

**LIMITED LEAD AND COPPER IN DRINKING
WATER SAMPLING**

**Anderson Elementary
4199 Old Rock Cut Road
Conley, Georgia, 30288**

GLE Project No.: 18000-18861

Prepared for:

**Clayton County Public Schools
1058 Fifth Avenue
Jonesboro, Georgia 30236**

April 2018

Prepared by:



**1100 Spring Street NW, Suite 820
Atlanta, Georgia 30309
404-373-3844 • Fax 404-373-3927**

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1.0 INTRODUCTION

GLE was contracted by Clayton County Public Schools (CCPS), through RFP No. 017-17, to perform water collection and testing services for lead and copper at Anderson Elementary. The purpose of the contracted project was to collect and test water samples taken from CCPS drinking, cooking, and nursing water outlets to identify the presence of lead and copper in the water of CCPS schools and administrative/support buildings. Outlets not used for drinking, such as restroom faucets, maintenance areas, and science labs were excluded from this scope of work. The testing was generally performed in accordance with the Environmental Protection Agency (EPA)'s 3Ts for Reducing Lead in Drinking Water in Schools Technical Guidance Document (revised October 2006).

On March 21, 2018, Ms. Katrina Riley, Ms. Isis Hamilton, and Ms. Kerry Borders of GLE Associates, Inc. (GLE), performed lead and copper in drinking water sampling of Client-designated drinking water fountains and outlets used for drinking, cooking, and/or nursing located within Anderson Elementary located at 4199 Old Rock Cut Road, in Conley, Georgia. According to the Client's representative, Anderson Elementary was originally constructed in 1971, with major renovations or additions in 1996, 1999, and 2013. It is our understanding that no previous water testing has been conducted at Anderson Elementary.

2.0 INVENTORY AND SAMPLING PLANS

Prior to the sampling event, on February 19, 2018, GLE mobilized to the site to inventory the existing outlets at the facility to devise a sampling plan. Further, GLE submitted a Plumbing Profile to CCPS to complete prior to sampling. Based on the results of GLE's inventory and CCPS's plumbing profile, a sampling plan was created and provided to CCPS. A copy of the Sampling Plan with the sample number identifying sample areas is included in **Appendix C**.

3.0 LEAD AND COPPER IN DRINKING WATER SAMPLING PROCEDURES

Prior to the sampling event, a Client-designated representative flushed all drinking, cooking, and nursing water outlets the night before each sampling event (or between at least eight to 18 hours prior to the sampling event). Refrigerated drinking water fountains were flushed for 15 minutes. Non-refrigerated fountains and faucets used for drinking and cleaning were run for 30 seconds to one minute or until cold. The flushing was performed of the Client-designated faucets located furthest away from the service line on each wing and floor of the building, and were flushed for 10 minutes. Once the flushing was complete, CCPS personnel logged the completion date and time on the outlet flushed. GLE confirmed the eight to 18 hour window prior to taking sample from flushed outlets.

GLE assumed that the water supply lines and outlets in the assessed building were operating properly at the time of sampling. One representative water sample for lead and copper analysis was collected from each outlet identified in the sampling plan utilizing sterile, 250 milliliter (mL) sampling bottles preserved with nitric acid (HNO₃). The sample was collected immediately after activating the water fountain or outlet, described in this report as "first draw".

The collected samples were submitted to Analytical Environmental Services (AES), a qualified laboratory in Atlanta, Georgia, for analysis. The samples were analyzed for lead and copper in water by Inductively Coupled Plasma/Mass Spectroscopy (ICP/MS) in general accordance with EPA Method 200.8. A summary of the sampling locations and the associated analytical results are summarized below and in the attached table. The laboratory report and chain of custody are located in **Appendix A**. A copy of the laboratory's certification is included in **Appendix B**.

4.0 LEAD AND COPPER IN DRINKING WATER SAMPLING FINDINGS

A total of 49 water samples were collected for analysis of lead and copper content, comprised of one water sample (first draw) from each Client-designated water fountain or outlet at the above-referenced school. The sample ID consisted of "W" for water, sample number, followed by A for first draw. A summary of the analytical results for the lead and copper in drinking water sampling follows in **Table 4.1: Summary of Lead and Copper in Drinking Water Sampling Results**. The reporting limit for the lead sample analysis was 1.00 microgram per liter ($\mu\text{g/L}$) or parts per billion (ppb) and for copper sample analysis was 5.00 micrograms per liter ($\mu\text{g/L}$) or parts per billion (ppb).

According to the EPA's 3Ts for Reducing Lead in Drinking Water in Schools Technical Guidance Document (revised October 2006), EPA recommends that water fountains and/or outlets be taken out of service if the lead level exceeds **20 $\mu\text{g/L}$ or ppb** and if the copper level exceeds **1,300 $\mu\text{g/L}$ or ppb**. Public water supply (PWS) systems are subject to an action level (AL) of **15 $\mu\text{g/L}$ or ppb** for treatment (specifically, if more than 10% of samples at residences tested exceed 15 ppb, system-wide corrosion control treatment may be necessary). For the purposes of this sampling event CCPS is taking corrective action for samples reported at or greater than **15 $\mu\text{g/L}$ or ppb**.

