



November 7, 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  
Kingsley Elementary School (Facility ID #5059)  
2051 Brendon Drive, Atlanta, Georgia 30338  
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 Kingsley Elementary School (Facility ID #5059).

Initial sampling was conducted on November 15, 2016, and analytical results were received from Analytical Environmental Services, Inc., on November 30, 2016. Additional drinking water samples from select source units were collected on April 5, 2017, and September 21, 2017, and analytical results were received from Analytical Environmental Services, Inc., on April 19, 2017, and October 2, 2017.

## **FINDINGS**

### ***Initial Testing***

AEM collected 45 drinking water samples from 22 sources at Kingsley Elementary School (Facility ID #5059), including two duplicate samples. A description of the drinking water outlets sampled and a summary of sample analytical results are provided in the attached table.

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

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

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

During the initial sampling event on November 15, 2016, the service connection could not be located for sampling. On April 5, 2017, AEM collected a sample of the service connection entry into the building. A description of the drinking water outlet sampled and a summary of sample analytical results are provided in the attached table.

The sample collected from the service connection did not exceed EPA's action level of 15 ppb.

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

During the initial sampling event on November 15, 2016, two source units were sampled and the analytical results indicated that the results were above EPA's action level of 15 ppb. DCSD replaced the source units and AEM collected four drinking water samples on April 5, 2017.


None of the samples from source unit KS-004 had a drinking water sample result that contained lead at a concentration at or above EPA's action level of 15 ppb. One or more of the samples collected from source unit KS-006 exceeded the EPA action level of 15 ppb. Source unit KS-006 remained out of service so that additional remediation measures could be evaluated.

A filter was added to the bubbler of KS-006 and retesting was conducted on September 21, 2017. None of the samples collected from KS-006 contained lead at a concentration exceeding EPA's action level of 15 ppb. A description of the drinking water outlet sampled and a summary of sample analytical results are provided in the attached table.

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

Sincerely,

**Atlanta Environmental Management, Inc.**

  
Leona Miles, CHMM  
Senior Project Manager

  
Janet T. Hart  
President

/krf

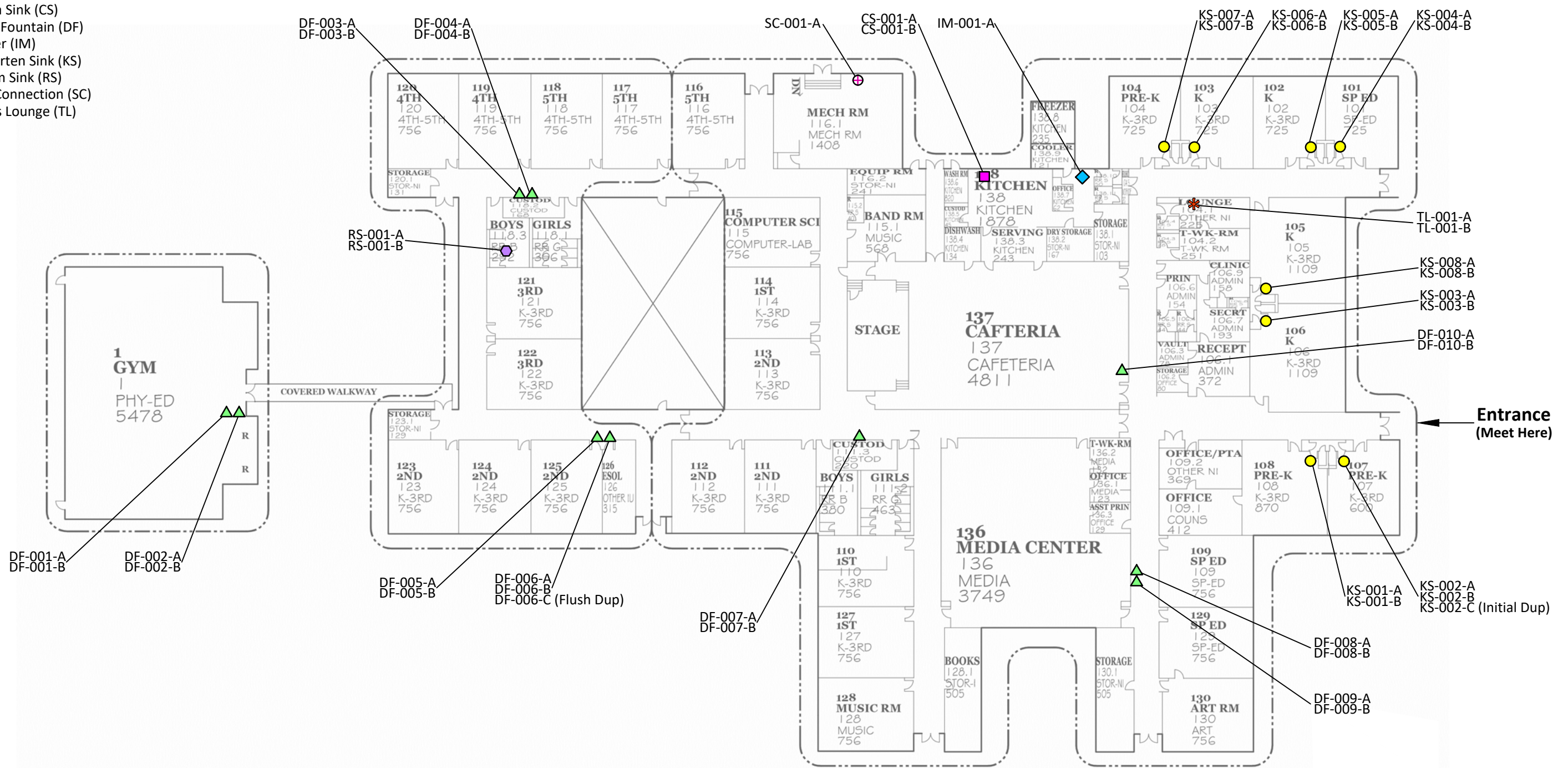
cc: Daniel Drake (DCSD)  
Tracee Hill (DCSD)

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# FIGURE


# Legend

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



OVERALL FLOOR PLAN  
NOT TO SCALE



 <b>Atlanta Environmental Management, Inc.</b> Environmental Consulting, Engineering, Hydrogeologic Services 2580 Northeast Expressway • Atlanta, Georgia 30345 Phone: 404.329.9006 • Fax: 404.329.2057		Client: DeKalb County School District Site Location: Kingsley Elementary Facility (#5059) 2051 Brendon Drive Atlanta, GA 30338	
PROJECT #:	1561-1601-5059	DATE:	October 17, 2017
DRAWN BY:	AL	REVISED:	----
CHECKED BY:	TR	SCALE:	NTS
PROJECT MGR:	LM	PRINTED:	10/17/2017 5:41 PM
<b>Sample Location Plan</b>			Figure <b>1</b>

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# TABLE

**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results**  
**Kingsley Elementary School**  
**2051 Brendon Drive, Atlanta, GA 30338**



