November 28, 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 Avondale High/DSA Facility (Facility ID #1051) 1192 Clarendon Avenue, Avondale Estates, Georgia 30002 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 Avondale High/DSA Facility (Facility ID #1051). Additional drinking water samples from select source units were collected on October 3, 2017, and November 2, 2017, and analytical results were received from Analytical Environmental Services, Inc., on October 13, 2017, and November 14, 2017.

#### **FINDINGS**

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

During the initial sampling event on January 5, 2017, two source units (DF-010 and OT-001) were inoperable and could not be sampled. DCSD made repairs to the inoperable source units and AEM collected four drinking water samples on October 3, 2017. A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 1.

The samples collected did not have a result at a concentration at or above 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 January 5, 2017, six 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 eight drinking water samples on October 3, 2017. An attempt was made to collect drinking water samples from source units DF-005 and DF-007; however, the units were inoperable. A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 2.

None of the samples collected from source units DF-023 and CS-001 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 samples collected from source units DF-011 and RS-002 contained lead at a concentration at or above EPA's action level of 15 ppb. DCSD replaced the source units with

Mr. Joshua Williams—DeKalb County School District November 28, 2017 Page 2

new fixtures and also repaired source units DF-005 and DF-007 and AEM collected eight drinking water samples on November 2, 2017.

None of the samples collected from source units DF-005, DF-007, and DF-011 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 RS-002 contained lead at a concentration at or above EPA's action level of 15 ppb. DCSD made the decision to remove source unit RS-002 from service and then capped the lines. Thus, no further testing of RS-002 will be conducted.

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)



## **TABLES**



### **Avondale High/DSA Facility**



1192 Clarendon Avenue, Avondale Estates, GA 30002

Sample ID*/**	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
1051-100317-DF-010-A	Initial Draw Sample; Single Elkay Drinking Fountain near Rm 104	10/3/17 5:28 AM	5.65
1051-100317-DF-010-В	Initial Draw Sample; Single Elkay Drinking Fountain near Rm 104	10/3/17 5:29 AM	7.53
1051-100317-OT-001-A	Initial Draw Sample; Sink in Concession Stand in the Gym	10/3/17 6:07 AM	13.6
1051-100317-OT-001-B	Flush Sample; Sink in Concession Stand in the Gym	10/3/17 6:08 AM	1.04

#### Notes:

ppb-parts per billion

Bold-Exceeds 15 ppb--EPA's

Action Level for Lead

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

<sup>\*\*</sup> Source unit was inoperable on the initial test date (1/5/17). The above summarizes the results of the initial testing of this unit post-repair

### **Avondale High/DSA Facility**



1192 Clarendon Avenue, Avondale Estates, GA 30002

			Lead Test Results
Sample ID*/**	Sample Location Description	Sample Date & Time	(ppb)
	Initial Draw sample;Wall Mounted Elkay Drinking Fountain on right near Gym and		
1051-110217-DF-005-A	Concessions/Rm 93	11/2/17 5:31 AM	1.12
	Flush sample; Wall Mounted Elkay Drinking Fountain on right near Gym and		
1051-110217-DF-005-В	Concessions/Rm 93	11/2/17 5:32 AM	1.18
1051-110217-DF-007-A	Initial Draw sample; Left Elkay Drinking Fountain near Rm 214	11/2/17 5:23 AM	3.61
1051-110217-DF-007-B	Flush sample; Left Elkay Drinking Fountain near Rm 214	11/2/17 5:24 AM	4.58
1051-110217-DF-011-A	Initial Draw sample; Left Elkay Drinking Fountain in hallway across from Rm 117	11/2/17 5:05 AM	4.28
1051-110217-DF-011-B	Flush sample; Left Elkay Drinking Fountain in hallway across from Rm 117	11/2/17 5:06 AM	3.99
	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in hallway across from		
1051-100317-DF-023-A	Library	10/3/17 5:20 AM	11.1
1051-100317-DF-023-B	Flush sample; Single wall mounted Elkay Drinking Fountain in hallway across from Library	10/3/17 5:21 AM	8.50
1051-100317-CS-001-A	Initial Draw sample; Retest Sampled sink labeled "Meat Sink Only" in back of Kitchen	10/3/17 5:36 AM	1.18
1051-100317-CS-001-B	Flush sample; Retest Sampled sink labeled "Meat Sink Only" in back of Kitchen	10/3/17 5:37 AM	None Detected

#### Notes:

ppb-parts per billion

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

Action Level for Lead

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

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

<sup>\*\*</sup> Source unit was initially sampled on 1/5/17 and the initial result indicated that the concentration exceeded the EPA standard of 15 ppb.

January 17, 2018

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

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

Re: Lead in Drinking Water Sampling Report Avondale High/DSA Facility (Facility ID #1051) 1192 Clarendon Avenue, Avondale Estates, Georgia 30002 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 Avondale High School/DSA Facility (Facility ID #1051).

Initial sampling was conducted on January 5, 2017, and analytical results were received from Analytical Environmental Services, Inc., on January 19, 2017. Additional drinking water samples from select source units were collected on October 3, 2017, and November 2, 2017, and analytical results were received from Analytical Environmental Services, Inc., on October 13, 2017, and November 14, 2017.

#### **FINDINGS**

#### Initial Testing

AEM collected 60 drinking water samples from 30 sources at Avondale High/DSA Facility (Facility ID #1051), including 2 duplicate samples (see Figure 1). Samples were collected in accordance with the Water Sampling Methodology Protocol for DeKalb County School District, dated September 12, 2016. A copy of AEM's Field Sampling Notes is provided in Attachment A.

A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 1. Six of the sources sampled had a drinking water sample result that contained lead at a concentration at or above EPA's action level of 15 parts per billion (ppb). These sources are indicated in bold and shaded font in the attached table. A copy of the AES laboratory analytical report is provided in Attachment B.

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

During the initial sampling event on January 5, 2017, two source units (DF-010 and OT-001) were inoperable and/or inaccessible and could not be sampled. DCSD made repairs and provided access to the source units and AEM collected four drinking water samples on October 3, 2017. A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 1.

The samples collected did not have a result at a concentration at or above EPA's action level of 15 ppb.

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

During the initial sampling event on January 5, 2017, six source units (DF-005, DF-007, DF-011, DF-023, RS-002, and CS-001) were sampled and the analytical results indicated that the concentrations were above EPA's action level of 15 ppb. DCSD replaced the source units and AEM collected eight drinking water samples from DF-011, DF-023, RS-002, and CS-001 on October 3, 2017. An attempt was made to collect drinking water samples from source units DF-005 and DF-007; however, the units were inoperable. A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 1.

None of the samples collected from source units DF-023 and CS-001 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 samples collected from source units DF-011 and RS-002 contained lead at a concentration at or above EPA's action level of 15 ppb. DCSD replaced the source units with new fixtures and also repaired source units DF-005 and DF-007 and AEM collected eight drinking water samples on November 2, 2017.

None of the samples collected from source units DF-005, DF-007, and DF-011 had a drinking water sample result that contained lead at a concentration at or above EPA's action level of 15 ppb (see Table 1).

One or more of the samples collected from RS-002 contained lead at a concentration at or above EPA's action level of 15 ppb. DCSD made the decision to remove source unit RS-002 from service and then capped the lines (see Table 1). Thus, no further testing of RS-002 will be conducted.

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

During the initial sampling event on January 5, 2017, six source units (CS-002 through CS-007) were not initially identified as a drinking water source per the Sampling Protocol. The Sampling Protocol was revised, and out of an abundance of caution it was determined that these source units should be sampled. Thus, on October 3, 2017, AEM collected 12 drinking water samples. A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 1.

None of the samples collected from source units CS-003 and CS-006 had a result at a concentration at or above EPA's action level of 15 ppb. One or more of the samples collected from source units CS-002, CS-004, CS-005, and CS-007 contained lead at a concentration at or above EPA's action level of 15 ppb (see Table 1). These units remained out of service to evaluate remedial alternatives.

DCSD replaced the faucets on source units CS-002, CS-004, CS-005, and CS-007 and AEM collected eight drinking water samples on November 2, 2017. One or more of the samples collected from source units CS-002, CS-004, CS-005, and CS-007 contained lead at a concentration at or above EPA's action level of 15 ppb. DCSD made the decision to remove source units CS-002, CS-004, CS-005, and CS-007 from service and then capped the lines (see Table 1). Thus, no further testing of these source units will be conducted.



Mr. Joshua Williams—DeKalb County School District January 17, 2018
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We appreciate your selection of AEM for this project. If you have any questions, please do not hesitate to contact us.

Sincerely,

Atlanta Environmental Management, Inc.

Leona Miles, CHMM Senior Project Manager

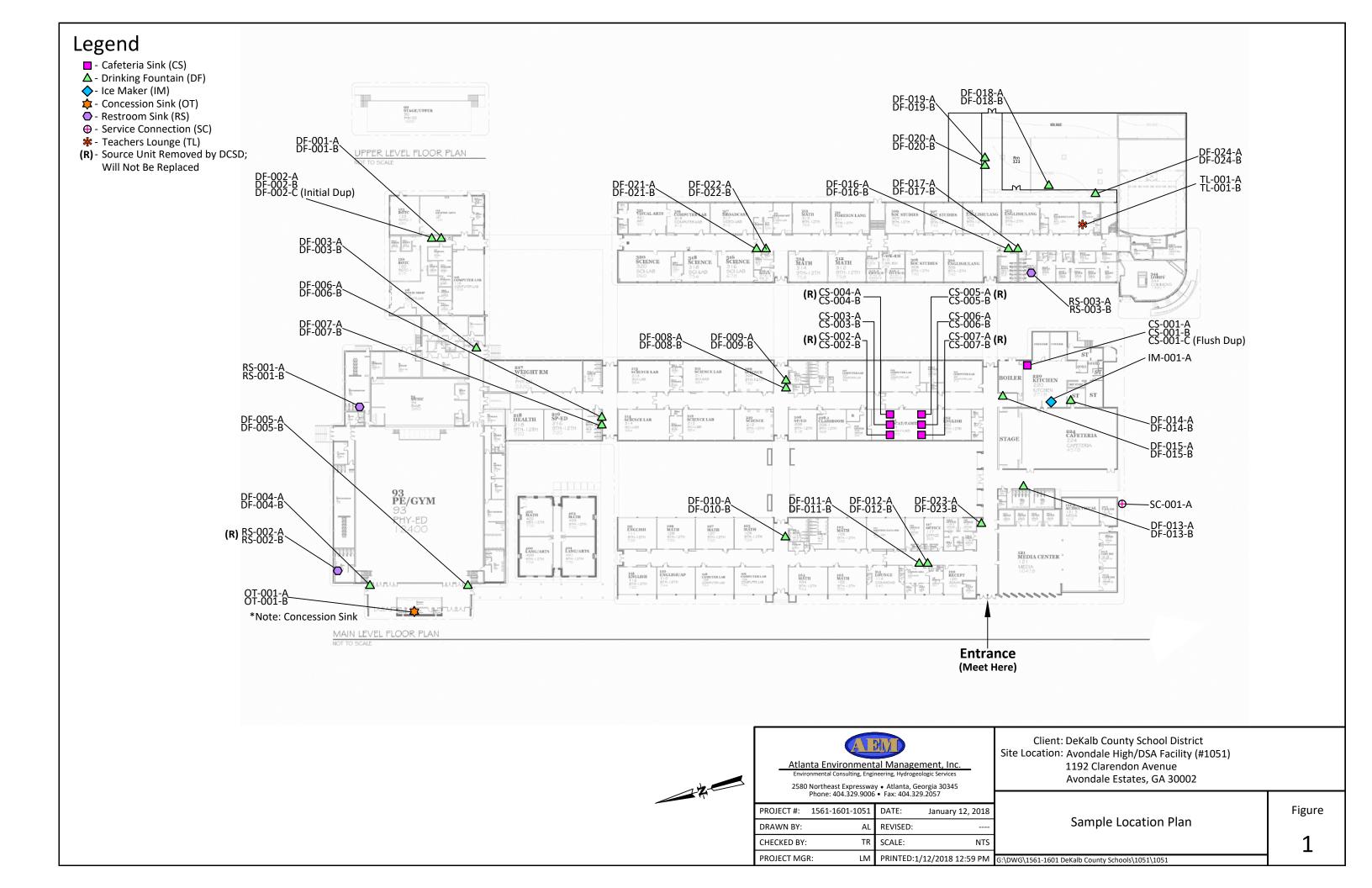
Janet T. Hart President

/krf

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

## **FIGURE**





## **TABLE**

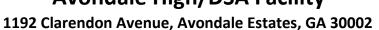


## **Avondale High/DSA Facility**



			Lead Test
c   15*		Campula Data & Time	Results
Sample ID*	Sample Location Description  Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain in hallway outside	Sample Date & Time	(ppb)
1051-010517-DF-001-A	graphics arts room; Rm 124	1/5/17 5:33 AM	None Detected
1021-010217-DL-001-A	<u> </u>	1/5/1/ 5.55 AIVI	None Detected
1051-010517-DF-001-B	Flush sample; Lower Right wall mounted Elkay Drinking Fountain in hallway outside	1/5/17 5.24 484	1.04
1021-010217-DL-001-R	graphics arts room; Rm 124	1/5/17 5:34 AM	1.04
4054 040547 DE 002 A	Initial Draw sample; Upper Left wall mounted Elkay Drinking Fountain in hallway outside	4/5/47 5 20 444	
1051-010517-DF-002-A	graphics arts room; Rm 124	1/5/17 5:30 AM	None Detected
	Flush sample; Upper Left wall mounted Elkay Drinking Fountain in hallway outside		
1051-010517-DF-002-B	graphics arts room; Rm 124	1/5/17 5:32 AM	1.06
	Initial Draw Duplicate sample; Upper Left wall mounted Elkay Drinking Fountain in		
1051-010517-DF-002-C	hallway outside graphics arts room; Rm 124	1/5/17 5:31 AM	None Detected
	Initial Draw sample; Single wall mounted Oasis Drinking Fountain in hallway down from		
1051-010517-DF-003-A	Music room (Rm 94)	1/5/17 5:21 AM	2.38
	Flush sample; Single wall mounted Oasis Drinking Fountain in hallway down from Music		
1051-010517-DF-003-B	room (Rm 94)	1/5/17 5:22 AM	2.61
	Initial Draw sample; Wall Mounted Drinking Fountain on left near Concessions/Rm 93;		
1051-010517-DF-004-A	Missing handle	1/5/17 5:07 AM	1.62
	Flush sample; Wall Mounted Drinking Fountain on left near Concessions/Rm 93; Missing		
1051-010517-DF-004-B	handle; Sample was fizzy and white	1/5/17 5:08 AM	13.4
	Initial Draw sample; Wall Mounted Elkay Drinking Fountain on right near Concessions/Rm		
1051-010517-DF-005-A	93; Missing Spout	1/5/17 5:17 AM	None Detected
	Flush sample; Wall Mounted Elkay Drinking Fountain on right near Concessions/Rm 93;		
1051-010517-DF-005-B	Missing Spout	1/5/17 5:18 AM	20.2
	Not Sampled; Wall Mounted Elkay Drinking Fountain on right near Concessions/Rm 93;		
1051-100317-DF-005-A	Not Plugged In	NS	NS
	Not Sampled; Wall Mounted Elkay Drinking Fountain on right near Concessions/Rm 93;		
1051-100317-DF-005-В	Not Plugged In	NS	NS
	Initial Draw sample; Wall Mounted Elkay Drinking Fountain on right near Gym and		
1051-110217-DF-005-A	Concessions/Rm 93	11/2/17 5:31 AM	1.12
	Flush sample; Wall Mounted Elkay Drinking Fountain on right near Gym and		
1051-110217-DF-005-B	Concessions/Rm 93	11/2/17 5:32 AM	1.18