TABLE 4.1: SUMMARY OF LEAD AND COPPER IN DRINKING WATER SAMPLING RESULTS
ANDERSON ELEMENTARY
4199 OLD ROCK CUT ROAD
CONLEY, GEORGIA 30288

SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W1A	MEDIA CENTER WORK ROOM SINK	5.65	137
W2A	DRINKING WATER FOUNTAIN	BRL	35.9
W3A	3 RD GRADE HALLWAY DRINKING WATER	BRL	53.1
W4A	3 RD GRADE HALLWAY DRINKING WATER	BRL	53.9
W5A	CLASSROOM-122 DRINKING WATER	BRL	90.5
W6A	CLASSROOM -122 FAUCET	BRL	99.7
W7A	CLASSROOM -124 DRINKING WATER	BRL	124
W8A	CLASSROOM -124 FAUCET	BRL	149
W9A	CLASSROOM -126 DRINKING WATER	BRL	125
W10A	CLASSROOM - 126 FAUCET	BRL	151
W11A	CLASSROOM -129 DRINKING WATER	BRL	241
W12A	CLASSROOM -129 FAUCET	BRL	151
W13A	CLASSROOM -127 DRINKING WATER	BRL	128
W14A	CLASSROOM -127 FAUCET	BRL	144
W15A	CLASSROOM -125 DRINKING WATER	BRL	144

TABLE 4.1: SUMMARY OF LEAD AND COPPER IN DRINKING WATER SAMPLING RESULTS ANDERSON ELEMENTARY 4199 OLD ROCK CUT ROAD CONLEY, GEORGIA 30288			
SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W16A	CLASSROOM -125 FAUCET	BRL	146
W17A	CLASSROOM -123 DRINKING WATER	BRL	133
W18A	CLASSROOM -123 FAUCET	1.53	123
W19A	MEDIA CENTER HALL DRINKING WATER FOUNTAIN -RIGHT	BRL	31.9
W20A	MEDIA CENTER HALL DRINKING WATER FOUNTAIN - LEFT	BRL	47.4
W21A	CLASSROOM - 109 FAUCET	BRL	210
W22A	CLASSROOM -108 DRINKING WATER	BRL	175
W23A	CLASSROOM -108 FAUCET	BRL	138
W24A	GYM DRINKING WATER FAUCET	BRL	96.9
W25A	CAFETERIA DRINKING WATER FAUCET- RIGHT	BRL	63.6
W26A	CAFETERIA BOTTLE FOUNTAIN-RIGHT	1.41	140
W27A	CAFETERIA DRINKING WATER FAUCET-LEFT	1.73	146
W28A	CAFETERIA BOTTLE FOUNTAIN- LEFT	BRL	123
W29A	KITCHEN (REFER TO APPENDIX C FOR EXACT LOCATION)	3.49	106
W30A	KITCHEN (REFER TO APPENDIX C FOR EXACT LOCATION)	2.62	79.8

TABLE 4.1: SUMMARY OF LEAD AND COPPER IN DRINKING WATER SAMPLING RESULTS ANDERSON ELEMENTARY 4199 OLD ROCK CUT ROAD CONLEY, GEORGIA 30288			
SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W31A	KITCHEN (REFER TO APPENDIX C FOR EXACT LOCATION)	1.40	137
W32A	KITCHEN (REFER TO APPENDIX C FOR EXACT LOCATION)	1.25	98.6
W33A	KITCHEN (REFER TO APPENDIX C FOR EXACT LOCATION)	2.48	109
W34A	KITCHEN (REFER TO APPENDIX C FOR EXACT LOCATION)	2.25	127
W35A	KITCHEN-STEAMER	1.43	111
W36A	KITCHEN-ICEMAKER	BRL	BRL
W37A	C(REFER TO APPENDIX C FOR EXACT LOCATION)	2.62	175
W38A	KINDERGARTEN HALL DRINKING WATER FOUNTAIN	BRL	63.2
W39A	CLASSROOM -101 DRINKING WATER	BRL	98.6
W40A	CLASSROOM -102 DRINKING WATER	BRL	102
W41A	CLASSROOM -102 FAUCET	BRL	147
W42A	CLASSROOM -103 DRINKING WATER	BRL	86.1
W43A	CLASSROOM -103 FAUCET	BRL	132
W44A	CLASSROOM -104 DRINKING WATER	1.17	141
W45A	CLASSROOM -104 FAUCET	BRL	97.5

TABLE 4.1: SUMMARY OF LEAD AND COPPER IN DRINKING WATER SAMPLING RESULTS ANDERSON ELEMENTARY 4199 OLD ROCK CUT ROAD CONLEY, GEORGIA 30288			
SAMPLE NUMBER	TEST LOCATION	FIRST DRAW- LEAD SAMPLE RESULTS (µg/L)	FIRST DRAW- COPPER SAMPLE RESULTS (µg/L)
W46A	CLASSROOM -105 DRINKING WATER	BRL	140
W47A	CLASSROOM -105 FAUCET	BRL	104
W48A	CLINIC DRINKING WATER	3.98	155
W49A	MAILROOM FAUCET	2.66	154

BRL – Below Reporting Limits

µg/L – micrograms per liter

Results in **bold** indicate levels above the EPA PWS Action Level of 15 µg/L for Lead or 1300 µg/L for copper in Drinking Water

5.0 CONCLUSIONS

Based on the findings of the drinking water sampling, GLE offers the following conclusions:

1. A total of 49 water samples were collected for analysis of lead and copper content, comprised of one water sample from each Client-designated water drinking water fountains and outlets used for drinking, cooking, and/or nursing outlets at the Anderson Elementary.
2. None of the 49 samples collected were reported to be greater than the EPA PWS AL of 15 µg/L for lead in drinking water.
3. None of the 49 samples collected were reported to be greater than the EPA PWS AL of 1,300 µg/L for copper in drinking water.
4. 15 of the 49 first draw water samples indicated detectable levels of lead. None of the 49 first draw water samples with detectable levels of lead were greater than the EPA PWS AL of 15µg/L.
5. 48 of the 49 first draw water samples indicated detectable levels of copper. None of the 49 first draw water samples with detectable levels of lead were greater than the EPA PWS AL of 1,300µg/L

6.0 LIMITATIONS

The results of this assessment apply only to those specific Client-designated water outlets sampled. Per the EPA sampling guidelines, large variations in lead concentrations may be found among individual outlets in a facility because of difference in flow rates and/or building materials; therefore, this assessment is limited to the conditions encountered at the date and time of the sampling event.

