



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
Clarkston Community Center (Facility ID #9010)
955 N. Indian Creek Drive, Clarkston, Georgia 30021
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 Clarkston Community Center (Facility ID #9010). Samples were collected on May 23, 2017. Laboratory analytical results were received from Analytical Environmental Services, Inc., on June 7, 2017. Note that DCSD determined that no drinking water sources were located at the Clarkston Community Soccer Field; thus, no samples were collected from this area.

FINDINGS

AEM collected 15 drinking water samples from 7 sources at Clarkston Community Center (Facility ID #9010), including two 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.

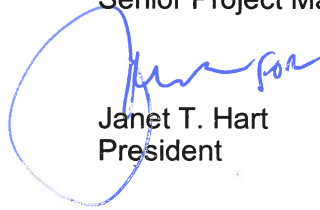
We appreciate your selection of AEM for this project. If you have any questions, please do not hesitate to contact us.

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

-  - Athletic Field (AF)
-  - Cafeteria Sink (CS)
-  - Drinking Fountain (DF)
-  - Ice Maker (IM)
-  - Kindergarten Sink (KS)
-  - Other (OT)
-  - Restroom Sink (RS)
-  - Service Connection (SC)
-  - Teachers Lounge (TL)



 Atlanta Environmental Management, Inc. <small>Environmental Consulting, Engineering, Hydrogeologic Services</small> 2580 Northeast Expressway • Atlanta, Georgia 30345 Phone: 404.329.9006 • Fax: 404.329.2057		Client: DeKalb County School District Site Location: Clarkston Community Center (9010) 955 N. Indian Creek Drive Clarkston, GA 30021	
PROJECT #:	1561-1601-9010	DATE:	June 30, 2017
DRAWN BY:	TL	REVISED:	----
CHECKED BY:	TR	SCALE:	NTS
PROJECT MGR:	LM	PRINTED:	7/6/2017 3:46 PM
Sample Location Plan			Figure 1
G:\DWG\1561-1601 DeKalb County Schools\9010\9010			

TABLE

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

Clarkston Community Center

955 North Indian Creek Drive, Clarkston, GA 30021



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
9010-052317-DF-001-A	Initial Draw Sample; Lower Left Elkay Drinking Fountain in Hallway across from Conference Rm on West Wing; Wall-mounted	05/23/17 6:57 AM	None Detected
9010-052317-DF-001-B	Flush Sample; Lower Left Elkay Drinking Fountain in Hallway across from Conference Rm on West Wing; Wall-mounted	05/23/17 6:59 AM	None Detected
9010-052317-DF-001-C	Initial Draw Duplicate Sample; Lower Left Elkay Drinking Fountain in Hallway across from Conference Rm on West Wing; Wall-mounted	05/23/17 6:58 AM	None Detected
9010-052317-DF-002-A	Initial Draw Sample; Upper Right Elkay Drinking Fountain in Hallway across from Conference Rm on West Wing; Wall-mounted	05/23/17 7:00 AM	None Detected
9010-052317-DF-002-B	Flush Sample; Upper Right Elkay Drinking Fountain in Hallway across from Conference Rm on West Wing; Wall-mounted	05/23/17 7:01 AM	None Detected
9010-052317-DF-003-A	Initial Draw Sample; Upper Left Elkay Drinking Fountain in Hallway near East Wing Entrance; Wall-mounted	05/23/17 7:15 AM	None Detected
9010-052317-DF-003-B	Flush Sample; Upper Left Elkay Drinking Fountain in Hallway near East Wing Entrance; Wall-mounted	05/23/17 7:16 AM	None Detected
9010-052317-DF-004-A	Initial Draw Sample; Lower Right Elkay Drinking Fountain in Hallway near East Wing Entrance; Wall-mounted	05/23/17 7:17 AM	None Detected
9010-052317-DF-004-B	Flush Sample; Lower Right Elkay Drinking Fountain in Hallway near East Wing Entrance; Wall-mounted	05/23/17 7:18 AM	None Detected
9010-052317-RS-001-A	Initial Draw Sample; Far Right Kohler Sink in Women's RR near West Wing Entrance	05/23/17 7:07 AM	None Detected
9010-052317-RS-001-B	Flush Sample; Far Right Kohler Sink in Women's RR near West Wing Entrance	05/23/17 7:08 AM	None Detected
9010-052317-RS-001-C	Flush Duplicate Sample; Far Right Kohler Sink in Women's RR near West Wing Entrance	05/23/17 7:09 AM	None Detected
9010-052317-OT-001-A	Initial Draw Sample; Sink to the Left of Fridge in Kitchenette Rm of East Wing	05/23/17 7:19 AM	None Detected
9010-052317-OT-001-B	Flush Sample; Sink to the Left of Fridge in Kitchenette Rm of East Wing	05/23/17 7:20 AM	None Detected
9010-052317-SC-001-A	Main Service Connection Entry into Building	05/23/17 6:54 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: CLARKSTON COMMUNITY CENTER FACILITY
 ADDRESS: 955 North Indian Creek Dr Clarkston, GA, 30021