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
5059-111516-DF-001-A	Initial Draw sample; Upper Left wall mounted Oasis Drinking Fountain in Gym; Leaking from base of head	11/15/16 6:35 AM	None Detected
5059-111516-DF-001-B	Flush sample; Upper Left wall mounted Oasis Drinking Fountain in Gym; Leaking from base of head	11/15/16 6:36 AM	None Detected
5059-111516-DF-002-A	Initial Draw sample; Lower Right wall mounted Oasis Drinking Fountain in Gym; Leaking from base of head	11/15/16 6:37 AM	None Detected
5059-111516-DF-002-B	Flush sample; Lower Right wall mounted Oasis Drinking Fountain in Gym; Leaking from base of head	11/15/16 6:38 AM	None Detected
5059-111516-DF-003-A	Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain in hallway to right of Boys RR/Rm 118.3	11/15/16 6:29 AM	None Detected
5059-111516-DF-003-B	Flush sample; Lower Right wall mounted Elkay Drinking Fountain in hallway to right of Boys RR/Rm 118.3	11/15/16 6:30 AM	None Detected
5059-111516-DF-004-A	Initial Draw sample; Upper Left wall mounted Elkay Drinking Fountain in hallway to right of Boys RR/Rm 118.3	11/15/16 6:31 AM	None Detected
5059-111516-DF-004-B	Flush sample; Upper Left wall mounted Elkay Drinking Fountain in hallway to right of Boys RR/Rm 118.3	11/15/16 6:32 AM	None Detected
5059-111516-DF-005-A	Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain in hallway to left of Rm 126	11/15/16 6:22 AM	None Detected
5059-111516-DF-005-B	Flush sample; Lower Right wall mounted Elkay Drinking Fountain in hallway to left of Rm 126	11/15/16 6:23 AM	None Detected
5059-111516-DF-006-A	Initial Draw sample; Upper Left wall mounted Elkay Drinking Fountain in hallway to left of Rm 126	11/15/16 6:19 AM	None Detected
5059-111516-DF-006-B	Flush sample; Upper Left wall mounted Elkay Drinking Fountain in hallway to left of Rm 126	11/15/16 6:20 AM	None Detected
5059-111516-DF-006-C	Flush Duplicate sample; Upper Left wall mounted Elkay Drinking Fountain in hallway to left of Rm 126	11/15/16 6:21 AM	None Detected
5059-111516-DF-007-A	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in hallway near Boys RR/Rm 111.1	11/15/16 6:15 AM	None Detected
5059-111516-DF-007-B	Flush sample; Single wall mounted Elkay Drinking Fountain in hallway near Boys RR/Rm 111.1	11/15/16 6:16 AM	None Detected



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Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
5059-111516-DF-008-A	Initial Draw sample; Upper Right wall mounted Elkay Drinking Fountain in hallway across from Rm 109	11/15/16 6:08 AM	None Detected
5059-111516-DF-008-B	Flush sample; Upper Right wall mounted Elkay Drinking Fountain in hallway across from Rm 109	11/15/16 6:09 AM	None Detected
5059-111516-DF-009-A	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway across from Rm 109	11/15/16 6:10 AM	None Detected
5059-111516-DF-009-B	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway across from Rm 109	11/15/16 6:11 AM	None Detected
5059-111516-DF-010-A	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in Cafeteria	11/15/16 5:24 AM	None Detected
5059-111516-DF-010-B	Flush sample; Single wall mounted Elkay Drinking Fountain in Cafeteria	11/15/16 5:25 AM	1.14
5059-111516-KS-001-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 108; Sampled bubbler; Faucet dripping on arrival	11/15/16 5:58 AM	7.30
5059-111516-KS-001-B	Flush sample; Kindergarten Sink with bubbler in Rm 108; Sampled bubbler; Faucet dripping on arrival	11/15/16 5:59 AM	None Detected
5059-111516-KS-002-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 107; Sampled bubbler; Faucet dripping on arrival	11/15/16 6:02 AM	1.50
5059-111516-KS-002-B	Flush sample; Kindergarten Sink with bubbler in Rm 107; Sampled bubbler; Faucet dripping on arrival	11/15/16 6:04 AM	None Detected
5059-111516-KS-002-C	Initial Draw Duplicate sample; Kindergarten Sink with bubbler in Rm 107; Sampled bubbler; Faucet dripping on arrival	11/15/16 6:03 AM	1.58
5059-111516-KS-003-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 106; Sampled bubbler; Faucet running on arrival	11/15/16 5:54 AM	2.13
5059-111516-KS-003-B	Flush sample; Kindergarten Sink with bubbler in Rm 106; Sampled bubbler; Faucet running on arrival	11/15/16 5:55 AM	None Detected
5059-111516-KS-004-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 101; Sampled bubbler; Faucet dripping on arrival	11/15/16 5:40 AM	<b>32.6</b>
5059-111516-KS-004-B	Flush sample; Kindergarten Sink with bubbler in Rm 101; Sampled bubbler; Faucet dripping on arrival	11/15/16 5:41 AM	2.13
5059-040517-KS-004-A	Initial Draw sample; Retest Kindergarten Sink with bubbler in Rm 101; Sampled bubbler	4/5/17 5:03 AM	13.1

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Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
5059-040517-KS-004-B	Flush sample; Retest Kindergarten Sink with bubbler in Rm 101; Sampled bubbler	4/5/17 5:04 AM	3.25
5059-111516-KS-005-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 102; Sampled bubbler; Faucet dripping on arrival	11/15/16 5:36 AM	2.04
5059-111516-KS-005-B	Flush sample; Kindergarten Sink with bubbler in Rm 102; Sampled bubbler; Faucet dripping on arrival	11/15/16 5:37 AM	2.06
5059-111516-KS-006-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 103; Sampled bubbler; Faucet dripping on arrival	11/15/16 5:32 AM	<b>21.1</b>
5059-111516-KS-006-B	Flush sample; Kindergarten Sink with bubbler in Rm 103; Sampled bubbler; Faucet dripping on arrival	11/15/16 5:33 AM	None Detected
5059-040517-KS-006-A	Initial Draw sample; Retest Kindergarten Sink with bubbler in Rm 103; Sampled bubbler	4/5/17 5:00 AM	<b>24.9</b>
5059-040517-KS-006-B	Flush sample; Retest Kindergarten Sink with bubbler in Rm 103; Sampled bubbler	4/5/17 5:01 AM	<b>18.6</b>
5059-092117-KS-006-A	Initial Draw sample; Retest Kindergarten Sink with bubbler in Rm 103; Sampled bubbler; filter added	9/21/17 5:30 AM	1.81
5059-092117-KS-006-B	Flush sample; Retest Kindergarten Sink with bubbler in Rm 103; Sampled bubbler; filter added	9/21/17 5:31 AM	None Detected
5059-111516-KS-007-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 104; Sampled bubbler; Faucet dripping on arrival	11/15/16 5:28 AM	8.81
5059-111516-KS-007-B	Flush sample; Kindergarten Sink with bubbler in Rm 104; Sampled bubbler; Faucet dripping on arrival	11/15/16 5:29 AM	2.80
5059-111516-KS-008-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 105; Sampled bubbler	11/15/16 5:46 AM	5.08
5059-111516-KS-008-B	Flush sample; Kindergarten Sink with bubbler in Rm 105; Sampled bubbler	11/15/16 5:47 AM	None Detected
5059-111516-RS-001-A	Initial Draw sample; Boys RR/Rm 118.3; Sampled far left sink	11/15/16 6:25 AM	None Detected
5059-111516-RS-001-B	Flush sample; Boys RR/Rm 118.3; Sampled far left sink	11/15/16 6:26 AM	None Detected
5059-111516-TL-001-A	Initial Draw sample; Only sink in Teachers Lounge (Rm 104.1)	11/15/16 5:50 AM	1.01
5059-111516-TL-001-B	Flush sample; Only sink in Teachers Lounge (Rm 104.1)	11/15/16 5:51 AM	None Detected
5059-111516-CS-001-A	Initial Draw sample; Only Food Prep sink in Kitchen	11/15/16 5:16 AM	None Detected



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Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
5059-111516-CS-001-B	Flush sample; Only Food Prep sink in Kitchen	11/15/16 5:17 AM	None Detected
5059-111516-IM-001-A	Scotsman Ice Machine in Kitchen	11/15/16 5:20 AM	None Detected
5059-111516-SC-001-A	Not Sampled; Service connection could not be located	NS	NS
5059-040517-SC-001-A	Service Connection Entry into Building	4/5/17 4:56 AM	None Detected

**Notes:**

ppb-parts per billion

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

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

NS-Source Unit was Inoperable during Initial Sampling Event

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

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

FACILITY NAME: KINGSLEY ELEMENTARY FACILITY  
 ADDRESS: 2051 Brendon Drive Atlanta, GA, 30338