APPENDIX A
Laboratory Analytical Results and
Chain of Custody



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 30, 2018

Kerry Borders
GLE Associates

1100 Spring St. NW
Atlanta GA 30309

RE: CCPS-Anderson ES (101)

Dear Kerry Borders:

Order No: 1803L26

Analytical Environmental Services, Inc. received 49 samples on 3/21/2018 8:09:00 AM
for the analyses presented in following report.

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

AES's accreditations are as follows:

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

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

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

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.

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,

Katherine Forman
Project Manager



Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

Work Order: 1903626

CHAIN OF CUSTODY

Date: 3/21/18 Page 1 of 3

AES Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188		COMPANY: GLE Associates, Inc. PHONE: 404-373-3844 SAMPLED BY: Katrina Riley		ADDRESS: 1100 Spring Street NW Atlanta, GA 30309 kriley@gleassociates.com kborders@gleassociates.com SIGNATURE: [Signature]		ANALYSIS REQUESTED <table border="1" style="width:100%; height: 100px; border-collapse: collapse;"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																														Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers
#	SAMPLE ID	DATE	TIME	GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)										REMARKS / location																					
1	W1-A	3/21/18	3:08am	X		DW	XX												mc Work Room sink	1																		
2	W2-A		0312																Fountain DW	1																		
3	W3-A		0315																DW 3rd grade HW	1																		
4	W4-A		0316																DW 3rd grade HW	1																		
5	W5-A		0320																CR-122 DW	1																		
6	W6-A		0321																CR-122 F	1																		
7	W7-A		03215																CL-124 DW	1																		
8	W8-A		03219																CR-124 F	1																		
9	W9-A		03287																CR-126 F	1																		
10	W10-A		03288																CR-126 F	1																		
11	W11-A		0320																CR-129 F	1																		
12	W12-A		0331																CR-129 F	1																		
13	W13-A		0332																CR-127 F	1																		
14	W14-A		03213																CR-127 F	1																		
RELINQUISHED BY: 1. [Signature] 03/21/18 7:05a 2. [Signature] 03/21/18 8:09am 3.		DATE/TIME: RECEIVED BY: 1. [Signature] 3/21/18 9:00am 2. [Signature] 3/21/18 2:02pm 3.		PROJECT INFORMATION PROJECT NAME: CCPS - Anderson ES (101) PROJECT #: 18000 - 18861 SITE ADDRESS: 4199 Rock Cut Road Conley, GA 30288 SEND REPORT TO: kborders@gleassociates.com INVOICE TO: GLE-Tampa, FL (IF DIFFERENT FROM ABOVE) QUOTE #: PO#:										RECEIPT Total # of Containers: 14 Turnaround Time (TAT) Request ☒ Standard 5 Business Days ☐ 2 Business Day Rush ☐ Next Business Day Rush ☐ Same-Day Rush (auth req.) ☐ Other _____ STATE PROGRAM (if any): E-mail? ☐ Fax? ☐ DATA PACKAGE: I ☐ II ☐ III ☐ IV ☐																								
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD OUT: / / VIA: IN: / / VIA: client FedEx UPS US mail courier Greyhound other:																																				

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) NA = None

ix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water
 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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CHAIN OF CUSTODY

Work Order: 1803424

Date: 03/21/18 Page 2 of 34

AES Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188 COMPANY: GLE Associates, inc.		ADDRESS: 1100 Spring Street, NW Atlanta, GA, 30309. EMAIL: Kiley@gleassociates.com kborders@gleassociates.com SIGNATURE: 		ANALYSIS REQUESTED 200.8 Ph 200.8 Crapper (w)										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers			
PHONE: 404 - 373 - 3844 SAMPLED BY: Katriana Riley		DATE/TIME: 3/21/18 0333		PRESERVATION (see codes)										REMARKS location					
#	SAMPLE ID	DATE	TIME	GRAB	COMPOSITE	MATRIX (see codes)													
1	W15-A	3/21/18	0333	X		DW	X	X										CR-125 F	1
2	W16-A		0334															CR-125 F	1
3	W17-A		0336															CR-123 F	1
4	W18-A		03367															CR-123 F	1
5	W19-A		0342															DWF Mc Hall	1
6	W20-A		0342															DWF Mc Hall	1
7	W21-A		0345															CR-102 F	1
8	W22-A		0348															CR-108 DW	1
9	W23-A		0349															CR108 F	1
10	W24-A		0350															DWF Gym	1
11	W25-A		0355															DWF Cafeteria	1
12	W26-A		0356															DWF cafeteria BF	1
13	W27-A		0357															DWF Cafeteria	1
14	W28-A		0358															DWF Cafeteria BF	1

RELINQUISHED BY: 1. 2. 3/21/18 8PM 3.		DATE/TIME: 3/21/18 0333 RECEIVED BY: Tampa Police 3/21/18 0333 1. 2. 3.		PROJECT INFORMATION PROJECT NAME: CCPs - Anderson Es (101) PROJECT #: 18000-18861 SITE ADDRESS: 4199 Rock cut Road Conley, GA, 30288 SEND REPORT TO: kborders@gleassociates.com INVOICE TO: (IF DIFFERENT FROM ABOVE) GLE - Tampa, FL QUOTE #: _____ PO#: _____				RECEIPT Total # of Containers 14 Turnaround Time (TAT) Request ☒ Standard 5 Business Days ☐ 2 Business Day Rush ☐ Next Business Day Rush ☐ Same-Day Rush (auth req.) ☐ Other _____ STATE PROGRAM (if any): _____ E-mail? ☐ Fax? ☐ DATA PACKAGE: I ☐ II ☐ III ☐ IV ☐ V	
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD OUT: / / VIA: IN: / / VIA: ☒ client FedEx UPS US mail courier Greyhound other: _____							

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with 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 WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