FACILITY ID: 9010

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
5/23/17	0654	9010 - 052317 - SC-001-A	Outside west wing entrance	In room Hallway	Spigot on outer wall near ramp. Hose removed and 30 sec flush before sampling	S
5/23/17	0657	9010 - 052317 - DF-001-A	Across from conference Rm on West wing	In room Hallway	Lower left Elkay; WM	S
5/23/17	0659	9010 - 052317 - DF-001-B	"	In room Hallway	"	S
5/23/17	0658	9010 - 052317 - DF-001-C	"	In room Hallway	initial dup	S
5/23/17	0700	9010 - 052317 - DF-002-A	"	In room Hallway	upper right Elkay with broken front button; WM	S
5/23/17	0701	9010 - 052317 - DF-002-B	"	In room Hallway	"	S
5/23/17	0707	9010 - 052317 - RS-001-A	women's RR near west wing entrance	In room Hallway	Right most Kohler sink in RR	S
5/23/17	0708	9010 - 052317 - RS-001-B	"	In room Hallway	"	S
5/23/17	0709	9010 - 052317 - RS-001-C	"	In room Hallway	flush dup	S
5/23/17		9010 - 052317 -		In room Hallway		S

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: CLARKSTON COMMUNITY CENTER FACILITY
 ADDRESS: 955 North Indian Creek Dr Clarkston, GA, 30021

FACILITY ID: 9010

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
5/23/17	0715	9010 - 052317 - DF-003-A	near East wing Entrance	In room Hallway	upper left Elkay; WM	CS
5/23/17	0716	9010 - 052317 - DF-003-B	"	In room Hallway	"	CS
5/23/17	0717	9010 - 052317 - DF-004-A	"	In room Hallway	Lower right Elkay; WM	CS
5/23/17	0718	9010 - 052317 - DF-004-B	"	In room Hallway	"	CS
5/23/17	0719	9010 - 052317 - OT-001-A	sink in kitchenette	In room Hallway	sink to left of Fridge in kitchenette rm only sink in room	CS
5/23/17	0720	9010 - 052317 - OT-001-B	"	In room Hallway	"	CS
5/23/17		9010 - 052317 -		In room Hallway		
5/23/17		9010 - 052317 -		In room Hallway		
5/23/17		9010 - 052317 -		In room Hallway		
5/23/17		9010 - 052317 -		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, June 7, 2017 9:46 AM
To: leona-miles@aem-net.com; tim-royer@aem-net.com
Subject: DCSD - 9010
Attachments: 1705L60_REPORT.pdf; 1705L60Invoice.pdf

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

AES Reporting System

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

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ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 07, 2017

Leona Miles
Atlanta Environmental Mgmt
2580 NE Expressway
Atlanta GA 30345

RE: DCSD - 9010

Dear Leona Miles:

Order No: 1705L60

Analytical Environmental Services, Inc. received 15 samples on 5/23/2017 11:52:00 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: 1705L60