## **Avondale High/DSA Facility**





Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
Sample ID*	Initial Draw sample; Right wall mounted Halsey Taylor Drinking Fountain in hallway	Jample Date & Time	(ррь)
1051-010517-DF-006-A	around corner from Rm 214; Sample slightly turbid	1/5/17 5:14 AM	4.08
1031-010317-DF-000-A	Flush sample; Right wall mounted Halsey Taylor Drinking Fountain in hallway around	1/3/17 3.14 AIVI	4.00
1051-010517-DF-006-В	corner from Rm 214; Sample slightly turbid	1/5/17 5:15 AM	3.97
1031-010317-DF-000-В	Initial Draw sample; Left spigot on left wall mounted Standard Drinking Fountain in	1/3/17 3.13 AIVI	3.97
1051-010517-DF-007-A	hallway around corner from Rm 214; Sample slightly turbid	1/5/17 5:16 AM	111
1051-010517-DF-007-A	Flush sample; Left spigot on left wall mounted Standard Drinking Fountain in hallway	1/3/17 3.10 AIVI	111
1051 010517 DF 007 B	around corner from Rm 214; Sample slightly turbid	1/5/17 5.17 ANA	20.4
1051-010517-DF-007-B 1051-100317-DF-007-A		1/5/17 5:17 AM NS	20.4 NS
	Not Sampled; Elkay Drinking Fountain near Rm 214; Not Plugged In		
1051-100317-DF-007-B	Not Sampled; Elkay Drinking Fountain near Rm 214; Not Plugged In	NS 11/2/17 5:23 AM	NS 2.64
1051-110217-DF-007-A	1 / / /		3.61
1051-110217-DF-007-B	Flush sample; Left Elkay Drinking Fountain near Rm 214	11/2/17 5:24 AM	4.58
	Initial Draw sample; Upper Right wall mounted Halsey Taylor Drinking Fountain in hallway		
1051-010517-DF-008-A	around corner from Rm 209	1/5/17 5:05 AM	1.41
	Flush sample; Upper Right wall mounted Halsey Taylor Drinking Fountain in hallway		
1051-010517-DF-008-B	around corner from Rm 209	1/5/17 5:06 AM	3.92
	Initial Draw sample; Lower Left wall mounted Elkay Drinking Fountain in hallway around		
1051-010517-DF-009-A	corner from Rm 209	1/5/17 5:07 AM	4.28
	Flush sample; Lower Left wall mounted Elkay Drinking Fountain in hallway around corner		
1051-010517-DF-009-B	from Rm 209	1/5/17 5:08 AM	4.98
1051-010517-DF-010-A	Not Sampled; Inoperable Drinking Fountain to right of Rm 105	NS	NS
1051-010517-DF-010-В	Not Sampled; Inoperable Drinking Fountain to right of Rm 105	NS	NS
1051-100317-DF-010-A	Initial Draw Sample; Single Elkay Drinking Fountain near Rm 104	10/3/17 5:28 AM	5.65
1051-100317-DF-010-B	Initial Draw Sample; Single Elkay Drinking Fountain near Rm 104	10/3/17 5:29 AM	7.53
	Initial Draw sample; Left spigot on left Halsey Taylor Drinking Fountain in hallway across		
1051-010517-DF-011-A	from Rm 117	1/5/17 4:55 AM	17.4
	Flush sample; Left spigot on left Halsey Taylor Drinking Fountain in hallway across from		
1051-010517-DF-011-B	Rm 117	1/5/17 4:56 AM	3.40
	Initial Draw sample; Retest Left spigot on left Halsey Taylor Drinking Fountain in hallway		
1051-100317-DF-011-A	across from Rm 117	10/3/17 5:24 AM	17.0

## **Avondale High/DSA Facility**



			Lead Test Results
Sample ID*	Sample Location Description	Sample Date & Time	(ppb)
	Flush sample; Retest Left spigot on left Halsey Taylor Drinking Fountain in hallway across		
1051-100317-DF-011-B	from Rm 117	10/3/17 5:25 AM	5.86
1051-110217-DF-011-A	Initial Draw sample; Left Elkay Drinking Fountain in hallway across from Rm 117	11/2/17 5:05 AM	4.28
1051-110217-DF-011-B	The state of the s		3.99
	Initial Draw sample; Right wall mounted Kelvinator Drinking Fountain in hallway across		
1051-010517-DF-012-A	1-010517-DF-012-A from 117		1.69
1051-010517-DF-012-В	Flush sample; Right wall mounted Kelvinator Drinking Fountain in hallway across from 117	1/5/17 4:58 AM	1.60
	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in hallway across from		
1051-010517-DF-013-A	Cafeteria	1/5/17 5:18 AM	7.76
	Flush sample; Single wall mounted Elkay Drinking Fountain in hallway across from		
1051-010517-DF-013-B	51-010517-DF-013-B Cafeteria		11.3
1051-010517-DF-014-A	Initial Draw sample; Food Prep sink in Kitchen; leaking upon arrival	1/5/17 5:12 AM	2.19
1051-010517-DF-014-B	Flush sample; Food Prep sink in Kitchen; leaking upon arrival	1/5/17 5:13 AM	None Detected
	Initial Draw sample; Single wall mounted Oasis Drinking Fountain in hallway across from		
1051-010517-DF-015-A	Rm 201	1/5/17 5:24 AM	7.58
1051-010517-DF-015-В	Flush sample; Single wall mounted Oasis Drinking Fountain in hallway across from Rm 201	1/5/17 5:25 AM	10.0
	Initial Draw sample; Upper Right wall mounted Oasis Drinking Fountain in hallway near		
1051-010517-DF-016-A	Rm 303 in the Art School	1/5/17 5:29 AM	None Detected
	Flush sample; Upper Right wall mounted Oasis Drinking Fountain in hallway near Rm 303		
1051-010517-DF-016-B	in the Art School	1/5/17 5:30 AM	None Detected
	Initial Draw sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near Rm		
1051-010517-DF-017-A	303 in the Art School	1/5/17 5:31 AM	None Detected
	Flush sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near Rm 303 in		
1051-010517-DF-017-B	the Art School	1/5/17 5:32 AM	None Detected
	Initial Draw sample; Single wall mounted Oasis Drinking Fountain in Dance Studio of Art		
1051-010517-DF-018-A	School	1/5/17 5:07 AM	None Detected
1051-010517-DF-018-B	Flush sample; Single wall mounted Oasis Drinking Fountain in Dance Studio of Art School	1/5/17 5:08 AM	1.00

## **Avondale High/DSA Facility**



Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
•	Initial Draw sample; Upper Right wall mounted Oasis Drinking Fountain in hallway across	-	
1051-010517-DF-019-A	from Rm 322 in the Art School	1/5/17 5:11 AM	1.12
	Flush sample; Upper Right wall mounted Oasis Drinking Fountain in hallway across from		
1051-010517-DF-019-B	Rm 322 in the Art School	1/5/17 5:12 AM	4.35
	Initial Draw sample; Lower Left wall mounted Oasis Drinking Fountain in hallway across		
1051-010517-DF-020-A	from Rm 322 in the Art School	1/5/17 5:13 AM	2.26
	Flush sample; Lower Left wall mounted Oasis Drinking Fountain in hallway across from Rm		
1051-010517-DF-020-B	322 in the Art School	1/5/17 5:14 AM	3.76
	Initial Draw sample; Upper Right wall mounted Oasis Drinking Fountain in hallway by Rm		
1051-010517-DF-021-A	316.1	1/5/17 5:42 AM	None Detected
1051-010517-DF-021-B	Flush sample; Upper Right wall mounted Oasis Drinking Fountain in hallway by Rm 316.1	1/5/17 5:43 AM	None Detected
	Initial Draw sample; Lower Left wall mounted Oasis Drinking Fountain in hallway by Rm		
1051-010517-DF-022-A	316.1	1/5/17 5:44 AM	None Detected
1051-010517-DF-022-B	Flush sample; Lower Left wall mounted Oasis Drinking Fountain in hallway by Rm 316.1	1/5/17 5:45 AM	None Detected
1031-010317-01-022-0	Initial Draw sample; Single wall mounted Oasis Drinking Fountain in hallway across from	1/3/17 3.43 AIVI	None Detected
1051-010517-DF-023-A	Library	1/5/17 5:36 AM	34.9
1031 010317 DI 023 A		1/3/17 3.30 AIVI	34.3
1051-010517-DF-023-B	Flush sample; Single wall mounted Oasis Drinking Fountain in hallway across from Library	1/5/17 5:37 AM	37.8
	Initial Draw sample; Single wall mounted Elkay Drinking Fountain in hallway across from		
1051-100317-DF-023-A	Library	10/3/17 5:20 AM	11.1
1051-100317-DF-023-B	Flush sample; Single wall mounted Elkay Drinking Fountain in hallway across from Library	10/3/17 5:21 AM	8.50
	Initial Draw sample; Single wall mounted Drinking Fountain in hallway lower level near Rm		
1051-010517-DF-024-A	323 and stairwell	1/5/17 5:39 AM	None Detected
	Flush sample; Single wall mounted Drinking Fountain in hallway lower level near Rm 323		
1051-010517-DF-024-B	and stairwell	1/5/17 5:40 AM	None Detected
4054 040547 BC 004 4	Initial Duran computer Lockey we are (Dur 03) at front wight of Come. Come Lockey	4/5/47.5.00.45.5	0.05
1051-010517-RS-001-A	Initial Draw sample; Locker room (Rm 93) at front right of Gym; Sampled left sink	1/5/17 5:00 AM	8.06

## **Avondale High/DSA Facility**



Comple ID*	Samula Lacation Description	Sample Date & Time	Lead Test Results (ppb)	
Sample ID*	Sample Location Description	•		
1051-010517-RS-001-B	Flush sample; Locker room (Rm 93) at front right of Gym; Sampled left sink Initial Draw sample; Sampled right most sink in Girls RR at back of Gym; Rm 93; Currently	1/5/17 5:01 AM	1.45	
1051-010517-RS-002-A	being used for storage	1/5/17 5:43 AM	211	
1051-010517-RS-002-В	Flush sample; Sampled right most sink in Girls RR at back of Gym; Rm 93; Currently being used for storage	1/5/17 5:44 AM	33.6	
1051-100317-RS-002-A	1-100317-RS-002-A Initial Draw sample; Retest Sampled right most sink in Girls RR at back of Gym; Rm 93		71.5	
1051-100317-RS-002-B	Flush sample; Retest Sampled right most sink in Girls RR at back of Gym; Rm 93	10/3/17 6:03 AM	4.59	
	Initial Draw sample; Retest Sampled right most sink in Girls RR at back of Gym; Rm 93;			
	DCSD Removed the right most sink and it is no longer in service. No further testing is to			
1051-110217-RS-002-A	be conducted.	11/2/17 5:36 AM	60.8	
	Flush sample; Retest Sampled right most sink in Girls RR at back of Gym; Rm 93; DCSD			
	Removed the right most sink and it is no longer in service. No further testing is to be			
1051-110217-RS-002-B	conducted.	11/2/17 5:37 AM	5.74	
1051-010517-RS-003-A	Initial Draw sample; Sampled Left sink in Girls RR near Rm 303	1/5/17 5:25 AM	3.03	
1051-010517-RS-003-B	Flush sample; Sampled Left sink in Girls RR near Rm 303	1/5/17 5:26 AM	None Detected	
1051-010517-TL-001-A	Initial Draw sample; Sampled sink in Teachers Lounge/Rm 300 in Art School	1/5/17 5:22 AM	None Detected	
1051-010517-TL-001-B	Flush sample; Sampled sink in Teachers Lounge/Rm 300 in Art School	1/5/17 5:23 AM	None Detected	
1051-010517-OT-001-A	Not Sampled; Concession stand not in service	NS	NS	
1051-010517-OT-001-B	Not Sampled; Concession stand not in service	NS	NS	
1051-100317-OT-001-A	Initial Draw Sample; Sink in Concession Stand in the Gym	10/3/17 6:07 AM	13.6	
1051-100317-OT-001-B	Flush Sample; Sink in Concession Stand in the Gym	10/3/17 6:08 AM	1.04	
1051-010517-CS-001-A	Initial Draw sample; Sampled sink labeled "Meat Sink Only" in back of Kitchen	1/5/17 4:57 AM	508	
1051-010517-CS-001-В	Flush sample; Sampled sink labeled "Meat Sink Only" in back of Kitchen	1/5/17 4:58 AM	10.1	
1051-010517-CS-001-C	Flush Duplicate sample; Sampled sink labled "Meat Sink Only" in back of Kitchen	1/5/17 4:59 AM	6.82	
1051-100317-CS-001-A	Initial Draw sample; Retest Sampled sink labeled "Meat Sink Only" in back of Kitchen	10/3/17 5:36 AM	1.18	
1051-100317-CS-001-B	Flush sample; Retest Sampled sink labeled "Meat Sink Only" in back of Kitchen	10/3/17 5:37 AM	None Detected	