Attrib Codes: A = Air GW = Groundwater SE = Sediment SW = Soil SL = Soil/Lake
 Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

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Work Order: 1003420

CHAIN OF CUSTODY

Date: 03/21/18 Page 3 of 24

AES Phone: (770) 457-8177 / Toll Free: (800) 421-1555 / Fax: (770) 457-8178		COMPANY: GLE Associates, Inc. PHONE: 404-373-3844 SAMPLED BY: Katrina Riley		ADDRESS: 1100 Spring Street, NW Atlanta, GA, 30309 EMAIL: kriley@gleassociates.com kborders@gleassociates.com SIGNATURE: 		ANALYSIS REQUESTED 200.8 Pb 200.8 Copper										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers	
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)										REMARKS		
		DATE	TIME																
1	W29-A	03/21/18	0900	X		DW	X	X									C	1	
2	W30-A		0901														C	1	
3	W31-A		0902														C	1	
4	W32-A		0903														C	1	
5	W33-A		0901														C	1	
6	W34-A		0905														C	1	
7	W35-A		0909														Steamer	1	
8	W36-A		0917														Icebreaker	1	
9	W37-A		0920														C	1	
10	W38-A		0927														F Kindergarten	1	
11	W39-A		0930														CR101 DW	1	
12	W40-A		0931														CR102 DW	1	
13	W41-A		0932														CR102 F	1	
14	W42-A		0934														CR103	1	
RELINQUISHED BY: 1. 2. 3/21/18 8:00 am 3. 3/21/18 8:00 am		DATE/TIME: 1. 2. 3/21/18 8:00 am 3. 3/21/18 8:00 am		RECEIVED BY: 1. 2. 3/21/18 8:00 am 3. 3/21/18 8:00 am		PROJECT INFORMATION PROJECT NAME: CCPS - Anderson ES (101) PROJECT #: 18000-18861 SITE ADDRESS: 4199 Rock Cut Road Conley, GA, 30128 SEND REPORT TO: kborders@gleassociates.com INVOICE TO: (IF DIFFERENT FROM ABOVE) GLE - Tampa, FL QUOTE #: _____ PO#: _____										RECEIPT Total # of Containers: 14 Turnaround Time (TAT) Request ☒ Standard 5 Business Days ☐ 2 Business Day Rush ☐ Next Business Day Rush ☐ Same-Day Rush (auth req.) ☐ Other _____			
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD OUT: / / VIA: IN: / / VIA: client FedEx UPS US mail courier Greyhound other: _____														STATE PROGRAM (if any): _____ E-mail? ☐ Fax? ☐ DATA PACKAGE: I ☐ II ☐ III ☐ IV ☐	

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

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CHAIN OF CUSTODY

Work Order: 1056

Date: 03/21/18 Page 4 of 4

COMPANY: GLE Associates, Inc.		ADDRESS: 1100 Spring Street NW, Atlanta, GA, 30309.		ANALYSIS REQUESTED												Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers			
PHONE: 404-373-3844		EMAIL: kriley@gleassociates.com kborder@gleassociates.com		200.8 Pb 200.8 Copper (Cu)												REMARKS					
SAMPLED BY: Katrina Riley		SIGNATURE: X																			
#	SAMPLE ID	SAMPLED: DATE TIME		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)												REMARKS		
1	W43-A	03/21/18	0235	X		DW															
2	W44-A		032740																CR103 F	1	
3	W45-A		082840																CR104 DW	1	
4	W46-A		0444																CR104 F	1	
5	W47-A		04484																CR105 DW	1	
6	W48-A		044898																CR105 F	1	
7	W49A		0449																office DW clinic	1	
8	W50-A																		office f mailroom	1	
9																					
10																					
11																					
12																					
13																					
14																					
RELINQUISHED BY:		DATE/TIME:	RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION												RECEIPT		
1.			1.				PROJECT NAME: CCPS - Anderson ES (101)												Total # of Containers		
2.			2.				PROJECT #: 1800 - 18861												Turnaround Time (TAT) Request		
3.			3.				SITE ADDRESS: 4199 Rock Cut Road Conley, GA 30288												☒ Standard 5 Business Days		
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		OUT: / / VIA: IN: / VIA: client FedEx UPS US mail courier Greyhound other: _____		SEND REPORT TO: kborder@gleassociates.com												☐ 2 Business Day Rush			
						INVOICE TO: (IF DIFFERENT FROM ABOVE) GLE - Tampa, FL												☐ Next Business Day Rush			
						QUOTE #: _____ PO#: _____												☐ Same-Day Rush (auth req.) ☐ Other _____			
						STATE PROGRAM (if any): _____												E-mail? ☐ Fax? ☐			
						DATA PACKAGE: I ☐ II ☐ III ☐ IV ☐															

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with 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 WW = Waste Water W = Water (Blanks) DW = Drinking 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

White Copy - Original; Yellow Copy - Client
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Client: GLE Associates
Project: CCPS-Anderson ES (101)
Lab ID: 1803L26

Case Narrative

Sample Receiving Nonconformance:

Sample information on the Chain of Custody did not match that on the sample bottle labels for samples 1803L26-043, 1803L26-044, and 1803L26-045. The Chain of custody lists the collection times as 3:35, 3:40, and 3:40, respectively, however the bottle labels list the collection time as 4:35, 4:40, and 4:40 respectively. Due to matching sample IDs, the samples were logged in using the information on the COC.