FACILITY ID: 5059

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/15/16	0615	5059 - 111516 - DF-007-A	Boys RR 111.1	In room <u>Hallway</u>	Single click, w/m	A
11/15/16	0616	5059 - 111516 - DF-007-B	"	In room <u>Hallway</u>	"	A
11/15/16	0619	5059 - 111516 - DF-006-A	left of 126	In room <u>Hallway</u>	upper left, click w/m	A
11/15/16	0620	5059 - 111516 - DF-006-B	"	In room <u>Hallway</u>	"	A
11/15/16	0621	5059 - 111516 - DF-006-L	"	In room <u>Hallway</u>	" flush dup	A
11/15/16	0622	5059 - 111516 - DF-005-A	"	In room <u>Hallway</u>	lower right click w/m	A
11/15/16	0623	5059 - 111516 - DF-005-B	"	In room <u>Hallway</u>	"	A
11/15/16	0625	5059 - 111516 - RS-001-A	Boys RR 118.3	In room <u>Hallway</u>	left most sink	A
11/15/16	0626	5059 - 111516 - RS-001-B	"	In room <u>Hallway</u>	"	A
11/15/16		5059 - 111516 -		In room Hallway		

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

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

FACILITY NAME: KINGSLEY ELEMENTARY FACILITY  
 ADDRESS: 2051 Brendon Drive Atlanta, GA, 30338

FACILITY ID: 5059

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/15/16	0550	5059 - 111516 - KS-001-A	108	In room Hallway	Sink w/bub sampled bub	AM
11/15/16	0559	5059 - 111516 - KS-001-B	11	In room Hallway	Faucet dripping "1	AM
11/15/16	0602	5059 - 111516 - KS-002-A	107	In room Hallway	Sink w/bub sampled bub	AM
11/15/16	0604	5059 - 111516 - KS-002-B	11	In room Hallway	Faucet dripping "	AM
11/15/16	0603	5059 - 111516 - KS-002-C	11	In room Hallway	initial tap	AM
11/15/16	0608	5059 - 111516 - DF-008-A	across from 109	In room Hallway	upper right, elkgt, w/m	AM
11/15/16	0609	5059 - 111516 - DF-008-B	11	In room Hallway	"	AM
11/15/16	0610	5059 - 111516 - DF-009-A	11	In room Hallway	Lower Left, Elkgt w/m	AM
11/15/16	0611	5059 - 111516 - DF-009-B	11	In room Hallway	"	AM
11/15/16		5059 - 111516 -		In room Hallway		

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

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DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/15/16	0536	5059 - 111516 - KS-005-A	102	In room Hallway	sink w/bub. sampled bub	AD
11/15/16	0537	5059 - 111516 - KS-005-B	11	In room Hallway	" Faucet dripping	AD
11/15/16	0540	5059 - 111516 - KS-004-A	101	In room Hallway	SAA	AD
11/15/16	0541	5059 - 111516 - KS-004-B	101	In room Hallway	SAA faucet dripping	AD
11/15/16	0546	5059 - 111516 - KS-008-A	105	In room Hallway	sink w/bub sampled bub	AD
11/15/16	0547	5059 - 111516 - KS-008-B	11	In room Hallway	" "	AD
11/15/16	0550	5059 - 111516 - TL-001-A	Teachers Lounge 104.1	In room Hallway	only sink in teachers lounge	AD
11/15/16	0551	5059 - 111516 - TL-001-B	11	In room Hallway	" "	AD
11/15/16	0554	5059 - 111516 - KS-003-A	106	In room Hallway	sink w/bub sampled bub	AD
11/15/16	0555	5059 - 111516 - KS-003-B	11	In room Hallway	Faucet running. "	AD

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

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FACILITY ID: 5059

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/15/16	0629	5059 - 111516 - DF-003-A	Boys RR 118.3	In room Hallway	Lower right, Elkey Wm	AJ
11/15/16	0630	5059 - 111516 - DF-003-B	"	In room Hallway	"	AJ
11/15/16	0631	5059 - 111516 - DF-004-A	"	In room Hallway	Upper left, Elkey Wm	AJ
11/15/16	0632	5059 - 111516 - DF-004-B	"	In room Hallway	"	AJ
11/15/16	0635	5059 - 111516 - DF-001-A	Gym	In room Hallway	Upper Left, OASIS Wm, small leak from base	AJ
11/15/16	0636	5059 - 111516 - DF-001-B	"	In room Hallway	"	AJ
11/15/16	0637	5059 - 111516 - DF-002-A	"	In room Hallway	Lower right, OASIS Wm, small leak from base	AJ
11/15/16	0638	5059 - 111516 - DF-002-B	"	In room Hallway	"	AD
11/15/16		5059 - 111516 -		In room Hallway		
11/15/16		5059 - 111516 -		In room Hallway		

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



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FACILITY ID: 5059

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/15/16	0516	5059 - 111516 - CS-001-A	Kitchen	In room Hallway	Food prep sink: kitchen	AM
11/15/16	0517	5059 - 111516 - CS-001-B	"	In room Hallway	"	AM
11/15/16	0520	5059 - 111516 - IM-001-A	"	In room Hallway	Scottsman Ice	AM
11/15/16	0524	5059 - 111516 - DF-010-A	Cafeteria	In room Hallway	single faucet, wall	AM
11/15/16	0525	5059 - 111516 - DF-010-B	"	In room Hallway	"	AM
11/15/16	0528	5059 - 111516 - KS-007-A	104	In room Hallway	Sink w/ bub. Sampled bub.	AM
11/15/16	0529	5059 - 111516 - KS-007-B	"	In room Hallway	" Faucet dripping on floor	AM
11/15/16	0532	5059 - 111516 - KS-006-A	103	In room Hallway	Sink w/ bub. Sampled bub.	AM
11/15/16	0533	5059 - 111516 - KS-006-B	"	In room Hallway	slow drip from faucet on floor	AM
11/15/16		5059 - 111516 -		In room Hallway		.

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

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 ADDRESS: 2051 Brendon Drive Atlanta, GA, 30338

FACILITY ID: 5059

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
4/5/17	0456	5059 - 040517 - SC-001-A	boiler Rm	In room Hallway	behind grand green thing	44
4/5/17	0500	5059 - 040517 - KS-006-A	103	In room Hallway	sink w/ bubbler sampled bubbler	44
4/5/17	0501	5059 - 040517 - KS-006-B	103	In room Hallway	" "	44
4/5/17	0503	5059 - 040517 - KS-004-A	101	In room Hallway	sink w/ bubbler sampled bubbler	44
4/5/17	0504	5059 - 040517 - KS-004-B	101	In room Hallway	" "	44
4/5/17		5059 - 040517 -		In room Hallway		
4/5/17		5059 - 040517 -		In room Hallway		
4/5/17		5059 - 040517 -		In room Hallway		
4/5/17		5059 - 040517 -		In room Hallway		
4/5/17		5059 - 040517 -		In room Hallway		

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

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FACILITY ID: 5059

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
9/21/17	0530	5059 - 092117 - KS-006-A	103	In room Hallway	Sink w bubbler Sampled bubbler	AM
9/21/17	0531	5059 - 092117 - KS-006-B	103	In room Hallway	"	AM
9/21/17		5059 - 092117 -		In room Hallway		
9/21/17		5059 - 092117 -		In room Hallway		
9/21/17		5059 - 092117 -		In room Hallway		
9/21/17		5059 - 092117 -		In room Hallway		
9/21/17		5059 - 092117 -		In room Hallway		
9/21/17		5059 - 092117 -		In room Hallway		
9/21/17		5059 - 092117 -		In room Hallway		
9/21/17		5059 - 092117 -		In room Hallway		

