November 1, 2017

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

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

Re: Summary of Additional Lead in Drinking Water Sample Results Rowland Elementary School (Facility ID #4065) 1317 S. Indian Creek Drive, Stone Mountain, Georgia 30083 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 Rowland Elementary School (Facility ID #4065). Additional drinking water samples from select source units were collected on April 5, 2017, and October 20, 2017, and analytical results were received from Analytical Environmental Services, Inc., on April 19, 2017, and October 30, 2017.

#### **FINDINGS**

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

During the initial sampling event on November 2, 2016, four source units were inoperable and could not be sampled. DCSD made repairs to the inoperable source units and AEM collected seven drinking water samples on April 5, 2017. A description of the drinking water outlet sampled and a summary of sample analytical results are provided in Table 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 November 2, 2016, one source unit (DF-009) was sampled and the analytical results indicated that the results were above EPA's action level of 15 ppb. DCSD replaced the source unit and AEM collected two drinking water samples on April 5, 2017. One or more samples collected from DF-009 contained lead exceeding EPA's action level of 15 ppb. This source unit remained out of service so that additional remediation measures could be evaluated.

DCSD installed a filter on the drinking fountain and AEM collected two samples on October 20, 2017. None of the samples collected contained a lead concentration exceeding EPA's action level of 15 ppb. A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 2.

Mr. Joshua Williams—DeKalb County School District November 1, 2017 Page 2

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

Sincerely,

Atlanta Environmental Management, Inc.

Leona Miles, CHMM Senior Project Manager

Janet T. Hart President

/krf

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

Sandra Glenn (DeKalb County Watershed Management)

Ryan Cira (DeKalb Board of Health)

Attachment: Table

## **Rowland Elementary School**



1317 S. Indian Creek Drive, Stone Mountain, GA 30083

| Sample ID*/**        | Sample Location Description   | Sample Date & Time | Lead Test<br>Results<br>(ppb) |
|----------------------|---|--------------------|-------------------------------|
| 4065-040517-DF-001-A | Initial Draw sample; Lower Left wall mounted Drinking Fountain in Gym | 4/5/17 5:28 AM     | None Detected                 |
| 4065-040517-DF-001-B | Flush sample; Lower Left wall mounted Drinking Fountain in Gym        | 4/5/17 5:29 AM     | None Detected                 |
| 4065-040517-DF-012-A | Initial Draw sample; Upper Right Oasis Drinking Fountain in Cafeteria | 4/5/17 5:17 AM     | 1.07                          |
| 4065-040517-DF-012-B | Flush sample; Upper Right Oasis Drinking Fountain in Cafeteria        | 4/5/17 5:18 AM     | 2.19                          |
| 4065-040517-DF-013-A | Initial Draw sample; Lower Left Oasis Drinking Fountain in Cafeteria  | 4/5/17 5:19 AM     | 4.84                          |
| 4065-040517-DF-013-B | Flush sample; Lower Left Oasis Drinking Fountain in Cafeteria         | 4/5/17 5:20 AM     | None Detected                 |
| 4065-040517-SC-001-A | Service Connection Entry into Building                                | 4/5/17 5:14 AM     | None Detected                 |

#### 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>The Source Units were inoperable during the initial testing on 11/02/16. The above summarizes the initial test results post-repair.

## **Rowland Elementary School**



1317 S. Indian Creek Drive, Stone Mountain, GA 30083

| Sample ID*/**        | Sample Location Description   | Sample Date & Time | Lead Test<br>Results<br>(ppb) |
|----------------------|---|--------------------|-------------------------------|
|                      | Initial Draw sample; Retest Wall Mounted Drinking Fountain in Basement Storage Rm |                    |                               |
| 4065-102017-DF-009-A | 120.1; Filter Added   | 10/20/17 5:02 AM   | None Detected                 |
|                      | Flush sample; Retest Wall Mounted Drinking Fountain in Basement Storage Rm 120.1; |                    |                               |
| 4065-102017-DF-009-B | Filter Added  | 10/20/17 5:03 AM   | 2.73                          |

#### Notes:

ppb-parts per billion

Bold-Exceeds 15 ppb--EPA's

Action Level for Lead

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

<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>The source unit was initially sampled on 11/02/17 and the initial results indicated that a concentration exceeded the EPA standard of 15 ppb.

November 18, 2016

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

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

Re: Lead in Drinking Water Sample Results
Rowland Elementary School (Facility ID #4065)
1317 S. Indian Creek Drive, Stone Mountain, Georgia 30083
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 Rowland Elementary School (Facility ID #4065). Samples were collected on November 2, 2016, and analytical results were received from Analytical Environmental Services, Inc., on November 16, 2016.

#### **FINDINGS**

AEM collected 43 drinking water samples from 21 sources at Rowland Elementary School (Facility ID #4065), including two duplicate samples. A description of the drinking water outlets sampled and a summary of sample analytical results are provided in the attached table.

One 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. This source is indicated in bold and shaded font in the attached table.

Mr. Joshua Williams—DeKalb County School District November 18, 2016 Page 2

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

Sincerely,

Atlanta Environmental Management, Inc.

Leona Miles, CHMM Senior Project Manager

Janet T. Hart President

/krf

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

Sandra Glenn (DeKaib County Watershed Management)

Ryan Cira (DeKalb Board of Health)

Attachment: Table

## **Rowland Elementary School**



|                      |  |                    | Lead Test     |
|----------------------|--|--------------------|---------------|
|                      |  |                    | Results       |
| Sample ID*           | Sample Location Description  | Sample Date & Time | ( ppb)        |
| 4065-110216-DF-002-A | Initial Draw sample; Upper Right wall mounted Oasis Drinking Fountain in Gym             | 11/2/16 6:12 AM    | None Detected |
| 4065-110216-DF-002-B | Flush sample; Upper Right wall mounted Oasis Drinking Fountain in Gym                    | 11/2/16 6:13 AM    | None Detected |
|                      | Initial Draw sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near Rm  |                    |               |
| 4065-110216-DF-003-A | 104  | 11/2/16 5:14 AM    | None Detected |
| 4065-110216-DF-003-B | Flush sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near Rm 104     | 11/2/16 5:15 AM    | None Detected |
|                      | Initial Draw sample; Upper Right wall mounted Oasis Drinking Fountain in hallway near    |                    |               |
| 4065-110216-DF-004-A | S5-110216-DF-004-A Rm 104  |                    | None Detected |
| 4065-110216-DF-004-B | Flush sample; Upper Right wall mounted Oasis Drinking Fountain in hallway near Rm 104    | 11/2/16 5:17 AM    | None Detected |
|                      | Initial Draw sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near the |                    |               |
| 4065-110216-DF-005-A | Cafeteria/Rm 98  | 11/2/16 5:29 AM    | None Detected |
|                      | Flush sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near the        |                    |               |
| 4065-110216-DF-005-B | Cafeteria/Rm 98  | 11/2/16 5:30 AM    | None Detected |
|                      | Initial Draw sample; Upper Right wall mounted Oasis Drinking Fountain in hallway near    |                    |               |
| 4065-110216-DF-006-A | the Cafeteria/Rm 98  | 11/2/16 5:34 AM    | None Detected |
|                      | Flush sample; Upper Right wall mounted Oasis Drinking Fountain in hallway near the       |                    |               |
| 4065-110216-DF-006-B | Cafeteria/Rm 98  | 11/2/16 5:35 AM    | None Detected |
|                      | Initial Draw sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near Rm  |                    |               |
| 4065-110216-DF-007-A | 109  | 11/2/16 5:38 AM    | None Detected |
| 4065-110216-DF-007-В | Flush sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near Rm 109     | 11/2/16 5:39 AM    | None Detected |
|                      | Initial Draw sample; Upper Right wall mounted Oasis Drinking Fountain in hallway near    |                    |               |
| 4065-110216-DF-008-A | Rm 109   | 11/2/16 5:41 AM    | None Detected |
| 4065-110216-DF-008-B | Flush sample; Upper Right wall mounted Oasis Drinking Fountain in hallway near Rm 109    | 11/2/16 5:42 AM    | None Detected |
|                      | Initial Draw sample; Wall Mounted Drinking Fountain in Basement Storage Rm 120.1;        |                    |               |
| 4065-110216-DF-009-A | Water discolored   | 11/2/16 5:59 AM    | 558           |
|                      | Flush sample; Wall Mounted Drinking Fountain in Basement Storage Rm 120.1; Water         |                    |               |
| 4065-110216-DF-009-B | discolored   | 11/2/16 6:00 AM    | 1,050         |

## **Rowland Elementary School**



|   |  |                    | Lead Test<br>Results |
|---|--|--------------------|----------------------|
| Sample ID*  | Sample Location Description  | Sample Date & Time | ( ppb)               |
|   | Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain in hallway across              |                    |                      |
| 4065-110216-DF-010-A  | from Rm 209  | 11/2/16 5:54 AM    | None Detected        |
| 4065-110216-DF-010-B  | Flush sample; Lower Right wall mounted Elkay Drinking Fountain in hallway across from Rm 209         | 11/2/16 5:55 AM    | None Detected        |
| 4065-110216-DF-011-A  | Initial Draw sample; Upper Left wall mounted Elkay Drinking Fountain in hallway across from Rm 209   | 11/2/16 5:50 AM    | None Detected        |
| 4065-110216-DF-011-B  | Flush sample; Upper Left wall mounted Elkay Drinking Fountain in hallway across from Rm 209          | 11/2/16 5:51 AM    | None Detected        |
| 4065-110216-KS-001-A  |  |                    | None Detected        |
| 065-110216-KS-001-B Flush sample; Kindergarten Sink with no bubbler in Rm 211; Sampled faucet |  | 11/2/16 6:06 AM    | None Detected        |
| 4065-110216-KS-002-A  | D65-110216-KS-002-A Initial Draw sample; Kindergarten Sink with no bubbler in Rm 210; Sampled faucet |                    | None Detected        |
| 4065-110216-KS-002-B  | Flush sample; Kindergarten Sink with no bubbler in Rm 210; Sampled faucet                            | 11/2/16 6:01 AM    | None Detected        |
| 4065-110216-KS-003-A  | Initial Draw sample; Kindergarten Sink with bubbler in Rm 206; Sampled bubbler                       | 11/2/16 5:43 AM    | 1.13                 |
| 4065-110216-KS-003-B  | Flush sample; Kindergarten Sink with bubbler in Rm 206; Sampled bubbler                              | 11/2/16 5:44 AM    | None Detected        |
| 4065-110216-KS-004-A  | Initial Draw sample; Kindergarten Sink with bubbler in Rm 205; Sampled bubbler                       | 11/2/16 5:37 AM    | None Detected        |
| 4065-110216-KS-004-B  | Flush sample; Kindergarten Sink with bubbler in Rm 205; Sampled bubbler                              | 11/2/16 5:38 AM    | None Detected        |
| 4065-110216-KS-005-A  | Initial Draw sample; Kindergarten Sink with bubbler in Rm 204; Sampled bubbler                       | 11/2/16 5:31 AM    | None Detected        |
| 4065-110216-KS-005-B  | Flush sample; Kindergarten Sink with bubbler in Rm 204; Sampled bubbler                              | 11/2/16 5:32 AM    | None Detected        |
| 4065-110216-KS-006-A  | Initial Draw sample; Kindergarten Sink with bubbler in Rm 202; Sampled bubbler                       | 11/2/16 5:25 AM    | 1.90                 |
| 4065-110216-KS-006-B  | Flush sample; Kindergarten Sink with bubbler in Rm 202; Sampled bubbler                              | 11/2/16 5:26 AM    | None Detected        |
| 4065-110216-RS-001-A  | Initial Draw sample; Girls RR near Rm 109; Sampled sink farthest from door                           | 11/2/16 5:45 AM    | None Detected        |
| 4065-110216-RS-001-B  | Flush sample; Girls RR near Rm 109; Sampled sink farthest from door                                  | 11/2/16 5:46 AM    | None Detected        |
| 4065-110216-RS-002-A  | Initial Draw sample; Boys RR near Rm 109; Sampled sink farthest from door                            | 11/2/16 5:48 AM    | None Detected        |
| 4065-110216-RS-002-B  | Flush sample; Boys RR near Rm 109; Sampled sink farthest from door                                   | 11/2/16 5:49 AM    | None Detected        |

## **Rowland Elementary School**



1317 S. Indian Creek Drive, Stone Mountain, GA 30083

| Sample ID*           | Sample Location Description  | Sample Date & Time | Lead Test<br>Results<br>( ppb) |
|----------------------|--|--------------------|--------------------------------|
| 4065-110216-TL-001-A | Initial Draw sample; Kitchen style sink in Faculty Lounge Rm 107.1 | 11/2/16 5:52 AM    | None Detected                  |
| 4065-110216-TL-001-B | Flush sample; Kitchen style sink in Faculty Lounge Rm 107.1        | 11/2/16 5:53 AM    | None Detected                  |
| 4065-110216-CS-001-A | Initial Draw sample; Only Food Prep sink in Kitchen                | 11/2/16 5:13 AM    | None Detected                  |
| 4065-110216-CS-001-B | Flush sample; Only Food Prep sink in Kitchen                       | 11/2/16 5:14 AM    | None Detected                  |
| 4065-110216-IM-001-A | Scotsman Ice Machine in Kitchen                                    | 11/2/16 5:17 AM    | None Detected                  |

#### Notes:

ppb-parts per billion

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

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

November 8, 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 Rowland Elementary School (Facility ID #4065) 1317 S. Indian Creek Drive, Stone Mountain, Georgia 30083 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 Rowland Elementary School (Facility ID #4065).

Initial sampling was conducted on November 2, 2016, and analytical results were received from Analytical Environmental Services, Inc., on November 16, 2016. Additional drinking water samples from select source units were collected on April 5, 2017, and October 20, 2017, and analytical results were received from Analytical Environmental Services, Inc., on April 19, 2017, and October 30, 2017.

#### **FINDINGS**

## Initial Testing

AEM collected 43 drinking water samples from 21 sources at Rowland Elementary School (Facility ID #4065), including 2 duplicate samples (see Figure 1). A description of the drinking water outlets sampled and a summary of sample analytical results are provided in Table 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.

One 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). This is indicated in bold and shaded font in the attached table. A copy of the AES laboratory analytical report is provided in Attachment B.

Mr. Joshua Williams—DeKalb County School District November 8, 2017 Page 2

## Initial Sample Results of Previously Identified Inoperable and/or Inaccessible Source Units

During the initial sampling event on November 2, 2016, four source units were inoperable and could not be sampled. DCSD made repairs to the inoperable source units and AEM collected seven drinking water samples on April 5, 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 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 November 2, 2016, one source unit (DF-009) was sampled and the analytical results indicated that the results were above EPA's action level of 15 ppb. DCSD replaced the source unit and AEM collected two drinking water samples on April 5, 2017. One or more samples collected from DF-009 contained lead exceeding EPA's action level of 15 ppb. This source unit remained out of service so that additional remediation measures could be evaluated.

DCSD installed a filter on the drinking fountain and AEM collected two samples on October 20, 2017. None of the samples collected contained a lead concentration exceeding EPA's action level of 15 ppb. A description of the drinking water outlet sampled and a summary of sample analytical results are provided in Table 1.

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

Sincerely,

Atlanta Environmental Management, Inc.

