November 7, 2017

Via E-Mail: Joshua_l_williams@dekalbschoolsga.org

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

Re: Summary of Additional Lead in Drinking Water Sample Results Kingsley Elementary School (Facility ID #5059) 2051 Brendon Drive, Atlanta, Georgia 30338 AEM Project No. 1561-1601

Dear Mr. Williams:

Atlanta Environmental Management, Inc. (AEM) is pleased to provide the DeKalb County School District (DCSD) an electronic copy of the Final Technical Lead in Drinking Water Sampling Report for Kingsley Elementary School (Facility ID #5059).

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

FINDINGS

Initial Testing

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

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

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

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

Initial Sample Results of Previously Identified Source Unit Not Sampled

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

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

Sample Results of Previously Identified Source Units That Exceeded 15 ppb

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

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

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

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

Sincerely,

Atlanta Environmental Management, Inc.

Leona Miles, CHMM Senior Project Manager

Janet T. Hart President

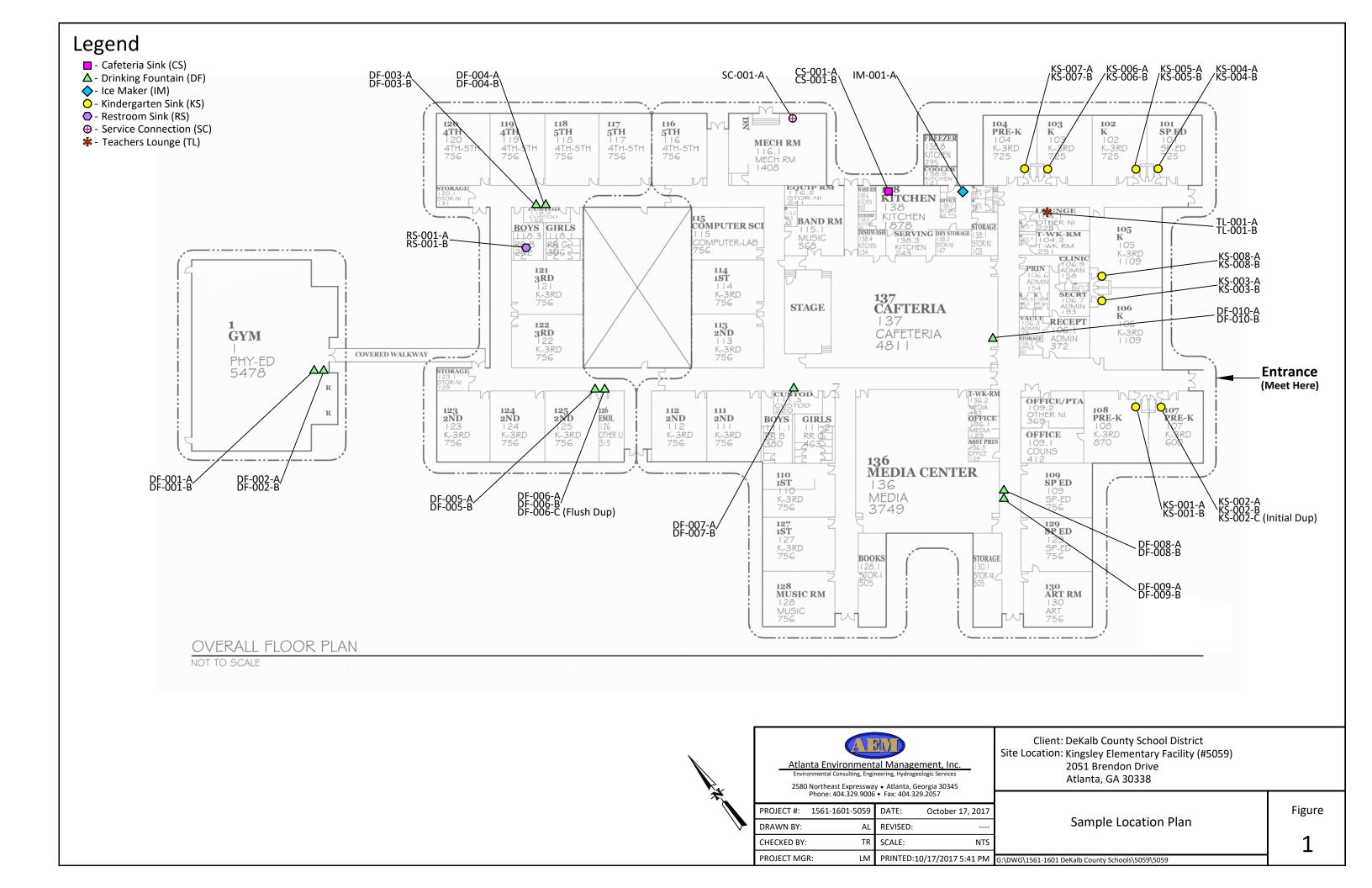
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cc: Daniel Drake (DCSD)
Tracee Hill (DCSD)



FIGURE





TABLE



Kingsley Elementary School





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

Kingsley Elementary School





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

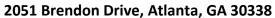
Kingsley Elementary School





			Lead Test
			Results
Sample ID*	Sample Location Description	Sample Date & Time	(ppb)
5059-040517-KS-004-B	Flush sample; Retest Kindergarten Sink with bubbler in Rm 101; Sampled bubbler	4/5/17 5:04 AM	3.25
	Initial Draw sample; Kindergarten Sink with bubbler in Rm 102; Sampled bubbler; Faucet		
5059-111516-KS-005-A	dripping on arrival	11/15/16 5:36 AM	2.04
	Flush sample; Kindergarten Sink with bubbler in Rm 102; Sampled bubbler; Faucet		
5059-111516-KS-005-B	dripping on arrival	11/15/16 5:37 AM	2.06
	Initial Draw sample; Kindergarten Sink with bubbler in Rm 103; Sampled bubbler; Faucet		
5059-111516-KS-006-A	dripping on arrival	11/15/16 5:32 AM	21.1
	Flush sample; Kindergarten Sink with bubbler in Rm 103; Sampled bubbler; Faucet		
5059-111516-KS-006-B	dripping on arrival	11/15/16 5:33 AM	None Detected
5059-040517-KS-006-A	Initial Draw sample; Retest Kindergarten Sink with bubbler in Rm 103; Sampled bubbler	4/5/17 5:00 AM	24.9
3033 0 10317 10 000 71	initial Braw sample, necess times garten sink with sassier in tim 100, sampled sassier	1,3,17 3.00 7.11	2.1.5
5059-040517-КS-006-В	Flush sample; Retest Kindergarten Sink with bubbler in Rm 103; Sampled bubbler	4/5/17 5:01 AM	18.6
	Initial Draw sample; Retest Kindergarten Sink with bubbler in Rm 103; Sampled bubbler;		
5059-092117-KS-006-A	filter added	9/21/17 5:30 AM	1.81
	Flush sample; Retest Kindergarten Sink with bubbler in Rm 103; Sampled bubbler; filter		
5059-092117-KS-006-B	added	9/21/17 5:31 AM	None Detected
	Initial Draw sample; Kindergarten Sink with bubbler in Rm 104; Sampled bubbler; Faucet		
5059-111516-KS-007-A	dripping on arrival	11/15/16 5:28 AM	8.81
	Flush sample; Kindergarten Sink with bubbler in Rm 104; Sampled bubbler; Faucet		
5059-111516-KS-007-B	dripping on arrival	11/15/16 5:29 AM	2.80
5059-111516-KS-008-A	Initial Draw sample; Kindergarten Sink with bubbler in Rm 105; Sampled bubbler	11/15/16 5:46 AM	5.08
5059-111516-KS-008-B	Flush sample; Kindergarten Sink with bubbler in Rm 105; Sampled bubbler	11/15/16 5:47 AM	None Detected
5059-111516-RS-001-A	Initial Draw sample; Boys RR/Rm 118.3; Sampled far left sink	11/15/16 6:25 AM	None Detected
5059-111516-RS-001-B	Flush sample; Boys RR/Rm 118.3; Sampled far left sink	11/15/16 6:26 AM	None Detected
5059-111516-TL-001-A	Initial Draw sample; Only sink in Teachers Lounge (Rm 104.1)	11/15/16 5:50 AM	1.01
5059-111516-TL-001-B	Flush sample; Only sink in Teachers Lounge (Rm 104.1)	11/15/16 5:51 AM	None Detected
5059-111516-CS-001-A	Initial Draw sample; Only Food Prep sink in Kitchen	11/15/16 5:16 AM	None Detected