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



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: \_\_\_\_\_

Date: 9/21/17 Page 1 of 1

COMPANY: <b>Atlanta Environmental Management Inc</b>		ADDRESS: <b>2580 Northeast Expressway NE Atlanta, GA 30345</b>					<b>ANALYSIS REQUESTED</b>	<b>Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.</b>		No # of Containers													
PHONE: <b>404-329-9006</b>		FAX: <b>404-329-2057</b>																					
SAMPLED BY: <i>Andy Jensen</i>		SIGNATURE: <i>Andy Jensen</i>																					
#		SAMPLE ID		SAMPLED							PRESERVATION (See codes)												
		DATE	TIME	Grab	Composite	Matrix (See codes)																	
1		9/21/17	0530	X		DW	X																i
2		9/21/17	0531	X		DW	X																i

RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION				RECEIPT	
1: <i>Andy Jensen</i>		9/21/17 0700		1: <i>Andy Jensen</i>		9/21/17 0700		PROJECT NAME: <b>DCSD</b>				Total # of Containers	
2: <i>Andy Jensen</i>		9/21/17 0805		2: <i>Andy Jensen</i>		9/21/17 0805		PROJECT #: <b>1561-1601</b>				<b>Turnaround Time Request</b>	
3:				3:				SITE ADDRESS: <b>5059</b>				<input type="radio"/> Standard 5 Business Days <input type="radio"/> 2 Business Day Rush <input type="radio"/> Next Business Day Rush <input type="radio"/> Same Day Rush (auth req.) <input checked="" type="radio"/> Other: 10 business Days	
SPECIAL INSTRUCTIONS/COMMENTS: <b>preserve samples at lab</b>				SHIPMENT METHOD				INVOICE TO: <b>Leona Miles</b>				STATE PROGRAM (if any): _____	
				OUT VIA: _____ IN VIA: _____ CLIENT <input checked="" type="radio"/> FedEx <input type="radio"/> UPS <input type="radio"/> MAIL <input type="radio"/> COURIER GREYHOUND <input type="radio"/> OTHER _____				(IF DIFFERENT FROM ABOVE)				E-mail? Y/N; Fax? Y/N	
								QUOTE #: _____ PO#: _____				DATA PACKAGE: I II III IV	

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

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

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

## Leona Miles

---

**From:** NoReply@aesatlanta.net  
**Sent:** Wednesday, November 30, 2016 3:00 PM  
**To:** leona-miles@aem-net.com; tim-royer@aem-net.com  
**Subject:** DCSD - 5059  
**Attachments:** 1611E27\_REPORT.pdf; 1611E27Invoice.pdf

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

AES Reporting System

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

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





November 30, 2016

Leona Miles  
Atlanta Environmental Mgmt  
2580 NE Expressway  
Atlanta GA 30345

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

RE: DCSD - 5059

Dear Leona Miles:

Order No: 1611E27

Analytical Environmental Services, Inc. received 45 samples on 11/15/2016 8:41:00 AM for the analyses presented in following report.

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

AES's accreditations are as follows:

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

Ioana Pacurar  
Project Manager



# ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

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

# CHAIN OF CUSTODY

Work Order: 161E27

Date: 11/15/16 Page 1 of 4

COMPANY: <b>Atlanta Environmental Management, Inc</b>		ADDRESS: <b>2580 Northeast Expressway, NE Atlanta, GA 30345</b>					ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.	No # of Containers						
PHONE: (404) 329-9006		FAX: (404) 329-2057					Total Pb Method 200.8										REMARKS							
SAMPLED BY: <u>Andy Jensen</u>		SIGNATURE: <u>A Jensen</u>																						
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)											REMARKS						
		DATE	TIME				I																	
1	5059-111516-DF-001-A	11/15/2016	0635	X		DW	X																	
2	5059-111516-DF-001-B	11/15/2016	0636	X		DW	X																	
3	5059-111516-DF-002-A	11/15/2016	0637	X		DW	X																	
4	5059-111516-DF-002-B	11/15/2016	0638	X		DW	X																	
5	5059-111516-DF-003-A	11/15/2016	0629	X		DW	X																	
6	5059-111516-DF-003-B	11/15/2016	0630	X		DW	X																	
7	5059-111516-DF-004-A	11/15/2016	0631	X		DW	X																	
8	5059-111516-DF-004-B	11/15/2016	0632	X		DW	X																	
9	5059-111516-DF-005-A	11/15/2016	0622	X		DW	X																	
10	5059-111516-DF-005-B	11/15/2016	0623	X		DW	X																	
11	5059-111516-DF-006-A	11/15/2016	0619	X		DW	X																	
12	5059-111516-DF-006-B	11/15/2016	0620	X		DW	X																	
13	5059-111516-DF-006-C	11/15/2016	0621	X		DW	X																	
14	5059-111516-DF-007-A	11/15/2016	0615	X		DW	X																	
15	5059-111516-DF-007-B	11/15/2016	0616	X		DW	X																	

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	PROJECT INFORMATION		RECEIPT	
1: <u>A Jensen</u>	<u>11/15/16 0841</u>	1: <u>Andrew Segel</u>	<u>11/15/16 8:41</u>	PROJECT NAME:	<b>DCSD</b>		Total # of Containers
2:		2:		PROJECT #:	<b>1561-1601</b>		<input type="radio"/> Turnaround Time Request <input type="radio"/> Standard 5 Business Days <input type="radio"/> 2 Business Day Rush <input type="radio"/> Next Business Day Rush <input type="radio"/> Same Day Rush (auth req.) <input checked="" type="radio"/> Other: 10 business Days
3:		3:		SITE ADDRESS:	<b>5059</b>		
SPECIAL INSTRUCTIONS/COMMENTS:				SEND REPORT TO:		STATE PROGRAM (if any):	
Preserve at the Lab per protocol				Leona Miles and Tim Royer		E-mail? Y/N; Fax? Y/N	
SHIPMENT METHOD				INVOICE TO:		DATA PACKAGE: I II III IV	
OUT / / VIA: IN <u>ELIEN</u> FedEx UPS MAIL COURIER GREYHOUND OTHER				(IF DIFFERENT FROM ABOVE) leona-miles@aem-net.com; tim-royer@aem-net.com			
				QUOTE #:		PO#:	

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

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

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



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

CHAIN OF CUSTODY

Work Order: 111E27

Date: 11/15/16 Page 2 of 4

COMPANY: <b>Atlanta Environmental Management, Inc</b>		ADDRESS: <b>2580 Northeast Expressway, NE Atlanta, GA 30345</b>				ANALYSIS REQUESTED						Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.	No # of Containers		
PHONE: <b>(404) 329-9006</b>		FAX: <b>(404) 329-2057</b>				Total Pb Method 200.8	PRESERVATION (See codes)							REMARKS	
SAMPLED BY: <i>Andy Jensen</i>		SIGNATURE: <i>[Signature]</i>					I								
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)									
		DATE	TIME												
1	5059-111516-DF-008-A	11/15/2016	0608	X		DW	X								
2	5059-111516-DF-008-B	11/15/2016	0609	X		DW	X								
3	5059-111516-DF-009-A	11/15/2016	0610	X		DW	X								
4	5059-111516-DF-009-B	11/15/2016	0611	X		DW	X								
5	5059-111516-DF-010-A	11/15/2016	0524	X		DW	X								
6	5059-111516-DF-010-B	11/15/2016	0525	X		DW	X								
7	5059-111516-KS-001-A	11/15/2016	0558	X		DW	X								
8	5059-111516-KS-001-B	11/15/2016	0559	X		DW	X								
9	5059-111516-KS-002-A	11/15/2016	0602	X		DW	X								
10	5059-111516-KS-002-B	11/15/2016	0604	X		DW	X								
11	5059-111516-KS-002-C	11/15/2016	0603	X		DW	X								
12	5059-111516-KS-003-A	11/15/2016	0554	X		DW	X								
13	5059-111516-KS-003-B	11/15/2016	0558	X		DW	X								
14	5059-111516-KS-004-A	11/15/2016	0540	X		DW	X								
15	5059-111516-KS-004-B	11/15/2016	0541	X		DW	X								
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION						RECEIPT	
1: <i>A Jensen</i>		11/15/16 0841		1: <i>Andrew Skel</i>		11/15/16 8:41		PROJECT NAME: <b>DCSD</b>						Total # of Containers	
2:				2:				PROJECT #: <b>1561-1601</b>						Turnaround Time Request	
3:				3:				SITE ADDRESS: <b>5059</b>						○ Standard 5 Business Days	
								SEND REPORT TO: <b>Leona Miles and Tim Royer</b>						○ 2 Business Day Rush	
								INVOICE TO: (IF DIFFERENT FROM ABOVE)  leona-miles@aem-net.com; tim-royer@aem-net.com						○ Next Business Day Rush	
SPECIAL INSTRUCTIONS/COMMENTS:  Preserve at the Lah per protocol				SHIPMENT METHOD										○ Same Day Rush (auth req.)	
				OUT / / VIA:										● Other: 10 business Days	
				IN / / VIA:										STATE PROGRAM (if any): _____	
				CLIENT FedEx UPS MAIL COURIER										E-mail? Y/N; Fax? Y/N	
				GREYHOUND OTHER _____										DATA PACKAGE: I II III IV	