## **Avondale High/DSA Facility**





Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
1051-100317-CS-002-A	Initial Draw Sample; Sink beneath the windows to the right of the entrance to Rm 204	10/3/17 5:41 AM	15.7
1051-100317-CS-002-B	Flush Sample; Sink beneath the windows to the right of the entrance to Rm 204	10/3/17 5:42 AM	5.74
	Initial Draw Sample;Retest Sink beneath the windows to the right of the entrance to Rm		
	204; DCSD Removed the sink and it is no longer in service. No further testing is to be		
1051-110217-CS-002-A	conducted.	11/2/17 5:12 AM	23.8
	Flush Sample; Retest Sink beneath the windows to the right of the entrance to Rm 204;		
	DCSD Removed the sink and it is no longer in service. No further testing is to be		
1051-110217-CS-002-B	conducted.	11/2/17 5:13 AM	7.75
1051-100317-CS-003-A	Initial Draw Sample; Center Sink to the right of entrance in Rm 204	10/3/17 5:44 AM	1.56
1051-100317-CS-003-B	10/3/17 5:45 AM	1.40	
1051-100317-CS-004-A	1-100317-CS-004-A Initial Draw Sample; Sink nearest the hallway and right of the entrance to Rm 204 10/3/17 5:4		28.9
1051-100317-CS-004-B	Flush Sample; Sink nearest the hallway and right of the entrance to Rm 204	10/3/17 5:48 AM	2.27
	Initial Draw Sample; Retest Sink nearest the hallway and right of the entrance to Rm 204;	, ,	
	DCSD Removed the sink and it is no longer in service. No further testing is to be		
1051-110217-CS-004-A	conducted.	11/2/17 5:14 AM	25.1
	Flush Sample; Retest Sink nearest the hallway and right of the entrance to Rm 204; <b>DCSD</b>		
1051-110217-СS-004-В	Removed the sink and it is no longer in service. No further testing is to be conducted.	11/2/17 5:15 AM	97.8
1051-100317-CS-005-A	Initial Draw Sample; Sink nearest the hallway and left of the entrance to Rm 204	10/3/17 5:50 AM	26.8
1051-100317-CS-005-B	Flush Sample; Sink nearest the hallway and left of the entrance to Rm 204	10/3/17 5:51 AM	1.48
	Initial Draw Sample; Retest Sink nearest the hallway and left of the entrance to Rm 204;	-,-,	
	DCSD Removed the sink and it is no longer in service. No further testing is to be		
1051-110217-CS-005-A	conducted.	11/2/17 5:16 AM	186
		,, _,	
	Flush Sample; Retest Sink nearest the hallway and left of the entrance to Rm 204; DCSD		
1051-110217-СS-005-В	Removed the sink and it is no longer in service. No further testing is to be conducted.	11/2/17 5:17 AM	1.78
1051-100317-CS-006-A	Initial Draw Sample; Center sink to the left of the entrance to Rm 204	10/3/17 5:53 AM	7.63

## **Avondale High/DSA Facility**



1192 Clarendon Avenue, Avondale Estates, GA 30002

Sample ID*	Sample Location Description	Sample Date & Time	Lead Test Results (ppb)
1051-100317-CS-006-B	Flush Sample; Center sink to the left of the entrance to Rm 204	10/3/17 5:54 AM	2.47
1051-100317-CS-007-A	Initial Draw Sample; Sink beneath windows and left of the entrance to Rm 204	10/3/17 5:56 AM	20.1
1051-100317-CS-007-B	Flush Sample; Sink beneath windows and left of the entrance to Rm 204	10/3/17 5:57 AM	7.60
	Initial Draw Sample; Retest Sink beneath windows and left of the entrance to Rm 204;		
	DCSD Removed the sink and it is no longer in service. No further testing is to be		
1051-100317-CS-007-A	conducted.	11/2/17 5:19 AM	17.8
	Flush Sample; Retest Sink beneath windows and left of the entrance to Rm 204; <b>DCSD</b>		
1051-100317-CS-007-B	Removed the sink and it is no longer in service. No further testing is to be conducted.	11/2/17 5:20 AM	1.10
1051-010517-IM-001-A	Scotsman Ice Machine in Kitchen	1/5/17 5:05 AM	None Detected
1051-010517-SC-001-A	Service Connection Entry into Building	1/5/17 4:51 AM	None Detected

#### Notes:

ppb-parts per billion

Bold-Exceeds 15 ppb--EPA's

Action Level for Lead

NS-Not Sampled; Source unit was either inoperable or inaccessible

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

# ATTACHMENT A AEM Field Sampling Forms



**FACILITY NAME:** 

Avondale High/DSA Facility

FACILITY ID:

1051

ADDRESS: 1192 Clarendon Avenue Avondale Estates, GA, 30002

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
1/5/17		1051 - 010517 - 6T-001-A	Concession	In room Hallway	not in use	M
1/5/17		1051 - 010517 - 05-001-15	16	In room Hallway		OX
1/5/17	0533	1051 - 010517 - DF-001-A	graphics arts room	In room Hallway	Lower right Elkay  Right most sink  Room used for storage	07
1/5/17	0534	1051 - 010517 - OF -001 - B	124	In room Hallway	Right most sink Room used for storage	cA
1/5/17	6543	1051 - 010517 - RS-007-A	RR RR back	In room Hallway		CK
1/5/17	0544	1051 - 010517 - RS-067-B	of grym	In room Hallway		CA
1/5/17		1051 - 010517 -		In room Hallway		
1/5/17		1051 - 010517 -		In room Hallway		
1/5/17		1051 - 010517 -		In room Hallway		
1/5/17		1051 - 010517 -		In room Hallway		

FACILITY NAME:

Avondale High/DSA Facility

FACILITY ID:

1051

ADDRESS: 1192 Clarendon Avenue Avondale Estates, GA, 30002

DATE	TIME	SAMPLE ID  (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
1/5/17	0524	1051 - 010517 - DF-015-A	across flow 201	In room Hallway	Single oasis wm	An
1/5/17	0525	1051 - 010517 - DF-015.B	ι (	In room Hallway	11	Ag
1/5/17		1051 - 010517 - DF - D10-A+B		In room Hallway	inoperable	A9
1/5/17	0536	1051 - 010517 - DF-023-A	across from	In room Hallway	Single Gasis wm DF	AA
1/5/17	0537	1051 - 010517 - DF-023-B	7.1	In room Hallway	l ,	AT
1/5/17		1051 - 010517 -		In room Hallway		
1/5/17		1051 - 010517 -		In room Hallway		
1/5/17		1051 - 010517 -		In room Hallway		
1/5/17		1051 - 010517 -		In room Hallway		
1/5/17		1051 - 010517 -		In room Hallway		

FACILITY NAME: Avondale High/DSA Facility FACILITY ID: 1051

ADDRESS: 1192 Clarendon Avenue Avondale Estates, GA, 30002

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
1/5/17	1529	1051 - 010517 - DF-016-A	1000 303	In room Hallway	upper Right Dasis	W
1/5/17	0530	1051 - 010517 - OF - O10 - B	and school	In room Hallway	N 1)	H
1/5/17	0531	1051 - 010517 - DF-017-A	VC 71	In room Hallway	lower left casis	UL
1/5/17	0532	1051 - 010517 - OF - O 17-B	v //	In room Hallway	IV //	H
1/5/17	539	1051 - 010517 - OF - OZY - A	Near Level Near Rm 323	In room Hallway	single fountain in Hallway loss stalvwell	Ut
1/5/17	540	1051 - 010517 - OF- O24-B	n O	In room Hallway	0 0	UH
1/5/17	0542	1051 - 010517 - OF - OZI - A	316.1	In room Hallway	upper Right basis	H
1/5/17	0543	1051 - 010517 - 0f-021-B	1/	In room Hallway	()	H
1/5/17	0544	1051 - 010517 - DF-D22-A	N II	In room Hallway	wer left casis	H
1/5/17	0545	1051 - 010517 - DF - 022 - B	V 6	In room Hallway	\(\sigma\)	UH

**FACILITY NAME:** 

Avondale High/DSA Facility

FACILITY ID:

1051

ADDRESS: 1192 Clarendon Avenue Avondale Estates, GA, 30002

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
1/5/17	0451	1051 - 010517		In room Hallway	Outs de Cafeterias Breeze way	All
1/5/17	0457	1051 - 010517 - CS-001-A	Kitchen	In room Hallway	inback of Kitchen	M
1/5/17	0458	1051 - 010517 - (5-601-13	( )	In room Hallway	Į V	A
1/5/17	0459	1051 - 010517 - (S - OG)-C	11	In room Hallway	Flushdup	AI
1/5/17	0505	1051 - 010517 - IM - CO   - A	Ritchen	In room Hallway	Scatsman I im : 11 Kitchen	A1
1/5/17	0512	1051 - 010517 - CS - 007-A	(1	la room Hallway	Food Pref sink in Kitchen Baleaking en griva	PJ
1/5/17	0513	1051 - 010517 - S-002-B	10	In room Hallway	11	AI
1/5/17	0518	1051 - 010517 - DF-013-A	cafeters	In room Hallway	Sinsiz Ellicay wm	3/
1/5/17	0519	1051 - 010517 - DF - 013 -B	/ t	In room Hallway	\ 1	AN
1/5/17		1051 - 010517 -		In room Hallway		

FACILITY NAME: Avondale High/DSA Facility FACILITY ID: 1051

ADDRESS: 1192 Clarendon Avenue Avondale Estates, GA, 30002

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
1/5/17	0522	1051 - 010517 -TL - 001 - A	RM3D	In room Hallway	SIMK in lounge	U
1/5/17	0523	1051 - 010517 -TL - WI -B	ant school	Ip-room Hallway	i\ U	H
1/5/17	0507	1051 - 010517 - OF - 018 - A	in pance studio	In room Hallway	single Dasis in dance studio of ant school	U
1/5/17	0208	1051 - 010517 - OF-018-B	ić rj	In room Hallway	(/	W
1/5/17	0211	1051 - 010517 - 0F-0 19-A	across from RIM 322	In room Hallway	upper Right Dasis	H
1/5/17	0512	1051 - 010517 - OF -019-B	school	In room Hallway	<i>(V</i>	<del>M</del>
1/5/17	0513	1051 - 010517 - Of- 020-A		In room Hallway	lower left Oasis	Ut
1/5/17	0514	1051 - 010517 - DE-0 20 -B	W	In room Hallway	V U	LH
1/5/17	0525	1051 - 010517 - 25-003-A	Girls RK Nour 303	In room Hallway	loft sink	UH
1/5/17	1526	1051 - 010517 - RS-003-B	11 /	In room Hallway	(¹ /	H

FACILITY NAME:

Avondale High/DSA Facility

FACILITY ID:

1051

ADDRESS: 1192 Clarendon Avenue Avondale Estates, GA, 30002

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
1/5/17	0500	1051 - 010517 - RS - 001 - A	Locker Room at Front Right	In room Hallway	Lest sink sampled	07
1/5/17	0501	1051 - 010517 - RS-001-13	93 of spur	In room Hallway		OF.
1/5/17	0507	1051 - 010517 - OF-004-A	water fountain on Left near concessi	In room Hallway	but missing hardle	CA
1/5/17	0508	1051 - 010517 - DF - 004-B	93	In room Hallway	Flush sample was fizzy and white	OX
1/5/17	0517	1051 - 010517 - DF - 065 - Δ	DF on Right near incression	In room Hallway	Elkay wall mornted missing sport	0
1/5/17	0518	1051 - 010517 - DF - 065 - B	<b>9</b> 3	In room Hallway		0)
1/5/17	0530	1051 - 010517 - DF-002-A	6 va side Graphics Aras Roim	In room Hallway	Elkay upper le ft	0)
1/5/17	0537	1051 - 010517 - DF - 002 - B	124	In room Hallway	ıţ	. 31
1/5/17	0531	1051 - 010517 - DF - 002· C		In room Hallway	in:tial duplicate	\$1
1/5/17		1051 - 010517 -		In room Hallway		

FACILITY NAME: Avondale High/DSA Facility FACILITY ID: 1051

ADDRESS: 1192 Clarendon Avenue Avondale Estates, GA, 30002

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
1/5/17	0455	1051 - 010517 - DF - OII - A	across hall	In room Hallway	test spigot on lest drinking fountain - Halsey Taylor	Ktw
1/5/17	0456	1051 - 010517 - DF - OII - B		In room Hallway	SAA	KTW
1/5/17	0457	1051 - 010517 - DF-012-A		In room Hallway	Kelvinator DF - WM on right	KTW
1/5/17	0458	1051 - 010517 - DF - 012 - B		In room Hallway	SAA	KtW
1/5/17	0505	1051 - 010517 - DF - 008 - A	around corner from Em 209	In room Hallway	Upper R Halsey Taylor DF - MM	Ktw
1/5/17	0506	1051 - 010517 - DF - 008 - B		In room Hallway	SAA	KtW
1/5/17	0507	1051 - 010517 - DF - 009 - A		In room Hallway	LOWER LEIKAY DF-	KHW
1/5/17	0508	1051 - 010517 - DF - 009 - B	<b>₩</b>	In room Hallway	SAA	EW
1/5/17		1051 - 010517 -		In room Hallway		
1/5/17		1051 - 010517 -		In room Hallway		

FACILITY NAME:	Avondale High/DSA Facility	FACILITY ID:	1051

ADDRESS: 1192 Clarendon Avenue Avondale Estates, GA, 30002

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
1/5/17	0514	1051 - 010517 - DF - 006 - A	around corner from 214	In room (Hallway	R Halsey Taylor DF- NM - Slightly turbid	KtW
1/5/17	0515	1051 - 010517 - DF - 006 - 6		In room Hallway	SπA	KW
1/5/17	0516	1051 - 010517 - DF - 007 - A		In room Hallway	L"Standard" Uft spigot on left DF _ MM-Slightly	KTW
1/5/17	0517	1051 - 010517 - DF - 007 - B		In room Hallway	SAA turbid	FW
1/5/17	0521	1051 - 010517 - DF - 003 - A	down hall from music Pm/ 94	In room Hallway	Single Oasis DF - NM	Ktw
1/5/17	0522	1051 - 010517 - DF - 003 - B	11 (1	In room Hallway	SAA	KNW
1/5/17		1051 - 010517 -		In room Hallway		
1/5/17		1051 - 010517 -		In room Hallway		
1/5/17		1051 - 010517 -		In room Hallway		
1/5/17		1051 - 010517 -		In room Hallway		

FACILITY NAME:

AVONDALE HIGH/DSA FACILITY

FACILITY ID:

1051

DATE	TIME	SAMPLE ID  (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/3/17	0520	1051 - 100317 - DF023 - A	Library	In room Hallway	Single Elkay	TR
10/3/17	0521	1051 - 100317 - DF-023-B	Library	In room Hallway	r.	TR
10/3/17	0524	1051 - 100317 - DF-011- A	Recorde Main DECE	In room	left spigot of Halsey Taylor	TR
10/3/17	0525	1051 - 100317 - DF-011-B	(117)	In room Hallway		TR
10/3/17	0528	1051 - 100317 - DF-010 -A	104	In room Hallway	single Elkay	TR
10/3/17	0529	1051 - 100317 - DF-010-D	104	In room Halfway	Į (	TR
10/3/17	0536	1051 - 100317 - CS-001-A	Kitchen	In room Hallway	'meat sink only"	TR
10/3/17	0537	1051 - 100317 - CS-00 F- B	( ·	In room Hallway	il .	TR
10/3/17	0541	1051 - 100317 - CS-002-A	204	In room Hallway	sink beneath windows;	TR
10/3/17	0542	1051 - 100317 - CS- 002-B	204	In room Hallway	u	TR

FACILITY NAME: AVONDALE HIGH/DSA FACILITY FACILITY ID: 1051

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/3/17	0544	1051 - 100317 - CS-003- A	204	In room Hallway	center sink;	TR
10/3/17	0545	1051 - 100317 - CS-003- B	204	n room Hallway	t o	TR
10/3/17	0547	1051 - 100317 - CS-804-A	204	th room Hallway	sink nearest hallway and right of entrance	TR
10/3/17	0548	1051 - 100317 - CS-004-B	204	In room Hallway	VI O	TR
10/3/17	0550	1051 - 100317 - CS-005-A	204	In room Hallway	sink nearest hallway &	TR
10/3/17	055(	1051 - 100317 - CS-005-b	204	ln room Hallway	£(	TR
10/3/17	0553	1051 - 100317 - CS - 00 6 - A	204	In room Hallway	center sink; left at entrance	TR
10/3/17	0554	1051 - 100317 - (5-006-6	204	In room Hallway	C C	TR
10/3/17	0556	1051 - 100317 - CS -007-A	204	In room Hallway	Sink beneath windows; left of entrance	TR
10/3/17	0557	1051 - 100317 - CS-007-B	204	In room Hallway	CC	TH