Kingsley Elementary School





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

Notes:

ppb-parts per billion

Bold-Exceeds 15 ppb--EPA's

Action Level for Lead

NS-Source Unit was Inoperable during Initial Sampling Event

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

ATTACHMENT A AEM Field Sampling Forms



FACILITY NAME:

KINGSLEY ELEMENTARY FACILITY

FACILITY ID:

5059

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/15/16	0615	5059 - 111516 - DF-607-A	BoysRR	In room	Sinste Elley, wm	A
11/15/16	0616	5059 - 111516 - DF -007-B	l.	In room		An
11/15/16	0619	5059 - 111516 - DF-006-A	vertof 126	In room Hallway	upper LCF+, CIKGY	M
11/15/16	0670	5059 - 111516 - DF-006-B	11	In room Hallway	((M
11/15/16	0621	5059 - 111516 - DF - COG - L	~!	In room	11 Flush dup	A
11/15/16	062	5059 - 111516 - DF - 005 - A	, (In room Hallway	Lower right elkay	An
11/15/16	0623	5059 - 111516 - DF - 005 - B	1 (In room Hadway	11	A
11/15/16	0625	5059 - 111516 - RS-001-A	BOYS RR 118.3	H Troom	Left most Sink	A
11/15/16	0676	5059 - 111516 - R S - 001 - 13	()	in room Hallway	1 .	An
11/15/16		5059 - 111516 -		In room Hallway		

FACILITY NAME: KINGSLEY ELEMENTARY FACILITY

FACILITY ID: 5059

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/15/16	0556	5059 - 111516 - (5-00) - 14	08	Hallway	Sink W/but Sampled by b	A
11/15/16	0559	5059 - 111516 - 125-001-8	•	le room Hallway	Faucet dipping	40
11/15/16	0602	5059 - 111516 - K5-002-A	107	n room Hallway	Sink W/ Hub Sampled bub	PM
11/15/16	0604		1	In foom Hallway	Faules dripping	p/
11/15/16	0603	5059 - 111516 - LS-002-C	, (In 60m Hallway	initial dup	(A)
11/15/16	0608	5059 - 111516 -DF-008-A	a cros) from	In room Hallway	unper right, elkgy, wm	M
11/15/16	0609	5059 - 111516 - DF-008 - B		In room	/1	M
11/15/16	0610	5059 - 111516 - DF -009-A	(\	In room Hallway	Lower Left, Elicar	M
11/15/16	0611	5059 - 111516 - DF -009 - B	((In room	lı	Ay
11/15/16		5059 - 111516 -		In room Hallway		

FACILITY NAME:

KINGSLEY ELEMENTARY FACILITY

FACILITY ID:

5059

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/15/16	0536	5059 - 111516 - (CS-005-A	(02	la room Hallway	s:uk Wous. Scuptu bus	A
11/15/16	0537	5059 - 111516 - KS-005-B	(1	Infoom Hallway	Falucet dripping	M
11/15/16	0540	5059 - 111516 - KYOO4-A	161	In room Hallway	SAA	N)
11/15/16	0541	5059 - 111516 -KS-CO4-B	101	la room Hallway	SAA funcet driving	A
11/15/16	0546	5059 - 111516 - (cs-008-A	105	In room Hallway	Sauried bab	A
11/15/16	6547	5059 - 111516 - 145-008-13	(l	In oom Hallway	6 11	An
11/15/16	0550	5059 - 111516 - TL-COLA	Teachers 104.1	n room Hallway	only sink inteam	rs An
11/15/16	0551	5059 - 111516 - TL- OCI-B	ć	In room Hallway	11	An
11/15/16	0554	5059 - 111516 - KS-603 -D	106	in room Hallway	Sampled bub	Ma
11/15/16	0555	5059 - 111516 - KS-267-B	17	Hallway	Faucet running.	A

FACILITY NAME:

KINGSLEY ELEMENTARY FACILITY

FACILITY ID:

5059

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/15/16	0679	5059 - 111516 - DF-003-A	BOYS RR	In room Hallway	Lower Misht, ellegy	A//
11/15/16	0630	5059 - 111516 - DF - 003 - B		In room Hallway	1 (An
11/15/16	0631	5059 - 111516 - PF-004-A	(ţ	In room Hallway	upperleft, Elkay	W
11/15/16	0632	5059 - 111516 - DF-0011-B		in room Hal wa y	11	A
11/15/16	0635	5059 - 111516 - DF - 00 - A	Gym	In room Hallway	WM, small lak floms	se A
11/15/16	6636	5059 - 111516 - DF -001 - B	Garage Garage	In room Hallway	11	A
11/15/16	0637	5059 - 111516 - DF - COZ - A	/ t	In Ogm Hallway	Lower Fight, casis	is the
11/15/16	0638	5059 - 111516 - DF - 002 - B	11	In oom Hallway) \	Dn
11/15/16	·	5059 - 111516 -		In room Hallway		/
11/15/16		5059 - 111516 -		in room Hallway		

FACILITY NAME:

KINGSLEY ELEMENTARY FACILITY

ADDRESS: 2051 Brendon Drive Atlanta, GA, 30338

FACILITY ID:

5059

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/15/16	0516	5059 - 111516 - CS-001 - A	Kitchen	In room Hallway	food pressink: allitchen	M
11/15/16	0517	5059 - 111516 - (5-col-P)	E e	n room Hallway	l c	M
11/15/16	0570	5059 - 111516 - IM-001-A	10	n room. Hallway	Scottssman Iv	M
11/15/16	0524	5059 - 111516 - DF-010-A	(afetera	In room Hallway	5: Mg/e Elkax, wm	M
11/15/16	0525	5059 - 111516 - DF-010-B	(e	In room Hallway	VI	(b)
11/15/16	0529	5059 - 111516 - KS-007- A	104	In room Hallway	Sinkulsha Samrled 646.	A
11/15/16	0529	5059 - 111516 - 125-007-13	((n room Hallway	11 Fauce dripping on par	A)
11/15/16	0532	5059 - 111516 - (CS-006 - A	(03	In 100 m Hallway	Sink W/bub. Santled Sub.	A)
11/15/16	0537	5059 - 111516 - (CS-006-B	ŧ (la room Hallway	slow drif from funcet on Assistant	R
11/15/16		5059 - 111516 -		In room Hallway		•

