



July 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: Lead in Drinking Water Sampling Report
Sam Moss Service Center (Facility ID #8018)
1780 Montreal Road, Tucker, Georgia 30084
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 the Sam Moss Service Center (Facility ID #8018). Samples were collected on May 25, 2017. Laboratory analytical results were received from Analytical Environmental Services, Inc., on June 9, 2017.

FINDINGS

AEM collected 22 drinking water samples from 11 sources at Sam Moss Service Center (Facility ID #8018), including 2 duplicate samples. Figure 1 depicts the source sample locations. 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.

A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 1. None of the samples collected and analyzed contained lead at a concentration equal to or above the U.S. Environmental Protection Agency's action level of 15 parts per billion. A copy of the AES laboratory analytical report is provided in Attachment B.

Mr. Joshua Williams—DeKalb County School District
July 7, 2017
Page 2

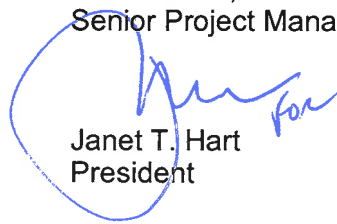
We appreciate your selection of AEM for this project. If you have any questions, please do not hesitate to contact us.

Sincerely,

Atlanta Environmental Management, Inc.



Leona Miles, CHMM
Senior Project Manager



Janet T. Hart
President

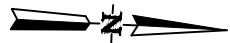
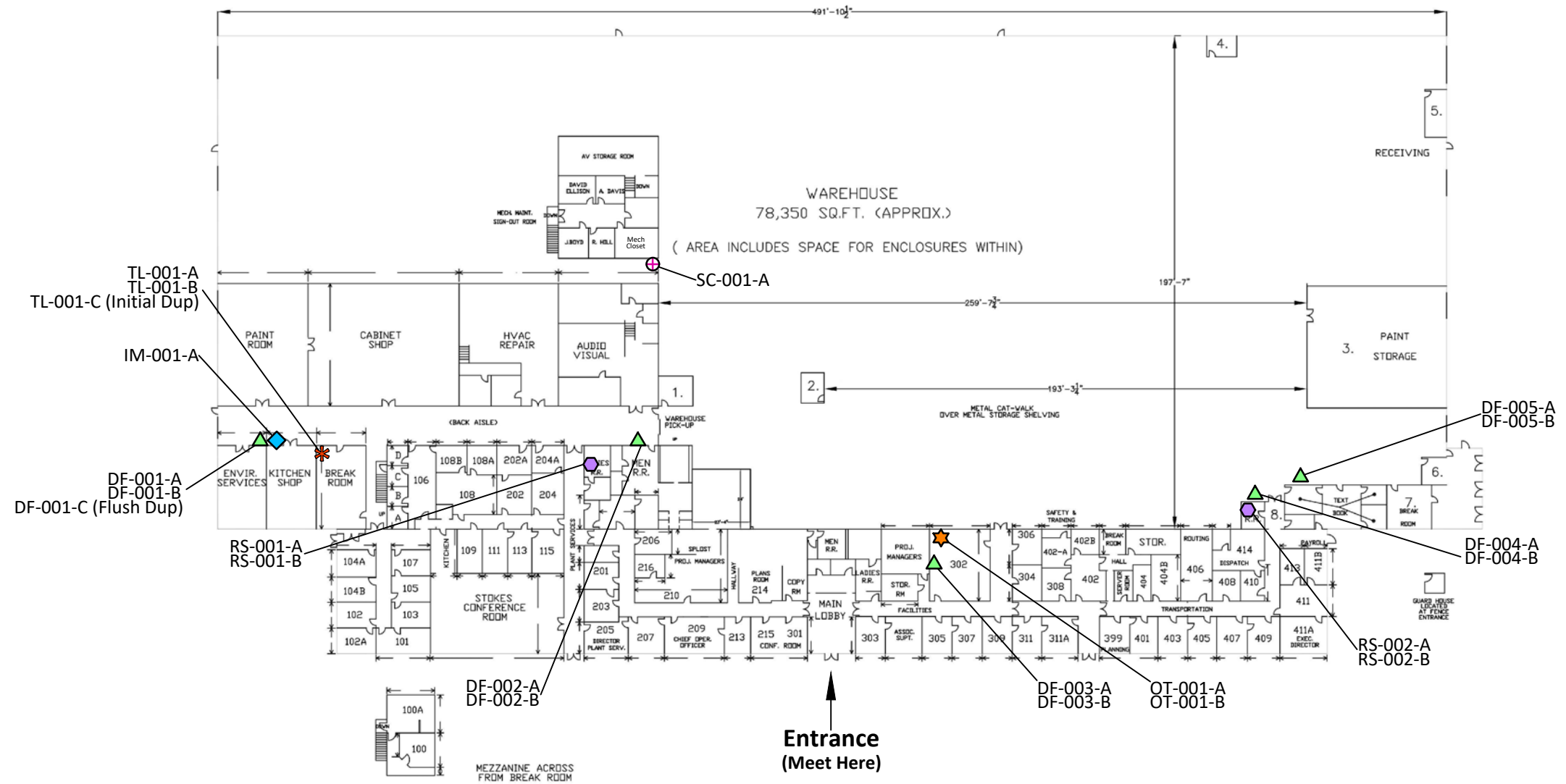
/krf


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

FIGURE

Legend

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



 Atlanta Environmental Management, Inc. 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: Sam Moss Service Center Facility (8018) 1780 Montreal Road Tucker, GA 30084	
PROJECT #:	1561-1601-8018	DATE:	June 30, 2017
DRAWN BY:	AL	REVISED:	----
CHECKED BY:	TR	SCALE:	NTS
PROJECT MGR:	LM	PRINTED:	6/30/2017 3:27 PM
Sample Location Plan			Figure 1
G:\DWG\1561-1601 DeKalb County Schools\8018\8018			