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



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 1611E27

Date: 11/5/16 Page 3 of 4

COMPANY: <b>Atlanta Environmental Management, Inc</b>		ADDRESS: <b>2580 Northeast Expressway, NE Atlanta, GA 30345</b>				ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No # of Containers						
PHONE: (404) 329-9006		FAX: (404) 329-2057				Total Pb Method 200.8										REMARKS								
SAMPLED BY: <i>Andy Jensen</i>		SIGNATURE: <i>Andy Jensen</i>				PRESERVATION (See codes)																		
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	I										REMARKS	No # of Containers						
		DATE	TIME																					
1	5059-111516-KS-005-A	11/15/2016	0536	X		DW	X																	
2	5059-111516-KS-005-B	11/15/2016	0537	X		DW	X																	
3	5059-111516-KS-006-A	11/15/2016	0532	X		DW	X																	
4	5059-111516-KS-006-B	11/15/2016	0533	X		DW	X																	
5	5059-111516-KS-007-A	11/15/2016	0528	X		DW	X																	
6	5059-111516-KS-007-B	11/15/2016	0529	X		DW	X																	
7	5059-111516-RS-001-A	11/15/2016	0625	X		DW	X																	
8	5059-111516-RS-001-B	11/15/2016	0626	X		DW	X																	
9	5059-111516-TL-001-A	11/15/2016	0550	X		DW	X																	
10	5059-111516-TL-001-B	11/15/2016	0551	X		DW	X																	
11	5059-111516-CS-001-A	11/15/2016	0516	X		DW	X																	
12	5059-111516-CS-001-B	11/15/2016	0517	X		DW	X																	
13	5059-111516-IM-001-A	11/15/2016	0520	X		DW	X																	
14	5059-111516-SC-001-A	11/15/2016		X		DW																		
15																								

RELINQUISHED BY		DATE/TIME	RECEIVED BY	DATE/TIME	PROJECT INFORMATION				RECEIPT			
1: <i>Andy Jensen</i>		11/15/16	1: <i>Andrew Step</i>		PROJECT NAME: <b>DCSD</b>				Total # of Containers			
2:		0841	11/15/16		PROJECT #: <b>1561-1601</b>				Turnaround Time Request			
3:			8:41		SITE ADDRESS: <b>5059</b>				<input type="radio"/> Standard 5 Business Days			
					SEND REPORT TO: <b>Leona Miles and Tim Royer</b>				<input type="radio"/> 2 Business Day Rush			
					INVOICE TO:				<input type="radio"/> Next Business Day Rush			
					(IF DIFFERENT FROM ABOVE)				<input type="radio"/> Same Day Rush (auth req.)			
SPECIAL INSTRUCTIONS/COMMENTS: Preserve at the Lab per protocol					SHIPMENT METHOD				<input checked="" type="radio"/> Other: 10 business Days			
					OUT / / VIA:				STATE PROGRAM (if any):			
					IN / / VIA:				E-mail? Y/N; Fax? Y/N			
					CLIENT FedEx UPS MAIL COURIER				DATA PACKAGE: I II III IV			
					GREYHOUND OTHER				QUOTE #: PO#:			

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.  
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 PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None



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**CHAIN OF CUSTODY**

Work Order: 1611E27

Date: 11/15/16 Page 4 of 4

COMPANY: <b>Atlanta Environmental Management, Inc</b>		ADDRESS: <b>2580 Northeast Expressway, NE Atlanta, GA 30345</b>				ANALYSIS REQUESTED										Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No # of Containers	
PHONE: <b>(404) 329-9006</b>		FAX: <b>(404) 329-2057</b>				Total Pb Method 200.8													
SAMPLED BY: <i>Andy Jensen</i>		SIGNATURE: <i>[Signature]</i>																	
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	PRESERVATION (See codes)										REMARKS		
		DATE	TIME				I												
1	5059-111516-KS-008-A	11/15/16	0546	X			X												
2	5059-111516-KS-008-B	11/15/16	0547	X			X												
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION										RECEIPT	
1: <i>[Signature]</i>		11/15/16 0841		1: <i>[Signature]</i>		11/15/16 8:41		PROJECT NAME: <b>DCSD</b>										Total # of Containers	
2:				2:				PROJECT #: <b>1561-1601</b>										Turnaround Time Request	
3:				3:				SITE ADDRESS: <b>5059</b>										Standard 5 Business Days	
								SEND REPORT TO: <b>Leona Miles and Tim Royer</b>										2 Business Day Rush	
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD				INVOICE TO:										Same Day Rush (auth req.)	
Preserve at the Lab per protocol				OUT / / VIA:				(IF DIFFERENT FROM ABOVE)										Other: 10 business Days	
				IN / / VIA:				leona-miles@aem-net.com; tim-royer@aem-net.com										STATE PROGRAM (if any):	
				CLIENT FedEx UPS MAIL COURIER				QUOTE #:										E-mail? Y/N; Fax? Y/N	
				GREYHOUND OTHER				PO#:										DATA PACKAGE: I II III IV	

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-001-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:35:00 AM
<b>Lab ID:</b> 1611E27-001	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	233760	1	11/28/2016 23:13	JR

**Qualifiers:**

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

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



**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-001-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:36:00 AM
<b>Lab ID:</b> 1611E27-002	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/28/2016 23:37	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-002-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:37:00 AM
<b>Lab ID:</b> 1611E27-003	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/28/2016 23:40	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-002-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:38:00 AM
<b>Lab ID:</b> 1611E27-004	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/28/2016 23:44	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-003-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:29:00 AM
<b>Lab ID:</b> 1611E27-005	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/28/2016 23:47	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-003-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:30:00 AM
<b>Lab ID:</b> 1611E27-006	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/28/2016 23:51	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-004-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:31:00 AM
<b>Lab ID:</b> 1611E27-007	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/28/2016 23:54	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-004-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:32:00 AM
<b>Lab ID:</b> 1611E27-008	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/28/2016 23:58	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-005-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:22:00 AM
<b>Lab ID:</b> 1611E27-009	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:01	JR

**Qualifiers:**

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

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



**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-005-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:23:00 AM
<b>Lab ID:</b> 1611E27-010	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:05	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-006-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:19:00 AM
<b>Lab ID:</b> 1611E27-011	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/28/2016 23:23	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-006-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:20:00 AM
<b>Lab ID:</b> 1611E27-012	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:15	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-006-C
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:21:00 AM
<b>Lab ID:</b> 1611E27-013	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:19	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-007-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:15:00 AM
<b>Lab ID:</b> 1611E27-014	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:22	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-007-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:16:00 AM
<b>Lab ID:</b> 1611E27-015	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:26	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-008-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:08:00 AM
<b>Lab ID:</b> 1611E27-016	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:29	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-008-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:09:00 AM
<b>Lab ID:</b> 1611E27-017	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:33	JR