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client: GLE Associates	Client Sample ID: W1-A
Project Name: CCPS-Anderson ES (101)	Collection Date: 3/21/2018 3:06:00 AM
Lab ID: 1803L26-001	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	137	5.00		ug/L	257808	1	03/23/2018 19:48	NG
Lead	5.65	1.00		ug/L	257808	1	03/23/2018 19:48	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W2-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:12:00 AM
Lab ID:	1803L26-002	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Copper	35.9	5.00		ug/L	257808	1	03/23/2018 20:19	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 20:19	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W3-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:15:00 AM
Lab ID:	1803L26-003	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Copper	53.1	5.00		ug/L	257808	1	03/23/2018 20:44	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 20:44	NG

Qualifiers:	*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
	BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
	H	Holding times for preparation or analysis exceeded	Narr	See case narrative
	N	Analyte not NELAC certified	NC	Not confirmed
	B	Analyte detected in the associated method blank	<	Less than Result value
	>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W4-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:16:00 AM
Lab ID:	1803L26-004	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Copper	53.9	5.00		ug/L	257808	1	03/23/2018 20:51	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 20:51	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W5-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:20:00 AM
Lab ID:	1803L26-005	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	90.5	5.00		ug/L	257808	1	03/23/2018 20:57	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 20:57	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W6-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:21:00 AM
Lab ID:	1803L26-006	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Copper	99.7	5.00		ug/L	257808	1	03/23/2018 21:03	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 21:03	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W7-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:25:00 AM
Lab ID:	1803L26-007	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	124	5.00		ug/L	257808	1	03/23/2018 21:10	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 21:10	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W8-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:25:00 AM
Lab ID:	1803L26-008	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	149	5.00		ug/L	257808	1	03/23/2018 21:16	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 21:16	NG

Qualifiers:	*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
	BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
	H	Holding times for preparation or analysis exceeded	Narr	See case narrative
	N	Analyte not NELAC certified	NC	Not confirmed
	B	Analyte detected in the associated method blank	<	Less than Result value
	>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W9-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:27:00 AM
Lab ID:	1803L26-009	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	125	5.00		ug/L	257808	1	03/23/2018 21:22	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 21:22	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W10-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:28:00 AM
Lab ID:	1803L26-010	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	151	5.00		ug/L	257808	1	03/23/2018 21:28	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 21:28	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W11-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:30:00 AM
Lab ID:	1803L26-011	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	241	5.00		ug/L	257808	1	03/23/2018 20:07	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 20:07	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W12-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:31:00 AM
Lab ID:	1803L26-012	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	151	5.00		ug/L	257808	1	03/23/2018 21:35	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 21:35	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W13-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:32:00 AM
Lab ID:	1803L26-013	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	128	5.00		ug/L	257808	1	03/23/2018 21:41	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 21:41	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W14-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:33:00 AM
Lab ID:	1803L26-014	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	144	5.00		ug/L	257808	1	03/23/2018 22:06	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 22:06	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W15-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:33:00 AM
Lab ID:	1803L26-015	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	144	5.00		ug/L	257808	1	03/23/2018 22:13	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 22:13	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W16-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:34:00 AM
Lab ID:	1803L26-016	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	146	5.00		ug/L	257808	1	03/23/2018 22:19	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 22:19	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W17-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:36:00 AM
Lab ID:	1803L26-017	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	133	5.00		ug/L	257808	1	03/23/2018 22:25	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 22:25	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W18-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:37:00 AM
Lab ID:	1803L26-018	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	123	5.00		ug/L	257808	1	03/23/2018 22:32	NG
Lead	1.53	1.00		ug/L	257808	1	03/23/2018 22:32	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W19-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:42:00 AM
Lab ID:	1803L26-019	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	31.9	5.00		ug/L	257808	1	03/23/2018 22:38	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 22:38	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W20-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:42:00 AM
Lab ID:	1803L26-020	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	47.4	5.00		ug/L	257808	1	03/23/2018 22:44	NG
Lead	BRL	1.00		ug/L	257808	1	03/23/2018 22:44	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W21-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:45:00 AM
Lab ID:	1803L26-021	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	210	5.00		ug/L	257809	1	03/23/2018 23:22	NG
Lead	BRL	1.00		ug/L	257809	1	03/23/2018 23:22	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W22-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:48:00 AM
Lab ID:	1803L26-022	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	175	5.00		ug/L	257809	1	03/23/2018 23:53	NG
Lead	BRL	1.00		ug/L	257809	1	03/23/2018 23:53	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W23-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:49:00 AM
Lab ID:	1803L26-023	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	138	5.00		ug/L	257809	1	03/24/2018 00:00	NG
Lead	BRL	1.00		ug/L	257809	1	03/24/2018 00:00	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W24-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:50:00 AM
Lab ID:	1803L26-024	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	96.9	5.00		ug/L	257809	1	03/24/2018 00:06	NG
Lead	BRL	1.00		ug/L	257809	1	03/24/2018 00:06	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W25-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:55:00 AM
Lab ID:	1803L26-025	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	63.6	5.00		ug/L	257809	1	03/24/2018 00:31	NG
Lead	BRL	1.00		ug/L	257809	1	03/24/2018 00:31	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W26-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:56:00 AM
Lab ID:	1803L26-026	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	140	5.00		ug/L	257809	1	03/24/2018 00:38	NG
Lead	1.41	1.00		ug/L	257809	1	03/24/2018 00:38	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc
Date: 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W27-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:57:00 AM
Lab ID:	1803L26-027	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	146	5.00		ug/L	257809	1	03/24/2018 00:44	NG
Lead	1.73	1.00		ug/L	257809	1	03/24/2018 00:44	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc
Date: 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W28-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:58:00 AM
Lab ID:	1803L26-028	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Copper	123	5.00		ug/L	257809	1	03/24/2018 00:50	NG
Lead	BRL	1.00		ug/L	257809	1	03/24/2018 00:50	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W29-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:00:00 AM
Lab ID:	1803L26-029	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	106	5.00		ug/L	257809	1	03/24/2018 00:57	NG
Lead	3.49	1.00		ug/L	257809	1	03/24/2018 00:57	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 30-Mar-18

