet preservation guidelines?</li> <li>30. Was pH adjusted at Sample Receipt?</li> </ul>	Yes	No	N/A	Details	Comments

Atlanta Environmental Mgmt **Client:** 

**Project Name:** DCSD - 0597 Workorder: 1711065

# ANALYTICAL QC SUMMARY REPORT

Date:

13-Nov-17

BatchID: 251070

Sample ID: MB-251070	Client ID:				Uni	ts: ug/L	Prep Date:	11/06/2017	Run No: <b>356634</b>
SampleType: MBLK	TestCode:	Trace Elements by ICP/M	IS E200.8		Bate	chID: 251070	Analysis Date:	11/10/2017	Seq No: <b>7856900</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref	'Val %RPD	RPD Limit Qual
Lead	BRL	1.00							
Sample ID: LCS-251070 Sample Type: LCS	Client ID: TestCode:	Trace Elements by ICP/M	IS E200.8		Uni Bat	ts: <b>ug/L</b> chID: <b>251070</b>	Prep Date: Analysis Date:	11/06/2017 11/10/2017	Run No: <b>356634</b> Seq No: <b>7856901</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref	Val %RPD	RPD Limit Qual
Lead	101.8	1.00	100.0		102	85	115		
Sample ID: 1711064-001AMS Sample Type: MS	Client ID: TestCode:	Trace Elements by ICP/M	IS E200.8		Uni Bat	ts: <b>ug/L</b> chID: <b>251070</b>	Prep Date: Analysis Date:	11/06/2017 11/10/2017	Run No: <b>356634</b> Seq No: <b>7856903</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref	'Val %RPD	RPD Limit Qual
Lead	102.1	1.00	100.0	0.5268	102	70	130		
Sample ID: 1711065-009AMS SampleType: MS		0597-110117-CS-006- Trace Elements by ICP/M			Uni Bat	ts: <b>ug/L</b> chID: <b>251070</b>	Prep Date: Analysis Date:	11/06/2017 11/10/2017	Run No: <b>356634</b> Seq No: <b>7856909</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref	'Val %RPD	RPD Limit Qual
Lead	109.7	1.00	100.0	5.721	104	70	130		
Sample ID: 1711064-001AMSD SampleType: MSD	Client ID: TestCode:	Trace Elements by ICP/M	IS E200.8		Uni Bate	ts: <b>ug/L</b> chID: <b>251070</b>	Prep Date: Analysis Date:	11/06/2017 11/10/2017	Run No: <b>356634</b> Seq No: <b>7856904</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref	'Val %RPD	RPD Limit Qual
Lead	98.13	1.00	100.0	0.5268	97.6	70	130 102.1	3.97	20

Qualifiers: Greater than Result value

> BRL Below reporting limit

Estimated value detected below Reporting Limit

Rpt Lim Reporting Limit

N Analyte not NELAC certified S Spike Recovery outside limits due to matrix

Less than Result value

E Estimated (value above quantitation range)

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Page 16 of 16

### **Leona Miles**

From: NoReply@aesatlanta.net

Sent: Wednesday, November 29, 2017 9:20 AM

**To:** leona-miles@aem-net.com; tim-royer@aem-net.com

Subject: DCSD - 0597

**Attachments:** 1711K77\_REPORT.pdf; 1711K77Invoice.pdf

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

**AES Reporting System** 

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

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

# ANALYTICAL ENVIRONMENTAL SERVICES, INC.



November 29, 2017

Leona Miles

Atlanta Environmental Mgmt

2580 NE Expressway

Atlanta

GA

30345

RE:

DCSD - 0597

Leona Miles: Dear

Order No:

1711K77

Analytical Environmental Services, Inc. received

2

samples on

11/21/2017 8:58:00 AM

for the analyses presented in following report.

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

AES's accreditations are as follows:

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

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

- -NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.
- -AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.

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

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

Sincerely,

Ioana Pacurar

Project Manager

IDang Pacurar

# AES

# 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: 1711K7

	Atlanta Environmental Management, Inc	ADDRESS:	2580 Northe Atlanta, GA	east Exp	pressw	ay, NE			_	AN	ALYS	IS REC	QUESTI	ED			Visit our website	
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	DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT  A = Air GW = Groundwater SE = Sediment SO = Soil	UNLESS OTHE	R ARRANGEM	ENTS AF	RE MAD	E.												