**Qualifiers:**

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

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



**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-009-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:10:00 AM
<b>Lab ID:</b> 1611E27-018	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:36	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-009-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:11:00 AM
<b>Lab ID:</b> 1611E27-019	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:40	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-010-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:24:00 AM
<b>Lab ID:</b> 1611E27-020	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:43	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-DF-010-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:25:00 AM
<b>Lab ID:</b> 1611E27-021	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.14	1.00		ug/L	233764	1	11/29/2016 06:12	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-001-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:58:00 AM
<b>Lab ID:</b> 1611E27-022	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	7.30	1.00		ug/L	233764	1	11/29/2016 06:43	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-001-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:59:00 AM
<b>Lab ID:</b> 1611E27-023	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233764	1	11/29/2016 06:49	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-002-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:02:00 AM
<b>Lab ID:</b> 1611E27-024	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.50	1.00		ug/L	233764	1	11/29/2016 06:55	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-002-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:04:00 AM
<b>Lab ID:</b> 1611E27-025	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233764	1	11/29/2016 07:20	JS

**Qualifiers:**

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

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



**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-002-C
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:03:00 AM
<b>Lab ID:</b> 1611E27-026	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.58	1.00		ug/L	233764	1	11/29/2016 07:27	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-003-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:54:00 AM
<b>Lab ID:</b> 1611E27-027	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	2.13	1.00		ug/L	233764	1	11/29/2016 07:33	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-003-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:55:00 AM
<b>Lab ID:</b> 1611E27-028	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233764	1	11/29/2016 07:39	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-004-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:40:00 AM
<b>Lab ID:</b> 1611E27-029	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	32.6	1.00		ug/L	233764	1	11/29/2016 07:45	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-004-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:41:00 AM
<b>Lab ID:</b> 1611E27-030	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	2.13	1.00		ug/L	233764	1	11/29/2016 07:52	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-005-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:36:00 AM
<b>Lab ID:</b> 1611E27-031	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	2.04	1.00		ug/L	233764	1	11/29/2016 06:30	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-005-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:37:00 AM
<b>Lab ID:</b> 1611E27-032	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	2.06	1.00		ug/L	233764	1	11/29/2016 07:58	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-006-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:32:00 AM
<b>Lab ID:</b> 1611E27-033	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	21.1	1.00		ug/L	233764	1	11/29/2016 08:04	JS

**Qualifiers:**

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

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



**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-006-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:33:00 AM
<b>Lab ID:</b> 1611E27-034	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233764	1	11/29/2016 08:11	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-007-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:28:00 AM
<b>Lab ID:</b> 1611E27-035	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	8.81	1.00		ug/L	233764	1	11/29/2016 08:17	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-007-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:29:00 AM
<b>Lab ID:</b> 1611E27-036	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	2.80	1.00		ug/L	233764	1	11/29/2016 08:42	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-RS-001-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:25:00 AM
<b>Lab ID:</b> 1611E27-037	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233764	1	11/29/2016 08:48	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-RS-001-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 6:26:00 AM
<b>Lab ID:</b> 1611E27-038	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233764	1	11/29/2016 08:54	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-TL-001-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:50:00 AM
<b>Lab ID:</b> 1611E27-039	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	1.01	1.00		ug/L	233764	1	11/29/2016 09:01	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-TL-001-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:51:00 AM
<b>Lab ID:</b> 1611E27-040	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233764	1	11/29/2016 09:07	JS

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-CS-001-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:16:00 AM
<b>Lab ID:</b> 1611E27-041	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233475	1	11/22/2016 15:08	JR

**Qualifiers:**

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

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



**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-CS-001-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:17:00 AM
<b>Lab ID:</b> 1611E27-042	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233475	1	11/22/2016 15:12	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-IM-001-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:20:00 AM
<b>Lab ID:</b> 1611E27-043	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233475	1	11/22/2016 15:15	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-008-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:46:00 AM
<b>Lab ID:</b> 1611E27-044	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	5.08	1.00		ug/L	233475	1	11/22/2016 15:19	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 30-Nov-16

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-111516-KS-008-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 11/15/2016 5:47:00 AM
<b>Lab ID:</b> 1611E27-045	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	233475	1	11/22/2016 15:22	JR

**Qualifiers:**

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

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

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Atlanta Env Mgmt

Work Order Number 11611E27

Checklist completed by Alexander [Signature] 11/16/16 [Date]

Carrier name: FedEx \_\_\_ UPS \_\_\_ Courier \_\_\_ Client [X] US Mail \_\_\_ Other \_\_\_

Shipping container/cooler in good condition? Yes [X] No \_\_\_ Not Present \_\_\_

Custody seals intact on shipping container/cooler? Yes [X] No \_\_\_ Not Present \_\_\_

Custody seals intact on sample bottles? Yes \_\_\_ No \_\_\_ Not Present [X]

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

Cooler #1 0.8°C Cooler #2 \_\_\_ Cooler #3 \_\_\_ Cooler #4 \_\_\_ Cooler#5 \_\_\_ Cooler #6 \_\_\_

Chain of custody present? Yes [X] No \_\_\_

Chain of custody signed when relinquished and received? Yes [X] No \_\_\_

Chain of custody agrees with sample labels? Yes [X] No \_\_\_

Samples in proper container/bottle? Yes [X] No \_\_\_

Sample containers intact? Yes [X] No \_\_\_

Sufficient sample volume for indicated test? Yes [X] No \_\_\_

All samples received within holding time? Yes [X] No \_\_\_

Was TAT marked on the COC? Yes [X] No \_\_\_

Proceed with Standard TAT as per project history? Yes \_\_\_ No \_\_\_ Not Applicable [X]

Water - VOA vials have zero headspace? No VOA vials submitted [X] Yes \_\_\_ No \_\_\_

Water - pH acceptable upon receipt? Yes \_\_\_ No [X] Not Applicable \_\_\_

Adjusted? \_\_\_ Checked by AJ

Sample Condition: Good [X] Other(Explain) \_\_\_

(For diffusive samples or AIHA lead) Is a known blank included? Yes \_\_\_ No [X]

See Case Narrative for resolution of the Non-Conformance.

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

Client: Atlanta Environmental Mgmt  
 Project Name: DCSD - 5059  
 Workorder: 1611E27

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 233475

Sample ID: <b>MB-233475</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/22/2016</b>	Run No: <b>330495</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233475</b>	Analysis Date: <b>11/22/2016</b>	Seq No: <b>7185622</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: <b>LCS-233475</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/22/2016</b>	Run No: <b>330495</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233475</b>	Analysis Date: <b>11/22/2016</b>	Seq No: <b>7185623</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 94.66 1.00 100.0 0.03531 94.6 85 115

Sample ID: <b>1611B55-001AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/22/2016</b>	Run No: <b>330495</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233475</b>	Analysis Date: <b>11/22/2016</b>	Seq No: <b>7185625</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 99.75 1.00 100.0 0.2941 99.5 70 130

Sample ID: <b>1611C99-008AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/22/2016</b>	Run No: <b>330495</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233475</b>	Analysis Date: <b>11/22/2016</b>	Seq No: <b>7185628</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 98.27 1.00 100.0 0.3482 97.9 70 130

Sample ID: <b>1611B55-001AMSD</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/22/2016</b>	Run No: <b>330495</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233475</b>	Analysis Date: <b>11/22/2016</b>	Seq No: <b>7185626</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 99.40 1.00 100.0 0.2941 99.1 70 130 99.75 0.352 20