Client: GLE Associates	Client Sample ID: W30-A
Project Name: CCPS-Anderson ES (101)	Collection Date: 3/21/2018 4:01:00 AM
Lab ID: 1803L26-030	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	79.8	5.00		ug/L	257809	1	03/24/2018 01:03	NG
Lead	2.62	1.00		ug/L	257809	1	03/24/2018 01:03	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W31-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:02:00 AM
Lab ID:	1803L26-031	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Copper	137	5.00		ug/L	257809	1	03/23/2018 23:41	NG
Lead	1.40	1.00		ug/L	257809	1	03/23/2018 23:41	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client: GLE Associates	Client Sample ID: W32-A
Project Name: CCPS-Anderson ES (101)	Collection Date: 3/21/2018 4:03:00 AM
Lab ID: 1803L26-032	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	98.6	5.00		ug/L	257809	1	03/24/2018 01:09	NG
Lead	1.25	1.00		ug/L	257809	1	03/24/2018 01:09	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc
Date: 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W33-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:01:00 AM
Lab ID:	1803L26-033	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Copper	109	5.00		ug/L	257809	1	03/24/2018 01:15	NG
Lead	2.48	1.00		ug/L	257809	1	03/24/2018 01:15	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W34-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:05:00 AM
Lab ID:	1803L26-034	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	127	5.00		ug/L	257809	1	03/24/2018 01:22	NG
Lead	2.25	1.00		ug/L	257809	1	03/24/2018 01:22	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc

Date: 30-Mar-18

Client: GLE Associates	Client Sample ID: W35-A
Project Name: CCPS-Anderson ES (101)	Collection Date: 3/21/2018 4:09:00 AM
Lab ID: 1803L26-035	Matrix: Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	111	5.00		ug/L	257809	1	03/24/2018 01:28	NG
Lead	1.43	1.00		ug/L	257809	1	03/24/2018 01:28	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W36-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:17:00 AM
Lab ID:	1803L26-036	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	BRL	5.00		ug/L	257809	1	03/24/2018 01:53	NG
Lead	BRL	1.00		ug/L	257809	1	03/24/2018 01:53	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W37-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:20:00 AM
Lab ID:	1803L26-037	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	175	5.00		ug/L	257809	1	03/24/2018 02:00	NG
Lead	2.62	1.00		ug/L	257809	1	03/24/2018 02:00	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W38-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:27:00 AM
Lab ID:	1803L26-038	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	63.2	5.00		ug/L	257809	1	03/24/2018 02:06	NG
Lead	BRL	1.00		ug/L	257809	1	03/24/2018 02:06	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W39-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:30:00 AM
Lab ID:	1803L26-039	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	98.6	5.00		ug/L	257809	1	03/24/2018 02:12	NG
Lead	BRL	1.00		ug/L	257809	1	03/24/2018 02:12	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W40-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:31:00 AM
Lab ID:	1803L26-040	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	102	5.00		ug/L	257809	1	03/24/2018 02:19	NG
Lead	BRL	1.00		ug/L	257809	1	03/24/2018 02:19	NG

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W41-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:32:00 AM
Lab ID:	1803L26-041	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	147	5.00		ug/L	257916	1	03/27/2018 14:00	DP
Lead	BRL	1.00		ug/L	257916	1	03/27/2018 14:00	DP

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W42-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:34:00 AM
Lab ID:	1803L26-042	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8					(E200.2)			
Copper	86.1	5.00		ug/L	257916	1	03/27/2018 14:02	DP
Lead	BRL	1.00		ug/L	257916	1	03/27/2018 14:02	DP

Qualifiers:	*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
	BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
	H	Holding times for preparation or analysis exceeded	Narr	See case narrative
	N	Analyte not NELAC certified	NC	Not confirmed
	B	Analyte detected in the associated method blank	<	Less than Result value
	>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W43-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:45:00 AM
Lab ID:	1803L26-043	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	132	5.00		ug/L	257916	1	03/27/2018 14:04	DP
Lead	BRL	1.00		ug/L	257916	1	03/27/2018 14:04	DP

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W44-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:40:00 AM
Lab ID:	1803L26-044	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	141	5.00		ug/L	257916	1	03/27/2018 14:06	DP
Lead	1.17	1.00		ug/L	257916	1	03/27/2018 14:06	DP

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W45-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 3:40:00 AM
Lab ID:	1803L26-045	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	97.5	5.00		ug/L	257916	1	03/27/2018 14:08	DP
Lead	BRL	1.00		ug/L	257916	1	03/27/2018 14:08	DP

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W46-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:44:00 AM
Lab ID:	1803L26-046	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	140	5.00		ug/L	257916	1	03/27/2018 14:10	DP
Lead	BRL	1.00		ug/L	257916	1	03/27/2018 14:10	DP

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W47-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:44:00 AM
Lab ID:	1803L26-047	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	104	5.00		ug/L	257916	1	03/27/2018 14:12	DP
Lead	BRL	1.00		ug/L	257916	1	03/27/2018 14:12	DP

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W48-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:48:00 AM
Lab ID:	1803L26-048	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	155	5.00		ug/L	257916	1	03/27/2018 14:13	DP
Lead	3.98	1.00		ug/L	257916	1	03/27/2018 14:13	DP

Qualifiers:

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

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

Analytical Environmental Services, Inc**Date:** 30-Mar-18

Client:	GLE Associates	Client Sample ID:	W49-A
Project Name:	CCPS-Anderson ES (101)	Collection Date:	3/21/2018 4:49:00 AM
Lab ID:	1803L26-049	Matrix:	Drinking Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Trace Elements by ICP/MS E200.8				(E200.2)				
Copper	154	5.00		ug/L	257916	1	03/27/2018 13:40	DP
Lead	2.66	1.00		ug/L	257916	1	03/27/2018 13:40	DP

Qualifiers:	*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
	BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
	H	Holding times for preparation or analysis exceeded	Narr	See case narrative
	N	Analyte not NELAC certified	NC	Not confirmed
	B	Analyte detected in the associated method blank	<	Less than Result value
	>	Greater than Result value	J	Estimated value detected below Reporting Limit