Leona Miles, CHMM
Senior Project Manager

Janet T. Hart President

/krf

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

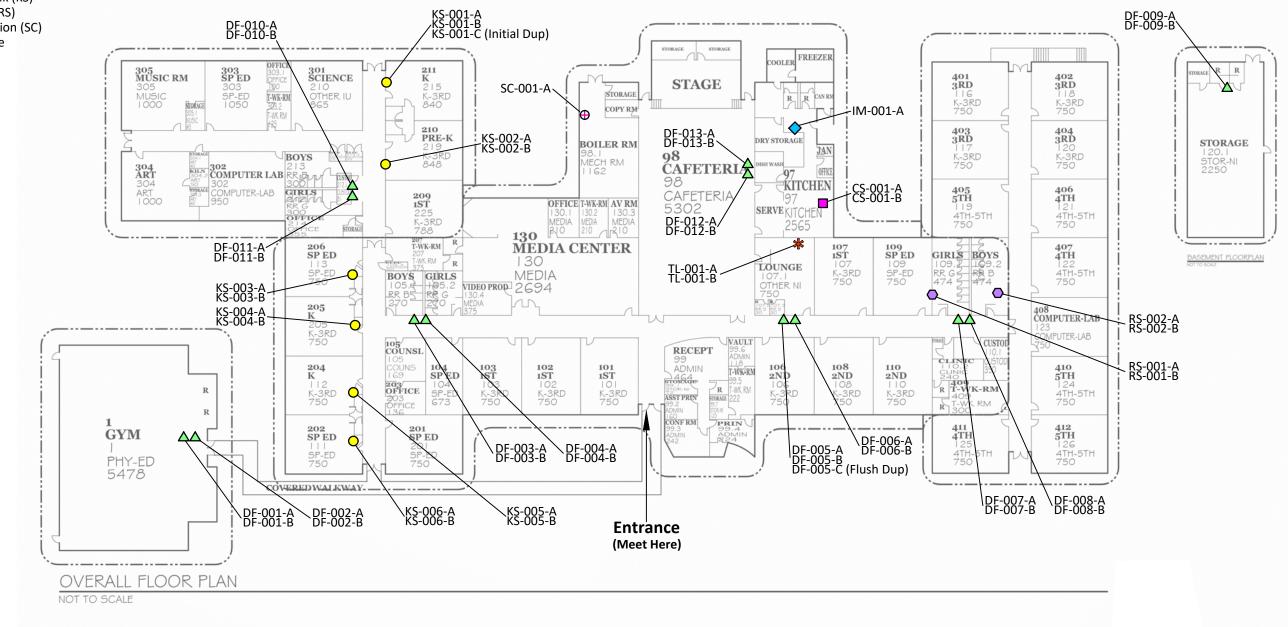


## **FIGURE**



## Legend

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





Atlanta Environmental Management, Inc. 2580 Northeast Expressway • Atlanta, Georgia 30345 Phone: 404.329.9006 • Fax: 404.329.2057

PROJECT #: 1561-1601-4065 DATE: November 7, 2017 DRAWN BY: REVISED: CHECKED BY: SCALE: NTS PROJECT MGR: PRINTED:11/7/2017 10:50 AM G:\DWG\1561-1601 DeKalb County Schools\4065\4065

Client: DeKalb County School District Site Location: Rowland Elementary Facility (#4065) 1317 South Indian Creek Drive Stone Mountain, GA 30083

Sample Location Plan

Figure

## **TABLE**



## **Rowland Elementary School**



| Sample ID*           | Sample Location Description   | Sample Date & Time | Lead Test<br>Results<br>(ppb) |
|----------------------|---|--------------------|-------------------------------|
| 4065-110216-DF-001-A | Not Sampled; Inoperable; Lower Left wall mounted Drinking Fountain in Gym                                   | NS                 | NS                            |
| 4065-110216-DF-001-B | Not Sampled; Inoperable; Lower Left wall mounted Drinking Fountain in Gym                                   | NS                 | NS                            |
| 4065-040517-DF-001-A | Initial Draw sample; Lower Left wall mounted Drinking Fountain in Gym                                       | 4/5/17 5:28 AM     | None Detected                 |
| 4065-040517-DF-001-B | Flush sample; Lower Left wall mounted Drinking Fountain in Gym  | 4/5/17 5:29 AM     | None Detected                 |
| 4065-110216-DF-002-A | Initial Draw sample; Upper Right wall mounted Oasis Drinking Fountain in Gym                                | 11/2/16 6:12 AM    | None Detected                 |
| 4065-110216-DF-002-B | Flush sample; Upper Right wall mounted Oasis Drinking Fountain in Gym                                       | 11/2/16 6:13 AM    | None Detected                 |
| 4065-110216-DF-003-A | Initial Draw sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near Rm 104                 | 11/2/16 5:14 AM    | None Detected                 |
| 4065-110216-DF-003-B | Flush sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near Rm 104                        | 11/2/16 5:15 AM    | None Detected                 |
| 4065-110216-DF-004-A | Initial Draw sample; Upper Right wall mounted Oasis Drinking Fountain in hallway near Rm 104                | 11/2/16 5:16 AM    | None Detected                 |
| 4065-110216-DF-004-B | Flush sample; Upper Right wall mounted Oasis Drinking Fountain in hallway near Rm 104                       | 11/2/16 5:17 AM    | None Detected                 |
| 4065-110216-DF-005-A | Initial Draw sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near the Cafeteria/Rm 98    | 11/2/16 5:29 AM    | None Detected                 |
| 4065-110216-DF-005-В | Flush sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near the Cafeteria/Rm 98           | 11/2/16 5:30 AM    | None Detected                 |
| 4065-110216-DF-005-C | Flush Duplicate sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near the Cafeteria/Rm 98 | 11/2/16 5:31 AM    | None Detected                 |
| 4065-110216-DF-006-A | Initial Draw sample; Upper Right wall mounted Oasis Drinking Fountain in hallway near the Cafeteria/Rm 98   | 11/2/16 5:34 AM    | None Detected                 |
| 4065-110216-DF-006-В | Flush sample; Upper Right wall mounted Oasis Drinking Fountain in hallway near the Cafeteria/Rm 98          | 11/2/16 5:35 AM    | None Detected                 |
| 4065-110216-DF-007-A | Initial Draw sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near Rm 109                 | 11/2/16 5:38 AM    | None Detected                 |
| 4065-110216-DF-007-В | Flush sample; Lower Left wall mounted Oasis Drinking Fountain in hallway near Rm 109                        | 11/2/16 5:39 AM    | None Detected                 |

## **Rowland Elementary School**



|                      |  |                    | Lead Test        |
|----------------------|--|--------------------|------------------|
| Sample ID*           | Sample Location Description  | Sample Date & Time | Results<br>(ppb) |
|                      | Initial Draw sample; Upper Right wall mounted Oasis Drinking Fountain in hallway near Rm |                    |                  |
| 4065-110216-DF-008-A | 109  | 11/2/16 5:41 AM    | None Detected    |
| 4065-110216-DF-008-B | Flush sample; Upper Right wall mounted Oasis Drinking Fountain in hallway near Rm 109    |                    | None Detected    |
|                      | Initial Draw sample; Wall Mounted Drinking Fountain in Basement Storage Rm 120.1;        |                    |                  |
| 4065-110216-DF-009-A | Water discolored   | 11/2/16 5:59 AM    | 558              |
|                      | Flush sample; Wall Mounted Drinking Fountain in Basement Storage Rm 120.1; Water         |                    |                  |
| 4065-110216-DF-009-B | discolored   | 11/2/16 6:00 AM    | 1,050            |
|                      | Initial Draw sample; Retest Wall Mounted Drinking Fountain in Basement Storage Rm        |                    |                  |
| 4065-040517-DF-009-A | 120.1  | 4/5/17 5:23 AM     | 529              |
| 4065-040517-DF-009-B | Flush sample; Retest Wall Mounted Drinking Fountain in Basement Storage Rm 120.1         | 4/5/17 5:24 AM     | 105              |
|                      | Initial Draw sample; Retest Wall Mounted Drinking Fountain in Basement Storage Rm        |                    |                  |
| 4065-102017-DF-009-A | 120.1; Filter Added  | 10/20/17 5:02 AM   | None Detected    |
|                      | Flush sample; Retest Wall Mounted Drinking Fountain in Basement Storage Rm 120.1;        |                    |                  |
| 4065-102017-DF-009-B | Filter Added   | 10/20/17 5:03 AM   | 2.73             |
|                      | Initial Draw sample; Lower Right wall mounted Elkay Drinking Fountain in hallway across  |                    |                  |
| 4065-110216-DF-010-A | from Rm 209  | 11/2/16 5:54 AM    | None Detected    |
|                      | Flush sample; Lower Right wall mounted Elkay Drinking Fountain in hallway across from    |                    |                  |
| 4065-110216-DF-010-B | Rm 209   | 11/2/16 5:55 AM    | None Detected    |
|                      | Initial Draw sample; Upper Left wall mounted Elkay Drinking Fountain in hallway across   |                    |                  |
| 4065-110216-DF-011-A | from Rm 209  | 11/2/16 5:50 AM    | None Detected    |
|                      | Flush sample; Upper Left wall mounted Elkay Drinking Fountain in hallway across from Rm  |                    |                  |
| 4065-110216-DF-011-B | 209  | 11/2/16 5:51 AM    | None Detected    |
| 4065-110216-DF-012-A | Not Sampled; Inoperable; Upper Right Oasis Drinking Fountain in Cafeteria                | NS                 | NS               |
| 4065-110216-DF-012-B | Not Sampled; Inoperable; Upper Right Oasis Drinking Fountain in Cafeteria                | NS                 | NS               |
| 4065-040517-DF-012-A | Initial Draw sample; Upper Right Oasis Drinking Fountain in Cafeteria                    | 4/5/17 5:17 AM     | 1.07             |
| 4065-040517-DF-012-B | Flush sample; Upper Right Oasis Drinking Fountain in Cafeteria                           | 4/5/17 5:18 AM     | 2.19             |

## **Rowland Elementary School**



| Sample ID*  | Sample Location Description   | Sample Date & Time | Lead Test<br>Results<br>(ppb) |
|---|---|--------------------|-------------------------------|
| 4065-110216-DF-013-A  | Not Sampled; Inoperable; Lower Left Oasis Drinking Fountain in Cafeteria            | NS                 | NS                            |
| 4065-110216-DF-013-B  | Not Sampled; Inoperable; Lower Left Oasis Drinking Fountain in Cafeteria            | NS                 | NS                            |
| 4065-040517-DF-013-A  | Initial Draw sample; Lower Left Oasis Drinking Fountain in Cafeteria                | 4/5/17 5:19 AM     | 4.84                          |
| 4065-040517-DF-013-B  | Flush sample; Lower Left Oasis Drinking Fountain in Cafeteria                       | 4/5/17 5:20 AM     | None Detected                 |
| 4065-110216-KS-001-A  | Initial Draw sample; Kindergarten Sink with no bubbler in Rm 211; Sampled faucet    | 11/2/16 6:04 AM    | None Detected                 |
| 4065-110216-KS-001-B  | Flush sample; Kindergarten Sink with no bubbler in Rm 211; Sampled faucet           | 11/2/16 6:06 AM    | None Detected                 |
|   | Initial Draw Duplicate sample; Kindergarten Sink with no bubbler in Rm 211; Sampled |                    |                               |
| 4065-110216-KS-001-C  | faucet  | 11/2/16 6:05 AM    | None Detected                 |
| 1065-110216-KS-002-A Initial Draw sample; Kindergarten Sink with no bubbler in Rm 210; Sampled faucet |   | 11/2/16 6:00 AM    | None Detected                 |
| 4065-110216-КS-002-В  | Flush sample; Kindergarten Sink with no bubbler in Rm 210; Sampled faucet           | 11/2/16 6:01 AM    | None Detected                 |
| 4065-110216-KS-003-A  | Initial Draw sample; Kindergarten Sink with bubbler in Rm 206; Sampled bubbler      | 11/2/16 5:43 AM    | 1.13                          |
| 4065-110216-KS-003-B  | Flush sample; Kindergarten Sink with bubbler in Rm 206; Sampled bubbler             | 11/2/16 5:44 AM    | None Detected                 |
| 4065-110216-KS-004-A  | Initial Draw sample; Kindergarten Sink with bubbler in Rm 205; Sampled bubbler      | 11/2/16 5:37 AM    | None Detected                 |
| 4065-110216-KS-004-B  | Flush sample; Kindergarten Sink with bubbler in Rm 205; Sampled bubbler             | 11/2/16 5:38 AM    | None Detected                 |
| 4065-110216-KS-005-A  | Initial Draw sample; Kindergarten Sink with bubbler in Rm 204; Sampled bubbler      | 11/2/16 5:31 AM    | None Detected                 |
| 4065-110216-KS-005-B  | Flush sample; Kindergarten Sink with bubbler in Rm 204; Sampled bubbler             | 11/2/16 5:32 AM    | None Detected                 |
| 4065-110216-KS-006-A  | Initial Draw sample; Kindergarten Sink with bubbler in Rm 202; Sampled bubbler      | 11/2/16 5:25 AM    | 1.90                          |
| 4065-110216-KS-006-B  | Flush sample; Kindergarten Sink with bubbler in Rm 202; Sampled bubbler             | 11/2/16 5:26 AM    | None Detected                 |
| 4065-110216-RS-001-A  | Initial Draw sample; Girls RR near Rm 109; Sampled sink farthest from door          | 11/2/16 5:45 AM    | None Detected                 |
| 4065-110216-RS-001-B  | Flush sample; Girls RR near Rm 109; Sampled sink farthest from door                 | 11/2/16 5:46 AM    | None Detected                 |
| 4065-110216-RS-002-A  | Initial Draw sample; Boys RR near Rm 109; Sampled sink farthest from door           | 11/2/16 5:48 AM    | None Detected                 |
| 4065-110216-RS-002-B  | Flush sample; Boys RR near Rm 109; Sampled sink farthest from door                  | 11/2/16 5:49 AM    | None Detected                 |

## **Rowland Elementary School**



1317 S. Indian Creek Drive, Stone Mountain, GA 30083

| Sample ID*           | Sample Location Description   | Sample Date & Time | Lead Test<br>Results<br>(ppb) |
|----------------------|---|--------------------|-------------------------------|
| 4065-110216-TL-001-A | Initial Draw sample; Kitchen style sink in Faculty Lounge Rm 107.1    | 11/2/16 5:52 AM    | None Detected                 |
| 4065-110216-TL-001-B | Flush sample; Kitchen style sink in Faculty Lounge Rm 107.1           | 11/2/16 5:53 AM    | None Detected                 |
| 4065-110216-CS-001-A | Initial Draw sample; Only Food Prep sink in Kitchen                   | 11/2/16 5:13 AM    | None Detected                 |
| 4065-110216-CS-001-B | Flush sample; Only Food Prep sink in Kitchen                          | 11/2/16 5:14 AM    | None Detected                 |
| 4065-110216-IM-001-A | Scotsman Ice Machine in Kitchen                                       | 11/2/16 5:17 AM    | None Detected                 |
| 4065-110216-SC-001-A | Not Sampled; DeKalb Watershed unable to locate the Service Connection | NS                 | NS                            |
| 4065-040517-SC-001-A | Service Connection Entry into Building                                | 4/5/17 5:14 AM     | None Detected                 |

#### Notes:

ppb-parts per billion

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

NS-Not Sampled; Source Unit was inoperable during initial testing on 11/2/16.