FACILITY NAME: KINGSLEY ELEMENTARY FACILITY 5059

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
4/5/17	0456	5059 - 040517 - SC-001-A	boiler	In room Hallway	behind grant green thing	4
4/5/17	0500	5059 - 040517 - KS-000-A	103	In room Hallway	Sink w/ bubbler Sampled bubbler	4
4/5/17	0501	5059 - 040517 - KS-006 - B	103	In room Hallway	(1	4
4/5/17	0503	5059 - 040517 - RS-0079 - A	101	in room Hallway	since we bubble of	4
4/5/17	0504	5059 - 040517 - KS- WY-B	101	in room Hallway	(1	44
4/5/17		5059 - 040517 -		In room Hallway		
4/5/17		5059 - 040517 -		In room Hallway		
4/5/17		5059 - 040517 -		In room Hallway		
4/5/17		5059 - 040517 -		In room Hallway		
4/5/17		5059 - 040517 -		in room Hallway		

FACILITY NAME:	KINGSLEY ELEMENTARY FACILITY	FACILITY ID:	5059

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCREPTION	SAMPLER INIT.
9/21/17	05 30	5059 - 092117 - K S-006-A	201	In room Hallway	Sink Wbubbler Sampled bubbler	A
9/21/17	0531	5059 - 092117 - KS-006-B	103	In room Hallway	ι (M
9/21/17		5059 - 092117 -		In room Hallway		
9/21/17		5059 - 092117 -		In room Hallway		
9/21/17		5059 - 092117 -		In room Hallway		
9/21/17		5059 - 092117 -		In room Hallway		
9/21/17		5059 - 092117 -		In room Hallway		
9/21/17		5059 - 092117 -		In room Hallway		
9/21/17		5059 - 092117 -		In room Hallway		
9/21/17		5059 - 092117 -		In room Hallway		

CHAIN OF CUSTODY

3080 Presidential Drive, Atlanta GA 30340-3704

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

ANALYTICAL ENVIRONMENTAL SERVICES, INC

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Date:	- 1	100	/ 1 1	Pas	ge 1	!	of	1

Work Order:

COMPANY:	Atlanta Environmental Management Inc	ADDRESS:	2580 Northe	east Exp	resswa	y NE				А	NAL	YSIS	REQ	JESTI	ED				Visit our website	
	Attanta Environmental Management Me		Atlanta, GA			J						T		T					www.aesatlanta.com	
PHONE:	404 220 0006	FAX:	404-329-	2057			200.8)												to check on the status of your results, place bottle	iers
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1	5059-092117-165-006-A	9/21/17	0530	X		DW	×										<u> </u>	Ш		Í
2	5059-092117 -KS-000-8	9/21/17	0531	Ιχ		DW	X													1
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	SPECIAL INSTRUCTIONS/COMMENTS: SHIPMENT METHOD							DICE T											Same Day Rush (auth req.)
	out /						(IF D	IFFER.	ENT F	ROM A	ABOV	/E)							Other; 10 business Days	
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II.	DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT																			

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

ATTACHMENT B AES Laboratory Analytical Report



Leona Miles

From: NoReply@aesatlanta.net

Sent: Wednesday, November 30, 2016 3:00 PM

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

Subject: DCSD - 5059

Attachments: 1611E27_REPORT.pdf; 1611E27Invoice.pdf

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

AES Reporting System

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

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

ANALYTICAL ENVIRONMENTAL SERVICES, INC.



November 30, 2016

Leona Miles Atlanta Environmental Mgmt 2580 NE Expresswav Atlanta GA 30345

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

RE: DCSD - 5059

Dear Leona Miles: Order No: 1611E27

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

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

AES's accreditations are as follows:

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

Ioana Pacurar

Project Manager

IDana) Pacurar

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:
 WEZ

 Date:
 1 of 4

COMPANY:	Atlanta Environmental Management, Inc	ADDRESS:	2580 North	heast Exp	resswa	ıy, NE				ANA	ALYSI	S REQ	UEST	ED		Visit our website	
			Atlanta, G	A 30345			8.002									www.aesatlanta.com to check on the status of	
PHONE:	(404) 329-9006	FAX:	(404) 32	9-2057			ethod 2									your results, place bottle	
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3	5059-111516-DF-002-A	11/15/2016	0637	X		DW	X										(
4	5059-111516-DF-002-B	11/15/2016	0638	X		DW	X										
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6	5059-111516-DF-003-B	11/15/2016	0630	X		DW	X										Anno
7	5059-111516-DF-004-A	11/15/2016	0631	X		DW	X										
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MATRIX CODES: A = AirGW = 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

CHAIN OF CUSTODY

Work Order: IVIE27

3080 Presidential Drive, Atlanta GA 30340-3704

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

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COMPANY:	Atlanta Environmental Management, Inc	2580 Northeast Expressway, NE								Αì	NALY	SIS RI	EQUES	STED				Visit our website	
			Atlanta, GA	_	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,, 112	8.0									<u> </u>		www.aesatlanta.com	
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5	5059-111516-DF-010-A	11/15/2016	0524	X		DW	X												-1991 State
6	5059-111516-DF-010-B	11/15/2016	0525	X		DW	X												and the same
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PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

Page 3 of 54

CHAIN OF CUSTODY

3080 Presidential Drive, Atlanta GA 30340-3704

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

Work Order: 1627

Date: 16/16 Page 3 of 4

COMPANY:		Libbbbbb					_												
COMPANY:	Atlanta Environmental Management, Inc	ADDRESS:	2580 North	east Exp	resswa	y, NE				AN	ALYS	IS RE	QUES	ΓED			1	isit our website	
	-		Atlanta, GA				8.0] <u>ww</u>	w.aesatlanta.com	
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6	5059-111516-KS-007-В	11/15/2016	0529	X		DW	X												ample
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8	5059-111516-RS-001-В	11/15/2016	0676	X		DW	X												-
9	5059-111516-TL-001-A	11/15/2016	0550	X		DW	X												1
10	5059-111516-TL-001-B	11/15/2016	0551	X		DW	X												1
11	5059-111516-CS-001-A	11/15/2016	05/6	X		DW	X												- Grand
12	5059-111516-CS-001-B	11/15/2016	05 17	X		DW	X												1
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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 Page 4 of 54

CHAIN OF CUSTODY

Work Order: | WIE27

3080 Presidential Drive, Atlanta GA 30340-3704

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

Date:	11/15/16	Page	4	of	4
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COMPANY:	Atlanta Environmental Management, Inc	ADDRESS:	2580 Northe	east Exp	resswa	y, NE				Αì	NALY	SIS R	EQU	ESTEI)				isit our website	
			Atlanta, GA	30345			8.002												w.aesatlanta.com eck on the status of	
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MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water DW=Drinking Water W = Water (Blanks) O = Other (specify)

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Page 5 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-DF-001-AProject Name:DCSD - 5059Collection Date:11/15/2016 6:35:00 AMLab ID:1611E27-001Matrix:Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		BRL	1.00		ug/L	233760	1	11/28/2016 23:13	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-001-B