FACILITY NAME:

AVONDALE HIGH/DSA FACILITY

FACILITY ID:

1051

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
10/3/17	0602	1051 - 100317 - RS-002-A	Girls' RR	n room Hallway	right sink in RR	TR
10/3/17	0603	1051 - 100317 - RS-002 - B	<b>1</b> •	(n room) Hallway	right sink in RP	TR
10/3/17	0607	1051 - 100317 - OT - OO (- A	Gym	in room Hallway	Sink in concession	TR
10/3/17	060)	1051 - 100317 - DT-001-B	Gym	in room Hallway	CC	TR
10/3/17	0610	1051 - 100317 - TM - 002 - A	Gym	In room Hallway	ice maker in concession stand	TR
10/3/17	NS	1051 - 100317 - DF-007	214	In room Hallway	unit replaced w/ Elkay wallmount not plugged in	
10/3/17	NS	1051 - 100317 - DF - 005	Gym	In room Hallway	unit (Elkay wallmount)	
10/3/17		1051 - 100317 -		In room Hallway	unplusged	
10/3/17		1051 - 100317 -		In room Hallway		
10/3/17		1051 - 100317 -		in room Hallway		

FACILITY NAME: AVONDALE HIGH/DSA FACILITY

FACILITY ID:

1051

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/2/17	0505	1051 - 110217 - DF-011-A	120	In room Hallway	Wall mount Elkay	TR
11/2/17	0506	1051 - 110217 - DF - 0/1-B	120	In room Hallway	11	TR
11/2/17	0512	1051 - 110217 - CS - 002 - A	204	In room Hallway	sink beneath windows to	TR
11/2/17	0513	1051 - 110217 - CS-002-B		la room Hallway	il	7/2
11/2/17	0514	1051 - 110217 - CS-004-A		n room Hallway	sink rearest hallway to	TR
11/2/17	0515	1051 - 110217 - CS-004-B		In room Hallway	ι.	TR
11/2/17	0516	1051 - 110217 - CS-005-A		in room Hallway	sink nearest hallway & left of entrance	TR
11/2/17	0517	1051 - 110217 - CS-005-B		in room Hallway	(C	TR
11/2/17	0519	1051 - 110217 - CS-007-A		In room Hallway	sink beneath windows toft of entrance	T
11/2/17	0520	1051 - 110217 - CS-007-B	V	In room Hallway	į (	TR

FACILITY NAME:

AVONDALE HIGH/DSA FACILITY

FACILITY ID:

1051

DATE	TIME	SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type)	NEAREST ROOM	LOCATION (circle)	DESCRIPTION	SAMPLER INIT.
11/2/17	0523	1051 - 110217 - DF-007-A	25214	In room Hallway	left wall mount Elkay (upperleft)	TR
11/2/17	0524	1051 - 110217 - DF -007-B	214	In room Hallway		TR
11/2/17	0531	1051 - 110217 - DF -005- A	Gym	In room Hallway	single wall mount Elkay	TR
11/2/17	0532	1051 - 110217 - DF -005-B	Gym	In room Hallway	11	TR
11/2/17	0536	1051 - 110217 - RS-00Z-A	Women's RR	In room Hallway	left sink	TR
11/2/17	0537	1051 - 110217 - 25-002 - 3	off of Gym	ln room Hallway	((	TR
11/2/17		1051 - 110217 -		In room Hallway		
11/2/17		1051 - 110217 -		In room Hallway		
11/2/17		1051 - 110217 -		in room Hallway		
11/2/17		1051 - 110217 -		In room Hallway		

# ATTACHMENT B AES Laboratory Analytical Report



#### **Leona Miles**

From: NoReply@aesatlanta.net

Sent: Thursday, January 19, 2017 4:25 PM

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

Subject: DCSD - 1051

Attachments: 1701260\_REPORT.pdf; 1701260Invoice.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.



January 19, 2017

Leona Miles Atlanta Environmental Mgmt 2580 NE Expresswav Atlanta GA 30345

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

RE: DCSD - 1051

Dear Leona Miles: Order No: 1701260

Analytical Environmental Services, Inc. received 60 samples on 1/5/2017 8:39:00 AM for the analyses presented in following report.

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

AES's accreditations are as follows:

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

Ioana Pacurar

**Project Manager** 

IDana) Pacurar

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

COMPANY:	Atlanta Environmental Management, Inc	ADDRESS:	2580 North	east Exp	resswa	ıy, NE				A	NALY	SIS RE	QUES	ED		Visit our website		
			Atlanta, G	A 30345			8.0									www.aesatlanta.co	<u>m</u> [	
PHONE:	(404) 329-9006	FAX:	(404) 32	9-2057			Method 200.8									to check on the status your results, place bot		ners
AMPLED BY:	And Jensen	SIGNATURE	SIGNATURE: ALSN						1							orders, etc.		No # of Container
		SAI	MPLED				Total Pb		l									0#0
#	SAMPLE ID			Grab	ix.			PRESERVATION (See codes)							REMARDF		Z	
		DATE	TIME	Grab	Сош	Matrix (See codes)	I									REMARDE		
1	1051-010517-DF-001-A	2017 1/5/2 <del>01/6</del>	05>3	X		DW	X											•
2	1051-010517-DF-001-B	1/5/ <del>2016</del>	0534	X		DW	X											(
3	1051-010517-DF-002-A	1/5/ <del>2016</del>	0530	X		DW	X											(
4	1051-010517-DF-002-B	2011 1/5/ <del>2016</del>	0532	X		DW	Χ									·		(
5	1051-010517-DF-002-C	20 ii 1/5/ <b>20</b> 16	0531	X		DW	X											(
6	1051-010517-DF-003-A	2017 1/5/ <del>2</del> 0 <del>1</del> 6	0521	X		DW	X											·
7	1051-010517-DF-003-B	2017 1/5/2016	0522	X		DW	X											(
8	1051-010517-DF-004-A	b201 5				DW	X											<u> </u>
9	1051-010517-DF-004-B	2017 1/5/2016	0508	X		DW	X					1					T	1
10	1051-010517-DF-005-A	2017 1/5/ <del>201</del> 6	0517	X		DW	X										$\top$	(
11	1051-010517-DF-005-B	フタロ 1/5 <del>/2016</del>	0518	X		DW	X											1
12	1051-010517-DF-006-A	2017 1/5/2016	0514	X		DW	X											1
13	1051-010517-DF-006-B	しいり 1/5 <del>/2016</del>	0515	X		DW	X											-
14	1051-010517-DF-007-A	2011 1/5/ <del>2016</del>	0516	X		DW	V			$\top$								1
15	1051-010517-DF-007-В	1/5/2016	0517	X		DW	X											1
ELINQUISHED	BY DATE/TIME			<u> </u>		DATE/TIME				PI	OJEC	T INFO	RMAT	ON		RECEIPT		
Pasi	1/5/17 0839	Han	wasd	रिष्ठ ।	stla	2 <i>831</i>	PROJ	ECT N	AME:	D	CSD					Total # of Containers		
: /		2:		,	(		PROJ	ECT#:			156	1-160				Turnaround Time Requ	est	
		2.					SITE A	ADDRI	ESS:			1051	l			Standard 5 Business Da	ıys	
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reserve at the La	b per protocol	IN CLIEN	FedEx U	VIA: PS MAII	COUI	RIER		Ieona-i	niles@	aem-ne	t.com; t	im-roye	r@aem-ı	et.com		STATE PROGRAM (if any): E-mail? Y/N; Fax? Y/	N	
		GRI	EYHOUND (	OTHER			QUOT	E#:_					PO#:_			DATA PACKAGE: I II III IV		
	EIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS I DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT						1ARK	ED ON	COC	AES V	VILL P	ROCEI	ED AS S	TANDAR	D TAT.			

GW = Groundwater SE = Sediment SO = Soil SW = Surface Water DW=Drinking Water W = Water (BlanDF) 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 2 of 71

# ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

Work Order: 1701360

AES	TEL.: (770) 457-8177 / TOLL-FREE (800) 972-488	9 / FAX: (770)	) 457-8188														Date:	1/5/1	<u> </u>	Page 2	of _	5
COMPANY:	Atlanta Environmental Management, Inc	ADDRESS:	2580 Northe Atlanta, GA		)resswa	y, NE	8.00.			F	ANAL	YSIS.	REQ	JEST.	ED			1 —	ww.ac	our websitesatlanta.	com	
PHONE:	(404) 329-9006	FAX:	(404) 329	-2057	7		Method 200.8												ır resı	ılts, place		ainers
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		SAN	MPLED		<u>a</u>	es)	Tota			Щ.	DEGL	777747	TON (									* %
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)	I				RESE	ERVAT	ION (:	See coo	ies)	T			I	REMARDF		
1	1051-010517-DF-008-A	ሚልነገ 1/5/ <b>2016</b>	0505	X		DW	X															1
2	1051-010517-DF-008-B	でい 1/5/ <del>201</del> 6	0506	X		DW	X															
3	1051-010517-DF-009-A	ない。 1/5/ <del>201</del> 6	0507	X		DW	X							_		ļ	$\perp$					1
4	1051-010517-DF-009-B	セクリ 1/5/ <del>201</del> 6	0508	X		DW	4						-	_		_	1					1
5	1051-010517-DF-010-A	1/5/2016		-X		DW											Sampled	١				
6	1051-010517-DF-010-B	1/5/2016		X		DW									1	10+	Saupla	)	<u> </u>			
7	1051-010517-DF-011-A	1/5/ <del>201</del> 6	0 455	X		DW									1					$\vdash$		
8	1051-010517-DF-011-B	१८४२ 1/5/ <del>2016</del>	0456	X	X DW X														1			
9	1051-010517-DF-012-A	てのいつ 1/5/ <del>201</del> 6	0457	X		DW	X									_	1 1					
10	1051-010517-DF-012-B	てのいつ 1/5 <del>/2016</del>	<del>C 450</del> 0458	X		DW	X	<u> </u>									4-4					1
11	1051-010517-DF-013-A	2017 1/5/ <del>2016</del>	0518	X		DW	X															$\vdash$
12	1051-010517-DF-013-B	7617 1/5/ <del>20</del> 16	0519	X	<u> </u>	DW	X															1
13	1051-010517-DF-014-A	てのロ 1/5 <del>/201</del> 6	0512	X		DW	X															
14	1051-010517-DF-014-B	2の门 1/5/ <del>2016</del>	0513	X		DW	X										_					1
15	1051-010517-DF-015-A	1/5/2016	0524	X		DW	X															
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1: M. 94.	15/17 0839	Tank	Eddae 1	12/17	830	7	i ko.	JLC1 1	· ·		DCS	SD							Tota	l # of Container	S	
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3:		3:					SEN	D REP	ORT T	O:	Leo	na M	iles	and	Tim	Roye	r		=	Business Day R ext Business Da		
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ŧI.	EIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS						MAR	KED (	ON CO	C AES	S WIL	L PRO	OCEE	D AS S	STANI	OARD '	TAT.					

GW = Groundwater SE = Sediment SO = Soil SW = Surface Water DW=Drinking Water W = Water (BlanDF) 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 3 of 71

## 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

COMPANY:	Atlanta Environmental Management, Inc	ADDRESS:  2580 Northeast Expressway, NE						AN	ALY	SIS RE	EQUE:	STED				Visit our website			
	<u> </u>		Atlanta, GA	30345			Method 200.8											www.aesatlanta.com to check on the status o	
PHONE:	(404) 329-9006	FAX:	(404) 329	-2057			ethod											your results, place bottl	uiners
SAMPLED BY:	And Jeusen	SIGNATURE:	4/102S	~			Total Pb M											orders, etc.	No # of Containers
#	SAMPLE ID	SAN	PLED		Composite	Matrix (See codes)	Tot			PR	ESERV	/ATIO	V (See	codes)				REMARKS	# %
		DATE	TIME	Grab	Con	Mati (See	I				┷		ļ				$\downarrow \downarrow \downarrow$		ļ
1	1051-010517-DF-015-B	1/5/ <del>20</del> 16	0525	X		DW	X			_	<u> </u>		ļ						1
2	1051-010517-DF-016-A	1/5/20 <del>16</del>	0529	X		DW	X						<u> </u>						(
3	1051-010517-DF-016-B	2017 1/5/2 <del>01</del> 6	0530	X		DW										1			
4	1051-010517-DF-017-A	70い 1/5/ <del>201</del> 6	0531	X		DW	Х												1
5	1051-010517-DF-017-B	7017 1/5/ <del>2016</del>	0532																(
6	1051-010517-DF-018-A	7017 1/5/ <del>201</del> 6	05G)	X		DW	X												1
7	1051-010517-DF-018-B	2017 1/5/2016	0508	X		DW	X												(
8	1051-010517-DF-019-A	1/5/2016 CSII X DW X																	
9	1051-010517-DF-019-B	2017 1/5/ <del>2016</del>	DW	X															
10	1051-010517-DF-020-A	767 1/5/2046	0513	X		DW	X												
11	1051-010517-DF-020-B	たい 1/5/ <del>2016</del>	0514	Х		DW	X												
12	1051-010517-DF-021-A	1/5/2016	0542	X		DW	X												
13	1051-010517-DF-021-B	2017 1/5/2016	0543	X		DW	X												(
14	1051-010517-DF-022-A	1/5/2016	0544	X		DW	X												(
15	1051-010517-DF-022-B	1/5/2016	0545	X		DW	7												Ì
RELINQUISHED I		RECEIVED B		L	]	DATE/TIME			<b>-</b>	PR	OJEC	TINE	ORMA	TION				RECEIPT	
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2		12.					SITE A	ADDRE	ESS:			105	1					Standard 5 Business Days	
3;		3:					SEND REPORT TO: Leona Miles and Tim Royer								2 Business Day Rush Next Business Day Rush				
SPECIAL INSTRU	CTIONS/COMMENTS:	OUT /	SHIPMENT /	SHIPMENT METHOD IN / VIA: (IF						ОМ АВ	OVE)							Same Day Rush (auth re Other: 10 business Days	<b>l</b> ·)
Preserve at the La	b per protocol	IN / VIA:  CLIENT Fedex UPS MAIL COURIER				RIER		leona-r	niles@	aem-net	.com;	tim-roy	er@aeı	n-net.co	om			STATE PROGRAM (if any):  E-mail? Y/N; Fax? Y/N	_
		GRI	EYHOUND O	THER			QUOT	E#:					PO#					DATA PACKAGE: I II II	IV
	PLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT. PLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.																		