<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:** 

**ROWLAND ELEMENTARY FACILITY** 

FACILITY ID:

4065

| DATE    | TIME | SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type) | NEAREST<br>ROOM | LOCATION<br>(circle) | DESCRIPTION                            | SAMPLER<br>INIT. |
|---------|------|---|-----------------|----------------------|--|------------------|
| 11/2/16 | 0514 | 4065 - 110216 - DF-003 - A  | 104             | In room<br>Hallway   | Casis wall mounted<br>lower lest       | 9                |
| 11/2/16 | 0515 | 4065 - 110216 - DF - 003 - B  |                 | In room              | A.                                     | CD               |
| 11/2/16 | 0316 | 4065 - 110216 - DF - 004-A  |                 | In room<br>Hallway   | Oasis wall mounted upper right         |                  |
| 11/2/16 | 0517 | 4065 - 110216 - DF · 004 - B  | <b>1</b>        | In room<br>Hallway   | NC .                                   | CH               |
| 11/2/16 | 0525 | 4065 - 110216 - KS-006 - A  | 202             | In room<br>Hallway   | Sink w/ bubbler<br>Sample from bubbler | CD.              |
| 11/2/16 | 0526 | 4065 - 110216 - KS-006 - B  | 14              | In room<br>Hallway   | -1                                     | 0                |
| 11/2/16 | 0531 | 4065 - 110216 - KS-005-A  | 204             | In room<br>Hallway   | (1)                                    | CO               |
| 11/2/16 | 0532 | 4065 - 110216 - KS-005-B  | Ч               | In room<br>Hallway   | 15                                     | off              |
| 11/2/16 | 0531 | 4065 - 110216 - KS-004-A  | 205             | In room<br>Hallway   | i.                                     | CA               |
| 11/2/16 | 0538 | 4065 - 110216 - KS.004-B  | Ne.             | In room<br>Hallway   |  | erg              |

FACILITY NAME:

ROWLAND ELEMENTARY FACILITY

FACILITY ID:

4065

| DATE    | TIME  | SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type) | NEAREST<br>ROOM | LOCATION<br>(circle) | DESCRIPTION                            | SAMPLER<br>INIT. |
|---------|-------|---|-----------------|----------------------|--|------------------|
| 11/2/16 | 0543  | 4065 - 110216 - KS - 003 - A  | 206             | In room<br>Hallway   | Sink w/ bubbler<br>Sample from bubbler | CD)              |
| 11/2/16 | 05 44 | 4065 - 110216 - KS-003-B  | l\              | In room<br>Hallway   | K                                      | CO               |
| 11/2/16 | 0550  | 4065 - 110216 - DF-011- A   | across frem     | In room<br>Hallway   | Elkay wall monted upper left           | 4)               |
| 11/2/16 | 0551  | 4065 - 110216 - DF - OGI - B  | / =             | In room<br>Hallway   | C <sub>1</sub>                         | 0                |
| 11/2/16 | 0554  | 4065 - 110216 - DF-010-A  | 1.4             | In room<br>Hallway   | Elkay wallmounted<br>lower right       | 8                |
| 11/2/16 | 0555  | 4065 - 110216 - DF-010 · B  | I.              | In room<br>Hallway   | (*                                     | 00               |
| 11/2/16 | 0600  | 4065 - 110216 - KS-003 - A  | 210             | In room<br>Hallway   | Sink no bubbler<br>Sample from Sink    | 0)               |
| 11/2/16 | 0001  | 4065 - 110216 - KS-002-B  | 1.5             | In room<br>Hallway   | ii .                                   | co               |
| 11/2/16 |       | 4065 - 110216 -   |                 | In room<br>Hallway   |  |                  |
| 11/2/16 |       | 4065 - 110216 -   |                 | In room<br>Hallway   |  |                  |

FACILITY NAME:

ROWLAND ELEMENTARY FACILITY

FACILITY ID:

4065

| D   | ATE   | TIME | SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type) | NEAREST<br>ROOM | LOCATION (circle)  | DESCRIPTION                         | SAMPLER<br>INIT. |
|-----|-------|------|---|-----------------|--------------------|-------------------------------------|------------------|
| 11/ | /2/16 | 0604 | 4065 - 110216 - KS-001 - A  | 211             | In room<br>Hallway | Sink no bubbler<br>Sample from sink | CJ .             |
| 11/ | /2/16 | 0606 | 4065 - 110216 - KS-001 - B  | • (             | la room<br>Hallway | 17                                  | 0                |
| 11/ | /2/16 | 0605 | 4065 - 110216 - KS - GO \ - C                                       | e (             | In room<br>Hallway | duplicate of KS-001-A               | CO .             |
| 11/ | /2/16 | 0612 | 4065 - 110216 - DF-002 - A  | Gym<br>Entrance | In room<br>Hallway | Oakis wall-monted upper right       | A                |
| 11/ | /2/16 | 0613 | 4065 - 110216 - DF-002-B  | M               | dn room<br>Hallway | 15                                  | 07               |
| 11/ | /2/16 |      | 4065 - 110216 - DF - 001- A   | <b>१</b> =      | In room<br>Hallway | not in service                      |                  |
| 11/ | /2/16 | _    | 4065 - 110216 - DF-001-B  | $r_1$           | In room<br>Hallway | not Sampled                         |                  |
| 11/ | /2/16 |      | 4065 - 110216 -   |                 | In room<br>Hallway |                                     |                  |
| 11/ | /2/16 |      | 4065 - 110216 -   |                 | In room<br>Haliway |                                     |                  |
| 11/ | /2/16 |      | 4065 - 110216 -   |                 | In room<br>Hallway |                                     |                  |

FACILITY NAME:

**ROWLAND ELEMENTARY FACILITY** 

FACILITY ID:

4065

| DATE    | TIME          | SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type) | NEAREST<br>ROOM | LOCATION<br>(circle) | DESCRIPTION                  | SAMPLER<br>INIT. |
|---------|---------------|---|-----------------|----------------------|------------------------------|------------------|
| 11/2/16 | 0513          | 4065 - 110216 - CS - OO ( - /}                                      | Kitchen         | In room<br>Hallway   | Food prep sink               | TR               |
| 11/2/16 | 0514          | 4065 - 110216 - CS - 001-B  | U(              | la room<br>Hallway   | ۷ (                          | TR               |
| 11/2/16 | 0517          | 4065 - 110216 - TM-001-A  | Kitcher         | n room<br>Hallway    | Scotsman ice                 | 72               |
| 11/2/16 | Not<br>Sample | 4065 - 110216 - DF - O(2  | Cofeteria       | In room<br>Hallway   | inoperable casis             | TK               |
| 11/2/16 | Sample        | 4065 - 110216 - 0 1 -0 13   | l (             | In room<br>Hallway   | in operable lower left pasis | TR               |
| 11/2/16 | 0529          | 4065 - 110216 - DF -005 - A   | Cofeleria       | In room<br>Haliway   | lower left Dasis             | TR               |
| 11/2/16 | 0530          | 4065 - 110216 - DF - 005 - B  | (1              | In room<br>Hallway   | U.                           | TR               |
| 11/2/16 | 0531          | 4065 - 110216 - DF - 00 S - C                                       | l °             | In room<br>Hallway   | duplicate of<br>DF-005-B     | CR               |
| 11/2/16 | 0534          | 4065 - 110216 - DF -006 - A   | Cateloria       | In room<br>Hallway   | upper right Dasis            | TR               |
| 11/2/16 | 0<35          | 4065 - 110216 - DF - 006 - B  | 1 *             | In room<br>Hallway   | Upper right Dasis            | TR               |

FACILITY NAME: ROWLAND ELEMENTARY FACILITY FACILITY 4065

| DATE    | TIME | SAMPLE ID<br>(Facility ID-Date-Location Type-Sequential #-Sample Type) | NEAREST<br>ROOM   | LOCATION (circle)  | DESCRIPTION                          | SAMPLER<br>INIT. |
|---------|------|--|-------------------|--------------------|--------------------------------------|------------------|
| 11/2/16 | 0538 | 4065 - 110216 - DF-007 - A   | 109<br>Spec. Ed.  | In room<br>Hallway | Lower left Casis                     | TR               |
| 11/2/16 | 0539 | 4065 - 110216 - DF -007 - B  | · · ·             | In room<br>Hallway | CC .                                 | TP               |
| 11/2/16 | 0541 | 4065 - 110216 - DF-008-A   | u                 | In room<br>Hallway | apper right                          | TR               |
| 11/2/16 | 0542 | 4065 - 110216 - DF-008-B   | į (               | In room<br>Hallway | L.                                   | TR               |
| 11/2/16 | 0545 | 4065 - 110216 - PS -001-A  | ١(                | In room<br>Hallway | Girls' RR<br>sink forthart from door | TR               |
| 11/2/16 | 0546 | 4065 - 110216 - RS-00(-B   | U                 | In room<br>Hallway | i,                                   | TL               |
| 11/2/16 | 0548 | 4065 - 110216 - 25-002-4   | ι(                | In room<br>Hallway | Boy's RR<br>sink forthest from door  | TR               |
| 11/2/16 | 0549 | 4065 - 110216 - RS-002 - B   | U                 | In room<br>Hallway | L^                                   | Ce               |
| 11/2/16 | 0552 | 4065 - 110216 - TL-001- A  | Faculty<br>Lounce | ln room<br>Hallway | Kitchen-style<br>Sink                | TE               |
| 11/2/16 | 0553 | 4065 - 110216 - TL - 00  - B   | (107.1)           | In room<br>Hallway | и                                    | TR               |

FACILITY NAME: ROWLAND ELEMENTARY FACILITY FACILITY ID: 4065

| DATE    | TIME | SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type) | NEAREST<br>ROOM               | LOCATION<br>(circle) | DESCRIPTION                      | SAMPLER INIT. |
|---------|------|---|-------------------------------|----------------------|----------------------------------|---------------|
| 11/2/16 | 0559 | 4065 - 110216 - DF -009-A   | 120.11<br>Basement<br>Storage | In room<br>Hallway   | wall-mount water<br>discolored   | TR            |
| 11/2/16 | A 1  | 4065 - 110216 - DF-009-B  | iı                            | lar room<br>Hailway  |                                  | TR            |
| 11/2/16 | Not  | 4065 - 110216 - SC-001-A  |                               | In room<br>Hallway   | watershed to unable to locate sc | 7/            |
| 11/2/16 |      | 4065 - 110216 -   |                               | In room<br>Hallway   |                                  |               |
| 11/2/16 |      | 4065 - 110216 -   |                               | In room<br>Hallway   |                                  |               |
| 11/2/16 |      | 4065 - 110216 -   |                               | In room<br>Hallway   |                                  |               |
| 11/2/16 |      | 4065 - 110216 -   |                               | In room<br>Hallway   |                                  |               |
| 11/2/16 |      | 4065 - 110216 -   |                               | In room<br>Hallway   |                                  |               |
| 11/2/16 |      | 4065 - 110216 -   |                               | In room<br>Hallway   |                                  |               |
| 11/2/16 |      | 4065 - 110216 -   |                               | In room<br>Hallway   |                                  |               |

**FACILITY NAME:** 

**ROWLAND ELEMENTARY FACILITY** 

FACILITY ID:

4065

| DATE   | TIME | SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type) | NEAREST<br>ROOM     | LOCATION<br>(circle) | DESCRIPTION                             | SAMPLER<br>INIT.   |
|--------|------|---|---------------------|----------------------|---|--|
| 4/5/17 | 0514 | 4065 - 040517 - SC-001-A  | Boiler<br>Rm        | In room<br>Hallway   | Boiler Km sink Sampled out back of room | 0  |
| 4/5/17 | 0517 | 4065 - 040517 - DF-012-A  | Cafeteria           | Hallway              | upper right Oasisjum                    |  |
| 4/5/17 | 0518 | 4065 - 040517 - DF-012-B  |                     | ₫n room<br>Hallway   |   | The state of the s |
| 4/5/17 | 0519 | 4065 - 040517 - DF-013-A  | Cafeteria           | In room<br>Hallway   | Lower Left Oasis; WM                    |  |
| 4/5/17 | 0520 | 4065 - 040517 - DF-013-B  |                     | In room<br>Hallway   |   |  |
| 4/5/17 | 0523 | 4065 - 040517 - DF-009-A  | Basement<br>Storage | in room<br>Hallway   | single Elkay; WM                        | C. L. 100 T. L.  |
| 4/5/17 | 0524 | 4065 - 040517 - DF-009-B  | ``                  | In room<br>Hallway   |   |  |
| 4/5/17 | 0528 | 4065 - 040517 - DF-COI-A  | Gym<br>Entrance     | ln room<br>Hallway   | Oasis; lower left; WM                   |  |
| 4/5/17 | 0529 | 4065 - 040517 - DF-001-B  |                     | in room<br>Hallway   |   |  |
| 4/5/17 |      | 4065 - 040517 -   |                     | In room<br>Hallway   |   |  |

FACILITY NAME:

ROWLAND ELEMENTARY FACILITY

ADDRESS: 1317 S Indian Creek Drive Stone Mtn, GA, 30083

FACILITY ID:

4065

| DATE     | TIME | SAMPLE ID (Facility ID-Date-Location Type-Sequential #-Sample Type) | NEAREST<br>ROOM    | LOCATION (circle)  | DESCI     | RIPTION | SAMPLER INIT. |
|----------|------|---|--------------------|--------------------|-----------|---------|---------------|
| 10/20/17 | 0502 | 4065 - 102017 - <b>DF- 009-</b> Д                                   | 120.1<br>(Storage) | h room<br>Hallway  | wallmount | Elkay   | TR            |
| 10/20/17 | 0503 | 4065 - 102017 - DF-009 - B  | ų                  | Hallway            | c t       |         | TR            |
| 10/20/17 |      | 4065 - 102017 -   |                    | In room<br>Hallway |           |         |               |
| 10/20/17 |      | 4065 - 102017 -   |                    | In room<br>Hallway |           |         |               |
| 10/20/17 |      | 4065 - 102017 -   |                    | In room<br>Hallway |           |         |               |
| 10/20/17 |      | 4065 - 102017 -   |                    | In room<br>Hallway |           |         |               |
| 10/20/17 |      | 4065 - 102017 -   |                    | In room<br>Hallway |           |         |               |
| 10/20/17 |      | 4065 - 102017 -   |                    | In room<br>Hallway |           |         |               |
| 10/20/17 |      | 4065 - 102017 -   |                    | In room<br>Hallway |           |         |               |
| 10/20/17 |      | 4065 - 102017 -   |                    | In room<br>Hallway |           |         |               |

# ATTACHMENT B AES Laboratory Analytical Report



#### **Leona Miles**

From: NoReply@aesatlanta.net

Sent: Wednesday, November 16, 2016 2:11 PM

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

Subject: DCSD - 4065

**Attachments:** 1611147\_REPORT.pdf; 1611147Invoice.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 16, 2016

Leona Miles Atlanta Environmental Mgmt 2580 NE Expresswav Atlanta GA 30345

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

RE: DCSD - 4065

Dear Leona Miles: Order No: 1611147

Analytical Environmental Services, Inc. received 43 samples on 11/2/2016 8:52:00 AM for the analyses presented in following report.