Client: Atlanta Environmental Mgmt

Project: DCSD - 0597

Lab ID: 1711K77

Case Narrative

Date:

29-Nov-17

### Turnaround Time Adjustment:

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

Client:Atlanta Environmental MgmtClient Sample ID:0597-112117-CS-002-AProject Name:DCSD - 0597Collection Date:11/21/2017 5:07:00 AMLab ID:1711K77-001Matrix:Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		4.73	1.00		ug/L	252051	. 1	11/28/2017 13:23	TA

Date:

29-Nov-17

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

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 0597-112117-CS-002-B

 Project Name:
 DCSD - 0597
 Collection Date:
 11/21/2017 5:08:00 AM

 Lab ID:
 1711K77-002
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	BRL	1.00		ug/L	252051	1	11/28/2017 13:29	TA

Date:

29-Nov-17

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	e:				AES Work Order Numbe	r:
2. Carrier: Fe	edEx UPS USPS Client Courier Other				<u> </u>	
		Yes	No	N/A	Details	Comments
3. Shipping co	entainer/cooler received in good condition?				damaged leaking other	
4. Custody sea	als present on shipping container?					
5. Custody sea	als intact on shipping container?					
6. Temperatur	re blanks present?					
Cooler temr	perature(s) within limits of 0-6°C? [See item 13 and 14 for				Cooling initiated for recently collected samples / ice	
7. temperature	re recordings.]				present	
8. Chain of Cus	stody (COC) present?					
9. Chain of Cus	stody signed, dated, and timed when relinquished and received?					
10. Sampler nar	me and/or signature on COC?					
11. Were all sa	amples received within holding time?					
12. TAT marke	ed on the COC?				If no TAT indicated, proceeded with standard TAT per Te	erms & Conditions.
13. Cooler 1 To	emperature °C Cooler 2 Temperature			°C		er 4 Temperature °C
Cooler 5 Te	emperature °C Cooler 6 Temperature		•	°C	Cooler 7 Temperature °C Coole	er 8 Temperature °C
15. Comments	s:					
					I certify that I have co	impleted sections 1-15 (dated initials).
		Yes	No	N/A	Details	Comments
16 Word sampl	ele containers intact upon receipt?	I	I	T N/A	T Details	Comments
	als present on sample containers?					
	als intact on sample containers?					
18. Custody sea	als intact on sample containers:				incomplete info   illegible	
19. Do sample o	container labels match the COC?				incomplete info illegible	
20 Are analyse	es requested indicated on the COC?				no label	
20. Are arranyse.	is requested indicated on the COC:				samples received but not listed on COC	
21. Were all of	the samples listed on the COC received?					
22 Was the san	mple collection date/time noted?				samples listed on COC not received	
	eive sufficient sample volume for indicated analyses?					
	eles received in appropriate containers?					
	samples received without headspace (< 1/4" bubble)?					
	lanks submitted?				listed on COC not listed on COC	
20. Were trip bi	nains submitteu:	ļ	ļ	<u> </u>	listed on COC not listed on COC	
27. Comments:	·					
					I certify that I have co	ompleted sections 16-27 (dated initials).
		Yes	No	N/A	Details	Comments
28. Have contai	iners needing chemical preservation been checked? *	1	1	1.,,,	1	
	meet preservation guidelines?					
	usted at Sample Receipt?					
	r r	1		1	1	<u></u>

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

Client: Atlanta Environmental Mgmt

**Project Name:** DCSD - 0597 **Workorder:** 1711K77

# ANALYTICAL QC SUMMARY REPORT

Date:

29-Nov-17

BatchID: 252051

Sample ID: MB-252051	Client ID:				Uni	ts: ug/L	Prej	Date: 11/2	8/2017	Run No: 357783
SampleType: MBLK	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: <b>252051</b>	Ana	lysis Date: 11/2	8/2017	Seq No: <b>7886338</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Lead	BRL	1.00								
Sample ID: LCS-252051	Client ID:				Uni	ts: ug/L	Prej	Date: 11/2	8/2017	Run No: 357783
SampleType: LCS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: <b>252051</b>	Ana	lysis Date: 11/2	8/2017	Seq No: <b>7886339</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Lead	98.32	1.00	100.0		98.3	85	115			
Sample ID: <b>1711K77-001AMS</b>	Client ID:	0597-112117-CS-002-	-A		Uni	ts: ug/L	Prej	Date: 11/2	8/2017	Run No: 357783
SampleType: MS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: <b>252051</b>	Ana	lysis Date: 11/2	8/2017	Seq No: <b>7886341</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Lead	104.0	1.00	100.0	4.729	99.2	70	130			
Sample ID: <b>1711K77-001AMSD</b>	Client ID:	0597-112117-CS-002-	-A		Uni	ts: ug/L	Pre	Date: 11/28	8/2017	Run No: 357783
SampleType: MSD	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 252051	Ana	lysis Date: 11/2	8/2017	Seq No: <b>7886342</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Lead	103.2	1.00	100.0	4.729	98.5	70	130	104.0	0.720	20

Qualifiers: > Greater than Result value

BRL Below reporting limit

Rpt Lim Reporting Limit

J Estimated value detected below Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Page 7 of 7