GW = Groundwater SE = Sediment SO = Soil SW = Surface Water DW=Drinking Water W = Water (Blanks) O = Other (specify) 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

## 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: 1701260

Date: 1/5/17 Page 4 of 5

COMPANY:	Atlanta Environmental Management, Inc	ADDRESS: 2580 I	Northeast	Expr	resswa	y, NE				A۱	IALYS	SIS RE	QUES	TED			Visit our website	
			ta, GA 30	345			200.8									ı —	vw.aesatlanta.com	
PHONE:	(404) 329-9006		329-2	057			ethod									- 1	r results, place bottle	ainers
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#	SAMPLE ID	DATE TI	ме	Grab	Composite	Matrix (See codes)	I				LSERV	T	(366.0)	Juesy			REMARKS	
1	1051-010517-RS-001-A	1/5/2016- 050		X		DW	X											į
2	1051-010517-RS-001-В	1/5/2016 050	1	X		DW	χ											1
3	1051-010517-RS-002-A	1/5/ <del>2016</del> 054	13	X		DW	X											. \
-1	1051-010517-RS-002-В	1/5/ <del>2016</del> 054	14	X		DW	X											١
5	1051-010517-RS-003-A	1/5/2016 057	5	X		DW	X											1
6	1051-010517-RS-003-В	1/5/2016 057	-6	X		DW	X											1
7	1051-010517-TL-001-A	1/5/2016 052	2	X		DW	8										ţ	
8	1051-010517-TL-001-B	1/5/ <del>2016</del> 05	23	x		DW	У								1	(		
9	1051-010517-OT-001-A	1/5/2016	*	X		DW								N	ot sampled of sampled			
10	1051-010517-OT-001-B	1/5/2016		X		DW										10	ot sampled	
11	1051-010517-CS-001-A	1/5/2016 045	7	X		DW	X											(
12	1051-010517-CS-001-В	1/5/2016 045	8	X		DW	χ											ĺ
13	1051-010517-CS-001-C	1/5/2016 045	9	X		DW	ÍΧ											١
14	1051-010517-IM-001-A	1/5/2016	ر کز	X		DW	Х											(
15	1051-010517-SC-001-A	1/5/2016 045	1	X		DW	X											
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J.		3.					SEND REPORT TO: Leona Miles and Tim Royer O Next Business Day Ru											
SPECIAL INSTRU	JCTIONS/COMMENTS:	OUT / /	IPMENT MI	ETHOL /IA:				ICE TO		ОМ АВ	OVE)					C	Same Day Rush (auth req.) Other: 10 business Days	
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		GREYHOU	ND OTHE	ER			QUO	ΓE #:					PO#:_			DATA	A PACKAGE: I II III	IV
	IVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS F DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT						MARK	ED ON	COC	AES W	TLL P	ROCEI	ED AS	STANDA	RD TAT,			

MATRIX CODES: A = Air  $GW = Groundwater \qquad SE = Sediment \qquad SO = Soil \qquad SW = Surface\ Water \qquad DW = Drinking\ Water \quad W = Water\ (Blanks) \qquad O = Other\ (specify)$  Page 5 of 71

## 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** 

COMPANY:	Atlanta Environmental Management, Inc	ADDRESS:	2580 North	east Exp	presswa	ıy, NE	ANALYSIS REQUESTED							UEST			Visit our website			
			Atlanta, GA	30345			200.8												www.aesatlanta.com check on the status of	
PHONE:	(404) 329-9006	FAX:	(404) 329	-2057	7		ethod												ur results, place bottle	iners
SAMPLED BY:	Andy Jewson	SIGNATURE:	Affers 1		·		Total Pb Method 200.8												orders, etc.	No # of Containers
	'		1PLED		et e	(Se	Tota													No # o
#	SAMPLE ID			Grab	Composite	Matrix (See codes)	ľ		1	I	PRESE	ERVA'	TION (	See co	des)		ТТ		REMARKS	
1	1051-016517-DF-023-A	DATE \1512017	0536	√ ∀	ŭ	DW	X.			$\dashv$	$\dashv$	_	_	$\dashv$	+	+	+ +	+		1
2	1051 -010517 - DF-023-B	1/5/2017		X		DW	X							_		_				1
3	\$1051-010517-DF-024-A	1/5/2017	0539	X		DW	X							$\dashv$			11			(
4	1051-010517-DF-024-B	115/2017	0340	X		DW	X													(
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3:		3:					SITE ADDRESS: 1051								Standard 5 Business Days 2 Business Day Rush					
							SEND REPORT TO: Leona Miles and Tim Royer					•		Next Business Day Rush						
SPECIAL INSTR	UCTIONS/COMMENTS:	OUT /	SHIPMEN'	T METHO	DD		INVOICE TO: (IF DIFFERENT FROM ABOVE)						Same Day Rush (auth req.) Other: 10 business Days							
Preserve at the I	ab per protocol	IN _/-	FedEx U	VIA:	L COU	RIER	leona-miles@aem-net.com; tim-royer@aem-net.com				ATE PROGRAM (if any):  nail? Y/N; Fax? Y/N									
		GRI	EYHOUND O	THER			QUO	TE #:					P	PO#:					TA PACKAGE: I II III	IV
SAMPLES REC	EIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS F	ECEIVED ON	THE NEXT BU	SINESS I	OAY; IF	NO TAT IS N	MARK	ED O	N COO	CAES	WIL	L PRO	CEEL	AS S	TAND	ARD T	AT.			

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

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

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 6 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-001-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:33:00 AM

 Lab ID:
 1701260-001
 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	236548	3 1	01/18/2017 14:10	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 7 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-001-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:34:00 AM

 Lab ID:
 1701260-002
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				<b>(E</b> 2	200.2)			
Lead		1.04	1.00		ug/L	236548	1	01/18/2017 14:27	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-002-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:30:00 AM

 Lab ID:
 1701260-003
 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	236548	1	01/18/2017 14:30	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 9 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-002-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:32:00 AM

 Lab ID:
 1701260-004
 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	1.06	1.00		ug/L	236548	1	01/18/2017 14:34	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 10 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-002-C

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:31:00 AM

 Lab ID:
 1701260-005
 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	236548	1	01/18/2017 14:44	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 11 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-003-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:21:00 AM

 Lab ID:
 1701260-006
 Matrix:
 Drinking Water

Reporting Dilution Qual Units BatchID Analyses Result Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)2.38 1.00 ug/L 236548 01/18/2017 14:48 JR Lead

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 12 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-003-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:22:00 AM

 Lab ID:
 1701260-007
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E2	00.8			(E2	200.2)			
Lead	2.61	1.00		ug/L	236548	1	01/18/2017 14:51	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 13 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-004-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:07:00 AM

 Lab ID:
 1701260-008
 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	1.62	1.00		ug/L	236548	1	01/18/2017 14:55	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 14 of 71

Client:Atlanta Environmental MgmtClient Sample ID:1051-010517-DF-004-BProject Name:DCSD - 1051Collection Date:1/5/2017 5:08:00 AMLab ID:1701260-009Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	13.4	1.00		ug/L	236548	1	01/18/2017 14:58	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 15 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-005-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:17:00 AM

 Lab ID:
 1701260-010
 Matrix:
 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	236548	1	01/18/2017 15:02	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 16 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-005-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:18:00 AM

 Lab ID:
 1701260-011
 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	20.2	1.00		ug/L	236548	1	01/18/2017 14:20	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 17 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-006-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:14:00 AM

 Lab ID:
 1701260-012
 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	4.08	1.00		ug/L	236548	1	01/18/2017 15:05	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 18 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-006-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:15:00 AM

 Lab ID:
 1701260-013
 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	3.97	1.00		ug/L	236548	1	01/18/2017 15:09	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 19 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-007-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:16:00 AM

 Lab ID:
 1701260-014
 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	111	1.00		ug/L	236184	1	01/11/2017 17:09	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 20 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-007-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:17:00 AM

 Lab ID:
 1701260-015
 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	20.4	1.00		ug/L	236548	1	01/18/2017 15:12	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 21 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-008-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:05:00 AM

 Lab ID:
 1701260-016
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E2	00.8			(E2	200.2)			
Lead	1.41	1.00		ug/L	236548	1	01/18/2017 15:16	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 22 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-008-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:06:00 AM

 Lab ID:
 1701260-017
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)3.92 1.00 ug/L 236548 01/18/2017 15:26 JR Lead

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 23 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-009-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:07:00 AM

 Lab ID:
 1701260-018
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E200	8			(E2	200.2)			
Lead	4.28	1.00		ug/L	236548	1	01/18/2017 15:30	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 24 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-009-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:08:00 AM

 Lab ID:
 1701260-019
 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	4.98	1.00		ug/L	236548	1	01/18/2017 15:33	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 25 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-011-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 4:55:00 AM

 Lab ID:
 1701260-020
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E20	0.8			(E2	200.2)			
Lead	17.4	1.00		ug/L	236548	1	01/18/2017 15:36	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 26 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-011-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 4:56:00 AM

 Lab ID:
 1701260-021
 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	3.40	1.00		ug/L	236549	1	01/18/2017 15:47	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 27 of 71

Client:Atlanta Environmental MgmtClient Sample ID:1051-010517-DF-012-AProject Name:DCSD - 1051Collection Date:1/5/2017 4:57:00 AMLab ID:1701260-022Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E20	0.8			(E2	200.2)			
Lead	1.69	1.00		ug/L	236549	1	01/18/2017 16:11	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 28 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-012-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 4:58:00 AM

 Lab ID:
 1701260-023
 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	1.60	1.00		ug/L	236549	1	01/18/2017 16:14	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 29 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-013-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:18:00 AM

 Lab ID:
 1701260-024
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E200	.8			(E2	200.2)			
Lead	7.76	1.00		ug/L	236549	1	01/18/2017 16:18	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 30 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-013-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:19:00 AM

 Lab ID:
 1701260-025
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	11.3	1.00		ug/L	236549	1	01/18/2017 16:21	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 31 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-014-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:12:00 AM

 Lab ID:
 1701260-026
 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	2.19	1.00		ug/L	236549	1	01/18/2017 16:25	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 32 of 71

Client:Atlanta Environmental MgmtClient Sample ID:1051-010517-DF-014-BProject Name:DCSD - 1051Collection Date:1/5/2017 5:13:00 AMLab ID:1701260-027Matrix:Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		BRL	1.00		ug/L	236549	1	01/18/2017 16:28	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 33 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-015-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:24:00 AM

 Lab ID:
 1701260-028
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E200.	8			(E2	200.2)			
Lead	7.58	1.00		ug/L	236549	1	01/18/2017 16:32	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 34 of 71

Client:Atlanta Environmental MgmtClient Sample ID:1051-010517-DF-015-BProject Name:DCSD - 1051Collection Date:1/5/2017 5:25:00 AMLab ID:1701260-029Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E200	8			(E2	200.2)			
Lead	10.0	1.00		ug/L	236549	1	01/18/2017 16:35	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 35 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-016-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:29:00 AM

 Lab ID:
 1701260-030
 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	236549	1	01/18/2017 16:39	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-016-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:30:00 AM

 Lab ID:
 1701260-031
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E	200.8			(E2	200.2)			
Lead	BRL	1.00		ug/L	236549	1	01/18/2017 15:57	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 37 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-017-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:31:00 AM

 Lab ID:
 1701260-032
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2) $\operatorname{BRL}$ 1.00 ug/L 236549 01/18/2017 16:49 JR Lead

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 38 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-017-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:32:00 AM

 Lab ID:
 1701260-033
 Matrix:
 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	236549	1	01/18/2017 16:53	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 39 of 71

Client:Atlanta Environmental MgmtClient Sample ID:1051-010517-DF-018-AProject Name:DCSD - 1051Collection Date:1/5/2017 5:07:00 AMLab ID:1701260-034Matrix: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	236549	1	01/18/2017 16:56	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 40 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-018-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:08:00 AM

 Lab ID:
 1701260-035
 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	1.00	1.00		ug/L	236549	1	01/18/2017 17:00	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 41 of 71

Client:Atlanta Environmental MgmtClient Sample ID:1051-010517-DF-019-AProject Name:DCSD - 1051Collection Date:1/5/2017 5:11:00 AMLab ID:1701260-036Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E200.	8			(E2	200.2)			
Lead	1.12	1.00		ug/L	236549	1	01/18/2017 17:03	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-019-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:12:00 AM

 Lab ID:
 1701260-037
 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	4.35	1.00		ug/L	236549	1	01/18/2017 17:07	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-020-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:13:00 AM

 Lab ID:
 1701260-038
 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	2.26	1.00		ug/L	236549	1	01/18/2017 17:10	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

Less than Result value

NC Not confirmed

J Estimated value detected below Reporting Limit

Page 44 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-020-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:14:00 AM

 Lab ID:
 1701260-039
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E20	0.8			(E2	200.2)			
Lead	3.76	1.00		ug/L	236549	1	01/18/2017 17:14	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-021-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:42:00 AM

 Lab ID:
 1701260-040
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2) $\operatorname{BRL}$ 1.00 ug/L 236549 01/18/2017 17:17 JR Lead

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-021-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:43:00 AM

 Lab ID:
 1701260-041
 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	236550	1	01/18/2017 17:34	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

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Client:Atlanta Environmental MgmtClient Sample ID:1051-010517-DF-022-AProject Name:DCSD - 1051Collection Date:1/5/2017 5:44:00 AMLab ID:1701260-042Matrix:Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		BRL	1.00		ug/L	236550	1	01/18/2017 17:52	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 48 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-022-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:45:00 AM

 Lab ID:
 1701260-043
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2) $\operatorname{BRL}$ 1.00 ug/L 236550 01/18/2017 17:55 JR Lead

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-RS-001-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:00:00 AM

 Lab ID:
 1701260-044
 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	8.06	1.00		ug/L	236550	) 1	01/18/2017 17:59	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 50 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-RS-001-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:01:00 AM

 Lab ID:
 1701260-045
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.	8			<b>(E</b> 2	200.2)			
Lead	1.45	1.00		ug/L	236550	1	01/18/2017 18:02	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 51 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-RS-002-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:43:00 AM

 Lab ID:
 1701260-046
 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	211	1.00		ug/L	236550	) 1	01/18/2017 18:13	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 52 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-RS-002-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:44:00 AM

 Lab ID:
 1701260-047
 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	33.6	1.00		ug/L	236550	1	01/18/2017 18:16	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 53 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-RS-003-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:25:00 AM

 Lab ID:
 1701260-048
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E20	).8			(E2	200.2)			
Lead	3.03	1.00		ug/L	236550	1	01/18/2017 18:20	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-RS-003-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:26:00 AM

 Lab ID:
 1701260-049
 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	236550	1	01/18/2017 18:23	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 55 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-TL-001-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:22:00 AM

 Lab ID:
 1701260-050
 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	236550	1	01/18/2017 18:26	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 56 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-TL-001-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:23:00 AM

 Lab ID:
 1701260-051
 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	236550	1	01/18/2017 17:45	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 57 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-CS-001-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 4:57:00 AM

 Lab ID:
 1701260-052
 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	508	1.00		ug/L	236550	1	01/18/2017 18:30	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 58 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-CS-001-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 4:58:00 AM