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:36:00 AM

 Lab ID:
 1611E27-002
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E2	00.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233760	1	11/28/2016 23:37	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 7 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-DF-002-AProject Name:DCSD - 5059Collection Date:11/15/2016 6:37:00 AMLab ID:1611E27-003Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200	8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233760) 1	11/28/2016 23:40	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-002-B

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:38:00 AM

 Lab ID:
 1611E27-004
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		BRL	1.00		ug/L	233760	1	11/28/2016 23:44	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 9 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-DF-003-AProject Name:DCSD - 5059Collection Date:11/15/2016 6:29:00 AMLab ID:1611E27-005Matrix:Drinking Water

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

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 10 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-003-B

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:30:00 AM

 Lab ID:
 1611E27-006
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200	8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233760) 1	11/28/2016 23:51	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-004-A

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:31:00 AM

 Lab ID:
 1611E27-007
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200	8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233760	1	11/28/2016 23:54	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 12 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-004-B

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:32:00 AM

 Lab ID:
 1611E27-008
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E2	200.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233760	1	11/28/2016 23:58	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 13 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-005-A

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:22:00 AM

 Lab ID:
 1611E27-009
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	BRL	1.00		ug/L	233760) 1	11/29/2016 00:01	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 14 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-005-B

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:23:00 AM

 Lab ID:
 1611E27-010
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E	200.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:05	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 15 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-006-A

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:19:00 AM

 Lab ID:
 1611E27-011
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E 2	200.2)			
Lead		BRL	1.00		ug/L	233760	1	11/28/2016 23:23	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 16 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-DF-006-BProject Name:DCSD - 5059Collection Date:11/15/2016 6:20:00 AMLab ID:1611E27-012Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E	2200.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:15	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 17 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-006-C

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:21:00 AM

 Lab ID:
 1611E27-013
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.	8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:19	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 18 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-007-A

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:15:00 AM

 Lab ID:
 1611E27-014
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E	200.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:22	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 19 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-007-B

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:16:00 AM

 Lab ID:
 1611E27-015
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		BRL	1.00		ug/L	233760	1	11/29/2016 00:26	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 20 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-008-A

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:08:00 AM

 Lab ID:
 1611E27-016
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E2	00.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:29	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 21 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-008-B

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:09:00 AM

 Lab ID:
 1611E27-017
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E	200.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:33	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

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Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-DF-009-AProject Name:DCSD - 5059Collection Date:11/15/2016 6:10:00 AMLab ID:1611E27-018Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E2	00.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:36	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 23 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-009-B

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:11:00 AM

 Lab ID:
 1611E27-019
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E2	00.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233760	1	11/29/2016 00:40	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

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Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-DF-010-AProject Name:DCSD - 5059Collection Date:11/15/2016 5:24:00 AMLab ID:1611E27-020Matrix:Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		BRL	1.00		ug/L	233760	1	11/29/2016 00:43	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 25 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-DF-010-B

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 5:25:00 AM

 Lab ID:
 1611E27-021
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	1.14	1.00		ug/L	233764	1	11/29/2016 06:12	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

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Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-KS-001-AProject Name:DCSD - 5059Collection Date:11/15/2016 5:58:00 AMLab ID:1611E27-022Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E20	0.8			(E2	200.2)			
Lead	7.30	1.00		ug/L	233764	. 1	11/29/2016 06:43	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

Less than Result value

NC Not confirmed

J Estimated value detected below Reporting Limit

Page 27 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-KS-001-B

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 5:59:00 AM

 Lab ID:
 1611E27-023
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		BRL	1.00		ug/L	233764	. 1	11/29/2016 06:49	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 28 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-KS-002-AProject Name:DCSD - 5059Collection Date:11/15/2016 6:02:00 AMLab ID:1611E27-024Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E	E200.8			(E2	200.2)			
Lead	1.50	1.00		ug/L	233764	1	11/29/2016 06:55	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 29 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-KS-002-BProject Name:DCSD - 5059Collection Date:11/15/2016 6:04:00 AMLab ID:1611E27-025Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E2	200.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233764	. 1	11/29/2016 07:20	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 30 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-KS-002-C

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:03:00 AM

 Lab ID:
 1611E27-026
 Matrix:
 Drinking Water

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

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit Page 31 of 54

Date:

30-Nov-16

Client Sample ID: 5059-111516-KS-003-A **Client:** Atlanta Environmental Mgmt Project Name: DCSD - 5059 **Collection Date:** 11/15/2016 5:54:00 AM Lab ID:

1611E27-027 Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	(00.2)			
Lead	2.13	1.00		ug/L	233764	1	11/29/2016 07:33	JS

Date:

30-Nov-16

Qualifiers:

Value exceeds maximum contaminant level

BRL Below reporting limit

Н Holding times for preparation or analysis exceeded

Analyte not NELAC certified

Analyte detected in the associated method blank

Greater than Result value

E Estimated (value above quantitation range)

Spike Recovery outside limits due to matrix

Narr See case narrative

Not confirmed

Less than Result value

Estimated value detected below Reporting Limit

Page 32 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-KS-003-BProject Name:DCSD - 5059Collection Date:11/15/2016 5:55:00 AMLab ID:1611E27-028Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E	2200.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233764	. 1	11/29/2016 07:39	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 33 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-KS-004-A

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 5:40:00 AM

Lab ID:1611E27-029Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	32.6	1.00		ug/L	233764	1	11/29/2016 07:45	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 34 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-KS-004-B

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 5:41:00 AM

 Lab ID:
 1611E27-030
 Matrix:
 Drinking Water

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

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 35 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-KS-005-AProject Name:DCSD - 5059Collection Date:11/15/2016 5:36:00 AMLab ID:1611E27-031Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E20	00.8			(E2	200.2)			
Lead	2.04	1.00		ug/L	233764	1	11/29/2016 06:30	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 36 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-KS-005-BProject Name:DCSD - 5059Collection Date:11/15/2016 5:37:00 AMLab ID:1611E27-032Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	2.06	1.00		ug/L	233764	1	11/29/2016 07:58	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 37 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-KS-006-AProject Name:DCSD - 5059Collection Date:11/15/2016 5:32:00 AMLab ID:1611E27-033Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	21.1	1.00		ug/L	233764	1	11/29/2016 08:04	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 38 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-KS-006-B

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 5:33:00 AM

 Lab ID:
 1611E27-034
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E2	00.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233764	. 1	11/29/2016 08:11	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

Less than Result value

NC Not confirmed

J Estimated value detected below Reporting Limit

Page 39 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-KS-007-AProject Name:DCSD - 5059Collection Date:11/15/2016 5:28:00 AMLab ID:1611E27-035Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E2	200.8			(E2	200.2)			
Lead	8.81	1.00		ug/L	233764	1	11/29/2016 08:17	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 40 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-KS-007-BProject Name:DCSD - 5059Collection Date:11/15/2016 5:29:00 AMLab ID:1611E27-036Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E2	00.8			(E2	200.2)			
Lead	2.80	1.00		ug/L	233764	1	11/29/2016 08:42	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 41 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-RS-001-A