TABLE

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

Sam Moss Service Center Facility

1780 Montreal Road, Tucker, GA 30084



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
8018-052517-DF-001-A	Initial Draw Sample; Single Halsey Taylor Drinking Fountain in Maintenance Shop next to Ice Machine and Kitchen Shop Entrance; Wall-mounted	05/25/17 5:42 AM	None Detected
8018-052517-DF-001-B	Flush Sample; Single Halsey Taylor Drinking Fountain in Maintenance Shop next to Ice Machine and Kitchen Shop Entrance; Wall-mounted	05/25/17 5:43 AM	None Detected
8018-052517-DF-001-C	Flush Duplicate Sample; Single Halsey Taylor Drinking Fountain in Maintenance Shop next to Ice Machine and Kitchen Shop Entrance; Wall-mounted	05/25/17 5:44 AM	None Detected
8018-052517-DF-002-A	Initial Draw Sample; Single Oasis Drinking Fountain in Hallway across from AV Shop Entrance; Wall-mounted	05/25/17 5:32 AM	None Detected
8018-052517-DF-002-B	Flush Sample; Single Oasis Drinking Fountain in Hallway across from AV Shop Entrance; Wall-mounted	05/25/17 5:33 AM	None Detected
8018-052517-DF-003-A	Initial Draw Sample; Single Elkay Drinking Fountain in Breakroom/Rm 302 across from Richard Boyd's Office; Wall-mounted	05/25/17 5:24 AM	None Detected
8018-052517-DF-003-B	Flush Sample; Single Elkay Drinking Fountain in Breakroom/Rm 302 across from Richard Boyd's Office; Wall-mounted	05/25/17 5:25 AM	None Detected
8018-052517-DF-004-A	Initial Draw Sample; Single Oasis Drinking Fountain in Office area next to Warehouse entrance on far North side of Building; Wall-mounted	05/25/17 5:12 AM	None Detected
8018-052517-DF-004-B	Flush Sample; Single Oasis Drinking Fountain in Office area next to Warehouse entrance on far North side of Building; Wall-mounted	05/25/17 5:13 AM	None Detected
8018-052517-DF-005-A	Initial Draw Sample; Single Oasis Drinking Fountain in Warehouse next to Entrance to office area on far North Side of Building; Wall-mounted	05/25/17 5:07 AM	None Detected
8018-052517-DF-005-B	Flush Sample; Single Oasis Drinking Fountain in Warehouse next to Entrance to office area on far North side of Building; Wall-mounted	05/25/17 5:08 AM	1.04
8018-052517-RS-001-A	Initial Draw Sample; Far Left Sink in Women's RR outside of Door Labeled "Maintenance Shops"	05/25/17 5:30 AM	3.95
8018-052517-RS-001-B	Flush Sample; Far Left Sink in Women's RR outside of Door Labeled "Maintenance Shops"	05/25/17 5:31 AM	None Detected
8018-052517-RS-002-A	Initial Draw Sample; Sink in unisex RR in Office area next to Warehouse entrance on far North side of Building	05/25/17 5:15 AM	6.21
8018-052517-RS-002-B	Flush Sample; Sink in unisex RR in Office area next to Warehouse entrance on far North side of Building	05/25/17 5:16 AM	None Detected

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

Sam Moss Service Center Facility

1780 Montreal Road, Tucker, GA 30084



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
8018-052517-TL-001-A	Initial Draw Sample; Sink in Maintenance Shop Breakroom	05/25/17 5:37 AM	1.18
8018-052517-TL-001-B	Flush Sample; Sink in Maintenance Shop Breakroom	05/25/17 5:39 AM	None Detected
8018-052517-TL-001-C	Initial Draw Duplicate Sample; Sink in Maintenance Shop Breakroom	05/25/17 5:38 AM	None Detected
8018-052517-OT-001-A	Initial Draw Sample; Sink next to Coffee Maker in Breakroom/Rm 302 across from Richard Boyd's Office	05/25/17 5:22 AM	None Detected
8018-052517-OT-001-B	Flush Sample; Sink next to Coffee Maker in Breakroom/Rm 302 across from Richard Boyd's Office	05/25/17 5:23 AM	None Detected
8018-052517-IM-001-A	Initial Draw Sample; Scotsman Ice Machine in Maintenance Shop next to Kitchen Shop Entrance	05/25/17 5:40 AM	None Detected
8018-052517-SC-001-A	Main Service Connection Entry into Building	05/25/17 4:57 AM	None Detected

Notes:

ppb-parts per billion

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

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

ATTACHMENT A
AEM Field Sampling Forms

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

FACILITY NAME: SAM MOSS SERVICE CENTER FACILITY
ADDRESS: 1780 Montreal Rd. Tucker, GA, 30084

FACILITY ID: 8018

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
5/25/17	0457	8018 - 052517 - SC-001-A	Mech closet in warehouse	In room Hallway	spring	UH
5/25/17	0507	8018 - 052517 - DF-005-A	Warehouse	In room Hallway	entrance to office area from warehouse on far right side of building	UH
5/25/17	0508	8018 - 052517 - DF-005-B	" "	In room Hallway	single oasis w/m	UH
5/25/17	0512	8018 - 052517 - DF-004-A	far right side of building in office area at warehouse entrance	In room Hallway	single oasis w/m	UH
5/25/17	0513	8018 - 052517 - DF-004-B	" "	In room Hallway	" "	UH
5/25/17	0515	8018 - 052517 - RS-002-A	" "	In room Hallway	unisex bathroom only sink.	UH
5/25/17	0516	8018 - 052517 - RS-002-B	↓	In room Hallway	" "	UH
5/25/17	0522	8018 - 052517 - OT-001-A	Breakroom across from Richard Boyd Office	In room Hallway	sink next to coffee maker	UH
5/25/17	0523	8018 - 052517 - OT-001-B	" "	In room Hallway		UH
5/25/17	0524	8018 - 052517 - DF-003-A	" "	In room Hallway	single Elkay w/m	UH
5/25/17	0525	8018-052517-DF-003-B	↓	(RM)		UH

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

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

FACILITY NAME: SAM MOSS SERVICE CENTER FACILITY
ADDRESS: 1780 Montreal Rd. Tucker, GA, 30084