Date: 5/23/17 Page 1 of 1

#	SAMPLE ID	SAMPLED		Grab	Composite	Matrix (See codes)	Total Pb Method 200.8	ANALYSIS REQUESTED										REMARKS	No # of Containers	
		DATE	TIME					PRESERVATION (See codes)												
1	9010-052317-DF-001-A	5/23/17	0657	X		DW	X													
2	9010-052317-DF-001-B	5/23/17	0658	X		DW	X													
3	9010-052317-DF-001-C	5/23/17	0659	X		DW	X													
4	9010-052317-DF-002-A	5/23/17	0700	X		DW	X													
5	9010-052317-DF-002-B	5/23/17	0701	X		DW	X													
6	9010-052317-DF-003-A	5/23/17	0715	X		DW	X													
7	9010-052317-DF-003-B	5/23/17	0716	X		DW	X													
8	9010-052317-DF-004-A	5/23/17	0717	X		DW	X													
9	9010-052317-DF-004-B	5/23/17	0718	X		DW	X													
10	9010-052317-RS-001-A	5/23/17	0707	X		DW	X													
11	9010-052317-RS-001-B	5/23/17	0708	X		DW	X													
12	9010-052317-RS-001-C	5/23/17	0709	X		DW	X													
13	9010-052317-OT-001-A	5/23/17	0719	X		DW	X													
14	9010-052317-OT-001-B	5/23/17	0720	X		DW	X													
15	9010-052317-SC-001-A	5/23/17	0654	X		DW	X													

RELINQUISHED BY		DATE/TIME		RECEIVED BY		DATE/TIME		PROJECT INFORMATION				RECEIPT			
1: <i>[Signature]</i>		5/23/17 0700		1: <i>[Signature]</i>		5/23/17 0700		PROJECT NAME: DCSD				Total # of Containers			
2: <i>[Signature]</i>		5/23/17 1152		2: <i>[Signature]</i>		5/23/17 1152		PROJECT #: 1561-1601				Turnaround Time Request			
3: <i>[Signature]</i>				3: <i>[Signature]</i>				SITE ADDRESS: 9010				<input type="radio"/> Standard 5 Business Days <input type="radio"/> 2 Business Day Rush <input type="radio"/> Next Business Day Rush <input type="radio"/> Same Day Rush (auth req.) <input checked="" type="radio"/> Other: 10 business Days			
SPECIAL INSTRUCTIONS/COMMENTS: Preserve at the Lab per protocol				SHIPMENT METHOD				INVOICE TO: (IF DIFFERENT FROM ABOVE) leona-miles@aem-net.com; tim-royer@aem-net.com							
OUT		/		VIA:		/		QUOTE #:				PO#:			
IN		/		VIA:		/						STATE PROGRAM (if any):			
				CLIENT		FedEx UPS MAIL COURIER						E-mail? Y/N; Fax? Y/N			
				GREYHOUND		OTHER						DATA PACKAGE: I II III IV			

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

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

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

Client: Atlanta Environmental Mgmt
Project: DCSD - 9010
Lab ID: 1705L60

Case Narrative

Sample Receiving Non-conformance:

Sample information on the Chain of Custody did not match that on the sample bottle labels for samples 9010-052317-DF-001-B and 9010-052317-DF-001-C. Sample 9010-052317-DF-001-B was listed with a collection time of 6:58 AM on the Chain of Custody, while on the container label it was listed as collected at 6:59 AM. Furthermore, sample 9010-052317-DF-001-C was listed as collected at 6:59 AM on the Chain of Custody, while on the label it was listed as collect at 6:58 AM. Both samples were logged in according to the information on the container labels per project history.

Analytical Environmental Services, Inc

Date: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-DF-001-A
Project Name: DCSD - 9010	Collection Date: 5/23/2017 6:57:00 AM
Lab ID: 1705L60-001	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	243362	1	05/30/2017 20:20	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: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-DF-001-B
Project Name: DCSD - 9010	Collection Date: 5/23/2017 6:59:00 AM
Lab ID: 1705L60-002	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	243362	1	05/30/2017 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: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-DF-001-C
Project Name: DCSD - 9010	Collection Date: 5/23/2017 6:58:00 AM
Lab ID: 1705L60-003	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	243362	1	05/30/2017 20:48	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: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-DF-002-A
Project Name: DCSD - 9010	Collection Date: 5/23/2017 7:00:00 AM
Lab ID: 1705L60-004	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	243362	1	05/30/2017 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: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-DF-002-B
Project Name: DCSD - 9010	Collection Date: 5/23/2017 7:01:00 AM
Lab ID: 1705L60-005	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	243362	1	05/30/2017 20:55	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-DF-003-A
Project Name: DCSD - 9010	Collection Date: 5/23/2017 7:15:00 AM
Lab ID: 1705L60-006	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	243362	1	05/30/2017 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: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-DF-003-B
Project Name: DCSD - 9010	Collection Date: 5/23/2017 7:16:00 AM
Lab ID: 1705L60-007	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	243362	1	05/30/2017 21:02	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: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-DF-004-A
Project Name: DCSD - 9010	Collection Date: 5/23/2017 7:17:00 AM
Lab ID: 1705L60-008	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	243362	1	05/30/2017 21:05	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-DF-004-B
Project Name: DCSD - 9010	Collection Date: 5/23/2017 7:18:00 AM
Lab ID: 1705L60-009	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	243362	1	05/30/2017 21:16	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: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-RS-001-A
Project Name: DCSD - 9010	Collection Date: 5/23/2017 7:07:00 AM
Lab ID: 1705L60-010	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	243362	1	05/30/2017 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: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-RS-001-B
Project Name: DCSD - 9010	Collection Date: 5/23/2017 7:08:00 AM
Lab ID: 1705L60-011	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	BRL	1.00		ug/L	243362	1	05/30/2017 20:38	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-RS-001-C
Project Name: DCSD - 9010	Collection Date: 5/23/2017 7:09:00 AM
Lab ID: 1705L60-012	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	BRL	1.00		ug/L	243362	1	05/30/2017 21:23	JR