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 6:25:00 AM

 Lab ID:
 1611E27-037
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E2	00.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233764	. 1	11/29/2016 08:48	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 42 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-RS-001-BProject Name:DCSD - 5059Collection Date:11/15/2016 6:26:00 AMLab ID:1611E27-038Matrix:Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		BRL	1.00		ug/L	233764	. 1	11/29/2016 08:54	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 43 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-TL-001-AProject Name:DCSD - 5059Collection Date:11/15/2016 5:50:00 AMLab ID:1611E27-039Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E20	0.8			(E2	200.2)			
Lead	1.01	1.00		ug/L	233764	1	11/29/2016 09:01	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 44 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-TL-001-BProject Name:DCSD - 5059Collection Date:11/15/2016 5:51:00 AMLab ID:1611E27-040Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E	200.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233764	. 1	11/29/2016 09:07	JS

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 45 of 54

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-CS-001-A

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 5:16:00 AM

 Lab ID:
 1611E27-041
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	BRL	1.00		ug/L	233475	1	11/22/2016 15:08	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-111516-CS-001-B

 Project Name:
 DCSD - 5059
 Collection Date:
 11/15/2016 5:17:00 AM

 Lab ID:
 1611E27-042
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E 2	200.2)			
Lead		BRL	1.00		ug/L	233475	1	11/22/2016 15:12	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

Less than Result value

NC Not confirmed

J Estimated value detected below Reporting Limit

Page 47 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-IM-001-AProject Name:DCSD - 5059Collection Date:11/15/2016 5:20:00 AMLab ID:1611E27-043Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E	200.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233475	1	11/22/2016 15:15	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 48 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-KS-008-AProject Name:DCSD - 5059Collection Date:11/15/2016 5:46:00 AMLab ID:1611E27-044Matrix:Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E 2	200.2)			
Lead		5.08	1.00		ug/L	233475	1	11/22/2016 15:19	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 49 of 54

Client:Atlanta Environmental MgmtClient Sample ID:5059-111516-KS-008-BProject Name:DCSD - 5059Collection Date:11/15/2016 5:47:00 AMLab ID:1611E27-045Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E	200.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	233475	1	11/22/2016 15:22	JR

Date:

30-Nov-16

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

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Sample/Cooler Receipt Checklist

Client AHANTA ENV MgMt		Work Order	Number	1611E27
Checklist completed by All Signature Date	fullu			
Carrier name: FedEx UPS Courier Client \(\subseteq \text{US}	S Mail Other	r		
Shipping container/cooler in good condition?	Yes _	No	Not Present _	_
Custody seals intact on shipping container/cooler?	Yes _	No	Not Present _	_
Custody seals intact on sample bottles?	Yes	No	Not Present _	
Container/Temp Blank temperature in compliance? (0°≤6°C)		No		
Cooler #1 Cooler #2 Cooler #3	Cooler #4 _	Coo	ler#5	Cooler #6
Chain of custody present?	Yes 🗸	No		
Chain of custody signed when relinquished and received?	Yes 🗹	No		
Chain of custody agrees with sample labels?	Yes _	No		
Samples in proper container/bottle?	Yes _	No		
Sample containers intact?	Yes _	No		
Sufficient sample volume for indicated test?	Yes 🗹	No _		
All samples received within holding time?	Yes _	No		
Was TAT marked on the COC?	Yes 🗸	No		
Proceed with Standard TAT as per project history?	Yes _	No	Not Applicat	ole
Water - VOA vials have zero headspace? No VOA vials su	ibmitted	Yes	No	
Water - pH acceptable upon receipt?	Yes	No _	Not Applical	ole
Adjusted?			AJ	_
Sample Condition: Good Other(Explain)				antenna.
(For diffusive samples or AIHA lead) Is a known blank include	led? Yes	N	Io /	

See Case Narrative for resolution of the Non-Conformance.

\\Aes_server\l\Sample Receipt\\My Documents\COCs and pH Adjustment Sheet\Sample_Cooler_Recipt_Checklist_Rev1.rtf

^{*} Samples do not have to comply with the given range for certain parameters.

Client: Atlanta Environmental Mgmt

Project Name: DCSD - 5059 Workorder: 1611E27

ANALYTICAL QC SUMMARY REPORT

Date:

30-Nov-16

BatchID: 233475

Sample ID: MB-233475 SampleType: MBLK	Client ID:	Trace Elements by ICP/M	AS E200.8		Uni Bate	ts: ug/L	Prep Date: Analysis Date:	11/22/2016	Run No: 330495 Seq No: 7185622
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC		High Limit RPD Re		•
Allaryte	Result	KF1 LIIIII	SFK value	SFK Kei vai	70KEC	LOW LIIIII	nigh Linht KFD Ke	i vai /0KFI	KrD Lillit Quai
Lead	BRL	1.00							
Sample ID: LCS-233475	Client ID:				Uni	ts: ug/L	Prep Date:	11/22/2016	Run No: 330495
SampleType: LCS	TestCode:	Trace Elements by ICP/N	1S E200.8		Bate	chID: 233475	Analysis Date:	11/22/2016	Seq No: 7185623
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	94.66	1.00	100.0	0.03531	94.6	85	115		
Sample ID: 1611B55-001AMS	Client ID:				Uni	ts: ug/L	Prep Date:	11/22/2016	Run No: 330495
SampleType: MS	TestCode:	Trace Elements by ICP/N	1S E200.8		Bate	chID: 233475	Analysis Date:	11/22/2016	Seq No: 7185625
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	99.75	1.00	100.0	0.2941	99.5	70	130		
Sample ID: 1611C99-008AMS	Client ID:				Uni	ts: ug/L	Prep Date:	11/22/2016	Run No: 330495
SampleType: MS	TestCode:	Trace Elements by ICP/N	4S E200.8		Bate	chID: 233475	Analysis Date:	11/22/2016	Seq No: 7185628
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	RPD Limit Qual
Lead	98.27	1.00	100.0	0.3482	97.9	70	130		
Sample ID: 1611B55-001AMSD	Client ID:				Uni	ts: ug/L	Prep Date:	11/22/2016	Run No: 330495
SampleType: MSD	TestCode:	Trace Elements by ICP/N	AS E200.8		Bate	chID: 233475	Analysis Date:	11/22/2016	Seq No: 7185626
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	99.40	1.00	100.0	0.2941	99.1	70	130 99.75	5 0.352	2 20

Qualifiers: > Greater than Result value

BRL Below reporting limit

Rpt Lim Reporting Limit

J Estimated value detected below Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

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Client: Atlanta Environmental Mgmt

Project Name: DCSD - 5059 **Workorder:** 1611E27

ANALYTICAL QC SUMMARY REPORT

Date:

30-Nov-16

BatchID: 233760

Sample ID: MB-233760 SampleType: MBLK	Client ID:	Trace Elements by ICP/N	AS E200.8		Uni	ts: ug/L	Prep Date: Analysis Date:	11/28/2016	Run No: 330861 Seq No: 7197162
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC		High Limit RPD Re		
Allalyte	Resuit	KF1 LIIIII	SFK value	SFK Kei vai	70KEC	LOW LIIIII	High Linht KFD Ke	i vai /0KFI	Krd Lillit Quai
Lead	BRL	1.00							
Sample ID: LCS-233760	Client ID:				Uni	ts: ug/L	Prep Date:	11/28/2016	Run No: 330861
SampleType: LCS	TestCode:	Trace Elements by ICP/N	AS E200.8		Bato	chID: 233760	Analysis Date:	11/28/2016	Seq No: 7197163
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	92.79	1.00	100.0		92.8	85	115		
Sample ID: 1611E27-001AMS	Client ID:	5059-111516-DF-001	-A		Uni	ts: ug/L	Prep Date:	11/28/2016	Run No: 330861
SampleType: MS	TestCode:	Trace Elements by ICP/N	AS E200.8		Bato	chID: 233760	Analysis Date:	11/28/2016	Seq No: 7197165
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	89.77	1.00	100.0	0.3248	89.4	70	130		
Sample ID: 1611E27-011AMS	Client ID:	5059-111516-DF-006	5-A		Uni	ts: ug/L	Prep Date:	11/28/2016	Run No: 330861
SampleType: MS	TestCode:	Trace Elements by ICP/M	AS E200.8		Bato	chID: 233760	Analysis Date:	11/28/2016	Seq No: 7197170
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	87.36	1.00	100.0	0.3779	87.0	70	130		
Sample ID: 1611E27-001AMSD	Client ID:	5059-111516-DF-001	-A		Uni	ts: ug/L	Prep Date:	11/28/2016	Run No: 330861
SampleType: MSD	TestCode:	Trace Elements by ICP/N	IS E200.8		Bate	chID: 233760	Analysis Date:	11/28/2016	Seq No: 7197166
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	92.52	1.00	100.0	0.3248	92.2	70	130 89.77	7 3.01	20

Qualifiers: > Greater than Result value

BRL Below reporting limit

Rpt Lim Reporting Limit

J Estimated value detected below Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Page 53 of 54

Client: Atlanta Environmental Mgmt

Project Name: DCSD - 5059 Workorder: 1611E27

ANALYTICAL QC SUMMARY REPORT

Date:

30-Nov-16

BatchID: 233764

Sample ID: MB-233764 SampleType: MBLK	Client ID:	Trace Elements by ICP/M	IS E200.8		Uni	ts: ug/L	Prep Date: Analysis Date:	11/28/2016	Run No: 330909 Seq No: 7198389
Sample Type. WIBLK	resicoue.	Truce Elements by Tellyin	15 120010		Dan	.IIID. 233704	Allalysis Date.	11/23/2010	Seq No. 7196369
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	RPD Limit Qual
Lead	BRL	1.00							
Sample ID: LCS-233764 SampleType: LCS	Client ID: TestCode:	Trace Elements by ICP/M	1S E200.8		Uni Bate	ts: ug/L chID: 233764	Prep Date: Analysis Date:	11/28/2016 11/29/2016	Run No: 330909 Seq No: 7198390
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	106.3	1.00	100.0		106	85	115		
Sample ID: 1611E27-021AMS SampleType: MS		5059-111516-DF-010 Trace Elements by ICP/M			Uni Bate	ts: ug/L chID: 233764	Prep Date: Analysis Date:	11/28/2016 11/29/2016	Run No: 330909 Seq No: 7198392
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	RPD Limit Qual
Lead	105.3	1.00	100.0	1.142	104	70	130		
Sample ID: 1611E27-031AMS SampleType: MS		5059-111516-KS-005 Trace Elements by ICP/M			Uni Bate	ts: ug/L chID: 233764	Prep Date: Analysis Date:	11/28/2016 11/29/2016	Run No: 330909 Seq No: 7198395
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	RPD Limit Qual
Lead	104.4	1.00	100.0	2.040	102	70	130		
Sample ID: 1611E27-021AMSD SampleType: MSD		5059-111516-DF-010 Trace Elements by ICP/M			Uni Bate	ts: ug/L chID: 233764	Prep Date: Analysis Date:	11/28/2016 11/29/2016	Run No: 330909 Seq No: 7198393
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	RPD Limit Qual
Lead	103.9	1.00	100.0	1.142	103	70	130 105	3 1.34	20

Qualifiers: Greater than Result value

> BRL Below reporting limit

Rpt Lim Reporting Limit

Estimated value detected below Reporting Limit

S Spike Recovery outside limits due to matrix

Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

R RPD outside limits due to matrix

H Holding times for preparation or analysis exceeded

B Analyte detected in the associated method blank

Page 54 of 54

Leona Miles

From: NoReply@aesatlanta.net

Sent: Wednesday, April 19, 2017 2:19 PM

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

Subject: DCSD - 5059

Attachments: 1704233_REPORT.pdf; 1704233Invoice.pdf

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

AES Reporting System

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

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ANALYTICAL ENVIRONMENTAL SERVICES, INC.



April 19, 2017

Leona Miles Atlanta Environmental Mgmt 2580 NE Expresswav Atlanta GA 30345

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

RE: DCSD - 5059

Dear Leona Miles: Order No: 1704233

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

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

AES's accreditations are as follows:

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

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

Ioana Pacurar

Project Manager

IDana) Pacurar

CHAIN

3080 Presidential Drive, Atlanta GA 30340-3704

ANALYTICAL ENVIRONMENTAL SERVICES, INC

N OF CUSTODY Work Or	rder: 1704233
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AES	3080 Presidential Drive, Atlanta GA 30340-3704 TEL.: (770) 457-8177 / TOLL-FREE (800) 972-488	9 / FAX: (770 <u>)</u>) 457-8188														Date:	115	7 Page 1 of	32
COMPANY:	Atlanta Environmental Management, Inc	ADDRESS:	2580 Northe	ast Exp	oresswa	y, NE				Α	ANAI	YSIS	REQU	JESTI	ED			1	Visit our website	
			Atlanta, GA	30345			200.8												www.aesatlanta.com to check on the status of	
PHONE:	(404) 329-9006	FAX:	(404) 329	-2057	7		ethod											:	your results, place bottle	ainers
SAMPLED BY:	Livolsey Hyele	SIGNATURE:	4	56	4	p.	Total Pb M												orders, etc.	No # of Containers
#	SAMPLE ID	SAN	APLED		Composite	Matrix (See codes)	Ţ			F	PRESI	ERVAT	ION (S	See cod	es)				REMARKS	No.
		DATE	TIME	Grab	Сот	Matri (See	I												KEWIAKKS	
I	5059-040517-SC-001-A	4/5/2017	0456	X		DW	×													- Carrier
2	5059-040517-KS-006-A	4/5/2017	0500	X		DW	\times							_						
3	5059-040517-KS-006-B	4/5/2017	0501	X		DW	<													-
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5	5059-040517-KS-004-B	4/5/2017	0564	X		DW	X								_	_				JOHN LIVE
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12							-			+	_		\dashv	+	-		+			
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15 RELINQUISHED	BY DATE/TIME	RECEIVED B	<u> </u>	<u> </u>		DATE/TIMI			l	Щ,	DD (1	FCTI	NEOD	MATI	ON			\dashv	RECEIPT	
ELINQUISHED	Hu 4/5/17 7:30	1: Mor	14		4/5/	date/timi 1-1 7:30	PROJ	ECT N	NAME:		DCS		W OK	MAII	011				Total # of Containers	
:: <		2:	7				PRO.	ECT #			1	561- 5	1601 059						Turnaround Time Request Standard 5 Business Days	
:		3: SEND REPORT TO:							Leoi	na M	iles a	and T	ſim l	Royer			2 Business Day Rush Next Business Day Rush			
SPECIAL INSTR	UCTIONS/COMMENTS:	SHIPMENT METHOD OUT / / VIA:						INVOICE TO: (IF DIFFERENT FROM ABOVE)									Same Day Rush (auth req.) Other: 10 business Days			
reserve at the L	ab per protocol	IN / VIA: COLEMP FedEx UPS MAIL COURIER					leona-miles@aem-net.com; tim-royer@aem-net.com								STATE PROGRAM (if any): E-mail? Y/N; Fax? Y/N					
			EYHOUND O				—	TE #:_						PO#:					DATA PACKAGE; I II III	IV
	EIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT						MARI	CED C	N CO	C AES	WIL	L PRO	CEEL	AS S	ΓAND	ARD T.	AT.			