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

AES's accreditations are as follows:

- -NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
- -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

CHAIN OF CUSTODY

| Work Order: |     | 161 | ı | lu | 1   |
|-------------|-----|-----|---|----|-----|
| Work Order. | - 1 | W   | 1 | 4  | . ( |

A E S

3080 Presidential Drive, Atlanta GA 30340-3704

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

| 1.1.          |      |   |    | 11 |
|---------------|------|---|----|----|
| Date: 11/2/16 | Page | 1 | of | 4  |

| COMPANY:  | Atlanta Environmental Management, Inc          | 2580 Northeast Expressway, NE Atlanta, GA 30345    |             |                    | ANALYSIS REQUESTED  |  |                       |       |        |      |       |       |            | Visit our website |            |  |   |                    |
|---|--|--|-------------|--------------------|---|--|-----------------------|-------|--------|------|-------|-------|------------|-------------------|------------|--|---|--------------------|
|   |  |  | Atlanta, GA | 30345              |   |  | 8.002                 |       |        |      |       |       |            |                   |            |  | www.aesatlanta.com  | - 1                |
| PHONE:  | (404) 329-9006                                 | FAX:   | (404) 329   | -2057              | ,   |  | thod 2                |       |        |      |       |       |            |                   |            |  | your results, place bottl   | 1 . 1              |
| SAMPLED BY:   | Tim Royer                                      | SIGNATURE:   | 3           | - Chillian College | 3   |  | Total Pb Method 200.8 |       |        |      |       |       |            |                   |            |  | orders, etc.  | No # of Containers |
| #   | SAMPLE ID                                      | SAN  | MPLED       |                    | Composite   | Matrix<br>(See codes)  | Tota                  |       |        | F    | PRESI | ERVAT | NOI?       | See code          | es)        |  |   | No # 0             |
|   |  | DATE   | TIME        | Grab               | Сотр  | Matri<br>(See o  | I                     |       |        |      |       |       |            |                   |            |  | REMARKS   |                    |
| 1   | 4065-110216-DF-001-A                           | 11/2/2016  |             | X                  | والمتنافظ | DW   |                       |       |        |      |       |       |            |                   |            |  | not collected   |                    |
| 14-2-   | 4065-110216-DF-001-B                           | 11/2/2016  |             | X                  |   | -DW-   |                       |       |        |      |       |       |            |                   |            |  | not collected   |                    |
| 3   | 4065-110216-DF-002-A                           | 11/2/2016  | 0612        | X                  |   | DW   | X                     |       |        |      |       |       |            |                   |            |  |   | ***                |
| 4   | 4065-110216-DF-002-B                           | 11/2/2016  | 0613        | X                  |   | DW   | X                     |       |        |      |       |       |            |                   |            |  |   | (                  |
| 5   | 4065-110216-DF-003-A                           | 11/2/2016  | 0514        | X                  |   | DW   | X                     |       |        |      |       |       |            |                   |            |  |   | (                  |
| 6   | 4065-110216-DF-003-B                           | 11/2/2016  | 0515        | X                  |   | DW   | X                     |       |        |      |       |       |            |                   |            |  |   |                    |
| 7   | 4065-110216-DF-004-A                           | 11/2/2016  | 051b        | X                  |   | $\mathbf{DW}$  | X                     |       |        |      |       |       |            |                   |            |  |   | (                  |
| . 8   | 4065-110216-DF-004-B                           | 11/2/2016  | 0517        | X                  |   | DW   | X                     |       |        |      |       |       |            |                   |            |  |   | (                  |
| 9   | 4065-110216-DF-005-A                           | 11/2/2016  | 0529        | X                  |   | DW   | X                     |       |        |      |       |       |            |                   |            |  |   | (                  |
| 10  | 4065-110216-DF-005-B                           | 11/2/2016  | 0530        | X                  |   | DW   | ×                     |       |        | ĺ    |       |       |            |                   |            |  |   | · ·                |
| 11  | 4065-110216-DF-005-C                           | 11/2/2016  | 0531        | X                  |   | DW   | X                     |       |        |      |       |       |            |                   |            |  |   | Carlot Carlot      |
| 12  | 4065-110216-DF-006-A                           | 11/2/2016  | 0534        | X                  |   | DW   | Х                     |       |        |      |       |       |            |                   |            |  |   | · coa              |
| 13  | 4065-110216-DF-006-В                           | 11/2/2016  | 0535        | X                  |   | DW   | Х                     |       |        |      |       |       |            |                   |            |  |   | departs.           |
| 14  | 4065-110216-DF-007-A                           | 11/2/2016  | 0533        | X                  |   | DW   | ×                     |       |        |      |       |       |            |                   |            |  |   |                    |
| 15  | 4065-110216-DF-007-B                           | 11/2/2016  | 0539        | X                  |   | DW   | X                     |       |        |      |       |       |            |                   |            |  |   | i                  |
| RELINQUISHED  | BY DATE/TIME                                   | RECEIVED B   | Y           |                    | ]   | DATE/TIME  |                       |       |        | F    | PROJ  | ECT I | VFOR       | MATIC             | N          |  | RECEIPT   |                    |
|   | -3 u/2/16 0828                                 | 1: West  |             | 12/1               | l. 08   | 28   | PROJ                  | ECT N | AME:   | I    | DCS   |       |            |                   |            |  | <br>Total # of Containers   |                    |
| 2:<br>Misa  | 1/2/16 0852                                    | 2: /   | . Alain     | . Ìi               | 12 11 1.  | 8:52   | PROJ                  |       |        |      | 1     | 561-1 | 601<br>065 |                   |            |  | Turnaround Time Reques  |                    |
| 3:  | 2 14410 0000                                   | Jerrier Milly 11/2/16 am                           |             |                    |   | um   | <u> </u>              | ADDR  | DRT TO | )· I | Leor  |       |            | nd T              | im Ro      | ver  | Standard 5 Business Days 2 Business Day Rush Next Business Day Rush |                    |
| SPECIAL INSTRU  | OUT /  | SHIPMENT   | METHO       | D                  |   | INVO   | ICE TO                |       |        |      |       |       |            |                   | - <u>y</u> | Same Day Rush (auth rec<br>Other: 10 business Days | <b>j.</b> )   |                    |
| Preserve at the Lab per protocol  IN VIA: CLIENT FedEx UPS MAIL COURIER |  |  |             |                    | UER   | leona-miles@aem-net.com; tim-royer@aem-net.com  STATE PROGRAM (if any):  E-mail? Y/N; Fax? Y/N |                       |       |        |      |       |       |            |                   |            |  |   |                    |
|   | GREYHOUND OTHER                                |  |             |                    |   |  | QUOT                  | ΓE #: |        |      |       |       | P          | O#:               |            |  | DATA PACKAGE; I II III  | 1                  |
|   |  | AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS |             |                    |   |  |                       | ED O  | N COC  | AES  | WILI  | L PRO | CEED       | AS ST             | ANDAF      | RD TAT.  |   |                    |
| SAMPLES ARE I   | DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT | UNLESS OTHE  | ER ARRANGEM | ENTS A             | RE MAD  | E.   |                       |       |        |      |       |       |            |                   |            |  |   |                    |

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

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

ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

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

Work Order:

Date:

ADDRESS: COMPANY: ANALYSIS REQUESTED Atlanta Environmental Management, Inc 2580 Northeast Expressway, NE Visit our website Atlanta, GA 30345 www.aesatlanta.com Total Pb Method 200.8 to check on the status of PHONE: FAX: (404) 329-2057 No # of Containers (404) 329-9006 your results, place bottle SAMPLED BY: SIGNATURE: orders, etc. SAMPLED Matrix (See codes) PRESERVATION (See codes) SAMPLE ID REMARKS DATE TIME 4065-110216-DF-008-A  $\mathbf{X}$ DW 11/2/2016 4065-110216-DF-008-B 542  $\mathbf{X}$ DW 11/2/2016 2 0559 4065-110216-DF-009-A  $\mathbf{X}$ 11/2/2016 DW 3 4065-110216-DF-009-B 0600 × X DW 11/2/2016 X 4065-110216-DF-010-A .5 11/2/2016 X DW 4065-110216-DF-010-B 11/2/2016 X DW 6 7 4065-110216-DF-011-A 11/2/2016 X DW  $\mathbf{X}$ 4065-110216-DF-011-B DW 8 11/2/2016 4065-110216-KS-001-A 0604  $\mathbf{X}$ DW 11/2/2016 0606  $\mathbf{X}$ 4065-110216-KS-001-B DW10 11/2/2016 4065-110216-KS-001-C 0605 X DW11 11/2/2016 n 600 12 4065-110216-KS-002-A 11/2/2016 X DW 0601 4065-110216-KS-002-B DW13 11/2/2016 X 4065-110216-KS-003-A  $\mathbf{X}$ 14 DW 11/2/2016 4065-110216-KS-003-B DW 15 11/2/2016 RELINOUISHED BY DATE/TIME RECEIVED BY DATE/TIME PROJECT INFORMATION RECEIPT PROJECT NAME: Total # of Containers DCSD 8:52 1561-1601 PROJECT #: Turnaround Time Request 0 am 4065 SITE ADDRESS: Standard 5 Business Days 0 2 Business Day Rush Leona Miles and Tim Royer SEND REPORT TO: O Next Business Day Rush O SPECIAL INSTRUCTIONS/COMMENTS: SHIPMENT METHOD INVOICE TO: Same Day Rush (auth req.) (IF DIFFERENT FROM ABOVE) Other: 10 business Days OUT VIA: Preserve at the Lab per protocol VIA: leona-miles@aem-net.com; tim-royer@aem-net.com STATE PROGRAM (if any): CLIENT FedEx UPS MAIL COURIER E-mail? Y/N: Fax? Y/N GREYHOUND OTHER QUOTE #: DATA PACKAGE: I II III IV SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT. SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.

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

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

Page 3 of 53

CHAIN OF CUSTODY

Work Order: (WILLY)

AES

3080 Presidential Drive, Atlanta GA 30340-3704

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

| Date: | 2     | 16 | Page 3 | of | 4 |
|-------|-------|----|--------|----|---|
|       | <br>_ | -  |        |    |   |

| COMPANY:  | Atlanta Environmental Management, Inc  | Address: 2580 Northeast Expressway, NE          |                                       |                 |                                |                       |  |        |          | Αì     | NALY   | SIS RI   | EQUE    | STED   |          |                        |   | Visit our website                           |                      |  |
|---|--|---|---------------------------------------|-----------------|--------------------------------|-----------------------|--|--------|----------|--------|--------|----------|---------|--------|----------|------------------------|---|---|----------------------|--|
|   |  |   | Atlanta, GA                           | 30345           |                                |                       | 8.003                                    |        |          |        |        |          |         |        |          |                        |   | www.aesatlanta.com o check on the status of |                      |  |
| PHONE:  | (404) 329-9006   | FAX:  | (404) 329                             | 9-2057          | 1                              |                       | ethod 2                                  |        |          |        |        |          |         |        |          |                        | 1   | our results, place bottle                   | iners                |  |
| SAMPLED BY:   | Tim Rover  | SIGNATURE:                                      | )                                     | -               | 2_                             |                       | Total Pb Method 200.8                    |        |          |        |        |          |         |        |          |                        |   | orders, etc.                                | No # of Containers   |  |
|   | (  | SAN   | IPLED                                 | ]               | ite                            | (s)                   | Tota                                     |        |          |        |        |          | <u></u> |        |          |                        |   |   | No # oN              |  |
| #   | SAMPLE ID  | DATE  | TIME                                  | Grab            | Composite                      | Matrix<br>(See codes) | ľ  | П      |          | PR     | ESER   | ATIO:    | N (See  | codes) | T        |                        |   | REMARKS                                     |                      |  |
| 1   | 4065-110216-KS-004-A   | 11/2/2016                                       | 0537                                  | X               | Ŭ                              | DW                    | X  | $\Box$ |          |        |        | <u> </u> | T       | $\Box$ | $\dashv$ |                        | +   |   |                      |  |
| 2   | 4065-110216-KS-004-B   | 11/2/2016                                       | 0538                                  | X               |                                | DW                    | Y  |        |          |        |        |          |         |        |          |                        |   |   | Maddib               |  |
| 3   | 4065-110216-KS-005-A   | 11/2/2016                                       | 0531                                  | X               |                                | DW                    | ×  |        |          |        |        |          |         |        |          |                        |   |   | 100                  |  |
| 4   | 4065-110216-KS-005-В   | 11/2/2016                                       | 0532                                  | X               |                                | DW                    | У  |        |          |        |        |          |         |        |          |                        |   |   | Prognet              |  |
| 5   | 4065-110216-KS-006-A   | 11/2/2016                                       | 0525                                  | X               |                                | DW                    | Ж  |        |          |        |        |          |         |        |          |                        |   |   |                      |  |
| 6   | 4065-110216-KS-006-B   | 11/2/2016                                       | 0526                                  | X               |                                | DW                    | ×  |        |          |        |        |          |         |        |          |                        |   |   | or of the space      |  |
| 7   | 4065-110216-RS-001-A   | 11/2/2016                                       | 0545                                  | X               |                                | DW                    | ×  |        |          |        |        |          |         |        |          |                        |   |   | Į.                   |  |
| 8   | 4065-110216-RS-001-B   | 11/2/2016 0546 X D                              |                                       |                 |                                |                       | X.                                       |        |          |        |        |          |         |        |          |                        |   |   | Monance              |  |
| 9   | 4065-110216-RS-002-A   | 11/2/2016                                       | 0548                                  | X               |                                | DW                    | ×  |        |          |        |        |          |         |        |          |                        |   |   | 100                  |  |
| 10  | 4065-110216-RS-002-B   | 11/2/2016                                       | 0549                                  | X               |                                | DW                    | ×  |        |          |        |        |          |         |        |          |                        |   |   | 31464                |  |
| 11  | 4065-110216-CS-001-A   | 11/2/2016                                       | 05/3                                  | X               |                                | DW                    | ×  |        |          |        |        |          |         |        |          |                        |   |   | z <sub>ee</sub> eeee |  |
| 12  | 4065-110216-CS-001-B   | 11/2/2016                                       | 0514                                  | X               |                                | DW                    | ×  |        |          |        |        | <u> </u> |         |        |          |                        |   |   | 4                    |  |
| . 13  | 4065-110216-IM-001-A   | 11/2/2016                                       | 0517                                  | X               |                                | DW                    | X  |        |          |        |        |          |         |        |          |                        |   |   | agas (197)           |  |
| ( H   | 4065-110216-SC-001-A   | 11/2/2016                                       |                                       | -X-             | Managalah (Si Calmana) (Si Cal | DW                    | and the same                             |        |          |        |        |          |         |        |          |                        |   | not collected                               |                      |  |
| 15  | C V mangagagan haga mammala mengapan selek mangalan selek kengan Ciki diki kelada dan Ciki diki kelada diki diki k |   |                                       |                 |                                |                       |  |        |          |        |        |          |         |        |          |                        |   |   |                      |  |
| RELINQUISHED  | BY DATE/TIME   | RECEIVED B                                      | Y                                     |                 | 1                              | DATE/TIME             | DP ()                                    | ECT N  | AME      | PI     | OJEC   | T INF    | ORMA    | TION   |          |                        |   | RECEIPT                                     |                      |  |
|   | - 7 (1/2/14 0828   | Here  | er II                                 | 121             | 16 0                           | 1888                  | IKOJ                                     | LCI N  | TIVIL.   | D      | CSD    |          |         |        |          |                        |   | Total # of Containers                       |                      |  |
| 2:  | 11/2/16 0852   | 2: (  | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 11              | 1-2 111                        | 8:25                  | PROJ                                     | ECT#:  |          |        | 156    | 1-160    |         |        |          |                        |   | Turnaround Time Request                     |                      |  |
| 11/11/20  | er 11/4/16 000C  | Jema  | in Almu                               | <del>% !!</del> | 16/16                          | oam                   | SITE                                     | ADDRI  | ESS:     |        |        | 406      | 5       |        |          |                        |   | Standard 5 Business Days                    |                      |  |
| J. 1  |  |   |                                       |                 |                                |                       | SENE                                     | REPO   | RT TO    | : L    | eona   | Mile     | s and   | l Tim  | Roy      | er                     |   | 2 Business Day Rush Next Business Day Rush  |                      |  |
| SPECIAL INSTRU  | JCTIONS/COMMENTS:  | SHIPMENT METHOD OUT / / VIA:                    |                                       |                 |                                |                       | INVOICE TO:<br>(IF DIFFERENT FROM ABOVE) |        |          |        |        |          |         |        |          |                        | Same Day Rush (auth req.) Other: 10 business Days |   |                      |  |
| Preserve at the Lab per protocol  IN VIA: CLIENT FedEx UPS MAIL |  |   | L COUI                                | RIER            |                                | leona-r               | niles@                                   | aem-ne | t.com; t | im-roy | er@aen | 1-net.co | m       |        |          | TATE PROGRAM (if any): |   |   |                      |  |
|   | GREYHOUND OTHER  |   |                                       |                 |                                |                       | QUO:                                     | ΓE #:  |          |        |        |          | PO#:    |        |          |                        |   | ATA PACKAGE: I II III                       | IV                   |  |
|   | EIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS R  | RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS |                                       |                 |                                |                       | MARK                                     | ED ON  | COC      | AES V  | VILL P | ROCE     | ED AS   | STAN   | DARD     | TAT.                   |   |   |                      |  |