FACILITY ID: 8018

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
5/25/17	0530	8018 - 052517 - RS-001-A	ladies RR	In room Hallway	ladies room outside of door labeled maintenance	UH
5/25/17	0531	8018 - 052517 - RS-001-B		In room Hallway	shops: far left sink	UH
5/25/17	0532	8018 - 052517 - DF-002-A	across from AV shop entrance	In room Hallway	single Oasis w/m	UH
5/25/17	0533	8018 - 052517 - DF-002-B		In room Hallway	" "	UH
5/25/17	0537	8018 - 052517 - TL-001-A	Breakrm in maintenance	In room Hallway	sink	UH
5/25/17	0539	8018 - 052517 - TL-001-B	shop	In room Hallway	" "	UH
5/25/17	0538	8018 - 052517 - TL-001-C	↓	In room Hallway	initial dump	UH
5/25/17	0540	8018 - 052517 - IM-001-A	maintenance shop	In room Hallway	next to kitchen shop scotsman	UH
5/25/17	0542	8018 - 052517 - DF-001-A	Right of	In room Hallway	single Halsey Taylor w/m	UH
5/25/17	0543	8018 - 052517 - DF-001-B	IM + kitchen shop	In room Hallway	" "	UH
	0544	DF-001-C	" "	" "	flush dump	UH

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

ATTACHMENT B
AES Laboratory Analytical Report

Leona Miles

From: NoReply@aesatlanta.net
Sent: Friday, June 9, 2017 12:02 PM
To: leona-miles@aem-net.com; tim-royer@aem-net.com
Subject: DCSD - 8018
Attachments: 1705N67_REPORT.pdf; 1705N67Invoice.pdf

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

AES Reporting System

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

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



June 09, 2017

Leona Miles
Atlanta Environmental Mgmt

2580 NE Expressway
Atlanta GA 30345

RE: DCSD - 8018

Dear Leona Miles:

Order No: 1705N67

Analytical Environmental Services, Inc. received 22 samples on 5/25/2017 7:39:00 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.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/16-06/30/17 and Total Coliforms and E. coli, effective 04/25/17-04/24/20.

-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.

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: 1705167

Date: 5/25/17 Page 1 of 2

Form containing company details (Atlanta Environmental Management, Inc), address, phone, sampled by (Lindsay Hyde), signature, analysis requested, preservation codes, sample table (15 rows), 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

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: 1705N07

Date: 5/25/17 Page 2 of 2

Form containing company information, analysis requested details, sample log table, and project information. Includes fields for company name, address, phone, signature, sample ID, date, time, and project name.

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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-DF-001-A
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:42:00 AM
Lab ID: 1705N67-001	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8								
				(E200.2)				
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 20:27	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-DF-001-B
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:43:00 AM
Lab ID: 1705N67-002	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 20:44	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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-DF-001-C
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:44:00 AM
Lab ID: 1705N67-003	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 20:47	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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-DF-002-A
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:32:00 AM
Lab ID: 1705N67-004	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 20:51	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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-DF-002-B
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:33:00 AM
Lab ID: 1705N67-005	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 20:54	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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-DF-003-A
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:24:00 AM
Lab ID: 1705N67-006	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 20:58	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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-DF-003-B
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:25:00 AM
Lab ID: 1705N67-007	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 21:08	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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-DF-004-A
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:12:00 AM
Lab ID: 1705N67-008	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 21:12	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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-DF-004-B
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:13:00 AM
Lab ID: 1705N67-009	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 21:15	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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-DF-005-A
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:07:00 AM
Lab ID: 1705N67-010	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 21:19	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-DF-005-B
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:08:00 AM
Lab ID: 1705N67-011	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	1.04	1.00		ug/L	243499	1	06/08/2017 14:24	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-RS-001-A
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:30:00 AM
Lab ID: 1705N67-012	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	3.95	1.00		ug/L	243499	1	06/08/2017 14:31	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-RS-001-B
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:31:00 AM
Lab ID: 1705N67-013	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 21:26	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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-RS-002-A
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:15:00 AM
Lab ID: 1705N67-014	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	6.21	1.00		ug/L	243499	1	06/01/2017 21:29	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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-RS-002-B
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:16:00 AM
Lab ID: 1705N67-015	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 21:33	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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-TL-001-A
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:37:00 AM
Lab ID: 1705N67-016	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	1.18	1.00		ug/L	243499	1	06/01/2017 21:36	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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-TL-001-B
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:39:00 AM
Lab ID: 1705N67-017	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 21:40	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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-TL-001-C
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:38:00 AM
Lab ID: 1705N67-018	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 21:50	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-OT-001-A
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:22:00 AM
Lab ID: 1705N67-019	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 21:54	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: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-OT-001-B
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:23:00 AM
Lab ID: 1705N67-020	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243499	1	06/01/2017 21:57	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-IM-001-A
Project Name: DCSD - 8018	Collection Date: 5/25/2017 5:40:00 AM
Lab ID: 1705N67-021	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243501	1	06/01/2017 22:18	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 9-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-052517-SC-001-A
Project Name: DCSD - 8018	Collection Date: 5/25/2017 4:57:00 AM
Lab ID: 1705N67-022	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	243501	1	06/01/2017 22:42	JR

Qualifiers:

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

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

SAMPLE/COOLER RECEIPT CHECKLIST

Clear

Save as

1. Client Name: ATLANTA ENVIRONMENTAL MANAGEMENT, INC.

AES Work Order Number: 1705N67

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 2.1 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). MDP 5/25/17

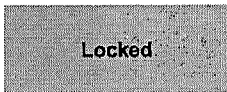
	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
18. Custody seals intact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

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MDP 5/25/17

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
29. Containers meet preservation guidelines?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
30. Was pH adjusted?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		Adjusted by lab per COC instructions.

I certify that I have completed sections 28-30 (dated initials). MDP 5/25/17



Client: Atlanta Environmental Mgmt
 Project Name: DCSD - 8018
 Workorder: 1705N67

ANALYTICAL QC SUMMARY REPORT

BatchID: 243499

Sample ID: MB-243499	Client ID:	Units: ug/L	Prep Date: 06/01/2017	Run No: 344517							
SampleType: MBLK	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243499	Analysis Date: 06/01/2017	Seq No: 7558780							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: LCS-243499	Client ID:	Units: ug/L	Prep Date: 06/01/2017	Run No: 344517							
SampleType: LCS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243499	Analysis Date: 06/01/2017	Seq No: 7558781							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 87.46 1.00 100.0 87.5 85 115

Sample ID: 1705N67-001AMS	Client ID: 8018-052517-DF-001-A	Units: ug/L	Prep Date: 06/01/2017	Run No: 344517							
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243499	Analysis Date: 06/01/2017	Seq No: 7558785							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 96.67 1.00 100.0 0.3544 96.3 70 130