 Lab ID:
 1701260-053
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				<b>(E</b> 2	200.2)			
Lead	10.1	1.00		ug/L	236550	1	01/18/2017 18:33	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 59 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-CS-001-C

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 4:59:00 AM

 Lab ID:
 1701260-054
 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		6.82	1.00		ug/L	236550	1	01/18/2017 18:37	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 60 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-IM-001-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:05:00 AM

 Lab ID:
 1701260-055
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200	.8			<b>(E</b> 2	200.2)			
Lead	BRL	1.00		ug/L	236550	1	01/18/2017 18:40	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 61 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-SC-001-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 4:51:00 AM

 Lab ID:
 1701260-056
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.3	8			(E2	200.2)			
Lead	BRL	1.00		ug/L	236550	1	01/18/2017 18:44	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 62 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-023-A

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:36:00 AM

 Lab ID:
 1701260-057
 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	34.9	1.00		ug/L	236550	1	01/18/2017 18:54	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 63 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-023-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:37:00 AM

 Lab ID:
 1701260-058
 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	37.8	1.00		ug/L	236550	1	01/18/2017 18:58	JR

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 64 of 71

Client:Atlanta Environmental MgmtClient Sample ID:1051-010517-DF-024-AProject Name:DCSD - 1051Collection Date:1/5/2017 5:39:00 AMLab ID:1701260-059Matrix: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	236550	1	01/18/2017 19:01	JR	

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 65 of 71

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-010517-DF-024-B

 Project Name:
 DCSD - 1051
 Collection Date:
 1/5/2017 5:40:00 AM

 Lab ID:
 1701260-060
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	Units BatchID		Date Analyzed	Analyst	
Trace Elements by ICP/MS E2	00.8			(E2	200.2)				
Lead	BRL	1.00		ug/L	236550	1	01/18/2017 19:05	JR	

Date:

19-Jan-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

Less than Result value

NC Not confirmed

J Estimated value detected below Reporting Limit

Page 66 of 71

# Sample/Cooler Receipt Checklist

Client Allaww ENV. Management		Work Order Number	1701260
Checklist completed by Signature Date	10017		
Carrier name: FedEx UPS Courier Client US	Mail Other	· ·	
Shipping container/cooler in good condition?	Yes _	No Not Present	
Custody seals intact on shipping container/cooler?	Yes _	No Not Present	
Custody seals intact on sample bottles?	Yes	No Not Present	_
Container/Temp Blank temperature in compliance? (0°≤6°C)*	*Yes	No	
Cooler #1 / 0°C Cooler #2 Cooler #3	Cooler #4 _	Cooler#5	Cooler #6
Chain of custody present?	Yes	No	
Chain of custody signed when relinquished and received?	Yes	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 Applie	cable
Water - VOA vials have zero headspace? No VOA vials su	ıbmitted	Yes No	_
Water - pH acceptable upon receipt?	Yes	No Not Applie	cable
Adjusted?		, ,	
Sample Condition: Good Other(Explain)		• /	
(For diffusive samples or AIHA lead) Is a known blank include	ded? Yes	No	

#### See Case Narrative for resolution of the Non-Conformance.

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

Client: Atlanta Environmental Mgmt

Project Name: DCSD - 1051 Workorder: 1701260

# ANALYTICAL QC SUMMARY REPORT

Date:

19-Jan-17

BatchID: 236184

Sample ID: MB-236184	Client ID:				Uni	ts: ug/L	Prep Date: 01/11/2017 Run No: 334036
SampleType: MBLK	TestCode:	Trace Elements by ICP/M	IS E200.8		Bat	chID: 236184	Analysis Date: 01/11/2017 Seq No: 7283090
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-236184 SampleType: LCS	Client ID: TestCode:	Trace Elements by ICP/M	IS E200.8		Uni Bat	ts: <b>ug/L</b> chID: <b>236184</b>	Prep Date: 01/11/2017 Run No: 334036 Analysis Date: 01/11/2017 Seq No: 7283091
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref Val %RPD RPD Limit Qual
Lead	108.4	1.00	100.0		108	85	115
Sample ID: 1701646-003AMS Sample Type: MS	Client ID: TestCode:	Trace Elements by ICP/M	1S E200.8		Uni Bat	ts: <b>ug/L</b> chID: <b>236184</b>	Prep Date: 01/11/2017 Run No: 334036 Analysis Date: 01/11/2017 Seq No: 7283096
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref Val %RPD RPD Limit Qual
Lead	175.6	1.00	100.0	67.23	108	70	130
Sample ID: 1701646-005AMS SampleType: MS	Client ID: TestCode:	Trace Elements by ICP/M	IS E200.8		Uni Bat	ts: <b>ug/L</b> chID: <b>236184</b>	Prep Date: 01/11/2017 Run No: 334036 Analysis Date: 01/11/2017 Seq No: 7283093
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref Val %RPD RPD Limit Qual
Lead	109.5	1.00	100.0	3.872	106	70	130
Sample ID: 1701646-005AMSD SampleType: MSD	Client ID: TestCode:	Trace Elements by ICP/M	IS E200.8		Uni Bat	ts: <b>ug/L</b> chID: <b>236184</b>	Prep Date: 01/11/2017 Run No: 334036 Analysis Date: 01/11/2017 Seq No: 7283094
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref Val %RPD RPD Limit Qual
Lead	111.0	1.00	100.0	3.872	107	70	130 109.5 1.38 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 68 of 71

**Client:** Atlanta Environmental Mgmt

**Project Name:** DCSD - 1051 Workorder: 1701260

# ANALYTICAL QC SUMMARY REPORT

Date:

19-Jan-17

BatchID: 236548

Sample ID: MB-236548	Client ID:	Trace Elements by ICP/M	AS E200.8		Uni		Prep Date:	01/18/2017	Run No: 334557
SampleType: MBLK	TestCode:	Trace Elements by ICF/N	15 E200.6		Bate	chID: 236548	Analysis Date:	01/18/2017	Seq No: <b>7296204</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref	Val %RPD	RPD Limit Qual
Lead	BRL	1.00							
Sample ID: LCS-236548	Client ID:				Uni	ts: ug/L	Prep Date:	01/18/2017	Run No: <b>334557</b>
SampleType: LCS	TestCode:	Trace Elements by ICP/M	4S E200.8		Bate	chID: 236548	Analysis Date:	01/18/2017	Seq No: <b>7296205</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref	Val %RPD	RPD Limit Qual
Lead	93.84	1.00	100.0		93.8	85	115		
Sample ID: 1701260-001AMS		1051-010517-DF-001			Uni	ts: ug/L	Prep Date:	01/18/2017	Run No: <b>334557</b>
SampleType: MS	TestCode:	Trace Elements by ICP/M	4S E200.8		Bate	chID: 236548	Analysis Date:	01/18/2017	Seq No: <b>7296207</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref	Val %RPE	RPD Limit Qual
Lead	94.13	1.00	100.0	0.9015	93.2	70	130		
Sample ID: 1701260-011AMS	Client ID:	1051-010517-DF-005	5-B		Uni	ts: ug/L	Prep Date:	01/18/2017	Run No: <b>334557</b>
SampleType: MS	TestCode:	Trace Elements by ICP/N	AS E200.8		Bate	chID: 236548	Analysis Date:	01/18/2017	Seq No: <b>7296210</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref	`Val %RPD	RPD Limit Qual
Lead	110.7	1.00	100.0	20.16	90.5	70	130		
Sample ID: 1701260-001AMSD	Client ID:	1051-010517-DF-001	I-A		Uni	ts: ug/L	Prep Date:	01/18/2017	Run No: <b>334557</b>
SampleType: MSD	TestCode:	Trace Elements by ICP/N	AS E200.8		Bate	chID: 236548	Analysis Date:	01/18/2017	Seq No: <b>7296208</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Ref	Val %RPD	RPD Limit Qual
Lead	93.13	1.00	100.0	0.9015	92.2	70	130 94.13	1.07	20

Qualifiers: Greater than Result value

> BRL Below reporting limit

Rpt Lim Reporting Limit

Estimated value detected below Reporting Limit

Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Page 69 of 71

**Client:** Atlanta Environmental Mgmt

**Project Name:** DCSD - 1051 Workorder: 1701260

# ANALYTICAL QC SUMMARY REPORT

Date:

19-Jan-17

BatchID: 236549

Sample ID: MB-236549 SampleType: MBLK	Client ID:	Trace Elements by ICP/M	1S E200.8		Uni Bate	ts: <b>ug/L</b>	Prep Date: Analysis Date:	01/18/2017	Run No: <b>334558</b> Seq No: <b>7296110</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC		High Limit RPD Re		•
Lead	BRL	1.00					8	.,,,,	
Sample ID: LCS-236549 SampleType: LCS	Client ID: TestCode:	Trace Elements by ICP/N	1S E200.8		Uni Bate	ts: <b>ug/L</b> chID: <b>236549</b>	Prep Date: Analysis Date:	01/18/2017 01/18/2017	Run No: <b>334558</b> Seq No: <b>7296111</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPD	RPD Limit Qual
Lead	93.09	1.00	100.0		93.1	85	115		
Sample ID: 1701260-021AMS SampleType: MS		1051-010517-DF-011 Trace Elements by ICP/M			Uni Bate	ts: <b>ug/L</b> chID: <b>236549</b>	Prep Date: Analysis Date:	01/18/2017 01/18/2017	Run No: <b>334558</b> Seq No: <b>7296113</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPD	RPD Limit Qual
Lead	98.85	1.00	100.0	3.398	95.5	70	130		
Sample ID: 1701260-031AMS SampleType: MS		1051-010517-DF-016 Trace Elements by ICP/M			Uni Bate	ts: <b>ug/L</b> chID: <b>236549</b>	Prep Date: Analysis Date:	01/18/2017 01/18/2017	Run No: <b>334558</b> Seq No: <b>7296118</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPE	RPD Limit Qual
Lead	93.32	1.00	100.0	0.4167	92.9	70	130		
Sample ID: 1701260-021AMSD SampleType: MSD		1051-010517-DF-011 Trace Elements by ICP/M			Uni Bate	ts: <b>ug/L</b> chID: <b>236549</b>	Prep Date: Analysis Date:	01/18/2017 01/18/2017	Run No: <b>334558</b> Seq No: <b>7296114</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPE	RPD Limit Qual
Lead	98.95	1.00	100.0	3.398	95.6	70	130 98.83	5 0.106	5 20

Qualifiers: Greater than Result value

> BRL Below reporting limit

Rpt Lim Reporting Limit

Estimated value detected below Reporting Limit

Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Page 70 of 71

Client: Atlanta Environmental Mgmt

Project Name: DCSD - 1051 Workorder: 1701260

# ANALYTICAL QC SUMMARY REPORT

Date:

19-Jan-17

BatchID: 236550

Sample ID: MB-236550	Client ID:				Uni	ts: ug/L	Prep	Date: 01/18	3/2017	Run No: 3	34559
SampleType: MBLK	TestCode:	Trace Elements by ICP/N	IS E200.8		Bat	chID: 236550	Analy	sis Date: 01/18	3/2017	Seq No: 7	296161
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD L	imit Qual
Lead	BRL	1.00									
Sample ID: LCS-236550 SampleType: LCS	Client ID: TestCode:	Trace Elements by ICP/M	IS E200.8		Uni Bat	ts: <b>ug/L</b> chID: <b>236550</b>	Prep Analy	Date: 01/18 ysis Date: 01/18	3/2017 3/2017	Run No: 33 Seq No: 72	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD L	imit Qual
Lead	93.08	1.00	100.0		93.1	85	115				
Sample ID: 1701260-041AMS SampleType: MS		1051-010517-DF-021 Trace Elements by ICP/M			Uni Bat	ts: <b>ug/L</b> chID: <b>236550</b>	Prep Analy	Date: 01/18 ysis Date: 01/18	3/2017 3/2017	Run No: 33 Seq No: 72	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD L	imit Qual
Lead	97.19	1.00	100.0	0.7778	96.4	70	130				
Sample ID: 1701260-051AMS SampleType: MS		1051-010517-TL-001 Trace Elements by ICP/M	_		Uni Bat	ts: <b>ug/L</b> chID: <b>236550</b>	Prep Anal	Date: 01/18 ysis Date: 01/18	3/2017 3/2017	Run No: 3: Seq No: 7:	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD L	imit Qual
Lead	92.11	1.00	100.0		92.1	70	130				
Sample ID: 1701260-041AMSD SampleType: MSD		1051-010517-DF-021 Trace Elements by ICP/M			Uni Bat	ts: <b>ug/L</b> chID: <b>236550</b>	Prep Anal	Date: 01/18 ysis Date: 01/18	3/2017 3/2017	Run No: 3. Seq No: 7.	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD L	imit Qual
Lead	95.22	1.00	100.0	0.7778	94.4	70	130	97.19	2.06	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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#### **Leona Miles**

From: NoReply@aesatlanta.net

Sent: Friday, October 13, 2017 5:05 PM

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

**Subject:** DCSD - 1051

**Attachments:** 1710206\_REPORT.pdf; 1710206Invoice.pdf

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

**AES Reporting System** 

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

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# ANALYTICAL ENVIRONMENTAL SERVICES, INC.



October 13, 2017

Leona Miles Atlanta Environmental Mgmt

2580 NE Expressway

Atlanta

GA

30345

RE:

DCSD - 1051

Leona Miles: Dear

Order No:

1710206

Analytical Environmental Services, Inc. received

24

samples on

10/3/2017 10:27:00 AM

for the analyses presented in following report.

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

AES's accreditations are as follows:

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

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

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

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

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

Sincerely,

Ioana Pacurar

Project Manager

Ivana Pacurar

## ANALYTICAL ENVIRONMENTAL SERVICES, INC

CHAIN OF CUSTODY

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:												1010	) POLY	compr						
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			Atlanta, GA	30345					- 1									www.ae	satlanta.com	
PHONE:		FAX:					ને ≊ં		- 1									to check	on the status of	
	404-329-9006		404-329-	2057			200.8)											-	lts, place bottle	iners
SAMPLED BY:	Tim Royer	SIGNATURE					Lead (						į					ore	lers, etc.	No # of Containers
#	SAMPLE ID	SA	MPLED		ite	les)	7					IVA TI	TION (See codes)						No # o	
<b>"</b>	SAMIFLE ID			-g	Composite	Matrix (See codes)	- American			$\frac{1}{1}$	RESER	T	ON (36	e codes	<u>,                                     </u>		1	R	EMARKS	
		DATE	TIME	Grab	Ů							_						The second se		
1	1051-100317-DF-023-A	16/3/17	0520	X		DW	X													
2	1051-100317-DF-023-B		052	X		I. John	X													Tower.
3	1051-100317-DF-011-A		0524	X			~													(
4	1051-100317-DF-011-B		0525	X			X													(
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6	1051-100317-DF-010-R		0529	Х		ONTH-MINE OF	<							<u> </u>						
7	1051-100317-CS-001-A	and the same of th	n536	X			X													50
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9	1051-100317-CS-002-A		0541	X			×		T			$\top$								
10	1051-100317-CS-002-B		0542	X			K					$\top$					<u> </u>			į
11	1051-100317-CS-003-A		0544	X	1		X		T	$\top$										í
12	1051-100317-CS-003-B		0545	×		- I	X	T	寸	$\dashv$			_							
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15	1051-100317-CS-005-A	٧,	0550	X		7	X		$\neg$			$\top$								
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3:		3:									10	in the same	! !!.			-1		. =	isiness Day Rush	
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Pre	serve @ lab	IN /		VIA:													STATE PROGR	AM (if any):	-	
Ì	CLENT FedEx UPS MAIL COURIER  GREYHOUND OTHER						QUOTE #: PO#:								E-mail? Y/1	•				
CAMPI DO DEC	ENVED A FEED THE OR CATHED AV ARE CONSTRUCTED AS	1					<u> </u>											DATA PACK	AGE: I II III	IV
11	EIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS I DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT						MAKK	KED ON	N COC	AES	WILL	PROC	EED A	AS STA	NDAR	D TAT.				