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

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

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CHAIN OF CUSTODY

| Work Order: | 161114 |
|-------------|--------|
|-------------|--------|

3080 Presidential Drive, Atlanta GA 30340-3704

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

Date: 11/2/16 Page 4 of 4

| COMPANY:                         | Atlanta Environmental Management, Inc          | ADDRESS:   | 2580 Northe |         | oresswa   | y, NE                 | ANALYSIS REQUESTED                             |        |        |             |      |       |        |         |         |                           |  |     | Visit our website                                     |                  |
|----------------------------------|--|------------|-------------|---------|-----------|-----------------------|--|--------|--------|-------------|------|-------|--------|---------|---------|---------------------------|--|-----|---|------------------|
|                                  |  |            | Atlanta, GA | 30345   |           |                       | 8.00   |        |        |             |      |       |        |         |         |                           |  | 1 - | www.aesatlanta.com                                    |                  |
| PHONE;                           | (404) 329-9006                                 | FAX:       | (404) 329   | -2057   | ,         |                       | ethod 2  |        |        |             |      |       |        |         |         |                           |  | - 1 | o check on the status of<br>our results, place bottle | iners            |
| SAMPLED BY:                      | Tim Royer                                      | SIGNATURE: | )           | 1112    | 2         |                       | Total Pb Method 200.8                          |        |        |             |      |       |        |         |         |                           |  |     | orders, etc.  | No#of Containers |
| #                                | a Marke In                                     | SAN        | MPLED       |         | ite       | [es]                  | Tota   |        |        |             | BEGE | DVAZ  | ON (S  |         | $\perp$ |                           |  |     |   | No # 0N          |
| #                                | SAMPLE ID                                      | DATE       | TIME        | Grab    | Composite | Matrix<br>(See codes) |  |        |        | T           | KESE | T     | ION (S | 1       | es)     | T                         |  | -   | REMARKS   |                  |
| 1                                | 4065-110216-TL-001-A                           | 1/2/16     | 0552        | メ       | Ŭ         | DW                    | Χ  |        |        |             |      |       |        |         |         |                           |  |     |   | (                |
| 2                                | 4065-110216-TL-001-A<br>4065-110216-TL-001-B   | 1/2/16     | 0553        | ×       |           | DW                    | ×  |        |        |             |      |       |        |         |         |                           |  |     |   | (                |
| 3                                |  |            |             |         |           |                       |  |        |        |             |      |       |        |         |         |                           |  |     |   |                  |
| 4                                |  |            |             |         |           |                       |  |        |        |             |      |       |        | $\perp$ |         | _                         |  |     | 310000000000000000000000000000000000000               |                  |
| 5                                |  |            |             |         |           |                       |  |        |        |             |      |       |        |         |         |                           |  |     |   |                  |
| 6                                |  |            |             |         |           |                       |  |        |        | _           |      |       | _      | $\perp$ |         |                           |  |     |   |                  |
| 7                                |  |            |             |         |           |                       |  |        |        | $\perp$     |      |       |        |         |         |                           |  |     |   |                  |
| 8                                |  |            |             |         |           |                       |  |        |        |             |      |       |        |         |         | _                         |  |     |   |                  |
| 9                                |  |            |             |         |           |                       |  |        |        |             |      |       |        |         |         |                           |  |     |   |                  |
| 10                               |  |            |             |         |           |                       |  |        |        |             |      | _     |        |         |         |                           |  |     |   |                  |
| 11                               |  |            |             |         |           |                       |  |        |        |             |      |       |        |         |         |                           |  |     |   |                  |
| 12                               |  |            |             |         |           |                       |  |        |        |             |      |       |        |         |         |                           |  |     |   |                  |
| 13                               |  |            |             |         |           |                       |  |        |        |             |      |       |        |         |         |                           |  |     |   |                  |
| 14                               |  |            |             |         |           |                       |  |        |        |             |      |       |        |         |         |                           |  |     |   |                  |
| 15                               |  |            |             |         |           |                       |  |        |        |             |      |       |        |         |         |                           |  |     |   |                  |
| RELINQUISHED I                   | BY DATE/TIME                                   | RECEIVED B | Y           |         | Γ         | DATE/TIME             | DD ()  | ECT N  | AME    | P           | ROJE | CT I  | FOR    | MATI    | NC      |                           |  |     | RECEIPT   |                  |
|                                  | - 3 w/2/16 0828                                | H/4231     | c 11/3      | 2/16    | 08        | 28                    | I KOJ  | LCIN   | AIVIE. | I           | CS   | D     |        |         |         |                           |  |     | Total # of Containers                                 |                  |
| 2:<br>10.0.                      | - 1/9/k 0857                                   | 2;         | Shier       | lua     |           |                       | _  | ECT#:  |        |             | 15   | 561-1 |        |         |         |                           |  |     | Turnaround Time Request                               |                  |
| H1/1050                          | - 11/7/6 GOSC                                  | James      | AMULL       | - [1/ ( | llu       | am                    | SITE   | ADDR   | ESS:   |             |      | 4     | 065    |         |         |                           |  |     | Standard 5 Business Days                              |                  |
|                                  |  | Ŭ          | V           |         |           |                       | SEND   | REPO   | ORT TO | ): <b>I</b> | eon  | a M   | les a  | nd T    | im R    | over                      |  |     | 2 Business Day Rush Next Business Day Rush            |                  |
| SPECIAL INSTRU                   | CTIONS/COMMENTS:                               | OUT /      | SHIPMENT    | METHO   | DD        |                       | INVO   | ICE TO |        |             |      |       |        |         |         | - <b>J</b>                |  |     | Same Day Rush (auth req.) Other: 10 business Days     |                  |
| Preserve at the Lab per protocol |  |            | TT FedEx UF | VIA:    | L COUR    | IER                   | leona-mites@aem-net.com; tim-royer@aem-net.com |        |        |             |      |       |        |         |         |                           | STATE PROGRAM (if any):  E-mail? Y/N; Fax? Y/N |     |   |                  |
|                                  |  | GRI        | YHOUND O    | THER    |           |                       | QUOTE #: PO#:                                  |        |        |             |      |       |        |         |         | DATA PACKAGE: I II III IV |  |     |   |                  |
|                                  | IVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS R |            |             |         |           |                       | IARK   | ED O   | V COC  | AES         | WILL | PRO   | CEED   | AS ST   | ANDA    | RD TA                     | AT.  |     |   |                  |

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

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

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### **Analytical Environmental Services, Inc**

Client:Atlanta Environmental MgmtClient Sample ID:4065-110216-DF-002-AProject Name:DCSD - 4065Collection Date:11/2/2016 6:12:00 AMLab ID:1611147-001Matrix:Drinking Water

| Analyses                 |        | Result   | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|----------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 | (E200.2) |                    |      |       |         |                    |                  |         |
| Lead                     |        | BRL      | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 20:37 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 6 of 53

### **Analytical Environmental Services, Inc**

Client:Atlanta Environmental MgmtClient Sample ID:4065-110216-DF-002-BProject Name:DCSD - 4065Collection Date:11/2/2016 6:13:00 AMLab ID:1611147-002Matrix:Drinking Water

| Analyses                   | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E | 2200.8 | (E200.2)           |      |       |         |                    |                  |         |
| Lead                       | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 20:55 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 7 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-003-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:14:00 AM

 Lab ID:
 1611147-003
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 20:58 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 8 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-003-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:15:00 AM

 Lab ID:
 1611147-004
 Matrix:
 Drinking Water

| Analyses                   |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|----------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                       |        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 21:08 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative
NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 9 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-004-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:16:00 AM

 Lab ID:
 1611147-005
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 21:12 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 10 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-004-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:17:00 AM

 Lab ID:
 1611147-006
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 21:15 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 11 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-005-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:29:00 AM

 Lab ID:
 1611147-007
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 21:19 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 12 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-005-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:30:00 AM

 Lab ID:
 1611147-008
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 21:22 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 13 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-005-C

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:31:00 AM

 Lab ID:
 1611147-009
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 21:26 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 14 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-006-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:34:00 AM

 Lab ID:
 1611147-010
 Matrix:
 Drinking Water

| Analyses                        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|---------------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                            | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 21:29 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 15 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-006-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:35:00 AM

 Lab ID:
 1611147-011
 Matrix:
 Drinking Water

| Analyses                    | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|-----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E2 | 200.8  |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 20:48 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

Less than Result value

NC Not confirmed

Estimated value detected below Reporting Limit

Page 16 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-007-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:38:00 AM

 Lab ID:
 1611147-012
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 21:33 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 17 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-007-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:39:00 AM

 Lab ID:
 1611147-013
 Matrix:
 Drinking Water

| Analyses                    | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|-----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E2 | 00.8   |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 21:36 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 18 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-008-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:41:00 AM

 Lab ID:
 1611147-014
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 21:40 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 19 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-008-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:42:00 AM

 Lab ID:
 1611147-015
 Matrix:
 Drinking Water

| Analyses                    | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|-----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E2 | 00.8   |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 21:50 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 20 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-009-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:59:00 AM

 Lab ID:
 1611147-016
 Matrix:
 Drinking Water

| Analyses                    | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|-----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS Ex | 200.8  |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                        | 558    | 1.00               |      | ug/L  | 232472  | 1                  | 11/09/2016 12:39 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 21 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-009-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 6:00:00 AM

 Lab ID:
 1611147-017
 Matrix:
 Drinking Water

| Analyses                    | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|-----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E2 | 200.8  |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                        | 1050   | 1.00               |      | ug/L  | 232472  | 2 1                | 11/09/2016 12:42 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 22 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-010-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:54:00 AM

 Lab ID:
 1611147-018
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 21:54 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 23 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-010-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:55:00 AM

 Lab ID:
 1611147-019
 Matrix:
 Drinking Water

| Analyses                    | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|-----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E2 | 00.8   |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 21:57 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 24 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-011-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:50:00 AM

 Lab ID:
 1611147-020
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232956  | 1                  | 11/15/2016 22:01 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 25 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-DF-011-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:51:00 AM

 Lab ID:
 1611147-021
 Matrix:
 Drinking Water

| Analyses                     | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|------------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E20 | 00.8   |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                         | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 22:11 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 26 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-KS-001-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 6:04:00 AM

 Lab ID:
 1611147-022
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 22:36 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 27 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-KS-001-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 6:06:00 AM

 Lab ID:
 1611147-023
 Matrix:
 Drinking Water

| Analyses                    | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|-----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E2 | 00.8   |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                        | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 22:39 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 28 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-KS-001-C

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 6:05:00 AM

 Lab ID:
 1611147-024
 Matrix:
 Drinking Water

| Analyses                   | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E | 200.8  |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                       | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 22:43 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 29 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-KS-002-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 6:00:00 AM

 Lab ID:
 1611147-025
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 22:46 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 30 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-KS-002-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 6:01:00 AM

 Lab ID:
 1611147-026
 Matrix:
 Drinking Water

| Analyses                    | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|-----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS EX | 200.8  |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                        | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 22:50 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 31 of 53

Client:Atlanta Environmental MgmtClient Sample ID:4065-110216-KS-003-AProject Name:DCSD - 4065Collection Date:11/2/2016 5:43:00 AMLab ID:1611147-027Matrix:Drinking Water

| Analyses                     | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|------------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E20 | 0.8    |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                         | 1.13   | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 22:53 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 32 of 53

Client:Atlanta Environmental MgmtClient Sample ID:4065-110216-KS-003-BProject Name:DCSD - 4065Collection Date:11/2/2016 5:44:00 AMLab ID:1611147-028Matrix:Drinking Water

| Analyses                    | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|-----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E2 | 00.8   |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                        | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 22:57 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 33 of 53

Client:Atlanta Environmental MgmtClient Sample ID:4065-110216-KS-004-AProject Name:DCSD - 4065Collection Date:11/2/2016 5:37:00 AMLab ID:1611147-029Matrix:Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 23:00 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 34 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-KS-004-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:38:00 AM

 Lab ID:
 1611147-030
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 23:04 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 35 of 53

Client:Atlanta Environmental MgmtClient Sample ID:4065-110216-KS-005-AProject Name:DCSD - 4065Collection Date:11/2/2016 5:31:00 AMLab ID:1611147-031Matrix:Drinking Water

| Analyses                   | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E | 2200.8 |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                       | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 22:22 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 36 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-KS-005-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:32:00 AM

 Lab ID:
 1611147-032
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 23:14 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 37 of 53

Client:Atlanta Environmental MgmtClient Sample ID:4065-110216-KS-006-AProject Name:DCSD - 4065Collection Date:11/2/2016 5:25:00 AMLab ID:1611147-033Matrix:Drinking Water

| Analyses                    | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|-----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E2 | 00.8   |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                        | 1.90   | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 23:18 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 38 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-KS-006-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:26:00 AM

 Lab ID:
 1611147-034
 Matrix:
 Drinking Water

| Analyses                    | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|-----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E2 | 00.8   |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                        | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 23:21 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 39 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-RS-001-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:45:00 AM

 Lab ID:
 1611147-035
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 23:25 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 40 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-RS-001-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:46:00 AM

 Lab ID:
 1611147-036
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 23:28 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 41 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-RS-002-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:48:00 AM

 Lab ID:
 1611147-037
 Matrix:
 Drinking Water

| Analyses                   | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E | 200.8  |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                       | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 23:32 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 42 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-RS-002-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:49:00 AM

 Lab ID:
 1611147-038
 Matrix:
 Drinking Water

| Analyses                     | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |
|------------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E20 | 0.8    |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                         | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 23:35 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 43 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-CS-001-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:13:00 AM

 Lab ID:
 1611147-039
 Matrix:
 Drinking Water

| Analyses                    | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |  |
|-----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|--|
| Trace Elements by ICP/MS EX | 200.8  |                    |      | (E2   | 200.2)  |                    |                  |         |  |
| Lead                        | BRL    | 1.00               |      | ug/L  | 232958  | 1                  | 11/15/2016 23:39 | JR      |  |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 44 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-CS-001-B

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:14:00 AM

 Lab ID:
 1611147-040
 Matrix:
 Drinking Water

| Analyses                    | Result | Reporting<br>Limit | Qual | Units | BatchID Dilution Factor |   |                  | Analyst |  |
|-----------------------------|--------|--------------------|------|-------|-------------------------|---|------------------|---------|--|
| Trace Elements by ICP/MS E2 | 200.8  |                    |      | (E2   | 200.2)                  |   |                  |         |  |
| Lead                        | BRL    | 1.00               |      | ug/L  | 232958                  | 1 | 11/15/2016 23:42 | JR      |  |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 45 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-IM-001-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:17:00 AM

 Lab ID:
 1611147-041
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 232472  | 1                  | 11/09/2016 12:45 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 46 of 53

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-110216-TL-001-A

 Project Name:
 DCSD - 4065
 Collection Date:
 11/2/2016 5:52:00 AM

 Lab ID:
 1611147-042
 Matrix:
 Drinking Water

| Analyses                    | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor |                  | Analyst |  |
|-----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|--|
| Trace Elements by ICP/MS E2 | 00.8   |                    |      | (E2   | 200.2)  |                    |                  |         |  |
| Lead                        | BRL    | 1.00               |      | ug/L  | 232434  | 1                  | 11/08/2016 04:27 | JR      |  |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 47 of 53

Client:Atlanta Environmental MgmtClient Sample ID:4065-110216-TL-001-BProject Name:DCSD - 4065Collection Date:11/2/2016 5:53:00 AMLab ID:1611147-043Matrix:Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units       | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | <b>(E</b> 2 | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L        | 232434  | 1                  | 11/08/2016 04:30 | JR      |

Date:

16-Nov-16

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 48 of 53

# Sample/Cooler Receipt Checklist

| Client 4 cm  |              | Work Order Number | 1611147                        |
|--|--------------|-------------------|--------------------------------|
| Checklist completed by                                     | 1/2/14       |                   |                                |
| Carrier name: FedEx UPS Courier Client U                   | JS Mail Othe | er                |                                |
| 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 2 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        | submitted    | 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 inch |              | /                 | <del>recognition and the</del> |

See Case Narrative for resolution of the Non-Conformance.