Sample ID: 1705N67-011AMS	Client ID: 8018-052517-DF-005-B	Units: ug/L	Prep Date: 06/01/2017	Run No: 344517							
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243499	Analysis Date: 06/01/2017	Seq No: 7558788							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 99.83 1.00 100.0 1.043 98.8 70 130

Sample ID: 1705N67-001AMSD	Client ID: 8018-052517-DF-001-A	Units: ug/L	Prep Date: 06/01/2017	Run No: 344517							
SampleType: MSD	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243499	Analysis Date: 06/01/2017	Seq No: 7558786							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 93.29 1.00 100.0 0.3544 92.9 70 130 96.67 3.56 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 - 8018
Workorder: 1705N67

ANALYTICAL QC SUMMARY REPORT

BatchID: 243501

Sample ID: MB-243501	Client ID:	Units: ug/L	Prep Date: 06/01/2017	Run No: 344518							
SampleType: MBLK	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243501	Analysis Date: 06/01/2017	Seq No: 7558845							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: LCS-243501	Client ID:	Units: ug/L	Prep Date: 06/01/2017	Run No: 344518							
SampleType: LCS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243501	Analysis Date: 06/01/2017	Seq No: 7558847							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 95.46 1.00 100.0 95.5 85 115

Sample ID: 1705N67-021AMS	Client ID: 8018-052517-IM-001-A	Units: ug/L	Prep Date: 06/01/2017	Run No: 344518							
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243501	Analysis Date: 06/01/2017	Seq No: 7558851							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 102.3 1.00 100.0 102 70 130

Sample ID: 1705N68-009AMS	Client ID:	Units: ug/L	Prep Date: 06/01/2017	Run No: 344518							
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243501	Analysis Date: 06/01/2017	Seq No: 7558858							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 92.90 1.00 100.0 0.2668 92.6 70 130

Sample ID: 1705N67-021AMSD	Client ID: 8018-052517-IM-001-A	Units: ug/L	Prep Date: 06/01/2017	Run No: 344518							
SampleType: MSD	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243501	Analysis Date: 06/01/2017	Seq No: 7558853							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 98.79 1.00 100.0 98.8 70 130 102.3 3.51 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



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: Lead in Drinking Water Sampling Report
Sam Moss Service Center Maintenance Buildings (Facility ID #8018)
1780 Montreal Road, Tucker, Georgia 30084
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 the Sam Moss Service Center Maintenance Buildings (Facility ID #8018). Samples were collected on October 6, 2017, and laboratory analytical results were received from Analytical Environmental Services, Inc., on October 18, 2017.

FINDINGS

AEM collected 21 drinking water samples from 10 sources at the Sam Moss Service Center Maintenance Buildings (Facility ID #8018), including 2 duplicate samples. Figure 1 depicts the source sample locations. 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.

A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 1. None of the samples collected and analyzed contained lead at a concentration equal to or above the U.S. Environmental Protection Agency's action level of 15 parts per billion. A copy of the AES laboratory analytical report is provided in Attachment B.

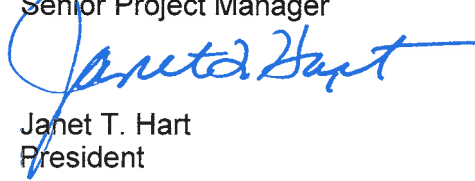
We appreciate your selection of AEM for this project. If you have any questions, please do not hesitate to contact us.

Sincerely,

Atlanta Environmental Management, Inc.



Leona Miles, CHMM
Senior Project Manager



Janet T. Hart
President

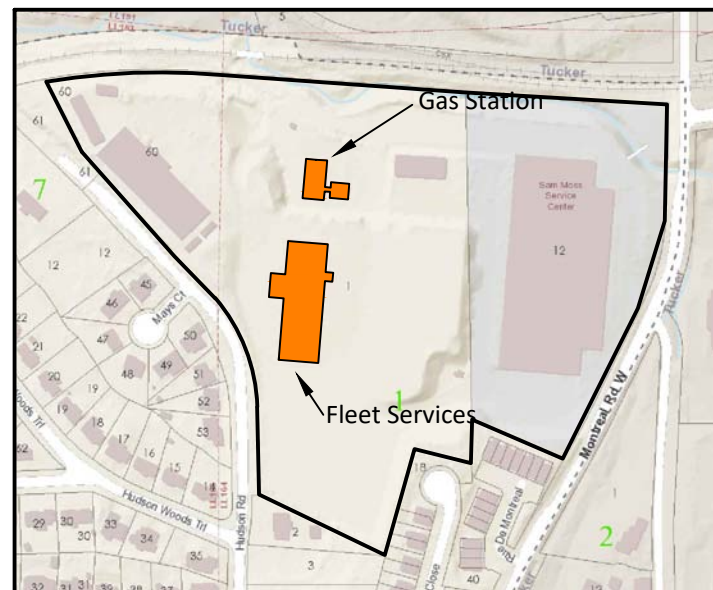
/krf

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

FIGURE


Legend

- - Cafeteria Sink (CS)
- ▲ - Drinking Fountain (DF)
- ◆ - Ice Maker (IM)
- - Restroom Sink (RS)



Site Plan



 Atlanta Environmental Management, Inc. Environmental Consulting, Engineering, Hydrogeologic Services 2580 Northeast Expressway • Atlanta, Georgia 30345 Phone: 404.329.9006 • Fax: 404.329.2057			
PROJECT #:	1561-1601-8018	DATE:	November 3, 2017
DRAWN BY:	AL	REVISED:	----
CHECKED BY:	TR	SCALE:	NTS
PROJECT MGR:	LM	PRINTED:	11/3/2017 3:22 PM

Client: DeKalb County School District
 Site Location: Sam Moss Service Center Facility (8018)
 1780 Montreal Road
 Tucker, GA 30084

<p>Sample Location Plan</p>	<p>Figure 1</p>
-----------------------------	----------------------------

TABLE

**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results
Sam Moss Service Center Maintenance Buildings
1780 Montreal Road, Tucker, GA 30084**