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-OT-001-A
Project Name: DCSD - 9010	Collection Date: 5/23/2017 7:19:00 AM
Lab ID: 1705L60-013	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	243362	1	05/30/2017 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: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-OT-001-B
Project Name: DCSD - 9010	Collection Date: 5/23/2017 7:20:00 AM
Lab ID: 1705L60-014	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	BRL	1.00		ug/L	243362	1	05/30/2017 21:30	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: 7-Jun-17

Client: Atlanta Environmental Mgmt	Client Sample ID: 9010-052317-SC-001-A
Project Name: DCSD - 9010	Collection Date: 5/23/2017 6:54:00 AM
Lab ID: 1705L60-015	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	243362	1	05/30/2017 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

Clear

Save as



SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Atlanta Environmental Mgmt

AES Work Order Number: 1705L60

2. Carrier: FedEx [] UPS [] USPS [] Client [x] Courier [] Other []

Table with 3 columns: Yes/No/N/A, Details, and Comments. Rows 3-12 covering shipping container condition, seals, temperature, and COC.

13. Cooler 1 Temperature 1.6 °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). MJ 5/23/17

Table with 3 columns: Yes/No/N/A, Details, and Comments. Rows 16-26 covering sample container integrity, labels, analyses, and collection details.

27. Comments: I certify that I have completed sections 16-27 (dated initials). MDP 5/23/17

Table with 3 columns: Yes/No/N/A, Details, and Comments. Rows 28-30 covering container preservation and pH adjustment.

I certify that I have completed sections 28-30 (dated initials). MDP 5/23/17 Page 19 of 20

Locked

Client: Atlanta Environmental Mgmt
 Project Name: DCSD - 9010
 Workorder: 1705L60

ANALYTICAL QC SUMMARY REPORT

BatchID: 243362

Sample ID: MB-243362	Client ID:	Units: ug/L	Prep Date: 05/30/2017	Run No: 344290							
SampleType: MBLK	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243362	Analysis Date: 05/30/2017	Seq No: 7552724							
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-243362	Client ID:	Units: ug/L	Prep Date: 05/30/2017	Run No: 344290							
SampleType: LCS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243362	Analysis Date: 05/30/2017	Seq No: 7552725							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 91.38 1.00 100.0 91.4 85 115

Sample ID: 1705L60-001AMS	Client ID: 9010-052317-DF-001-A	Units: ug/L	Prep Date: 05/30/2017	Run No: 344290							
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243362	Analysis Date: 05/30/2017	Seq No: 7552727							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 93.87 1.00 100.0 93.9 70 130

Sample ID: 1705L60-011AMS	Client ID: 9010-052317-RS-001-B	Units: ug/L	Prep Date: 05/30/2017	Run No: 344290							
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243362	Analysis Date: 05/30/2017	Seq No: 7552742							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 98.35 1.00 100.0 98.3 70 130

Sample ID: 1705L60-001AMSD	Client ID: 9010-052317-DF-001-A	Units: ug/L	Prep Date: 05/30/2017	Run No: 344290							
SampleType: MSD	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 243362	Analysis Date: 05/30/2017	Seq No: 7552730							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 94.25 1.00 100.0 94.2 70 130 93.87 0.398 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