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

**Client:** Atlanta Environmental Mgmt  
**Project Name:** DCSD - 5059  
**Workorder:** 1611E27

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 233760**

Sample ID: <b>MB-233760</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/28/2016</b>	Run No: <b>330861</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233760</b>	Analysis Date: <b>11/28/2016</b>	Seq No: <b>7197162</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: <b>LCS-233760</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/28/2016</b>	Run No: <b>330861</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233760</b>	Analysis Date: <b>11/28/2016</b>	Seq No: <b>7197163</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 92.79 1.00 100.0 92.8 85 115

Sample ID: <b>1611E27-001AMS</b>	Client ID: <b>5059-111516-DF-001-A</b>	Units: <b>ug/L</b>	Prep Date: <b>11/28/2016</b>	Run No: <b>330861</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233760</b>	Analysis Date: <b>11/28/2016</b>	Seq No: <b>7197165</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 89.77 1.00 100.0 0.3248 89.4 70 130

Sample ID: <b>1611E27-011AMS</b>	Client ID: <b>5059-111516-DF-006-A</b>	Units: <b>ug/L</b>	Prep Date: <b>11/28/2016</b>	Run No: <b>330861</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233760</b>	Analysis Date: <b>11/28/2016</b>	Seq No: <b>7197170</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 87.36 1.00 100.0 0.3779 87.0 70 130

Sample ID: <b>1611E27-001AMSD</b>	Client ID: <b>5059-111516-DF-001-A</b>	Units: <b>ug/L</b>	Prep Date: <b>11/28/2016</b>	Run No: <b>330861</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233760</b>	Analysis Date: <b>11/28/2016</b>	Seq No: <b>7197166</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 92.52 1.00 100.0 0.3248 92.2 70 130 89.77 3.01 20

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

**Client:** Atlanta Environmental Mgmt  
**Project Name:** DCSD - 5059  
**Workorder:** 1611E27

**ANALYTICAL QC SUMMARY REPORT**

**BatchID: 233764**

Sample ID: <b>MB-233764</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/28/2016</b>	Run No: <b>330909</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233764</b>	Analysis Date: <b>11/29/2016</b>	Seq No: <b>7198389</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: <b>LCS-233764</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>11/28/2016</b>	Run No: <b>330909</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233764</b>	Analysis Date: <b>11/29/2016</b>	Seq No: <b>7198390</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 106.3 1.00 100.0 106 85 115

Sample ID: <b>1611E27-021AMS</b>	Client ID: <b>5059-111516-DF-010-B</b>	Units: <b>ug/L</b>	Prep Date: <b>11/28/2016</b>	Run No: <b>330909</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233764</b>	Analysis Date: <b>11/29/2016</b>	Seq No: <b>7198392</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 105.3 1.00 100.0 1.142 104 70 130

Sample ID: <b>1611E27-031AMS</b>	Client ID: <b>5059-111516-KS-005-A</b>	Units: <b>ug/L</b>	Prep Date: <b>11/28/2016</b>	Run No: <b>330909</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233764</b>	Analysis Date: <b>11/29/2016</b>	Seq No: <b>7198395</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 104.4 1.00 100.0 2.040 102 70 130

Sample ID: <b>1611E27-021AMSD</b>	Client ID: <b>5059-111516-DF-010-B</b>	Units: <b>ug/L</b>	Prep Date: <b>11/28/2016</b>	Run No: <b>330909</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>233764</b>	Analysis Date: <b>11/29/2016</b>	Seq No: <b>7198393</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 103.9 1.00 100.0 1.142 103 70 130 105.3 1.34 20

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



## Leona Miles

---

**From:** NoReply@aesatlanta.net  
**Sent:** Wednesday, April 19, 2017 2:19 PM  
**To:** leona-miles@aem-net.com; tim-royer@aem-net.com  
**Subject:** DCSD - 5059  
**Attachments:** 1704233\_REPORT.pdf; 1704233Invoice.pdf

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

AES Reporting System

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

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**ANALYTICAL ENVIRONMENTAL SERVICES, INC.**

April 19, 2017

Leona Miles  
Atlanta Environmental Mgmt  
2580 NE Expressway  
Atlanta GA 30345

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

RE: DCSD - 5059

Dear Leona Miles:

Order No: 1704233

Analytical Environmental Services, Inc. received 5 samples on 4/5/2017 7:30:00 AM for the analyses presented in following report.

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

AES's accreditations are as follows:

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

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

Ioana Pacurar  
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704
TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1704233

Date: 4/5/17 Page 1 of 3

Form containing company information (Atlanta Environmental Management, Inc), address (2580 Northeast Expressway, NE Atlanta, GA 30345), phone (404) 329-9006, fax (404) 329-2057, and a table of samples with columns for sample ID, date, time, grab/composite/matrix, analysis requested, and remarks. Includes sections for Relinquished/Received by, Project Information (DCSD, 1561-1601), and Receipt details.

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

**Analytical Environmental Services, Inc**

**Date:** 19-Apr-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-040517-SC-001-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 4/5/2017 4:56:00 AM
<b>Lab ID:</b> 1704233-001	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
				<b>(E200.2)</b>				
Lead	BRL	1.00		ug/L	240994	1	04/13/2017 15:28	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 19-Apr-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-040517-KS-006-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 4/5/2017 5:00:00 AM
<b>Lab ID:</b> 1704233-002	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	24.9	1.00		ug/L	240994	1	04/13/2017 15:59	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 19-Apr-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-040517-KS-006-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 4/5/2017 5:01:00 AM
<b>Lab ID:</b> 1704233-003	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	18.6	1.00		ug/L	240994	1	04/13/2017 16:05	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 19-Apr-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-040517-KS-004-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 4/5/2017 5:03:00 AM
<b>Lab ID:</b> 1704233-004	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	13.1	1.00		ug/L	240994	1	04/13/2017 16:12	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 19-Apr-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-040517-KS-004-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 4/5/2017 5:04:00 AM
<b>Lab ID:</b> 1704233-005	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	3.25	1.00		ug/L	240994	1	04/13/2017 16:31	JR

**Qualifiers:**

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

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



### SAMPLE/COOLER RECEIPT CHECKLIST

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

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

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

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

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

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

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

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

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

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

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

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

Client: Atlanta Environmental Mgmt  
 Project Name: DCSD - 5059  
 Workorder: 1704233

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 240994

Sample ID: <b>MB-240994</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>04/13/2017</b>	Run No: <b>340709</b>							
SampleType: <b>MBLK</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>240994</b>	Analysis Date: <b>04/13/2017</b>	Seq No: <b>7457511</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: <b>LCS-240994</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>04/13/2017</b>	Run No: <b>340709</b>							
SampleType: <b>LCS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>240994</b>	Analysis Date: <b>04/13/2017</b>	Seq No: <b>7457512</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 102.2 1.00 100.0 102 85 115

Sample ID: <b>1704233-001AMS</b>	Client ID: <b>5059-040517-SC-001-A</b>	Units: <b>ug/L</b>	Prep Date: <b>04/13/2017</b>	Run No: <b>340709</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>240994</b>	Analysis Date: <b>04/13/2017</b>	Seq No: <b>7457514</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 102.3 1.00 100.0 0.7422 102 70 130

Sample ID: <b>1704234-006AMS</b>	Client ID:	Units: <b>ug/L</b>	Prep Date: <b>04/13/2017</b>	Run No: <b>340709</b>							
SampleType: <b>MS</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>240994</b>	Analysis Date: <b>04/13/2017</b>	Seq No: <b>7457517</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 629.2 1.00 100.0 528.5 101 70 130

Sample ID: <b>1704233-001AMSD</b>	Client ID: <b>5059-040517-SC-001-A</b>	Units: <b>ug/L</b>	Prep Date: <b>04/13/2017</b>	Run No: <b>340709</b>							
SampleType: <b>MSD</b>	TestCode: <b>Trace Elements by ICP/MS E200.8</b>	BatchID: <b>240994</b>	Analysis Date: <b>04/13/2017</b>	Seq No: <b>7457515</b>							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 99.32 1.00 100.0 0.7422 98.6 70 130 102.3 2.92 20

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

## Leona Miles

---

**From:** NoReply@aesatlanta.net  
**Sent:** Monday, October 2, 2017 5:59 PM  
**To:** leona-miles@aem-net.com; tim-royer@aem-net.com  
**Subject:** DCSD - 5059  
**Attachments:** 1709H88\_REPORT.pdf; 1709H88Invoice.pdf

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

AES Reporting System

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

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**ANALYTICAL ENVIRONMENTAL SERVICES, INC.**

October 02, 2017

Leona Miles  
Atlanta Environmental Mgmt  
2580 NE Expressway  
Atlanta GA 30345

RE: DCSD - 5059

Dear Leona Miles:

Order No: 1709H88

Analytical Environmental Services, Inc. received 2 samples on 9/21/2017 8:05:00 AM for the analyses presented in following report.