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
8018-100617-CS-001-A	Initial Draw sample; Only sink in the Bus Driver Waiting Lounge	10/6/17 4:56 AM	1.50
8018-100617-CS-001-B	Flush sample; Only sink in the Bus Driver Waiting Lounge	10/6/17 4:57 AM	1.03
8018-100617-CS-001-C	Flush Duplicate sample; Only sink in the Bus Driver Waiting Lounge	10/6/17 4:58 AM	None Detected
8018-100617-DF-006-A	Initial Draw sample; Single Halsey Taylor Drinking Fountain wall-mounted on cinder block wall in the middle of the maintenance warehouse	10/6/17 5:13 AM	None Detected
8018-100617-DF-006-B	Flush sample; Single Halsey Taylor Drinking Fountain wall-mounted on cinder block wall in the middle of the maintenance warehouse	10/6/17 5:15 AM	None Detected
8018-100617-DF-006-C	Initial Draw sample Duplicate; Single Halsey Taylor Drinking Fountain wall-mounted on cinder block wall in the middle of the maintenance warehouse	10/6/17 5:14 AM	None Detected
8018-100617-DF-007-A	Initial Draw sample; Single Elkay Drinking Fountain wall-mounted near fire extinguisher storage area of the Back Shop	10/6/17 5:27 AM	2.54
8018-100617-DF-007-B	Flush sample; Single Elkay Drinking Fountain wall-mounted near fire extinguisher storage area of the Back Shop	10/6/17 5:28 AM	1.98
8018-100617-DF-008-A	Initial Draw sample; Single wall mounted Drinking Fountain outside the Bus Maintenance Office	10/6/17 5:05 AM	14.9
8018-100617-DF-008-B	Flush sample; Single wall mounted Drinking Fountain outside the Bus Maintenance Office	10/6/17 05:006	5.43
8018-100617-DF-009-A	Initial Draw sample; Single wall mounted Drinking Fountain to the left of the Janitor's closet	10/6/17 5:21 AM	7.39
8018-100617-DF-009-B	Flush sample; Single wall mounted Drinking Fountain to the left of the Janitor's closet	10/6/17 5:22 AM	14.4
8018-100617-DF-010-A	Initial Draw sample; Single Elkay wall mounted Drinking Fountain to the right of the Men's RR in the Fuel Building	10/6/17 5:48 AM	2.49
8018-100617-DF-010-B	Flush sample; Single Elkay wall mounted Drinking Fountain to the right of the Men's RR in the Fuel Building	10/6/17 5:49 AM	4.28
8018-100617-DF-011-A	Initial Draw sample; Single Elkay wall mounted Drinking Fountain to the right of the Women's RR in the Fuel Building	10/6/17 5:43 AM	3.13
8018-100617-DF-011-B	Flush sample; Single Elkay wall mounted Drinking Fountain to the right of the Women's RR in the Fuel Building	43014.24	5.60

**Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results
Sam Moss Service Center Maintenance Buildings
1780 Montreal Road, Tucker, GA 30084**



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
8018-100617-DF-012-A	Initial Draw sample; Single Elkay floor mounted Drinking Fountain to the right of the shop sink in the caged area of the Lawn Mower Shop	10/6/17 6:07 AM	1.26
8018-100617-DF-012-B	Flush sample; Single Elkay floor mounted Drinking Fountain to the right of the shop sink in the caged area of the Lawn Mower Shop	10/6/17 6:08 AM	1.94
8018-100617-RS-003-A	Initial Draw sample; Only sink in the Women's RR of the Fuel Building	10/6/17 5:54 AM	1.94
8018-100617-RS-003-B	Flush sample; Only sink in the Women's RR of the Fuel Building	10/6/17 5:55 AM	None Detected
8018-100617-IM-002-A	Initial Draw sample; Scotsman Ice Machine by the lockers in the Break Room of the Fuel Building	10/6/17 5:38 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

ATTACHMENT A
AEM Field Sampling Forms

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

FACILITY NAME: SAM MOSS SERVICE CENTER FACILITY
ADDRESS: 1780 Montreal Rd. Tucker, GA, 30084

FACILITY ID: 8018

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/6/17	0456	8018 - 100617 - CS-001-A	Bus driver waiting lounge	In room Hallway	Only sink in Room	A1
10/6/17	0457	8018 - 100617 - CS-001-B	"	In room Hallway	"	A1
10/6/17	0458	8018 - 100617 - CS-001-C	"	In room Hallway	Flush Dup "	A1
10/6/17	0505	8018 - 100617 - DF-008-A	Bus maintenance	In room Hallway	single WM DF outside bus maintenance office	A1
10/6/17	0506	8018 - 100617 - DF-008-B	"	In room Hallway	"	A1
10/6/17	0513	8018 - 100617 - DF-006-A	"	In room Hallway	Single Halsey Taylor Floor mount on center black wall in middle of maintenance	A1
10/6/17	0515	8018 - 100617 - DF-006-B	"	In room Hallway	Slow leak from base of head	A1
10/6/17	0514	8018 - 100617 - DF-006-C	"	In room Hallway	initial dup "	A1
10/6/17	0521	8018 - 100617 - DF-009-A	Left of Janitors Room	In room Hallway	single wall mounted DF	A1
10/6/17	0522	8018 - 100617 - DF-009-B	"	In room Hallway	"	A1

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

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

FACILITY NAME: SAM MOSS SERVICE CENTER FACILITY
ADDRESS: 1780 Montreal Rd. Tucker, GA, 30084

FACILITY ID: 8018

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/6/17	0527	8018 - 100617 - DF-007-A	back Shop	In room Hallway	single Elkay w/ DF near fire extinguisher storage	A1
10/6/17	0528	8018 - 100617 - DF-007-B	"	In room Hallway	"	A1
10/6/17	0538	8018 - 100617 - IM-002-A	Break Area Fuel bldg	In room Hallway	Im - Scotsman by lockers in break area	A1
10/6/17	0543	8018 - 100617 - DF-011-A	Fuel bldg to right of Womens RR	In room Hallway	single Elkay w/ DF	A1
10/6/17	0544	8018 - 100617 - DF-011-B	"	In room Hallway	"	A1
10/6/17	0548	8018 - 100617 - DF-010-A	Maintenance Area in Fuel bldg - to right of Mens RR	In room Hallway	single Elkay w/ DF	A1
10/6/17	0549	8018 - 100617 - DF-010-B	"	In room Hallway	"	A1
10/6/17	0554	8018 - 100617 - RS-003-A	ONLY sink in womens RR	In room Hallway	ONLY sink in Womens RR in Fuel bldg	A1
10/6/17	0555	8018 - 100617 - RS-003-B	"	In room Hallway	"	A1
10/6/17		8018 - 100617 -		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: SAM MOSS SERVICE CENTER FACILITY
 ADDRESS: 1780 Montreal Rd. Tucker, GA, 30084