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: _____

AES Work Order Number: _____

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ☐ Courier ☐ Other _____

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

13. Cooler 1 Temperature _____ °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
 Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). _____

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?					
17. Custody seals present on sample containers?					
18. Custody seals intact on sample containers?					
19. Do sample container labels match the COC?				incomplete info ☐ 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 ☐ samples listed on COC not received ☐	
22. Was the sample collection date/time noted?					
23. Did we receive sufficient sample volume for indicated analyses?					
24. Were samples received in appropriate containers?					
25. Were VOA samples received without headspace (< 1/4" bubble)?					
26. Were trip blanks submitted?				listed on COC ☐ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). _____

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *					
29. Containers meet preservation guidelines?					
30. Was pH adjusted at Sample Receipt?					

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

Client: GLE Associates
 Project Name: CCPS-Anderson ES (101)
 Workorder: 1803L26

ANALYTICAL QC SUMMARY REPORT

BatchID: 257808

Sample ID: MB-257808	Client ID:					Units: ug/L	Prep Date: 03/22/2018	Run No: 366237			
SampleType: MBLK	TestCode: Trace Elements by ICP/MS E200.8					BatchID: 257808	Analysis Date: 03/23/2018	Seq No: 8100242			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper BRL 5.00

Lead BRL 1.00

Sample ID: LCS-257808	Client ID:					Units: ug/L	Prep Date: 03/22/2018	Run No: 366237			
SampleType: LCS	TestCode: Trace Elements by ICP/MS E200.8					BatchID: 257808	Analysis Date: 03/23/2018	Seq No: 8100243			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper 109.6 5.00 100.0 0.4365 109 85 115

Lead 105.9 1.00 100.0 106 85 115

Sample ID: 1803L26-001AMS	Client ID: W1-A				Units: ug/L	Prep Date: 03/22/2018	Run No: 366237				
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8				BatchID: 257808	Analysis Date: 03/23/2018	Seq No: 8100245				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper 244.1 5.00 100.0 136.8 107 70 130

Lead 113.1 1.00 100.0 5.646 107 70 130

Sample ID: 1803L26-011AMS	Client ID: W11-A	Units: ug/L				Prep Date: 03/22/2018	Run No: 366237				
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 257808				Analysis Date: 03/23/2018	Seq No: 8100248				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper 344.7 5.00 100.0 241.0 104 70 130

Lead 104.6 1.00 100.0 105 70 130

Sample ID: 1803L26-001AMSD	Client ID: W1-A	Units: ug/L			Prep Date: 03/22/2018	Run No: 366237					
SampleType: MSD	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 257808			Analysis Date: 03/23/2018	Seq No: 8100246					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper 232.4 5.00 100.0 136.8 95.6 70 130 244.1 4.93 20

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: GLE Associates
Project Name: CCPS-Anderson ES (101)
Workorder: 1803L26

ANALYTICAL QC SUMMARY REPORT

BatchID: 257808

Sample ID: 1803L26-001AMSD	Client ID: W1-A					Units: ug/L	Prep Date: 03/22/2018	Run No: 366237			
SampleType: MSD	TestCode: Trace Elements by ICP/MS E200.8					BatchID: 257808	Analysis Date: 03/23/2018	Seq No: 8100246			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	111.0	1.00	100.0	5.646	105	70	130	113.1	1.92	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: GLE Associates
 Project Name: CCPS-Anderson ES (101)
 Workorder: 1803L26

ANALYTICAL QC SUMMARY REPORT

BatchID: 257809

Sample ID: MB-257809	Client ID:					Units: ug/L	Prep Date: 03/22/2018	Run No: 366238			
SampleType: MBLK	TestCode: Trace Elements by ICP/MS E200.8					BatchID: 257809	Analysis Date: 03/23/2018	Seq No: 8100319			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper BRL 5.00
 Lead BRL 1.00

Sample ID: LCS-257809	Client ID:	Units: ug/L					Prep Date: 03/22/2018	Run No: 366238			
SampleType: LCS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 257809					Analysis Date: 03/23/2018	Seq No: 8100320			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper 99.66 5.00 100.0 0.3897 99.3 85 115
 Lead 101.6 1.00 100.0 102 85 115

Sample ID: 1803L26-021AMS	Client ID: W21-A	Units: ug/L			Prep Date: 03/22/2018	Run No: 366238					
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 257809			Analysis Date: 03/23/2018	Seq No: 8100322					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper 307.5 5.00 100.0 209.6 97.8 70 130
 Lead 101.4 1.00 100.0 101 70 130

Sample ID: 1803L26-031AMS	Client ID: W31-A	Units: ug/L			Prep Date: 03/22/2018	Run No: 366238					
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 257809			Analysis Date: 03/23/2018	Seq No: 8100333					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper 236.1 5.00 100.0 137.2 98.9 70 130
 Lead 100.5 1.00 100.0 1.399 99.1 70 130

Sample ID: 1803L26-021AMSD	Client ID: W21-A	Units: ug/L				Prep Date: 03/22/2018	Run No: 366238				
SampleType: MSD	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 257809				Analysis Date: 03/23/2018	Seq No: 8100323				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper 307.3 5.00 100.0 209.6 97.7 70 130 307.5 0.040 20

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: GLE Associates
Project Name: CCPS-Anderson ES (101)
Workorder: 1803L26

ANALYTICAL QC SUMMARY REPORT

BatchID: 257809

Sample ID: 1803L26-021AMSD	Client ID: W21-A	Units: ug/L	Prep Date: 03/22/2018	Run No: 366238							
SampleType: MSD	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 257809	Analysis Date: 03/23/2018	Seq No: 8100323							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	103.5	1.00	100.0	0.4594	103	70	130	101.4	2.08	20	
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Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: GLE Associates
 Project Name: CCPS-Anderson ES (101)
 Workorder: 1803L26