\\Aes server\l\Sample Receipt\\My Documents\COCs and pH Adjustment Sheet\Sample\_Cooler\_Recipt\_Checklist\_Rev1.rtf

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

DCSD - 4065

1611147

**Project Name:** 

Workorder:

Client: Atlanta Environmental Mgmt

ANALYTICAL QC SUMMARY REPORT

Date:

16-Nov-16

BatchID: 232434

Sample ID: MB-232434 Client ID: Units: ug/L Prep Date: 11/07/2016 Run No: 329282 TestCode: Trace Elements by ICP/MS E200.8 SampleType: MBLK BatchID: 232434 Analysis Date: 11/08/2016 Seq No: 7152023 SPK value SPK Ref Val Analyte Result **RPT Limit** %REC Low Limit High Limit RPD Ref Val %RPD RPD Limit Qual Lead BRL 1.00 Sample ID: LCS-232434 Client ID: Units: ug/L Prep Date: 11/07/2016 Run No: 329282 TestCode: Trace Elements by ICP/MS E200.8 SampleType: LCS BatchID: 232434 Analysis Date: 11/08/2016 Seq No: 7152024 RPT Limit SPK value SPK Ref Val %REC %RPD Analyte Result Low Limit High Limit RPD Ref Val RPD Limit Oual 100.8 1.00 100.0 101 85 115 Lead Sample ID: 1611157-041AMS Client ID: Prep Date: Run No: 329282 Units: ug/L 11/07/2016 TestCode: Trace Elements by ICP/MS E200.8 BatchID: 232434 Analysis Date: 11/08/2016 SampleType: MS Seq No: 7152026 Analyte Result **RPT Limit** SPK value SPK Ref Val %REC Low Limit High Limit RPD Ref Val %RPD RPD Limit Qual 94.69 1.00 100.0 0.1296 94.6 70 130 Lead Client ID: Run No: 329282 Sample ID: 1611157-051AMS Units: ug/L Prep Date: 11/07/2016 TestCode: Trace Elements by ICP/MS E200.8 SampleType: MS BatchID: 232434 Analysis Date: 11/08/2016 Seq No: **7152029** Analyte Result RPT Limit SPK value SPK Ref Val %REC Low Limit High Limit RPD Ref Val %RPD RPD Limit Oual 95.19 1.00 100.0 0.05985 95.1 70 130 Lead Run No: 329282 Sample ID: 1611157-041AMSD Client ID: Units: ug/L Prep Date: 11/07/2016 SampleType: MSD TestCode: Trace Elements by ICP/MS E200.8 BatchID: 232434 Analysis Date: 11/11/2016 Seq No: 7161921 SPK Ref Val Low Limit High Limit %RPD Analyte Result RPT Limit SPK value %REC RPD Ref Val RPD Limit Qual Lead 108 3 1.00 100.0 0.1296 108 70 130 94 69 134 2.0

Qualifiers: > Greater than Result value

BRL Below reporting limit

Rpt Lim Reporting Limit

J Estimated value detected below Reporting Limit

n Result value < 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 50 of 53

Client: Atlanta Environmental Mgmt

Project Name: DCSD - 4065 Workorder: 1611147

# ANALYTICAL QC SUMMARY REPORT

Date:

16-Nov-16

BatchID: 232472

| Sample ID: MB-232472 SampleType: MBLK         | Client ID:<br>TestCode: | Trace Elements by ICP/M | 1S E200.8 |             | Uni<br>Bate | ts: <b>ug/L</b>                        | Prep Date:<br>Analysis Date: | 11/08/2016<br>11/08/2016 | Run No: <b>329361</b><br>Seq No: <b>7153763</b> |
|---|-------------------------|-------------------------|-----------|-------------|-------------|--|------------------------------|--------------------------|---|
| Analyte                                       | Result                  | RPT Limit               | SPK value | SPK Ref Val | %REC        | Low Limit                              | High Limit RPD Re            |                          | O RPD Limit Qual                                |
| Lead  | BRL                     | 1.00                    |           |             |             |  |                              |                          |   |
| Sample ID: LCS-232472<br>SampleType: LCS      | Client ID:<br>TestCode: | Trace Elements by ICP/M | 1S E200.8 |             | Uni<br>Bate | ts: <b>ug/L</b><br>chID: <b>232472</b> | Prep Date:<br>Analysis Date: | 11/08/2016<br>11/08/2016 | Run No: <b>329361</b><br>Seq No: <b>7153764</b> |
| Analyte                                       | Result                  | RPT Limit               | SPK value | SPK Ref Val | %REC        | Low Limit                              | High Limit RPD Re            | f Val %RPI               | RPD Limit Qual                                  |
| Lead  | 98.32                   | 1.00                    | 100.0     | 0.1853      | 98.1        | 85                                     | 115                          |                          |   |
| Sample ID: 1611056-033AMS SampleType: MS      | Client ID:<br>TestCode: | Trace Elements by ICP/M | 1S E200.8 |             | Uni<br>Bate | ts: <b>ug/L</b><br>chID: <b>232472</b> | Prep Date:<br>Analysis Date: | 11/08/2016<br>11/08/2016 | Run No: <b>329361</b><br>Seq No: <b>7153766</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  | 92.03                   | 1.00                    | 100.0     | 3.087       | 88.9        | 70                                     | 130                          |                          |   |
| Sample ID: 1611604-007AMS SampleType: MS      | Client ID:<br>TestCode: | Trace Elements by ICP/N | 1S E200.8 |             | Uni<br>Bate | ts: <b>ug/L</b><br>chID: <b>232472</b> | Prep Date:<br>Analysis Date: | 11/08/2016<br>11/08/2016 | Run No: <b>329361</b><br>Seq No: <b>7153771</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  | 121.1                   | 1.00                    | 100.0     | 22.06       | 99.0        | 70                                     | 130                          |                          |   |
| Sample ID: 1611056-033AMSD<br>SampleType: MSD | Client ID:<br>TestCode: | Trace Elements by ICP/M | 1S E200.8 |             | Uni<br>Bate | ts: <b>ug/L</b> chID: <b>232472</b>    | Prep Date:<br>Analysis Date: | 11/08/2016<br>11/08/2016 | Run No: <b>329361</b><br>Seq No: <b>7153767</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  | 97.43                   | 1.00                    | 100.0     | 3.087       | 94.3        | 70                                     | 130 92.0                     | 3 5.70                   | 20  |

Qualifiers: > Greater than Result value

BRL Below reporting limit

Rpt Lim Reporting Limit

J Estimated value detected below Reporting Limit

er than Result value < 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 51 of 53

Client: Atlanta Environmental Mgmt

Project Name: DCSD - 4065 Workorder: 1611147

# ANALYTICAL QC SUMMARY REPORT

Date:

16-Nov-16

BatchID: 232956

| Sample ID: MB-232956       | Client ID: | Two as Floments by ICP/A | AS E200.8 |             | Uni  |                     | Prep I     |                 | 5/2016 | Run No: 3 |            |
|----------------------------|------------|--------------------------|-----------|-------------|------|---------------------|------------|-----------------|--------|-----------|------------|
| SampleType: MBLK           | TestCode:  | Trace Elements by ICP/N  | 15 E200.6 |             | Bat  | chID: <b>232956</b> | Analy      | sis Date: 11/15 | /2016  | Seq No: ' | /17/0644   |
| Analyte                    | Result     | RPT Limit                | SPK value | SPK Ref Val | %REC | Low Limit           | High Limit | RPD Ref Val     | %RPD   | RPD I     | Limit Qual |
| Lead                       | BRL        | 1.00                     |           |             |      |                     |            |                 |        |           |            |
| Sample ID: LCS-232956      | Client ID: |                          |           |             | Uni  | ts: ug/L            | Prep I     | Date: 11/15     | 5/2016 | Run No: 3 | 329950     |
| SampleType: LCS            | TestCode:  | Trace Elements by ICP/N  | MS E200.8 |             | Bat  | chID: 232956        | Analy      | sis Date: 11/15 | 5/2016 | Seq No: ' | 7170645    |
| Analyte                    | Result     | RPT Limit                | SPK value | SPK Ref Val | %REC | Low Limit           | High Limit | RPD Ref Val     | %RPD   | RPD I     | Limit Qual |
| Lead                       | 94.68      | 1.00                     | 100.0     |             | 94.7 | 85                  | 115        |                 |        |           |            |
| Sample ID: 1611147-001AMS  |            | 4065-110216-DF-002       |           |             | Uni  | ts: ug/L            | Prep I     | Date: 11/15     | 5/2016 | Run No: 3 | 329950     |
| SampleType: MS             | TestCode:  | Trace Elements by ICP/N  | MS E200.8 |             | Bat  | chID: 232956        | Analy      | sis Date: 11/15 | 5/2016 | Seq No: ' | 7170647    |
| Analyte                    | Result     | RPT Limit                | SPK value | SPK Ref Val | %REC | Low Limit           | High Limit | RPD Ref Val     | %RPD   | RPD 1     | Limit Qual |
| Lead                       | 96.19      | 1.00                     | 100.0     | 0.1478      | 96.0 | 70                  | 130        |                 |        |           |            |
| Sample ID: 1611147-011AMS  | Client ID: | 4065-110216-DF-006       | 6-B       |             | Uni  | ts: ug/L            | Prep I     | Date: 11/15     | 5/2016 | Run No: 3 | 329950     |
| SampleType: MS             | TestCode:  | Trace Elements by ICP/N  | MS E200.8 |             | Bat  | chID: 232956        | Analy      | sis Date: 11/15 | 5/2016 | Seq No: ' | 7170650    |
| Analyte                    | Result     | RPT Limit                | SPK value | SPK Ref Val | %REC | Low Limit           | High Limit | RPD Ref Val     | %RPD   | RPD I     | Limit Qual |
| Lead                       | 97.51      | 1.00                     | 100.0     | 0.1349      | 97.4 | 70                  | 130        |                 |        |           |            |
| Sample ID: 1611147-001AMSD | Client ID: | 4065-110216-DF-002       | 2-A       |             | Uni  | ts: ug/L            | Prep I     | Date: 11/15     | 5/2016 | Run No: 3 | 329950     |
| SampleType: MSD            | TestCode:  | Trace Elements by ICP/M  | MS E200.8 |             | Bat  | chID: <b>232956</b> | Analy      | sis Date: 11/15 | 5/2016 | Seq No: ' | 7170648    |
| Analyte                    | Result     | RPT Limit                | SPK value | SPK Ref Val | %REC | Low Limit           | High Limit | RPD Ref Val     | %RPD   | RPD I     | Limit Qual |
| Lead                       | 96.77      | 1.00                     | 100.0     | 0.1478      | 96.6 | 70                  | 130        | 96.19           | 0.609  | 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 52 of 53

Client: Atlanta Environmental Mgmt

Project Name: DCSD - 4065 Workorder: 1611147

# ANALYTICAL QC SUMMARY REPORT

Date:

16-Nov-16

BatchID: 232958

| Sample ID: MB-232958                          | Client ID:              |   |           |             | Uni         |                                     |                              | 11/15/2016               | Run No: <b>329951</b>                           |
|---|-------------------------|---|-----------|-------------|-------------|-------------------------------------|------------------------------|--------------------------|---|
| SampleType: MBLK                              | TestCode:               | Trace Elements by ICP/M                       | IS E200.8 |             | Bate        | chID: 232958                        | Analysis Date:               | 11/15/2016               | Seq No: <b>7170811</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-232958 SampleType: LCS         | Client ID:<br>TestCode: | Trace Elements by ICP/M                       | 1S E200.8 |             | Uni<br>Bate | ts: <b>ug/L</b> chID: <b>232958</b> | Prep Date:<br>Analysis Date: | 11/15/2016<br>11/15/2016 | Run No: <b>329951</b><br>Seq No: <b>7170812</b> |
| Analyte                                       | Result                  | RPT Limit                                     | SPK value | SPK Ref Val | %REC        | Low Limit                           | High Limit RPD Ref           | Val %RPD                 | RPD Limit Qual                                  |
| Lead  | 101.6                   | 1.00  | 100.0     |             | 102         | 85                                  | 115                          |                          |   |
| Sample ID: 1611147-021AMS SampleType: MS      |                         | 4065-110216-DF-011<br>Trace Elements by ICP/M |           |             | Uni<br>Bate | ts: <b>ug/L</b> chID: <b>232958</b> | Prep Date:<br>Analysis Date: | 11/15/2016<br>11/15/2016 | Run No: <b>329951</b><br>Seq No: <b>7170814</b> |
| Analyte                                       | Result                  | RPT Limit                                     | SPK value | SPK Ref Val | %REC        | Low Limit                           | High Limit RPD Ref           | Val %RPD                 | RPD Limit Qual                                  |
| Lead  | 98.09                   | 1.00  | 100.0     | 0.5305      | 97.6        | 70                                  | 130                          |                          |   |
| Sample ID: 1611147-031AMS SampleType: MS      |                         | 4065-110216-KS-005<br>Trace Elements by ICP/M |           |             | Uni<br>Bate | ts: <b>ug/L</b> chID: <b>232958</b> | Prep Date:<br>Analysis Date: | 11/15/2016<br>11/15/2016 | Run No: <b>329951</b><br>Seq No: <b>7170819</b> |
| Analyte                                       | Result                  | RPT Limit                                     | SPK value | SPK Ref Val | %REC        | Low Limit                           | High Limit RPD Ref           | Val %RPD                 | RPD Limit Qual                                  |
| Lead  | 96.64                   | 1.00  | 100.0     | 0.5539      | 96.1        | 70                                  | 130                          |                          |   |
| Sample ID: 1611147-021AMSD<br>SampleType: MSD |                         | 4065-110216-DF-011<br>Trace Elements by ICP/M |           |             | Uni<br>Bate | ts: <b>ug/L</b> chID: <b>232958</b> | Prep Date:<br>Analysis Date: | 11/15/2016<br>11/15/2016 | Run No: <b>329951</b><br>Seq No: <b>7170815</b> |
| Analyte                                       | Result                  | RPT Limit                                     | SPK value | SPK Ref Val | %REC        | Low Limit                           | High Limit RPD Ref           | Val %RPD                 | RPD Limit Qual                                  |
| Lead  | 98.29                   | 1.00  | 100.0     | 0.5305      | 97.8        | 70                                  | 130 98.09                    | 0.202                    | 20  |

Qualifiers: > Greater than Result value

BRL Below reporting limit

Rpt Lim Reporting Limit

J Estimated value detected below Reporting Limit

ter than Result value < Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Page 53 of 53

#### **Leona Miles**

From: NoReply@aesatlanta.net

Sent: Wednesday, April 19, 2017 2:23 PM

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

**Subject:** DCSD - 4065

**Attachments:** 1704234\_REPORT.pdf; 1704234Invoice.pdf

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

**AES Reporting System** 

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

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# ANALYTICAL ENVIRONMENTAL SERVICES, INC.