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

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

Page 2 of 9

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-040517-SC-001-A

 Project Name:
 DCSD - 5059
 Collection Date:
 4/5/2017 4:56:00 AM

 Lab ID:
 1704233-001
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		BRL	1.00		ug/L	240994	1	04/13/2017 15:28	JR

Date:

19-Apr-17

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 3 of 9

Client:Atlanta Environmental MgmtClient Sample ID:5059-040517-KS-006-AProject Name:DCSD - 5059Collection Date:4/5/2017 5:00:00 AMLab ID:1704233-002Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS F	E200.8			(E2	200.2)			
Lead	24.9	1.00		ug/L	240994	. 1	04/13/2017 15:59	JR

Date:

19-Apr-17

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-040517-KS-006-B

 Project Name:
 DCSD - 5059
 Collection Date:
 4/5/2017 5:01:00 AM

 Lab ID:
 1704233-003
 Matrix:
 Drinking Water

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

Date:

19-Apr-17

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-040517-KS-004-A

 Project Name:
 DCSD - 5059
 Collection Date:
 4/5/2017 5:03:00 AM

 Lab ID:
 1704233-004
 Matrix:
 Drinking Water

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

Date:

19-Apr-17

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 6 of 9

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-040517-KS-004-B

 Project Name:
 DCSD - 5059
 Collection Date:
 4/5/2017 5:04:00 AM

 Lab ID:
 1704233-005
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E20	0.8			(E2	200.2)			
Lead	3.25	1.00		ug/L	240994	1	04/13/2017 16:31	JR

Date:

19-Apr-17

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit



SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name:				AES Work Order Numbe	r:
2. Carrier: FedEx UPS USPS Client Courier Other					
	Yes	No	N/A	Details	Comments
3. Shipping container/cooler received in good condition?	Т		Ī	damaged leaking other	
4. Custody seals present on shipping container?	+				
5. Custody seals intact on shipping container?					
6. Temperature blanks present?	1				
Cooler temperature(s) within limits of 0-6°C2 [See item 13 and 14 for	+			Cooling initiated for recently collected samples / ice	
7. temperature recordings.]				present	
8. Chain of Custody (COC) present?	1				
9. Chain of Custody signed, dated, and timed when relinquished and received	?				
10. Sampler name and/or signature on COC?					
11. Were all samples received within holding time?					
12. TAT marked on the COC?	+			If no TAT indicated, proceeded with standard TAT per Te	erms & Conditions.
					-
13. Cooler 1 Temperature °C Cooler 2 Temperature Cooler 5 Temperature °C Cooler 6 Temperature			°C	Cooler 3 Temperature °C Coole	er 4 Temperature°C
Cooler 5 Temperature °C Cooler 6 Temperature			-		8 Temperature °C
15. Comments:					
				Logrify that I have so	ampleted sections 1 1E (detect initials)
				r certify that I have co	ompleted 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 illegible	
·				no label Other	
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	
21. Were all of the samples listed on the Coc received:				samples listed on COC not received	
22. Was the sample collection date/time noted?					
23. Did we receive sufficient sample volume for indicated analyses?	T				
24. Were samples received in appropriate containers?	T				
25. Were VOA samples received without headspace (< 1/4" bubble)?					
26. Were trip blanks submitted?				listed on COC not listed on COC	
27. Comments:			•		•
				to all the the	
				·	ompleted sections 16-27 (dated initials).
	Yes	No	N/A	Details T	Comments
28. Have containers needing chemical preservation been checked?	+	}			
29. Containers meet preservation guidelines?	+	}			
30. Was pH adjusted?					

Project Name:

Workorder:

Atlanta Environmental Mgmt **Client:**

1704233

ANALYTICAL QC SUMMARY REPORT

Date:

19-Apr-17

DCSD - 5059 BatchID: 240994

Sample ID: MB-240994	Client ID:				Uni	ts: ug/L	Prep Date: 04/13/2017 Run No: 340709
SampleType: MBLK	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 240994	Analysis Date: 04/13/2017 Seq No: 7457511
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-240994	Client ID:				Uni	ts: ug/L	Prep Date: 04/13/2017 Run No: 340709
SampleType: LCS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 240994	Analysis Date: 04/13/2017 Seq No: 7457512
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref Val %RPD RPD Limit Qual
Lead	102.2	1.00	100.0		102	85	115
Sample ID: 1704233-001AMS		5059-040517-SC-001			Uni	ts: ug/L	Prep Date: 04/13/2017 Run No: 340709
SampleType: MS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 240994	Analysis Date: 04/13/2017 Seq No: 7457514
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref Val %RPD RPD Limit Qual
Lead	102.3	1.00	100.0	0.7422	102	70	130
Sample ID: 1704234-006AMS	Client ID:				Uni	ts: ug/L	Prep Date: 04/13/2017 Run No: 340709
SampleType: MS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 240994	Analysis Date: 04/13/2017 Seq No: 7457517
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref Val %RPD RPD Limit Qual
Lead	629.2	1.00	100.0	528.5	101	70	130
Sample ID: 1704233-001AMSD	Client ID:	5059-040517-SC-001	-A		Uni	ts: ug/L	Prep Date: 04/13/2017 Run No: 340709
SampleType: MSD	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 240994	Analysis Date: 04/13/2017 Seq No: 7457515
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref Val %RPD RPD Limit Qual
Lead	99.32	1.00	100.0	0.7422	98.6	70	130 102.3 2.92 20

Qualifiers: Greater than Result value

> BRL Below reporting limit

Rpt Lim Reporting Limit

Estimated value detected below Reporting Limit

S Spike Recovery outside limits due to matrix

E Estimated (value above quantitation range)

Less than Result value

N Analyte not NELAC certified

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Page 9 of 9

Leona Miles

From: NoReply@aesatlanta.net

Sent: Monday, October 2, 2017 5:59 PM

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

Subject: DCSD - 5059

Attachments: 1709H88_REPORT.pdf; 1709H88Invoice.pdf

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

AES Reporting System

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

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 02, 2017

Leona Miles Atlanta Environmental Mgmt

2580 NE Expressway

Atlanta

GA

30345

RE: DCSD - 5059

Leona Miles: Dear Order No: 1709H88

Analytical Environmental Services, Inc. received

2 samples on 9/21/2017 8:05:00 AM

for the analyses presented in following report.

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

-NELAP/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions for Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18. State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.