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

Page 2 of 31



# ANALYTICAL ENVIRONMENTAL SERVICES, INC

**CHAIN OF CUSTODY** 

1710206
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3080 Presidential Drive, Atlanta GA 30340-3704

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

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e.	10	2	1.7	Page	2	of	2

COMPANY:	Atlanta Environmental Management Inc	ADDRESS:  2580 Northeast Expressway NE				ay NE				A	ANAI	LYSIS	REQ	UEST	ED			Visit our website			
				Atlanta, GA	30345												İ			w.aesatlanta.com	
PHONE:	404-329-9006	FAX:		404-329-2	2057			200.8)												heck on the status of results, place bottle	ıers
SAMPLED BY:	Tim Royer	SIGNA	TURE		E. C.	2		-							İ				ľ	orders, etc.	No#ofContainers
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		DA	TE	TIME	Grab	Com	Matı (See	1												Idamico	
1	1051-100317-CS-005-B	103	17	0551	X		DW	X													-
2	1051-100317-CS-006-A	1 1		0553	X		1	X													(
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5	1051-100317-05-007-B			0557	X			X													(
6	1051-100317-RS-002-A	) de la constante de la consta		0602	X		and the state of t	×													* COLUMN TO THE PERSON TO THE
7	1051-100317-RS-002-B	н памерична		0603	X			×							Т						Named
8	1051-106317-0T-001-A	and the second		0607	X			X							T						(
9	1051-100317-0T-001-B			0608	X			X													1
10	1051-100317-IM-001-A		1	0610	X		4	X													t
11																					
12																					
13																					
14																					
15																					
RELINQUISHED	BY DATE/TIME	RECEI	VED E	Υ			DATE/TIME				Ī	PROJ	ECT I	NFOR	MAT	ON				RECEIPT	
	(0/3/17 1027	1	AL	14 PARI	RAK	2 10/	3/17 102	PROJ _	ECT N	AME:		DCS								Total # of Containers	
2:	0 11	2:				′	, .	PROJ	ECT#:			<u> 156</u>	1-10	501					1_	Turnaround Time Request	
3.		3:						SITE	ADDR	ESS:		10	<						18	Standard 5 Business Days	
,		3:				SENT	) REPC	RT TO	٦٠		Carried	a-mi	les@	aem	-net.c	om	18	2 Business Day Rush Next Business Day Rush			
SPECIAL INSTRUCTIONS/COMMENTS: SHIPMENT METHOD					OICE TO				0011	<u>u 1111</u>	000	,aciii	1101.0	<u> </u>	ďδ	Same Day Rush (auth req.	1				
, b				/ /	VIA:	•			IFFERE				'E)						Ŏ	Other: 10 business Days	•
Pie	serve @ lab	IN		-	VIA:								STATE	PROGRAM (if any):							
,				FERNING OF		L COU	RIER	OVICE	TD 2						20.0				E-mail	? Y/N; Fax? Y/N	
					THER			QUO							PO#:				DATA	PACKAGE: I II III	IV
1	EIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS F							MARK	ŒD O	N COC	CAES	WIL	L PRO	CEEI	) AS S	TAND	ARD TA	Т.			

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

Page 3 of 31

Client: Atlanta Environmental Mgmt

Project: DCSD - 1051
Lab ID: 1710206

Case Narrative

Date:

13-Oct-17

Sample Receiving Non-conformance:

Sample information on the Chain of Custody did not match that on the sample bottle labels for sample 1051-100317-IM-001-A. The sample was listed as 1051-100317-IM-002-A on the container labels, while on the Chain of Custody it was listed as 1051-100317-IM-001-A. The collection date and time matched between the two ID's. The laboratory proceeded with sample ID 1051-100317-IM-002-A as listed on the container label at the request of Tim Royer with Atlanta Environmental Management via e-mail on 10/5/17 at 9:10AM; however at the request of Leona Miles with Atlanta Environmental Management via e-mail on 10/5/17 at 12:55PM, the sample was placed on hold and no further analysis was executed.

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-DF-023-A

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:20:00 AM

 Lab ID:
 1710206-001
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				<b>(E</b> 2	200.2)			
Lead	11.1	1.00		ug/L	249490	1	10/09/2017 21:37	JR

Date:

13-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 5 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-DF-023-B

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:21:00 AM

 Lab ID:
 1710206-002
 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	8.50	1.00		ug/L	249490	1	10/09/2017 22:21	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-DF-011-A

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:24:00 AM

 Lab ID:
 1710206-003
 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	17.0	1.00		ug/L	249490	1	10/09/2017 22:27	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-DF-011-B

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:25:00 AM

 Lab ID:
 1710206-004
 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	5.86	1.00		ug/L	249490	) 1	10/09/2017 22:34	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-DF-010-A

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:28:00 AM

 Lab ID:
 1710206-005
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)5.65 1.00 ug/L 249490 10/09/2017 22:40 JR Lead

Date:

13-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 9 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-DF-010-B

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:29:00 AM

 Lab ID:
 1710206-006
 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	7.53	1.00		ug/L	249490	) 1	10/09/2017 22:46	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 10 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-CS-001-A

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:36:00 AM

 Lab ID:
 1710206-007
 Matrix:
 Drinking Water

Reporting Dilution Qual Units BatchID Analyses Result Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)1.18 1.00 ug/L 249490 10/09/2017 22:53 JR Lead

Date:

13-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 11 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-CS-001-B

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:37:00 AM

 Lab ID:
 1710206-008
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		BRL	1.00		ug/L	249490	1	10/09/2017 22:59	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 12 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-CS-002-A

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:41:00 AM

 Lab ID:
 1710206-009
 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	15.7	1.00		ug/L	249490	1	10/09/2017 23:18	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 13 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-CS-002-B

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:42:00 AM

 Lab ID:
 1710206-010
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E2	200.8			(E2	200.2)			
Lead	5.74	1.00		ug/L	249490	1	10/09/2017 23:25	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 14 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-CS-003-A

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:44:00 AM

 Lab ID:
 1710206-011
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E200	.8			(E2	200.2)			
Lead	1.56	1.00		ug/L	249490	1	10/09/2017 22:09	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 15 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-CS-003-B

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:45:00 AM

 Lab ID:
 1710206-012
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				<b>(E</b> 2	200.2)			
Lead		1.40	1.00		ug/L	249490	1	10/09/2017 23:31	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 16 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-CS-004-A

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:47:00 AM

 Lab ID:
 1710206-013
 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	28.9	1.00		ug/L	249490	1	10/09/2017 23:37	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 17 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-CS-004-B

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:48:00 AM

 Lab ID:
 1710206-014
 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	2.27	1.00		ug/L	249490	1	10/09/2017 23:43	JR

Date:

13-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 18 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-CS-005-A

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:50:00 AM

 Lab ID:
 1710206-015
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200	0.8			(E2	200.2)			
Lead	26.8	1.00		ug/L	249490	1	10/09/2017 23:50	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 19 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-CS-005-B

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:51:00 AM

 Lab ID:
 1710206-016
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				<b>(E</b> 2	200.2)			
Lead		1.48	1.00		ug/L	249490	1	10/09/2017 23:56	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 20 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-CS-006-A

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:53:00 AM

 Lab ID:
 1710206-017
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)7.63 1.00 ug/L 249490 10/10/2017 00:02 JR Lead

Date:

13-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 21 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-CS-006-B

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:54:00 AM

 Lab ID:
 1710206-018
 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		2.47	1.00		ug/L	249490	1	10/10/2017 00:09	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 22 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-CS-007-A

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:56:00 AM

 Lab ID:
 1710206-019
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor		Analyst
Trace Elements by ICP/MS E20	0.8			(E2	200.2)			
Lead	20.1	1.00		ug/L	249490	1	10/10/2017 00:15	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 23 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-CS-007-B

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 5:57:00 AM

 Lab ID:
 1710206-020
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				<b>(E</b> 2	200.2)			
Lead		7.60	1.00		ug/L	249490	1	10/10/2017 00:34	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 24 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-RS-002-A

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 6:02:00 AM

 Lab ID:
 1710206-021
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)71.5 1.00 ug/L 249492 10/10/2017 00:53 JR Lead

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 25 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-RS-002-B

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 6:03:00 AM

 Lab ID:
 1710206-022
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				<b>(E</b> 2	200.2)			
Lead		4.59	1.00		ug/L	249492	2 1	10/10/2017 01:25	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 26 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-OT-001-A

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 6:07:00 AM

 Lab ID:
 1710206-023
 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	13.6	1.00		ug/L	249492	2 1	10/10/2017 01:31	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 27 of 31

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-100317-OT-001-B

 Project Name:
 DCSD - 1051
 Collection Date:
 10/3/2017 6:08:00 AM

 Lab ID:
 1710206-024
 Matrix:
 Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				<b>(E</b> 2	200.2)			
Lead		1.04	1.00		ug/L	249492	2 1	10/10/2017 01:50	JR

Date:

13-Oct-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 28 of 31



### 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?				damaged leaking other	
4. Custody seals present on shipping container?					
5. Custody seals intact on shipping container?					
6. Temperature blanks present?					
Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for				Cooling initiated for recently collected samples / ice	
temperature recordings.]				present	
8. Chain of Custody (COC) present?					
9. Chain of Custody signed, dated, and timed when relinquished and received	d?				
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			°C	Cooler 3 Temperature °C Coole	er 4 Temperature°C
Cooler 5 Temperature °C Cooler 6 Temperature			°C	Cooler 7 Temperature °C Coole	er 8 Temperature °C
15. Comments:					
				I certify that I have co	impleted sections 1-15 (dated initials).
	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<del></del>	1	1 11/2	Details	Comments
17. Custody seals present on sample containers?	+				
18. Custody seals intact on sample containers?	+-				
18. Custody scals intact on sample containers:	+-			incomplete info illegible	
19. Do sample container labels match the COC?				no label other	
20. Are analyses requested indicated on the COC?	+-			lio label Utilei	
20. The unaryses requested maleated on the ede.	+-			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?	+			Samples listed on ede Hot received	
23. Did we receive sufficient sample volume for indicated analyses?	+				
24. Were samples received in appropriate containers?	+				
25. Were VOA samples received without headspace (< 1/4" bubble)?	+	1	1		
26. Were trip blanks submitted?	+			listed on COC not listed on COC	
	<del></del>	-	-	not not not on coo	<u> </u>
27. Comments:					
				I certify that I have co	impleted sections 16-27 (dated initials).
	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *					
29. Containers meet preservation guidelines?	$\top$	İ	1		
30. Was pH adjusted at Sample Receipt?					

**Client:** 

Atlanta Environmental Mgmt

**Project Name:** DCSD - 1051 Workorder: 1710206

# ANALYTICAL QC SUMMARY REPORT

Date:

13-Oct-17

BatchID: 249490

Sample ID: MB-249490	Client ID:				Unit		Prep Date:	10/09/2017	Run No: <b>354025</b>
SampleType: MBLK	TestCode:	Trace Elements by ICP/M	IS E200.8		Bato	chID: <b>249490</b>	Analysis Date:	10/09/2017	Seq No: <b>7790509</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPI	RPD Limit Qual
Lead	BRL	1.00							
Sample ID: LCS-249490	Client ID:				Unit	ts: ug/L	Prep Date:	10/09/2017	Run No: <b>354025</b>
SampleType: LCS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bato	chID: <b>249490</b>	Analysis Date:	10/09/2017	Seq No: <b>7790510</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPI	RPD Limit Qual
Lead	103.0	1.00	100.0		103	85	115		
Sample ID: 1710206-001AMS		1051-100317-DF-023			Unit	ts: ug/L	Prep Date:	10/09/2017	Run No: <b>354025</b>
SampleType: MS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bato	chID: <b>249490</b>	Analysis Date:	10/09/2017	Seq No: <b>7790512</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPI	RPD Limit Qual
Lead	112.2	1.00	100.0	11.10	101	70	130		
Sample ID: 1710206-011AMS	Client ID:	1051-100317-CS-003-A			Unit	ts: ug/L	Prep Date:	10/09/2017	Run No: <b>354025</b>
SampleType: MS	TestCode:	Trace Elements by ICP/M	IS E200.8		Bato	chID: <b>249490</b>	Analysis Date:	10/09/2017	Seq No: <b>7790518</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPI	RPD Limit Qual
Lead	103.2	1.00	100.0	1.564	102	70	130		
Sample ID: 1710206-001AMSD	Client ID:	: 1051-100317-DF-023-A			Units: ug/L		Prep Date:	10/09/2017	Run No: <b>354025</b>
SampleType: MSD	TestCode:	Trace Elements by ICP/M	IS E200.8		Bato	chID: <b>249490</b>	Analysis Date:	10/09/2017	Seq No: <b>7790515</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPI	RPD Limit Qual
Lead	115.1	1.00	100.0	11.10	104	70	130 112.	2 2.48	20

Qualifiers: Greater than Result value

> BRL Below reporting limit

Rpt Lim Reporting Limit

Estimated value detected below Reporting Limit

Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Page 30 of 31

Client: Atlanta Environmental Mgmt

**Project Name:** DCSD - 1051 **Workorder:** 1710206

# ANALYTICAL QC SUMMARY REPORT

Date:

13-Oct-17

BatchID: 249492

Sample ID: <b>MB-249492</b>	Client ID:	T. Fl. ( L. KCDA)	FG - F200 0		Uni		Prep Date:	10/09/2017	Run No: <b>354026</b>
SampleType: MBLK	TestCode:	Trace Elements by ICP/M	1S E200.8		Bato	chID: <b>249492</b>	Analysis Date:	10/10/2017	Seq No: <b>7790552</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	BRL	1.00							
Sample ID: LCS-249492	Client ID:				Uni	ts: ug/L	Prep Date:	10/09/2017	Run No: <b>354026</b>
SampleType: LCS	TestCode:	Trace Elements by ICP/M	1S E200.8		Bato	chID: <b>249492</b>	Analysis Date:	10/10/2017	Seq No: <b>7790553</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	106.3	1.00	100.0		106	85	115		
Sample ID: 1710206-021AMS		1051-100317-RS-002			Uni	ts: ug/L	Prep Date:	10/09/2017	Run No: <b>354026</b>
SampleType: MS	TestCode:	Trace Elements by ICP/M	1S E200.8		Bato	chID: <b>249492</b>	Analysis Date:	10/10/2017	Seq No: <b>7790555</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	190.0	1.00	100.0	71.55	118	70	130		
Sample ID: 1710235-003AMS	Client ID:				Unit	ts: ug/L	Prep Date:	10/09/2017	Run No: <b>354026</b>
SampleType: MS	TestCode:	Trace Elements by ICP/M	1S E200.8		Bato	chID: <b>249492</b>	Analysis Date:	10/10/2017	Seq No: <b>7790558</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	100.8	1.00	100.0	1.922	98.9	70	130		
Sample ID: <b>1710206-021AMSD</b>		: 1051-100317-RS-002-A			Units: ug/L		Prep Date: 10/09/2017		Run No: <b>354026</b>
SampleType: MSD	TestCode:	Trace Elements by ICP/M	1S E200.8		Bato	chID: 249492	Analysis Date:	10/10/2017	Seq No: <b>7790556</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPI	O RPD Limit Qual
Lead	185.4	1.00	100.0	71.55	114	70	130 190.0	2.45	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 31 of 31

#### **Leona Miles**

From: NoReply@aesatlanta.net

Sent: Tuesday, November 14, 2017 3:45 PM

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

**Subject:** DCSD - 1051

**Attachments:** 1711192\_REPORT.pdf; 1711192Invoice.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.



November 14, 2017

Leona Miles

Atlanta Environmental Mgmt

2580 NE Expressway

Atlanta

RE:

GA

30345

DCSD - 1051

Dear Leona Miles:

Order No:

1711192

Analytical Environmental Services, Inc. received

16 samples on

11/2/2017 9:55:00 AM

for the analyses presented in following report.