April 19, 2017

Leona Miles Atlanta Environmental Mgmt 2580 NE Expresswav Atlanta GA 30345

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

RE: DCSD - 4065

Dear Leona Miles: Order No: 1704234

Analytical Environmental Services, Inc. received 9 samples on 4/5/2017 7:30:00 AM for the analyses presented in following report.

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

AES's accreditations are as follows:

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

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

Ioana Pacurar

**Project Manager** 

IDana) Pacurar

3080 Presidential Drive, Atlanta GA 30340-3704

(220) 457 9127 / TOLL EDEC (900) 072 4990 / EAV: (770) 457 9189

ANALYTICAL ENVIRONMENTAL SERVICES, INC

CHAIN OF CUSTODY Work Order: 1704234 Date: 4/5/17 Page 1 of \_\_\_\_\_\_\_

|                   | TEL.: (7/0) 457-8177 / TOLL-FREE (800) 972-4889  |              | 197 0100                |                 |           |                       |              |            |         |         |         |          |          |          |          |       |     |          |   |  | ≒ |
|-------------------|--|--------------|-------------------------|-----------------|-----------|-----------------------|--------------|------------|---------|---------|---------|----------|----------|----------|----------|-------|-----|----------|---|--|---|
| COMPANY:          | Atlanta Environmental Management, Inc            | ADDRESS:     | 2580 Northe             | ast Exp         | resswa    | ıy, NE                |              |            |         | A       | NALY    | SIS R    | EQUE     | STED     |          |       |     | 4        | sit our website                                 |  |   |
|                   |  |              | Atlanta, GA             | 30345           |           |                       | 0.8          |            |         |         |         |          |          |          |          |       |     |          | .aesatlanta.com                                 |  |   |
| PHONE:            |  | FAX:         | (10.1) ***              | 202             |           |                       | Method 200.8 |            |         |         |         |          |          |          |          |       |     | ł        | ck on the status of                             | Si   |   |
|                   | (404) 329-9006                                   |              | (404) 329               | -2057           |           |                       | 1etho        |            |         |         |         |          |          |          |          |       |     | your 1   | esults, place bottle<br>orders, etc.            | Itaine   |   |
| SAMPLED BY:       | Cynthia Jackson                                  | SIGNATURE:   | my J                    |                 |           |                       | Total Pb N   |            |         |         |         |          |          |          |          |       | i i |          | oracis, etc.                                    | No # of Containers                               |   |
|                   | 1 0  | SAX          | IPLED                   |                 | t t       | ું જ                  | Tot          |            |         |         |         |          | <u> </u> | <u> </u> |          |       |     |          |   | S.   |   |
| #                 | SAMPLE ID  |              |                         | q               | Composite | Matrix<br>(See codes) |              | П          |         | - P     | RESER   | T        | )N (Sec  | codes)   | T        |       | T   | 1        | REMARKS   |  |   |
|                   |  | DATE         | TIME                    | Grab            | Cor       |                       | I            |            |         |         | _       |          |          | _        |          |       |     | ļ        |   | <b>-</b>   | _ |
| 1                 | 4065-040517-SC-001-A                             | 4/5/17       | 0514                    | X               |           | Du                    | X            |            |         | _       |         |          |          |          | <u> </u> | _     | _   |          |   | <del>  \</del>                                   | _ |
| 2                 | 4065-040517-DF-012-A                             | 4/5/17       |                         | X               |           | pw                    | X            |            |         | _       |         |          |          | _        |          |       | _   |          |   | <del>                                     </del> | _ |
| 3                 | 4065.040517-DF-012-B                             | 4/5/17       | 0518                    | $\times$        |           | 10W                   | X            |            |         | _       |         |          |          |          |          |       |     |          |   | ١ ١  | _ |
| 4                 | 4065-046517-DF-013-A                             | 4/5/17       | 0519                    | X               |           | 12m                   | X            |            | _       | $\perp$ |         |          | _ _      |          |          |       |     | <u> </u> |   | 1  | _ |
| 5                 | 4065.040517-DF-013.B                             | 4/5/17       | 0520                    | X               |           | PW                    | X            |            |         |         |         |          | $\perp$  |          |          |       |     |          |   | 1  |   |
| 6                 | 4065-040517-DF-009-A                             | 4/5/17       | 0523                    | X               |           | DW                    | X            |            |         |         |         |          |          |          |          |       |     |          |   | 1  |   |
| 7                 | 4065-040517-DF-009-B                             | 4/5/17       | 0524                    | X               |           | DN                    | X            |            |         |         |         |          |          | _        |          |       |     |          |   |  | _ |
| 8                 | 4065-040517-DF-001-A                             | 4/5/17       | 0528                    | $\rightarrow$   |           | DW                    | Х            |            |         |         |         |          |          |          |          | _     |     |          |   | 1  | _ |
| 9                 | 4065-040517-DF-001-B                             | 4/5/17       | 0529                    | X               |           | m                     | $\times$     |            |         |         |         |          |          |          |          |       |     | <u>_</u> |   | 1  |   |
| 10                |  | ' /          |                         |                 |           |                       |              |            |         |         |         |          |          |          |          |       |     |          |   |  | _ |
| 11                |  |              |                         |                 |           |                       |              |            |         |         |         |          |          |          |          |       |     |          |   | 1  | _ |
| 12                |  |              |                         |                 |           |                       |              |            |         |         |         |          |          |          |          |       |     | -        |   | -  | _ |
| 13                |  |              |                         |                 |           | <u> </u>              |              | ļ          |         |         | _ _     |          | _        |          | -        |       |     |          |   | <u> </u>   |   |
| 14                |  |              |                         | ļ               |           |                       |              | lacksquare |         |         | _       |          |          |          |          |       |     |          |   | <u> </u>   |   |
| 15                |  |              |                         |                 |           | <u> </u>              |              |            |         |         |         |          |          |          |          |       |     |          |   |  | _ |
| RELINQUISHED      | DATE/TIME  | RECEIVED B   | Y                       |                 |           | DATE/TIME             | PRO          | IECT N     | JAME:   |         | PROJE   | CT IN    | FORM     | ATIO     | N .      |       |     | -        | RECEIPT   | Τ  | _ |
|                   | 1 4/5/17 7:00                                    | "4           | <1Av                    | Ц               | 15/1      | 77:00                 | , KO.        | JECT I     |         |         | DCS     |          |          |          |          |       |     |          | Total # of Containers                           |  | _ |
| 2: <b>/</b> /     | Harry 45/12 7:30                                 | 2:1          | di 🌷                    | - 4)            | 15/1      | 730                   | $\vdash$     | JECT#      |         |         | 1:      | 561-1    | 601      |          |          |       |     | $\perp$  | Turnaround Time Request                         |  |   |
| 14                | Agec 9/5/11 1.00                                 | Myse         | 14m                     |                 |           | 100                   | SITE         | ADDF       | RESS:   |         | 40      | (o Z     |          |          |          |       |     | 18       | Standard 5 Business Days<br>2 Business Day Rush |  |   |
| 3:                |  | 3.           |                         |                 |           |                       | SENI         | D REP      | ORT TO  |         |         |          |          | ıd Ti    | m Ro     | yer   |     | 18       | Next Business Day Rush                          |  |   |
| CDECIAL INCTD     | UCTIONS/COMMENTS:                                |              | SHIPMEN                 | Т МЕТНО         | DD .      |                       | _            | DICE T     |         |         |         |          |          |          | -        |       |     | 7 Ō      | Same Day Rush (auth req                         | .)   |   |
| or returning In   | CC HOLD, COMMENTO.                               | OUT /        | 1 /                     | VIA:            |           |                       | (IF D        | IFFER      | ENT F   | ROM A   | ABOVI   | Ξ)       |          |          |          |       |     |          | Other: 10 business Days                         |  | _ |
| Preserve at the I | ab per protocol                                  | IN 1         | ) /_                    | VIA:            |           | in iED                |              | leona      | -miles@ | @aem-:  | net.com | ı; tim-r | yer@a    | em-net.  | coin     |       |     |          | PROGRAM (if any):                               | -  |   |
|                   |  | CLIE         | /                       | PS MAI<br>OTHER | il COI    | JKIEK                 | OHO          | TE#:       |         |         |         |          | PC       | )#:      |          |       |     |          | Y/N; Fax? Y/N<br>PACKAGE: I II III              | IV   |   |
|                   | CEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS F |              |                         |                 | DAV, IE   | NO TAT IS             |              | _          | N CO    | CAFS    | WILI    | . PRO    |          |          | NDAR     | D TAT |     |          |   | •  | _ |
|                   | E DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT |              |                         |                 |           |                       | ···AIVI      | CLD U      | .,,     |         | ,,122   |          |          |          |          |       |     |          |   |  |   |
| SAMPLES ARI       | UDSTUDED OF 30 DAID AFTER COMPLETION OF REPORT   | CLIPPOS OTIE | THE CANADACTIC LOCALITY |                 |           |                       |              |            |         |         |         |          |          |          |          |       |     |          |   |  |   |

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-040517-SC-001-A

 Project Name:
 DCSD - 4065
 Collection Date:
 4/5/2017 5:14:00 AM

 Lab ID:
 1704234-001
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 240994  | . 1                | 04/13/2017 16:37 | JR      |

Date:

19-Apr-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-040517-DF-012-A

 Project Name:
 DCSD - 4065
 Collection Date:
 4/5/2017 5:17:00 AM

 Lab ID:
 1704234-002
 Matrix:
 Drinking Water

| Analyses                   | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E | E200.8 |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                       | 1.07   | 1.00               |      | ug/L  | 240994  | 1                  | 04/13/2017 16:44 | JR      |

Date:

19-Apr-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 4 of 13

Client:Atlanta Environmental MgmtClient Sample ID:4065-040517-DF-012-BProject Name:DCSD - 4065Collection Date:4/5/2017 5:18:00 AMLab ID:1704234-003Matrix:Drinking Water

| Analyses                   | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|----------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E | 200.8  |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                       | 2.19   | 1.00               |      | ug/L  | 240994  | 1                  | 04/13/2017 16:50 | JR      |

Date:

19-Apr-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 5 of 13

Client:Atlanta Environmental MgmtClient Sample ID:4065-040517-DF-013-AProject Name:DCSD - 4065Collection Date:4/5/2017 5:19:00 AMLab ID:1704234-004Matrix:Drinking Water

| Analyses                       | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E200. | 8      |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                           | 4.84   | 1.00               |      | ug/L  | 240994  | 1                  | 04/13/2017 16:56 | JR      |

Date:

19-Apr-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Client:Atlanta Environmental MgmtClient Sample ID:4065-040517-DF-013-BProject Name:DCSD - 4065Collection Date:4/5/2017 5:20:00 AMLab ID:1704234-005Matrix:Drinking Water

| Analyses                 | Re     | enit î | orting Qual<br>imit | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|---------------------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                     | (E20  | 00.2)   |                    |                  |         |
| Lead                     | F      | BRL 1  | .00                 | ug/L  | 240994  | 1                  | 04/13/2017 17:02 | JR      |

Date:

19-Apr-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Client:Atlanta Environmental MgmtClient Sample ID:4065-040517-DF-009-AProject Name:DCSD - 4065Collection Date:4/5/2017 5:23:00 AMLab ID:1704234-006Matrix:Drinking Water

| Analyses                      | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|-------------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E200 | 8      |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                          | 529    | 1.00               |      | ug/L  | 240994  | 1                  | 04/13/2017 15:47 | JR      |

Date:

19-Apr-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

Less than Result value

J Estimated value detected below Reporting Limit

Page 8 of 13

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-040517-DF-009-B

 Project Name:
 DCSD - 4065
 Collection Date:
 4/5/2017 5:24:00 AM

 Lab ID:
 1704234-007
 Matrix:
 Drinking Water

| Analyses                      | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|-------------------------------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS E200 | 0.8    |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                          | 105    | 1.00               |      | ug/L  | 240994  | 1                  | 04/13/2017 17:09 | JR      |

Date:

19-Apr-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Page 9 of 13

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-040517-DF-001-A

 Project Name:
 DCSD - 4065
 Collection Date:
 4/5/2017 5:28:00 AM

 Lab ID:
 1704234-008
 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 240994 04/13/2017 17:15 JR Lead

Date:

19-Apr-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

Estimated value detected below Reporting Limit

Page 10 of 13

Client:Atlanta Environmental MgmtClient Sample ID:4065-040517-DF-001-BProject Name:DCSD - 4065Collection Date:4/5/2017 5:29:00 AMLab ID:1704234-009Matrix:Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 240994  | 1                  | 04/13/2017 17:21 | JR      |

Date:

19-Apr-17

Qualifiers:

\* Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative NC Not confirmed

Less than Result value

J Estimated value detected below Reporting Limit

Page 11 of 13



#### SAMPLE/COOLER RECEIPT CHECKLIST

| 1. Client Name:   |     |    |     | AES Work Order Numbe                                    | r:  |
|---|-----|----|-----|---|---|
| 2. Carrier: FedEx UPS USPS Client Courier Other   |     |    |     |   |   |
|   | Yes | No | N/A | Details   | Comments                                  |
| 3. Shipping container/cooler received in good condition?                                      | Т   |    | Ī   | damaged leaking other                                   |   |
| 4. Custody seals present on shipping container?   | +   |    |     |   |   |
| 5. Custody seals intact on shipping container?  |     |    |     |   |   |
| 6. Temperature blanks present?  | 1   |    |     |   |   |
| Cooler temperature(s) within limits of 0-6°C2 [See item 13 and 14 for                         | +   |    |     | Cooling initiated for recently collected samples / ice  |   |
| 7. temperature recordings.]   |     |    |     | present   |   |
| 8. Chain of Custody (COC) present?  | 1   |    |     |   |   |
| 9. Chain of Custody signed, dated, and timed when relinquished and received                   | ?   |    |     |   |   |
| 10. Sampler name and/or signature on COC?   |     |    |     |   |   |
| 11. Were all samples received within holding time?  |     |    |     |   |   |
| 12. TAT marked on the COC?  | +   |    |     | If no TAT indicated, proceeded with standard TAT per Te | erms & Conditions.                        |
|   |     |    |     |   | <del>-</del>                              |
| 13. Cooler 1 Temperature °C Cooler 2 Temperature Cooler 5 Temperature °C Cooler 6 Temperature |     |    | °C  | Cooler 3 Temperature °C Coole                           | er 4 Temperature°C                        |
| Cooler 5 Temperature °C Cooler 6 Temperature  |     |    | -   |   | 8 Temperature °C                          |
|   |     |    |     |   |   |
| 15. Comments:   |     |    |     |   |   |
|   |     |    |     | Logrify that I have so                                  | ampleted sections 1 1E (detect initials)  |
|   |     |    |     | r certify that I have co                                | ompleted sections 1-15 (dated initials).  |
|   | Yes | No | N/A | Details   | Comments                                  |
| 16. Were sample containers intact upon receipt?   |     |    |     |   |   |
| 17. Custody seals present on sample containers?   |     |    |     |   |   |
| 18. Custody seals intact on sample containers?  |     |    |     |   |   |
| 19. Do sample container labels match the COC?   |     |    |     | incomplete info  illegible                              |   |
| ·   |     |    |     | no label Other  |   |
| 20. Are analyses requested indicated on the COC?  |     |    |     |   |   |
| 21. Were all of the samples listed on the COC received?                                       |     |    |     | samples received but not listed on COC                  |   |
| 21. Were all of the samples listed on the Coc received:                                       |     |    |     | samples listed on COC not received                      |   |
| 22. Was the sample collection date/time noted?  |     |    |     |   |   |
| 23. Did we receive sufficient sample volume for indicated analyses?                           | T   |    |     |   |   |
| 24. Were samples received in appropriate containers?  | T   |    |     |   |   |
| 25. Were VOA samples received without headspace (< 1/4" bubble)?                              |     |    |     |   |   |
| 26. Were trip blanks submitted?   |     |    |     | listed on COC not listed on COC                         |   |
| 27. Comments:   |     |    | •   |   | •   |
|   |     |    |     | to all the the  |   |
|   |     |    |     | ·   | ompleted sections 16-27 (dated initials). |
|   | Yes | No | N/A | Details<br>T  | Comments                                  |
| 28. Have containers needing chemical preservation been checked?                               | +   | }  |     |   |   |
| 29. Containers meet preservation guidelines?  | +   | }  |     |   |   |
| 30. Was pH adjusted?  |     |    |     |   |   |