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

AES's accreditations are as follows:

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

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

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

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

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

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

Sincerely,

Ioana Pacurar  
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 17011888

Date: 9/21/17 Page 1 of 1

COMPANY: <b>Atlanta Environmental Management Inc</b>		ADDRESS: <b>2580 Northeast Expressway NE Atlanta, GA 30345</b>				ANALYSIS REQUESTED							Visit our website <a href="http://www.aesatlanta.com">www.aesatlanta.com</a> to check on the status of your results, place bottle orders, etc.		No # of Containers				
PHONE: 404-329-9006		FAX: 404-329-2057				PRESERVATION (See codes)							REMARKS						
SAMPLED BY: Andy Jensen		SIGNATURE: <i>Alison</i>																	
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	I												
		DATE	TIME																
1	5059-092117-KS-006-A	9/21/17	0530	X		DW	X												
2	5059-092117-KS-006-B	9/21/17	0531	X		DW	X												
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION							RECEIPT				
1: Jensen		9/21/17 0700		1: [Signature]		9/21/17 0700		PROJECT NAME: DCSD							Total # of Containers				
2: [Signature]		9/21/17 0805		2: [Signature]		9/21/17 0805		PROJECT #: 1561-1601							Turnaround Time Request				
3:				3:				SITE ADDRESS: 5059							<input type="radio"/> Standard 5 Business Days <input type="radio"/> 2 Business Day Rush <input type="radio"/> Next Business Day Rush <input type="radio"/> Same Day Rush (auth req.) <input checked="" type="radio"/> Other: 10 business Days				
SPECIAL INSTRUCTIONS/COMMENTS: preserve samples at lab				SHIPMENT METHOD				INVOICE TO: Leona Miles (IF DIFFERENT FROM ABOVE)							STATE PROGRAM (if any):				
				OUT VIA: IN <input checked="" type="radio"/> CLIENT VIA: FedEx UPS MAIL COURIER GREYHOUND OTHER				SEND REPORT TO: leona-miles@aem-net.com							E-mail? Y/N; Fax? Y/N				
								QUOTE #: PO#:							DATA PACKAGE: I II III IV				

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

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

**Analytical Environmental Services, Inc**

**Date:** 2-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-092117-KS-006-A
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 9/21/2017 5:30:00 AM
<b>Lab ID:</b> 1709H88-001	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>								
					<b>(E200.2)</b>			
Lead	1.81	1.00		ug/L	248780	1	09/26/2017 03:22	JR

**Qualifiers:**

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

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

**Analytical Environmental Services, Inc**

**Date:** 2-Oct-17

<b>Client:</b> Atlanta Environmental Mgmt	<b>Client Sample ID:</b> 5059-092117-KS-006-B
<b>Project Name:</b> DCSD - 5059	<b>Collection Date:</b> 9/21/2017 5:31:00 AM
<b>Lab ID:</b> 1709H88-002	<b>Matrix:</b> Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
<b>Trace Elements by ICP/MS E200.8</b>					<b>(E200.2)</b>			
Lead	BRL	1.00		ug/L	248780	1	09/26/2017 03:25	JR

**Qualifiers:**

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

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

### SAMPLE/COOLER RECEIPT CHECKLIST

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

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

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

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

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

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

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

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

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

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

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

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



Client: Atlanta Environmental Mgmt  
 Project Name: DCSD - 5059  
 Workorder: 1709H88

**ANALYTICAL QC SUMMARY REPORT**

BatchID: 248780

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

Lead BRL 1.00

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

Lead 95.33 1.00 100.0 95.3 85 115

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

Lead 97.60 1.00 100.0 3.870 93.7 70 130

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

Lead 94.51 1.00 100.0 94.5 70 130

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

Lead 99.32 1.00 100.0 3.870 95.5 70 130 97.60 1.75 20

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



October 9, 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  
Kingsley Elementary School (Facility ID #5059)  
2051 Brendon Drive, Atlanta, Georgia 30338  
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 Kingsley Elementary School (Facility ID #5059). Additional drinking water samples from select source units were collected on April 5, 2017, and September 21, 2017, and analytical results were received from Analytical Environmental Services, Inc., on April 19, 2017, and October 2, 2017.

## **FINDINGS**

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

During the initial sampling event on November 15, 2016, the service connection could not be located for sampling. On April 5, 2017, AEM collected a sample of the service connection entry into the building. A description of the drinking water outlet sampled and a summary of sample analytical results are provided in Table 1.

The sample collected from the source unit did not exceed EPA's action level of 15 parts per billion (ppb).

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

During the initial sampling event on November 15, 2016, two source units were sampled and the analytical results indicated that the results were above EPA's action level of 15 ppb. DCSD replaced the source units and AEM collected four drinking water samples on April 5, 2017. A description of the drinking water outlet sampled and a summary of sample analytical results are provided in Table 2.

None of the samples from source unit KS-004 had a drinking water sample result that contained lead at a concentration at or above EPA's action level of 15 ppb. One or more of the samples collected from source unit KS-006 exceeded the EPA action level of 15 ppb. Source

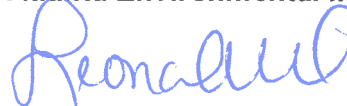
unit KS-006 remained out of service so that additional remediation measures could be evaluated.

A filter was added to the bubbler of KS-006 and retesting was conducted on September 21, 2017. None of the samples collected from KS-006 contained lead at a concentration exceeding EPA's action level of 15 ppb.

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

Sincerely,

**Atlanta Environmental Management, Inc.**



Leona Miles, CHMM  
Senior Project Manager



Janet T. Hart  
President

/krf

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

Attachment: Table

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

**Kingsley Elementary School**

2051 Brendon Drive, Atlanta, GA 30338



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
5059-040517-SC-001-A	Service Connection Entry into Building	4/15/17 4:56 AM	None Detected

**Notes:**

ppb-parts per billion

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

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

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

**Kingsley Elementary School**

2051 Brendon Drive, Atlanta, GA 30338



Sample ID*/**	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
5059-040517-KS-004-A	Initial Draw sample; Retest Kindergarten Sink with bubbler in Rm 101; Sampled bubbler	4/5/17 5:03 AM	13.1
5059-040517-KS-004-B	Flush sample; Retest Kindergarten Sink with bubbler in Rm 101; Sampled bubbler	4/5/17 5:04 AM	3.25
5059-092117-KS-006-A	Initial Draw sample; Retest Kindergarten Sink with bubbler in Rm 103; Sampled bubbler; filter added	9/21/17 5:30 AM	1.81
5059-092117-KS-006-B	Flush sample; Retest Kindergarten Sink with bubbler in Rm 103; Sampled bubbler; filter added	9/21/17 5:31 AM	None Detected

**Notes:**

ppb-parts per billion

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

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

\*\*The source unit was initially sampled on 11/15/16 and the initial results indicated that a concentration exceeded the EPA standard of 15 ppb. The source unit was replaced and/or a filter was installed by DCSD and retesting was conducted. The above summarizes the retest results.