FACILITY ID: 8018

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/6/17	0607	8018 - 100617 - DF-012-A	lawn mower shop Cage Area	<u>In room</u> Hallway	Single floor mount ELKAY DF to right of shop sink.	AK
10/6/17	0608	8018 - 100617 - DF-012-B	"	<u>In room</u> Hallway	"	AK
10/6/17		8018 - 100617 -		In room Hallway		
10/6/17		8018 - 100617 -		In room Hallway		
10/6/17		8018 - 100617 -		In room Hallway		
10/6/17		8018 - 100617 -		In room Hallway		
10/6/17		8018 - 100617 -		In room Hallway		
10/6/17		8018 - 100617 -		In room Hallway		
10/6/17		8018 - 100617 -		In room Hallway		
10/6/17		8018 - 100617 -		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

ATTACHMENT B
AES Laboratory Analytical Report

Leona Miles

From: NoReply@aesatlanta.net
Sent: Wednesday, October 18, 2017 4:34 PM
To: leona-miles@aem-net.com; tim-royer@aem-net.com
Subject: DCSD - 8018
Attachments: 1710561_REPORT.pdf; 1710561Invoice.pdf

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

AES Reporting System

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

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



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 18, 2017

Leona Miles
Atlanta Environmental Mgmt
2580 NE Expressway
Atlanta GA 30345

RE: DCSD - 8018

Dear Leona Miles:

Order No: 1710561

Analytical Environmental Services, Inc. received 21 samples on 10/6/2017 8:30:00 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:

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

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

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

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

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

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

Sincerely,

Ioana Pacurar
Project Manager



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

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

CHAIN OF CUSTODY

Work Order: 1710561

Date: 10/6/17 Page 1 of 2

COMPANY: Atlanta Environmental Management Inc			ADDRESS: 2580 Northeast Expressway NE Atlanta, GA 30345				ANALYSIS REQUESTED										Visit our website <u>www.aesatlanta.com</u> to check on the status of your results, place bottle orders, etc.	No # of Containers																																															
PHONE: 404-329-9006			FAX: 404-329-2057				<table border="1" style="width:100%; height: 100%; border-collapse: collapse;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Lead (200.8)</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td colspan="23">PRESERVATION (See codes)</td> </tr> </table>												Lead (200.8)																								PRESERVATION (See codes)																						
Lead (200.8)																																																																	
PRESERVATION (See codes)																																																																	
SAMPLED BY: <i>Andy Jensen</i>			SIGNATURE: <i>[Signature]</i>				REMARKS																																																										
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	I																																																										
		DATE	TIME																																																														
1	8018-100617-CS-001-A	10/6/17	0456	X		DW	X																																																										
2	8018-100617-CS-001-B		0457	X		DW	X																																																										
3	8018-100617-CS-001-C		0458	X		DW	X																																																										
4	8018-100617-DF-008-A		0505	X		DW	X																																																										
5	8018-100617-DF-008-B		0506	X		DW	X																																																										
6	8018-100617-DF-006-A		0513	X		DW	X																																																										
7	8018-100617-DF-006-B		0515	X		DW	X																																																										
8	8018-100617-DF-006-C		0514	X		DW	X																																																										
9	8018-100617-DF-009-A		0521	X		DW	X																																																										
10	8018-100617-DF-009-B		0522	X		DW	X																																																										
11	8018-100617-DF-007-A		0527	X		DW	X																																																										
12	8018-100617-DF-007-B		0528	X		DW	X																																																										
13	8018-100617-DF-011-A		0543	X		DW	X																																																										
14	8018-100617-DF-011-B		0544	X		DW	X																																																										
15	8018-100617-IM-002-A		0538	X		DW	X																																																										

RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION				RECEIPT			
1: <i>Miles</i>		10/6/17 0830		1: <i>[Signature]</i>		10/6/17 830		PROJECT NAME: DCSD				Total # of Containers			
2:				2:				PROJECT #: 1561-1601				Turnaround Time Request			
3:				3:				SITE ADDRESS: 8018				<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: <i>preserve samples at lab</i>				SHIPMENT METHOD				INVOICE TO: Leona Miles (IF DIFFERENT FROM ABOVE)				STATE PROGRAM (if any):			
				OUT / / VIA: IN <u>(CLIENT)</u> FedEx UPS MAIL COURIER GREYHOUND OTHER _____				QUOTE #:				PO#:			

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



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: 1710561

Date: 10/6/17 Page 2 of 2

COMPANY: Atlanta Environmental Management Inc		ADDRESS: 2580 Northeast Expressway NE Atlanta, GA 30345		ANALYSIS REQUESTED										Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.	No # of Containers							
PHONE: 404-329-9006		FAX: 404-329-2057		Lead (200.8)	PRESERVATION (See codes)											REMARKS						
SAMPLED BY: <i>Andy Jensen</i>		SIGNATURE: <i>Alase</i>																				
#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	I															
		DATE	TIME																			
1	8018-100617-DF-010-A	10/6/17	0548	X		DW	X															
2	8018-100617-DF-010-B		0549	X		DW	X															
3	8018-100617-RS-003-A		0554	X		DW	X															
4	8018-100617-RS-003-B		0555	X		DW	X															
5	8018-100617-DF-012-A		0607	X		DW	X															
6	8018-100617-DF-012-B		0608	X		DW	X															
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12																						
13																						
14																						
15																						
RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION										RECEIPT				
1: <i>Alase</i>		10/6/17 0830		1: <i>Tanya Debra</i>		10/6/17 830		PROJECT NAME: DCSD										Total # of Containers				
2:				2:				PROJECT #: 1561-1601										Turnaround Time Request				
3:				3:				SITE ADDRESS: 8018										<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: <i>Preserve samples at 196</i>				SHIPMENT METHOD				INVOICE TO: Leona Miles (IF DIFFERENT FROM ABOVE)										STATE PROGRAM (if any): _____				
				OUT / / VIA: IN <u>CLIENT</u> / / VIA: <u>CLIENT</u> FedEx UPS MAIL COURIER GREYHOUND OTHER _____				QUOTE #: _____ PO#: _____										E-mail? Y/N; Fax? Y/N				
DATA PACKAGE: I II III IV																						