Atlanta Environmental Mgmt **Client:** 

**Project Name:** DCSD - 4065 Workorder: 1704234

# ANALYTICAL QC SUMMARY REPORT

Date:

19-Apr-17

BatchID: 240994

| Sample ID: MB-240994                          | Client ID:              |   |           |             | Uni        | ts: ug/L                               | Prep Date: <b>04/13/2017</b> Run No: <b>340709</b>                             |
|---|-------------------------|---|-----------|-------------|------------|--|--|
| SampleType: MBLK                              | TestCode:               | Trace Elements by ICP/M                       | IS E200.8 |             | Bat        | chID: 240994                           | Analysis Date: <b>04/13/2017</b> Seq No: <b>7457511</b>                        |
| Analyte                                       | Result                  | RPT Limit                                     | SPK value | SPK Ref Val | %REC       | Low Limit                              | High Limit RPD Ref Val %RPD RPD Limit Qua                                      |
| Lead  | BRL                     | 1.00  |           |             |            |  |  |
| Sample ID: LCS-240994 SampleType: LCS         | Client ID:<br>TestCode: | Trace Elements by ICP/M                       | S E200.8  |             | Uni<br>Bat | ts: <b>ug/L</b><br>chID: <b>240994</b> | Prep Date: 04/13/2017 Run No: 340709 Analysis Date: 04/13/2017 Seq No: 7457512 |
| Analyte                                       | Result                  | RPT Limit                                     | SPK value | SPK Ref Val | %REC       | Low Limit                              | High Limit RPD Ref Val %RPD RPD Limit Qua                                      |
| Lead  | 102.2                   | 1.00  | 100.0     |             | 102        | 85                                     | 115  |
| Sample ID: 1704233-001AMS Sample Type: MS     | Client ID:<br>TestCode: | Trace Elements by ICP/M                       | IS E200.8 |             | Uni<br>Bat | ts: <b>ug/L</b> chID: <b>240994</b>    | Prep Date: 04/13/2017 Run No: 340709 Analysis Date: 04/13/2017 Seq No: 7457514 |
| Analyte                                       | Result                  | RPT Limit                                     | SPK value | SPK Ref Val | %REC       | Low Limit                              | High Limit RPD Ref Val %RPD RPD Limit Qua                                      |
| Lead  | 102.3                   | 1.00  | 100.0     | 0.7422      | 102        | 70                                     | 130  |
| Sample ID: 1704234-006AMS SampleType: MS      |                         | 4065-040517-DF-009<br>Trace Elements by ICP/M |           |             | Uni<br>Bat | ts: <b>ug/L</b> chID: <b>240994</b>    | Prep Date: 04/13/2017 Run No: 340709 Analysis Date: 04/13/2017 Seq No: 7457517 |
| Analyte                                       | Result                  | RPT Limit                                     | SPK value | SPK Ref Val | %REC       | Low Limit                              | High Limit RPD Ref Val %RPD RPD Limit Qua                                      |
| Lead  | 629.2                   | 1.00  | 100.0     | 528.5       | 101        | 70                                     | 130  |
| Sample ID: 1704233-001AMSD<br>SampleType: MSD | Client ID:<br>TestCode: | Trace Elements by ICP/M                       | IS E200.8 |             | Uni<br>Bat | ts: <b>ug/L</b> chID: <b>240994</b>    | Prep Date: 04/13/2017 Run No: 340709 Analysis Date: 04/13/2017 Seq No: 7457515 |
| Analyte                                       | Result                  | RPT Limit                                     | SPK value | SPK Ref Val | %REC       | Low Limit                              | High Limit RPD Ref Val %RPD RPD Limit Qua                                      |
| Lead  | 99.32                   | 1.00  | 100.0     | 0.7422      | 98.6       | 70                                     | 130 102.3 2.92 20  |

Qualifiers: Greater than Result value

> BRL Below reporting limit

Rpt Lim Reporting Limit

Estimated value detected below Reporting Limit

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 13 of 13

#### **Leona Miles**

From: NoReply@aesatlanta.net

Sent: Monday, October 30, 2017 5:56 PM

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

**Subject:** DCSD - 4065

Attachments: 1710K60\_REPORT.pdf; 1710K60Invoice.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 30, 2017

Leona Miles

Atlanta Environmental Mgmt

2580 NE Expressway

Atlanta

GA

30345

RE:

DCSD - 4065

AES's accreditations are as follows:

Leona Miles: Dear

Order No:

1710K60

Analytical Environmental Services, Inc. received for the analyses presented in following report.

2

samples on

10/20/2017 12:25:00 PM

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 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

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: 1710K60

|                     | Atlanta Environmental Management Inc  |             | 2580 North<br>Atlanta, GA | east Ex | presswa   | ny NE                 |                          |                     | ANALY  | /SIS REQUE  | ESTED       |     | Visit our website   | Ī |
|---------------------|---|-------------|---------------------------|---------|-----------|-----------------------|--------------------------|---------------------|--------|-------------|-------------|-----|---|---|
| HONE:<br>AMPLED BY: | 404-329-9006  | FAX:        | 404-329-                  | 2057    |           |                       | 200.8)                   |                     |        |             |             |     | www.aesatlanta.com<br>to check on the status of   |   |
|                     | Tim Royer   | SIGNATURE   | ٠                         | 3       |           |                       | -                        |                     |        |             |             |     | your results, place bottle<br>orders, etc.  |   |
| #                   | SAMPLE ID   | SAN         | MPLED                     | 0       | site      | des)                  | Lead                     |                     | DDESER |             |             |     |   |   |
| 1                   | 110/5/10205   | DATE        | TIME                      | Grab    | Composite | Matrix<br>(See codes) | T                        |                     | PRESER | VATION (See | codes)      |     | REMARKS   | 1 |
| 2                   | 4065-102017-DF-009-A<br>4065-102017-DF-009-B  | 10/20/17    | 0502                      | X       |           | DW                    | X                        |                     |        |             |             | -   |   | L |
| 3                   | 7005-102017-DF-009-R  | 10/20/17    | 0503                      | X       |           | DW                    | X                        |                     |        |             |             |     |   |   |
| 4                   |   |             | And I                     |         |           |                       |                          |                     |        |             |             |     |   | L |
| 5                   | National State of the State of | 1           |                           |         |           | 3                     |                          |                     |        |             |             |     |   | L |
| 6                   |   |             |                           |         |           |                       |                          |                     |        |             |             |     |   | - |
| 7                   |   |             |                           |         |           |                       |                          |                     |        |             |             |     |   | - |
| 8                   |   |             |                           |         |           |                       |                          |                     |        |             |             |     |   | - |
| 9                   | 1   |             |                           |         |           |                       |                          |                     |        |             |             |     |   | _ |
| 10                  |   |             |                           |         |           |                       |                          |                     |        |             | 7           |     |   | - |
| 11                  |   |             |                           | -       | -         |                       |                          |                     |        |             |             |     |   | - |
| 12                  |   |             |                           | -       | -         |                       | -                        |                     |        | - 4         |             |     | 777 100 100 100 100   | _ |
| 13                  |   |             |                           |         | -         |                       |                          |                     |        |             |             |     |   | _ |
| 14                  |   |             |                           | -       | -         |                       | +                        |                     |        |             |             |     |   | - |
| 15                  |   |             |                           |         | -         |                       | +                        |                     |        |             |             |     |   | _ |
| NQUISHED B          | Y DATE/TIME   | RECEIVED BY |                           |         | DA        | TE/TIME               |                          |                     |        |             |             |     | CONTRACTOR OF THE PARTY OF THE | _ |
| (                   | 8 10/20/17 1225   | All         | 3 1                       | 100/    | B25       |                       | PROJECT NA               | ME:                 | DCSD   | INFORMAT    | ION         |     | RECEIPT Total # of Containers   |   |
|                     |   |             |                           |         |           |                       | ROJECT #:                |                     | 1561-1 | 601         | mhice       |     | Turnaround Time Request   | - |
|                     |   | 3:          |                           |         |           | S                     | ITE ADDRES               | SS:                 | 400    | 05          |             |     | O Standard 5 Business Days  |   |
| AL INSTRUC          | TIONS/COMMENTS:   |             | CITIDA (ESTERA)           |         |           |                       | END REPOR                |                     | leon   | a-miles@    | aem-net.com |     | 2 Business Day Rush Next Business Day Rush  |   |
| reser               | ve at lab   | OUT /       |                           | VIA:    |           | (1                    | NVOICE TO:<br>F DIFFEREN | Leona I<br>T FROM A | Miles  |             | -17-16-     | -   | Next Business Day Rush Same Day Rush (auth req.) Other: 10 business Days  |   |
| to I                |   | GPEVI       | FedEx UPS                 | 44.5    |           | _                     |                          | ak'i                |        |             |             | 100 | ATE PROGRAM (if any):   | _ |
| LES RECEIV          | VED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RESPOSED OF 30 DAYS AFTER COMPLETION OF REPORT U  | CERTIFIE    |                           |         |           | Q                     | UOTE #:                  |                     |        | PO#:        |             | D.A | mail? Y/N; Fax? Y/N<br>ATA PACKAGE: I II III IV   |   |

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-102017-DF-009-A

 Project Name:
 DCSD - 4065
 Collection Date:
 10/20/2017 5:02:00 AM

 Lab ID:
 1710K60-001
 Matrix:
 Drinking Water

| Analyses                 |        | Result | Reporting<br>Limit | Qual | Units | BatchID | Dilution<br>Factor | Date Analyzed    | Analyst |
|--------------------------|--------|--------|--------------------|------|-------|---------|--------------------|------------------|---------|
| Trace Elements by ICP/MS | E200.8 |        |                    |      | (E2   | 200.2)  |                    |                  |         |
| Lead                     |        | BRL    | 1.00               |      | ug/L  | 250331  | . 1                | 10/27/2017 05:56 | JR      |

Date:

30-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

 Client:
 Atlanta Environmental Mgmt
 Client Sample ID:
 4065-102017-DF-009-B

 Project Name:
 DCSD - 4065
 Collection Date:
 10/20/2017 5:03:00 AM

 Lab ID:
 1710K60-002
 Matrix:
 Drinking Water

Reporting Dilution Qual Units BatchID Analyses Result Date Analyzed Analyst Limit Factor **Trace Elements by ICP/MS** E200.8 (E200.2)2.73 1.00 ug/L 250331 10/27/2017 06:02 JR Lead

Date:

30-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 4 of 6



#### SAMPLE/COOLER RECEIPT CHECKLIST

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

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

Client: Atlanta Environmental Mgmt

**Project Name:** DCSD - 4065 **Workorder:** 1710K60

# ANALYTICAL QC SUMMARY REPORT

Date:

30-Oct-17

BatchID: 250331

| Sample ID: <b>MB-250331</b>       | Client ID: |                         |           |             | Uni  | ts: ug/L     | Prep Date:         | 10/23/2017 | Run No: <b>355068</b>  |
|-----------------------------------|------------|-------------------------|-----------|-------------|------|--------------|--------------------|------------|------------------------|
| SampleType: MBLK                  | TestCode:  | Trace Elements by ICP/M | IS E200.8 |             | Bate | chID: 250331 | Analysis Date:     | 10/23/2017 | Seq No: <b>7816088</b> |
| Analyte                           | Result     | RPT Limit               | SPK value | SPK Ref Val | %REC | Low Limit    | High Limit RPD Ret | f Val %RPI | RPD Limit Qual         |
| Lead                              | BRL        | 1.00                    |           |             |      |              |                    |            |                        |
| Sample ID: LCS-250331             | Client ID: |                         |           |             | Uni  | ts: ug/L     | Prep Date:         | 10/23/2017 | Run No: <b>355068</b>  |
| SampleType: LCS                   | TestCode:  | Trace Elements by ICP/M | IS E200.8 |             | Bate | chID: 250331 | Analysis Date:     | 10/23/2017 | Seq No: <b>7816089</b> |
| Analyte                           | Result     | RPT Limit               | SPK value | SPK Ref Val | %REC | Low Limit    | High Limit RPD Ret | f Val %RPI | O RPD Limit Qual       |
| Lead                              | 93.42      | 1.00                    | 100.0     |             | 93.4 | 85           | 115                |            |                        |
| Sample ID: 1710I15-001AMS         | Client ID: |                         |           |             | Uni  | ts: ug/L     | Prep Date:         | 10/23/2017 | Run No: <b>355068</b>  |
| SampleType: MS                    | TestCode:  | Trace Elements by ICP/M | IS E200.8 |             | Bate | chID: 250331 | Analysis Date:     | 10/23/2017 | Seq No: <b>7816091</b> |
| Analyte                           | Result     | RPT Limit               | SPK value | SPK Ref Val | %REC | Low Limit    | High Limit RPD Ret | f Val %RPI | RPD Limit Qual         |
| Lead                              | 100.5      | 1.00                    | 100.0     | 8.693       | 91.8 | 70           | 130                |            |                        |
| Sample ID: 1710K42-008AMS         | Client ID: |                         |           |             | Uni  | ts: ug/L     | Prep Date:         | 10/23/2017 | Run No: 355068         |
| SampleType: MS                    | TestCode:  | Trace Elements by ICP/M | IS E200.8 |             | Bate | chID: 250331 | Analysis Date:     | 10/23/2017 | Seq No: <b>7816094</b> |
| Analyte                           | Result     | RPT Limit               | SPK value | SPK Ref Val | %REC | Low Limit    | High Limit RPD Ref | f Val %RPI | RPD Limit Qual         |
| Lead                              | 105.7      | 1.00                    | 100.0     | 13.16       | 92.5 | 70           | 130                |            |                        |
| Sample ID: <b>1710I15-001AMSD</b> | Client ID: |                         |           |             | Uni  | ts: ug/L     | Prep Date:         | 10/23/2017 | Run No: <b>355068</b>  |
| SampleType: MSD                   | TestCode:  | Trace Elements by ICP/M | IS E200.8 |             | Bate | chID: 250331 | Analysis Date:     | 10/23/2017 | Seq No: <b>7816092</b> |
| Analyte                           | Result     | RPT Limit               | SPK value | SPK Ref Val | %REC | Low Limit    | High Limit RPD Ref | f Val %RPI | RPD Limit Qual         |
| Lead                              | 100.3      | 1.00                    | 100.0     | 8.693       | 91.6 | 70           | 130 100.5          | 0.150      | 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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