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

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

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

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

Sincerely,

Ioana Pacurar

Project Manager

Ivana Pacurar

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

CHAIN OF CUSTODY

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

OMPANY:	Atlanta Environmental Management Inc	ADDRESS:	2580 Northe	east Exn	resswa	v NE				1	ANAI	YSIS	REQU	JESTI	ED			Visit our website	
	Atlanta Environmental Management Inc		Atlanta, GA		. 900 11 16	, - , 2	(8)											www.aesatlanta.com to check on the status of	
HONE:	404-329-9006		404-329-	2057			200.8)											your results, place bottle orders, etc.	
AMPLED BY:	Andy Jensen	SIGNATURE:	Allega	-			Lead (0.2513, 553	No # of Containers
#	SAMPLE ID	SAM	PLED		osite	Matrix (See codes)	7				PRES	ERVA	TION (S	See cod	es)			REMARKS	ž
"		DATE	TIME	Grab	Composite		I											N.S.M. M. M.	ļ , .
1	5059-092117-149-006-A	9/21/17	0530	χ		DW	1			_			_				_		1 1
2	5059-092117 -KS-000-8	9/21/17	0531	<u> </u>		DW	X						_	-		\perp			
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6				_			-						-	\dashv					
7														+	+	-			
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12																			
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14																			
15 RELINQUISHED	DBY DATE/TIME	RECEIVED B	Y		·	DATE/TIME					PRO	JECT	INFOF	RMAT	ON			RECEIPT	
1: 1/1	~ 9/21/11 0700 ~ 9/21/17 0805	1: 2	-5	9/	24 1	7 0763			NAME		DC		Z01					Total # of Containers	
2: -	R 9/21/17 0805	2: Tanja	6000	ala d	1120		_	JECT :				51-1						Turnaround Time Reque	
	9/21/17 0003	$\frac{1}{3}$ $\frac{1}$	izzite -	44	178	<u>, cs</u>	SITE	E ADD	RESS:			50	59	١				O 2 Business Day Rush	
5 :		[<i>U</i>					SEN	D REP	ORT	TO:		leor	a-mi	les@)aem	-net.c	<u>oṁ</u>	Next Business Day Rush	
SPECIAL INSTR	UCTIONS/COMMENTS:	OUT /	SHIPME	NT METHO			1		TO: RENT l									Same Day Rush (auth re Other: 10 business Days	q.)
pres	erve samples at lab	IN CLIEN	/ FedEx	VIA:		JRIER												STATE PROGRAM (if any): E-mail? Y/N; Fax? Y/N	 I
'		_		OTHER_			QUO	OTE#:						PO#:_				DATA PACKAGE: I II II	I IV
SAMPLES REC	CEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS I	RECEIVED ON	THE NEXT B	USINESS	DAY; IF	NO TAT IS	MAR	KED (ON CO	OC AE	s wi	LL PR	OCEE	D AS	TAND	ARD TA	AT.		
	EDISPOSED OF 30 DAVS AFTER COMPLETION OF REPORT																		

Client:Atlanta Environmental MgmtClient Sample ID:5059-092117-KS-006-AProject Name:DCSD - 5059Collection Date:9/21/2017 5:30:00 AMLab ID:1709H88-001Matrix:Drinking Water

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

Date:

2-Oct-17

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 3 of 6

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 5059-092117-KS-006-B

 Project Name:
 DCSD - 5059
 Collection Date:
 9/21/2017 5:31:00 AM

 Lab ID:
 1709H88-002
 Matrix:
 Drinking Water

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

Date:

2-Oct-17

Qualifiers:

* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit



SAMPLE/COOLER RECEIPT CHECKLIST

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

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

Client: Atlanta Environmental Mgmt

Project Name: DCSD - 5059 **Workorder:** 1709H88

ANALYTICAL QC SUMMARY REPORT

Date:

2-Oct-17

BatchID: 248780

Sample ID: MB-248780	Client ID:	To a Florente la ICDA	#C F200.0		Uni	. 0	Prep Date:	09/25/2017	Run No: 352887
SampleType: MBLK	TestCode:	Trace Elements by ICP/M	15 E200.8		Bat	chID: 248780	Analysis Date:	09/26/2017	Seq No: 7762123
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPI	O RPD Limit Qual
Lead	BRL	1.00							
Sample ID: LCS-248780	Client ID:				Uni	ts: ug/L	Prep Date:	09/25/2017	Run No: 352887
SampleType: LCS	TestCode:	Trace Elements by ICP/N	1S E200.8		Bate	chID: 248780	Analysis Date:	09/26/2017	Seq No: 7762126
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPE	O RPD Limit Qual
Lead	95.33	1.00	100.0		95.3	85	115		
Sample ID: 1709E50-006AMS	Client ID:				Uni	ts: ug/L	Prep Date:	09/25/2017	Run No: 352887
SampleType: MS	TestCode:	Trace Elements by ICP/N	1S E200.8		Bate	chID: 248780	Analysis Date:	09/26/2017	Seq No: 7762128
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPI	O RPD Limit Qual
Lead	97.60	1.00	100.0	3.870	93.7	70	130		
Sample ID: 1709G33-002AMS	Client ID:				Uni	ts: ug/L	Prep Date:	09/25/2017	Run No: 352887
SampleType: MS	TestCode:	Trace Elements by ICP/N	1S E200.8		Bate	chID: 248780	Analysis Date:	09/26/2017	Seq No: 7762132
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPE	O RPD Limit Qual
Lead	94.51	1.00	100.0		94.5	70	130		
Sample ID: 1709E50-006AMSD	Client ID:				Uni	ts: ug/L	Prep Date:	09/25/2017	Run No: 352887
SampleType: MSD	TestCode:	Trace Elements by ICP/M	1S E200.8		Bate	chID: 248780	Analysis Date:	09/26/2017	Seq No: 7762129
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPI	O RPD Limit Qual
Lead	99.32	1.00	100.0	3.870	95.5	70	130 97.6	0 1.75	20

Qualifiers: > Greater than Result value

BRL Below reporting limit

Rpt Lim Reporting Limit

J Estimated value detected below Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Page 6 of 6

October 9, 2017

Via E-Mail: Joshua_I_williams@dekalbschoolsga.org

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

Re: Summary of Additional Lead in Drinking Water Sample Results Kingsley Elementary School (Facility ID #5059) 2051 Brendon Drive, Atlanta, Georgia 30338 AEM Project No. 1561-1601

Dear Mr. Williams:

Atlanta Environmental Management, Inc. (AEM) is pleased to provide the DeKalb County School District (DCSD) an electronic copy of the Lead in Drinking Water Sample Results for Kingsley Elementary School (Facility ID #5059). Additional drinking water samples from select source units were collected on April 5, 2017, and September 21, 2017, and analytical results were received from Analytical Environmental Services, Inc., on April 19, 2017, and October 2, 2017.

FINDINGS

Initial Sample Results of Previously Identified Source Unit Not Sampled

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

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

Sample Results of Previously Identified Source Units That Exceeded 15 ppb

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

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

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

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

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

Sincerely,

Atlanta Environmental Management, Inc.

Leona Miles, CHMM Senior Project Manager

Janet T. Hart President

/krf

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

Sandra Glenn (DeKalb County Watershed Management)

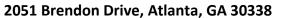
Ryan Cira (DeKalb Board of Health)

Attachment: Table



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

Kingsley Elementary School





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

Notes:

ppb-parts per billion

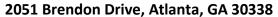
Bold-Exceeds 15 ppb--EPA's

Action Level for Lead

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

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

Kingsley Elementary School





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

Notes:

ppb-parts per billion

Bold-Exceeds 15 ppb--EPA's

Action Level for Lead

The source unit was replaced and/or a filter was installed by DCSD and retesting was conducted. The above summarizes the retest results.

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

^{**}The source unit was initially sampled on 11/15/16 and the initial results indicated that a concentration exceeded the EPA standard of 15 ppb.