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

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

Analytical Environmental Services, Inc

Date: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-CS-001-A
Project Name: DCSD - 8018	Collection Date: 10/6/2017 4:56:00 AM
Lab ID: 1710561-001	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8								
					(E200.2)			
Lead	1.50	1.00		ug/L	249548	1	10/17/2017 14:51	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: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-CS-001-B
Project Name: DCSD - 8018	Collection Date: 10/6/2017 4:57:00 AM
Lab ID: 1710561-002	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	1.03	1.00		ug/L	249548	1	10/17/2017 14:57	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-CS-001-C
Project Name: DCSD - 8018	Collection Date: 10/6/2017 4:58:00 AM
Lab ID: 1710561-003	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	249548	1	10/17/2017 15:03	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-008-A
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:05:00 AM
Lab ID: 1710561-004	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	14.9	1.00		ug/L	249495	1	10/12/2017 23:22	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: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-008-B
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:06:00 AM
Lab ID: 1710561-005	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	5.43	1.00		ug/L	249495	1	10/12/2017 23:29	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: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-006-A
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:13:00 AM
Lab ID: 1710561-006	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	249548	1	10/17/2017 15:10	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-006-B
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:15:00 AM
Lab ID: 1710561-007	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8								
				(E200.2)				
Lead	BRL	1.00		ug/L	249548	1	10/16/2017 17:41	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-006-C
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:14:00 AM
Lab ID: 1710561-008	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	249548	1	10/17/2017 15:16	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-009-A
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:21:00 AM
Lab ID: 1710561-009	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	7.39	1.00		ug/L	249548	1	10/17/2017 15:35	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-009-B
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:22:00 AM
Lab ID: 1710561-010	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	14.4	1.00		ug/L	249548	1	10/17/2017 15:41	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-007-A
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:27:00 AM
Lab ID: 1710561-011	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	2.54	1.00		ug/L	249548	1	10/17/2017 15:48	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-007-B
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:28:00 AM
Lab ID: 1710561-012	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	1.98	1.00		ug/L	249548	1	10/17/2017 15:54	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: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-011-A
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:43:00 AM
Lab ID: 1710561-013	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	3.13	1.00		ug/L	249548	1	10/17/2017 16:00	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-011-B
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:44:00 AM
Lab ID: 1710561-014	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	5.60	1.00		ug/L	249548	1	10/17/2017 16:07	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-IM-002-A
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:38:00 AM
Lab ID: 1710561-015	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	249548	1	10/17/2017 16:13	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: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-010-A
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:48:00 AM
Lab ID: 1710561-016	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	2.49	1.00		ug/L	249548	1	10/17/2017 16:19	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: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-010-B
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:49:00 AM
Lab ID: 1710561-017	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	4.28	1.00		ug/L	249551	1	10/10/2017 16:17	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-RS-003-A
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:54:00 AM
Lab ID: 1710561-018	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	1.94	1.00		ug/L	249551	1	10/10/2017 17:07	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-RS-003-B
Project Name: DCSD - 8018	Collection Date: 10/6/2017 5:55:00 AM
Lab ID: 1710561-019	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	BRL	1.00		ug/L	249551	1	10/10/2017 17:13	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: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-012-A
Project Name: DCSD - 8018	Collection Date: 10/6/2017 6:07:00 AM
Lab ID: 1710561-020	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	1.26	1.00		ug/L	249551	1	10/10/2017 17:20	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 18-Oct-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 8018-100617-DF-012-B
Project Name: DCSD - 8018	Collection Date: 10/6/2017 6:08:00 AM
Lab ID: 1710561-021	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Lead	1.94	1.00		ug/L	249551	1	10/10/2017 17:39	JR

Qualifiers:

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

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

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 - 8018
 Workorder: 1710561

ANALYTICAL QC SUMMARY REPORT

BatchID: 249495

Sample ID: MB-249495	Client ID:	Units: ug/L	Prep Date: 10/10/2017	Run No: 354307							
SampleType: MBLK	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 249495	Analysis Date: 10/12/2017	Seq No: 7797369							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: LCS-249495	Client ID:	Units: ug/L	Prep Date: 10/10/2017	Run No: 354307							
SampleType: LCS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 249495	Analysis Date: 10/12/2017	Seq No: 7797370							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 98.72 1.00 100.0 98.7 85 115

Sample ID: 1710426-005AMS	Client ID:	Units: ug/L	Prep Date: 10/10/2017	Run No: 354307							
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 249495	Analysis Date: 10/12/2017	Seq No: 7797372							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 124.6 1.00 100.0 20.77 104 70 130

Sample ID: 1710426-005AMSD	Client ID:	Units: ug/L	Prep Date: 10/10/2017	Run No: 354307							
SampleType: MSD	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 249495	Analysis Date: 10/12/2017	Seq No: 7797373							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 122.3 1.00 100.0 20.77 101 70 130 124.6 1.91 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 - 8018
Workorder: 1710561

ANALYTICAL QC SUMMARY REPORT

BatchID: 249548

Sample ID: MB-249548	Client ID:	Units: ug/L	Prep Date: 10/09/2017	Run No: 354533							
SampleType: MBLK	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 249548	Analysis Date: 10/16/2017	Seq No: 7802884							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: LCS-249548	Client ID:	Units: ug/L	Prep Date: 10/09/2017	Run No: 354533							
SampleType: LCS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 249548	Analysis Date: 10/16/2017	Seq No: 7802885							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 92.50 1.00 100.0 92.5 85 115

Sample ID: 1710427-019AMS	Client ID:	Units: ug/L	Prep Date: 10/09/2017	Run No: 354533							
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 249548	Analysis Date: 10/16/2017	Seq No: 7802887							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 90.54 1.00 100.0 1.308 89.2 70 130

Sample ID: 1710561-007AMS	Client ID: 8018-100617-DF-006-B	Units: ug/L	Prep Date: 10/09/2017	Run No: 354533							
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 249548	Analysis Date: 10/16/2017	Seq No: 7802890							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 90.64 1.00 100.0 0.9282 89.7 70 130

Sample ID: 1710427-019AMSD	Client ID:	Units: ug/L	Prep Date: 10/09/2017	Run No: 354533							
SampleType: MSD	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 249548	Analysis Date: 10/16/2017	Seq No: 7802888							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 89.44 1.00 100.0 1.308 88.1 70 130 90.54 1.22 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 - 8018
Workorder: 1710561