AES's accreditations are as follows:

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.

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

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

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

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

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

Sincerely,

Ioana Pacurar

Project Manager

Ivana Pacurar



# ANALYTICAL ENVIRONMENTAL SERVICES, INC

CHAIN OF CUSTODY

1177L:4. C

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

Date: ||/2 COMPANY: ADDRESS: Atlanta Environmental Management Inc ANALYSIS REQUESTED 2580 Northeast Expressway NE Visit our website Atlanta, GA 30345 www.aesatlanta.com 200.8) PHONE: FAX: to check on the status of 404-329-9006 404-329-2057 your results, place bottle No # of Containers SAMPLED BY: SIGNATURE orders, etc. ead SAMPLED SAMPLE ID PRESERVATION (See codes) REMARKS DATE TIME 1051-110217-DF-011-A 11/2 X X 2 1051-110217-DF-011-B 1051-110217-CS-002-A 1051-110217 -CS-002-12 1 £... 1051-110217-CS-004-A 5 1051-110217- CS-004-B 6 7 1051-110217-CS-005-A 0516 K 8 1051-110217-CS-005-B 0517 1051-110217 - CS-007-A × 1051-110217-CS-007-R 10 1051-110217- DF-007-A 11 0523 1051-110217-DF-007-R 12 0524 K 1051 - 110217 - DF-005-4 0531 X 1051- 110217- DF-005- B 0532 15 1051-110211-RS-002-A 0536 RELINQUISHED BY DATE/TIME RECEIVED BY DATE/TIME PROJECT INFORMATION RECEIPT 11/2/13 PROJECT NAME: Total # of Containers DCSD 1561-1601 PROJECT #: Turnaround Time Request SITE ADDRESS: O Standard 5 Business Days 0 2 Business Day Rush SEND REPORT TO: leona-miles@aem-net.com Ō SPECIAL INSTRUCTIONS/COMMENTS: Next Business Day Rush SHIPMENT METHOD INVOICE TO: Leona Miles 0 Same Day Rush (auth req.) OUT (IF DIFFERENT FROM ABOVE) VIA: preserve at lab Other: 10 business Days VIA: STATE PROGRAM (if any): CLIENT FedEx UPS MAIL COURIER E-mail? Y/N; Fax? Y/N GREYHOUND OTHER QUOTE #: PO#: SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT. DATA PACKAGE: I II III IV SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE Page 2 of 21 MATRIX CODES: A = Air



# ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

CHAIN OF CUSTODY

Work Order:

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188 OMPANY: ADDRESS: Atlanta Environmental Management Inc ANALYSIS REQUESTED 2580 Northeast Expressway NE Visit our website Atlanta, GA 30345 www.aesatlanta.com 200.8) PHONE: FAX: to check on the status of 404-329-9006 404-329-2057 your results, place bottle SAMPLED BY: No # of Containers SIGNATURE orders, etc. Lead SAMPLED SAMPLE ID PRESERVATION (See codes) REMARKS DATE TIME 1051-110217-RS-002-B 0537 DW 2 3 10 11 12 13 14 15 RELINQUISHED BY DATE/TIME RECEIVED BY DATE/TIME PROJECT INFORMATION 11/2/17 RECEIPT PROJECT NAME: Total # of Containers DCSD 1561-1601 PROJECT #: Turnaround Time Request SITE ADDRESS: O 051 Standard 5 Business Days 0 2 Business Day Rush SEND REPORT TO: leona-miles@aem-net.com O SPECIAL INSTRUCTIONS/COMMENTS: Next Business Day Rush SHIPMENT METHOD INVOICE TO: Leona Miles Same Day Rush (auth req.) OUT VIA: (IF DIFFERENT FROM ABOVE) preserve at lab Other: 10 business Days VIA: STATE PROGRAM (if any): CLIENT FedEx UPS MAIL COURIER E-mail? Y/N; Fax? Y/N GREYHOUND OTHER QUOTE #: PO#: SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT. DATA PACKAGE: I II III IV SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE. Page 3 of 21

Client:Atlanta Environmental MgmtClient Sample ID:1051-110217-DF-011-AProject Name:DCSD - 1051Collection Date:11/2/2017 5:05:00 AMLab ID:1711192-001Matrix:Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8	(E200.2)							
Lead		4.28	1.00		ug/L	251072	2 1	11/07/2017 01:37	TA

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-110217-DF-011-B

 Project Name:
 DCSD - 1051
 Collection Date:
 11/2/2017 5:06:00 AM

 Lab ID:
 1711192-002
 Matrix:
 Drinking Water

Analyses	Res	sult Reportir Limit	g Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8	(E200.2)						
Lead	3	3.99 1.00		ug/L	251072	1	11/07/2017 01:52	TA

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-110217-CS-002-A

 Project Name:
 DCSD - 1051
 Collection Date:
 11/2/2017 5:12:00 AM

 Lab ID:
 1711192-003
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)23.8 1.00 ug/L 251072 11/07/2017 01:53 TA Lead

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

Client:Atlanta Environmental MgmtClient Sample ID:1051-110217-CS-002-BProject Name:DCSD - 1051Collection Date:11/2/2017 5:13:00 AMLab ID:1711192-004Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	7.75	1.00		ug/L	251072	. 1	11/07/2017 01:55	TA

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-110217-CS-004-A

 Project Name:
 DCSD - 1051
 Collection Date:
 11/2/2017 5:14:00 AM

 Lab ID:
 1711192-005
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8	3			(E2	200.2)			
Lead	25.1	1.00		ug/L	251072	. 1	11/07/2017 01:57	TA

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-110217-CS-004-B

 Project Name:
 DCSD - 1051
 Collection Date:
 11/2/2017 5:15:00 AM

 Lab ID:
 1711192-006
 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		97.8	1.00		ug/L	251072	2 1	11/07/2017 01:59	TA

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 9 of 21

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-110217-CS-005-A

 Project Name:
 DCSD - 1051
 Collection Date:
 11/2/2017 5:16:00 AM

 Lab ID:
 1711192-007
 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	186	1.00		ug/L	251072	. 1	11/07/2017 02:01	TA

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 10 of 21

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-110217-CS-005-B

 Project Name:
 DCSD - 1051
 Collection Date:
 11/2/2017 5:17:00 AM

 Lab ID:
 1711192-008
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E20	0.8			<b>(E</b> 2	200.2)			
Lead	1.78	1.00		ug/L	251072	1	11/07/2017 02:03	TA

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-110217-CS-007-A

 Project Name:
 DCSD - 1051
 Collection Date:
 11/2/2017 5:19:00 AM

 Lab ID:
 1711192-009
 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	17.8	1.00		ug/L	251072	1	11/07/2017 02:05	TA

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-110217-CS-007-B

 Project Name:
 DCSD - 1051
 Collection Date:
 11/2/2017 5:20:00 AM

 Lab ID:
 1711192-010
 Matrix:
 Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E2	200.2)			
Lead	1.10	1.00		ug/L	251072	1	11/07/2017 02:06	TA

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 13 of 21

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-110217-DF-007-A

 Project Name:
 DCSD - 1051
 Collection Date:
 11/2/2017 5:23:00 AM

 Lab ID:
 1711192-011
 Matrix:
 Drinking Water

Reporting Dilution Qual Units BatchID Analyses Result Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)3.61 1.00 ug/L 251072 11/07/2017 01:42 TA Lead

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 14 of 21

Client:Atlanta Environmental MgmtClient Sample ID:1051-110217-DF-007-BProject Name:DCSD - 1051Collection Date:11/2/2017 5:24:00 AMLab ID:1711192-012Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS EX	200.8			(E2	200.2)			
Lead	4.58	1.00		ug/L	251072	1	11/07/2017 02:08	TA

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 15 of 21

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-110217-DF-005-A

 Project Name:
 DCSD - 1051
 Collection Date:
 11/2/2017 5:31:00 AM

 Lab ID:
 1711192-013
 Matrix:
 Drinking Water

Reporting Dilution BatchID Analyses Result Qual Units Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)1.12 1.00 ug/L 251072 11/07/2017 02:16 TA Lead

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

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Client:Atlanta Environmental MgmtClient Sample ID:1051-110217-DF-005-BProject Name:DCSD - 1051Collection Date:11/2/2017 5:32:00 AMLab ID:1711192-014Matrix:Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8	3			(E2	200.2)			
Lead	1.18	1.00		ug/L	251072	. 1	11/07/2017 02:18	TA

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

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 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 1051-110217-RS-002-A

 Project Name:
 DCSD - 1051
 Collection Date:
 11/2/2017 5:36:00 AM

 Lab ID:
 1711192-015
 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	60.8	1.00		ug/L	251072	1	11/07/2017 02:19	TA

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

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Client:Atlanta Environmental MgmtClient Sample ID:1051-110217-RS-002-BProject Name:DCSD - 1051Collection Date:11/2/2017 5:37:00 AMLab ID:1711192-016Matrix:Drinking Water

Analyses		Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS	E200.8				(E2	200.2)			
Lead		5.74	1.00		ug/L	251072	. 1	11/07/2017 02:21	TA

Date:

14-Nov-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

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## 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?				damaged leaking other	
4. Custody seals present on shipping container?					
5. Custody seals intact on shipping container?					
6. Temperature blanks present?					
Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for				Cooling initiated for recently collected samples / ice	
7. temperature recordings.]				present	
8. Chain of Custody (COC) present?					
9. Chain of Custody signed, dated, and timed when relinquished and received	?				
10. Sampler name and/or signature on COC?					
11. Were all samples received within holding time?					
12. TAT marked on the COC?				If no TAT indicated, proceeded with standard TAT per Te	erms & Conditions.
					_
13. Cooler 1 Temperature °C Cooler 2 Temperature		•	°C	Cooler 3 Temperature °C Coole	er 4 Temperature°C
Cooler 5 Temperature °C Cooler 6 Temperature			°C		er 8 Temperature °C
cooler 5 remperature			•	cooler / Temperature c	in a remperature
15. Comments:					
				Land Control of the Control	and the decorate of AP (detect 1991)
				i certify that I have co	empleted 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?					
10. De cample container labels match the COC?				incomplete info illegible	
19. Do sample container labels match the COC?				no label	
20. Are analyses requested indicated on the COC?					
34 W     - ( 1)				samples received but not listed on COC	
21. Were all of the samples listed on the COC received?				samples listed on COC not received	
22. Was the sample collection date/time noted?				·	
23. Did we receive sufficient sample volume for indicated analyses?					
24. Were samples received in appropriate containers?					
25. Were VOA samples received without headspace (< 1/4" bubble)?					
26. Were trip blanks submitted?				listed on COC not listed on COC	
	ļ	!	!		
27. Comments:					
				I certify that I have co	mpleted sections 16-27 (dated initials).
	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *	Yes	No	N/A	Details	Comments
<ul><li>28. Have containers needing chemical preservation been checked? *</li><li>29. Containers meet preservation guidelines?</li></ul>	Yes	No	N/A	<b>Details</b>	Comments

Client: Atlanta Environmental Mgmt

**Project Name:** DCSD - 1051 **Workorder:** 1711192

# ANALYTICAL QC SUMMARY REPORT

Date:

14-Nov-17

BatchID: 251072

Sample ID: MB-251072	Client ID:				Uni	ts: ug/L	Prep Date:	11/06/2017	Run No: <b>356272</b>
SampleType: MBLK	TestCode: Trace Elements by ICP/MS E200.8				Bat	chID: <b>251072</b>	Analysis Date: 11/07/2017		Seq No: <b>7848815</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPE	RPD Limit Qual
Lead	BRL	1.00							
Sample ID: LCS-251072 SampleType: LCS	Client ID: TestCode:	Trace Elements by ICP/MS E200.8			Uni Bat	ts: <b>ug/L</b> chID: <b>251072</b>	Prep Date: Analysis Date:	11/06/2017 11/07/2017	Run No: <b>356272</b> Seq No: <b>7848817</b>
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPE	RPD Limit Qual
Lead	95.43	1.00	100.0		95.4	85	115		
Sample ID: 1711192-001AMS SampleType: MS		: 1051-110217-DF-011-A : Trace Elements by ICP/MS E200.8			Units: ug/L BatchID: 251072		Prep Date: 11/06/2017 Run No: 356272 Analysis Date: 11/07/2017 Seq No: 7848821		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	ef Val %RPD	RPD Limit Qual
Lead	98.87	1.00	100.0	4.279	94.6	70	130		
Sample ID: 1711192-011AMS SampleType: MS		D: 1051-110217-DF-007-A e: Trace Elements by ICP/MS E200.8			Units: ug/L BatchID: 251072		Prep Date: 11/06/2017 Run No: 356272 Analysis Date: 11/07/2017 Seq No: 7848827		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPE	RPD Limit Qual
Lead	97.12	1.00	100.0	3.612	93.5	70	130		
Sample ID: 1711192-001AMSD SampleType: MSD		Client ID: 1051-110217-DF-011-A estCode: Trace Elements by ICP/MS E200.8			Units: ug/L BatchID: 251072		Prep Date: 11/06/2017 Run No: 356272 Analysis Date: 11/07/2017 Seq No: 7848823		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit RPD Re	f Val %RPE	RPD Limit Qual
Lead	98.09	1.00	100.0	4.279	93.8	70	130 98.8	7 0.797	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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