ANALYTICAL QC SUMMARY REPORT

BatchID: 249551

Sample ID: MB-249551	Client ID:	Units: ug/L	Prep Date: 10/09/2017	Run No: 354101							
SampleType: MBLK	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 249551	Analysis Date: 10/10/2017	Seq No: 7792269							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 1.00

Sample ID: LCS-249551	Client ID:	Units: ug/L	Prep Date: 10/09/2017	Run No: 354101							
SampleType: LCS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 249551	Analysis Date: 10/10/2017	Seq No: 7792270							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 101.1 1.00 100.0 101 85 115

Sample ID: 1710561-017AMS	Client ID: 8018-100617-DF-010-B	Units: ug/L	Prep Date: 10/09/2017	Run No: 354101							
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 249551	Analysis Date: 10/10/2017	Seq No: 7792272							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 98.24 1.00 100.0 4.276 94.0 70 130

Sample ID: 1710562-006AMS	Client ID:	Units: ug/L	Prep Date: 10/09/2017	Run No: 354101							
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 249551	Analysis Date: 10/10/2017	Seq No: 7792275							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 105.8 1.00 100.0 5.924 99.8 70 130

Sample ID: 1710561-017AMSD	Client ID: 8018-100617-DF-010-B	Units: ug/L	Prep Date: 10/09/2017	Run No: 354101							
SampleType: MSD	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 249551	Analysis Date: 10/10/2017	Seq No: 7792273							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 102.6 1.00 100.0 4.276 98.3 70 130 98.24 4.32 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



June 12, 2017

Via E-Mail: Joshua_I_williams@dekalbschoolsga.org

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

**Re: Lead in Drinking Water Sample Results
Sam Moss Service Center (Facility ID #8018)
1780 Montreal Road, Tucker, Georgia 30084
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 Sam Moss Service Center (Facility ID #8018). Samples were collected on May 25, 2017. Laboratory analytical results were received from Analytical Environmental Services, Inc., on June 9, 2017.

FINDINGS

AEM collected 22 drinking water samples from 11 of sources at Sam Moss Service Center (Facility ID #8018), 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.

None of the samples collected and analyzed contained lead at a concentration equal to or above EPA's action level of 15 parts per billion.

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 Glen (DeKalb County Watershed Management)
Ryan Cira (DeKalb Board of Health)

Attachment: Table

Table 1. Summary of Lead in Drinking Water Laboratory Analytical Results
Sam Moss Service Center Facility
1780 Montreal Road, Tucker, GA 30084



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
8018-052517-DF-001-A	Initial Draw Sample; Single Halsey Taylor Drinking Fountain in Maintenance Shop next to Ice Machine and Kitchen Shop Entrance; Wall-mounted	05/25/17 5:42 AM	None Detected
8018-052517-DF-001-B	Flush Sample; Single Halsey Taylor Drinking Fountain in Maintenance Shop next to Ice Machine and Kitchen Shop Entrance; Wall-mounted	05/25/17 5:43 AM	None Detected
8018-052517-DF-002-A	Initial Draw Sample; Single Oasis Drinking Fountain in Hallway across from AV Shop Entrance; Wall-mounted	05/25/17 5:32 AM	None Detected
8018-052517-DF-002-B	Flush Sample; Single Oasis Drinking Fountain in Hallway across from AV Shop Entrance; Wall-mounted	05/25/17 5:33 AM	None Detected
8018-052517-DF-003-A	Initial Draw Sample; Single Elkay Drinking Fountain in Breakroom across from Richard Boyd's Office; Wall-mounted	05/25/17 5:24 AM	None Detected
8018-052517-DF-003-B	Flush Sample; Single Elkay Drinking Fountain in Breakroom across from Richard Boyd's Office; Wall-mounted	05/25/17 5:25 AM	None Detected
8018-052517-DF-004-A	Initial Draw Sample; Single Oasis Drinking Fountain in Office area next to Warehouse entrance on far Right side of Building; Wall-mounted	05/25/17 5:12 AM	None Detected
8018-052517-DF-004-B	Flush Sample; Single Oasis Drinking Fountain in Office area next to Warehouse entrance on far Right side of Building; Wall-mounted	05/25/17 5:13 AM	None Detected
8018-052517-DF-005-A	Initial Draw Sample; Single Oasis Drinking Fountain in Warehouse next to Entrance to office area on far Right Side of Building; Wall-mounted	05/25/17 5:07 AM	None Detected
8018-052517-DF-005-B	Flush Sample; Single Oasis Drinking Fountain in Warehouse next to Entrance to office area on far Right side of Building; Wall-mounted	05/25/17 5:08 AM	1.04
8018-052517-RS-001-A	Initial Draw Sample; Far Left Sink in Women's RR outside of Door Labeled "Maintenance Shops"	05/25/17 5:30 AM	3.95
8018-052517-RS-001-B	Flush Sample; Far Left Sink in Women's RR outside of Door Labeled "Maintenance Shops"	05/25/17 5:31 AM	None Detected
8018-052517-RS-002-A	Initial Draw Sample; Sink in unisex RR in Office area next to Warehouse entrance on far Right side of Building	05/25/17 5:15 AM	6.21
8018-052517-RS-002-B	Flush Sample; Sink in unisex RR in Office area next to Warehouse entrance on far Right side of Building	05/25/17 5:16 AM	None Detected
8018-052517-TL-001-A	Initial Draw Sample; Sink in Maintenance Shop Breakroom	05/25/17 5:37 AM	1.18
8018-052517-TL-001-B	Flush Sample; Sink in Maintenance Shop Breakroom	05/25/17 5:39 AM	None Detected

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

Sam Moss Service Center Facility

1780 Montreal Road, Tucker, GA 30084



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
8018-052517-OT-001-A	Initial Draw Sample; Sink next to Coffee Maker in Breakroom across from Richard Boyd's Office	05/25/17 5:22 AM	None Detected
8018-052517-OT-001-B	Flush Sample; Sink next to Coffee Maker in Breakroom across from Richard Boyd's Office	05/25/17 5:23 AM	None Detected
8018-052517-IM-001-A	Initial Draw Sample; Scotsman Ice Machine in Maintenance Shop next to Kitchen Shop Entrance	05/25/17 5:40 AM	None Detected
8018-052517-SC-001-A	Main Service Connection Entry into Building	05/25/17 4:57 AM	None Detected

Notes:

ppb-parts per billion

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

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