ANALYTICAL QC SUMMARY REPORT

BatchID: 257916

Sample ID: MB-257916	Client ID:					Units: ug/L	Prep Date: 03/26/2018	Run No: 366390			
SampleType: MBLK	TestCode: Trace Elements by ICP/MS E200.8					BatchID: 257916	Analysis Date: 03/27/2018	Seq No: 8104256			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper BRL 5.00
 Lead BRL 1.00

Sample ID: LCS-257916	Client ID:					Units: ug/L	Prep Date: 03/26/2018	Run No: 366390			
SampleType: LCS	TestCode: Trace Elements by ICP/MS E200.8					BatchID: 257916	Analysis Date: 03/27/2018	Seq No: 8104259			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper 113.3 5.00 100.0 0.8207 112 85 115
 Lead 99.94 1.00 100.0 0.3366 99.6 85 115

Sample ID: 1803L26-049AMS	Client ID: W49-A	Units: ug/L			Prep Date: 03/26/2018	Run No: 366390					
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8	BatchID: 257916			Analysis Date: 03/27/2018	Seq No: 8104264					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper 263.0 5.00 100.0 154.1 109 70 130
 Lead 101.6 1.00 100.0 2.660 98.9 70 130

Sample ID: 1803P39-001AMS	Client ID:					Units: ug/L	Prep Date: 03/26/2018	Run No: 366390			
SampleType: MS	TestCode: Trace Elements by ICP/MS E200.8					BatchID: 257916	Analysis Date: 03/27/2018	Seq No: 8104261			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper 234.4 5.00 100.0 131.6 103 70 130
 Lead 101.3 1.00 100.0 2.884 98.4 70 130

Sample ID: 1803P39-001AMSD	Client ID:					Units: ug/L	Prep Date: 03/26/2018	Run No: 366390			
SampleType: MSD	TestCode: Trace Elements by ICP/MS E200.8					BatchID: 257916	Analysis Date: 03/27/2018	Seq No: 8104262			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper 237.0 5.00 100.0 131.6 105 70 130 234.4 1.07 20

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: GLE Associates
Project Name: CCPS-Anderson ES (101)
Workorder: 1803L26

ANALYTICAL QC SUMMARY REPORT

BatchID: 257916

Sample ID: 1803P39-001AMSD	Client ID:				Units: ug/L	Prep Date: 03/26/2018	Run No: 366390				
SampleType: MSD	TestCode: Trace Elements by ICP/MS E200.8				BatchID: 257916	Analysis Date: 03/27/2018	Seq No: 8104262				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	100.1	1.00	100.0	2.884	97.2	70	130	101.3	1.20	20	
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Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

APPENDIX B
Laboratory Certification



State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that



E87582

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 PRESIDENTIAL DRIVE
ATLANTA, GA 30340

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

DRINKING WATER - MICROBIOLOGY, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - MICROBIOLOGY, NON-POTABLE WATER - PESTICIDES-HERBICIDES-PCB'S, NON-POTABLE WATER - VOLATILE ORGANICS, SOLID AND CHEMICAL MATERIALS - EXTRACTABLE ORGANICS, SOLID AND CHEMICAL MATERIALS - GENERAL CHEMISTRY, SOLID AND CHEMICAL MATERIALS - METALS, SOLID AND CHEMICAL MATERIALS - PESTICIDES-HERBICIDES-PCB'S, SOLID AND CHEMICAL MATERIALS - VOLATILE ORGANICS, AIR AND EMISSIONS - VOLATILE ORGANICS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2017 Expiration Date: June 30, 2018



Susanne Crowe, MHA
Acting Chief, Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E87582-29-07/01/2017
Supersedes all previously issued certificates



Laboratory Scope of Accreditation

Page 1 of 34

Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**

EPA Lab Code: **GA00906**

(770) 457-8177

E87582

Analytical Environmental Services, Inc.

3080 Presidential Drive

Atlanta, GA 30340

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Antimony	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/2/2012
Arsenic	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/2/2012
Barium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/2/2012
Beryllium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/2/2012
Cadmium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/2/2012
Chromium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/2/2012
Copper	EPA 200.8	Primary Inorganic Contaminants, Secondary Inorganic Contaminants	NELAP	7/2/2012
Escherichia coli	SM 9223 B	Microbiology	NELAP	1/1/2002
Lead	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/2/2012
Nickel	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/2/2012
Selenium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/2/2012
Thallium	EPA 200.8	Primary Inorganic Contaminants	NELAP	7/2/2012
Total coliforms	SM 9223 B	Microbiology	NELAP	1/1/2002



Laboratory Scope of Accreditation

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,1,1-Trichloroethane	EPA 624	Volatile Organics	NELAP	11/26/2001
1,1,1-Trichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,1,2,2-Tetrachloroethane	EPA 624	Volatile Organics	NELAP	11/26/2001
1,1,2,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260	Volatile Organics	NELAP	5/25/2011
1,1,2-Trichloroethane	EPA 624	Volatile Organics	NELAP	11/26/2001
1,1,2-Trichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,1-Dichloroethane	EPA 624	Volatile Organics	NELAP	11/26/2001
1,1-Dichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,1-Dichloroethylene	EPA 624	Volatile Organics	NELAP	11/26/2001
1,1-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,1-Dichloropropene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2,3-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2,3-Trichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2,4,5-Tetrachlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,2,4-Trichlorobenzene	EPA 625	Extractable Organics	NELAP	11/26/2001
1,2,4-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2,4-Trichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,2,4-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8011	Volatile Organics	NELAP	7/1/2003
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8011	Volatile Organics	NELAP	7/1/2003
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2-Dichlorobenzene	EPA 624	Volatile Organics	NELAP	11/26/2001
1,2-Dichlorobenzene	EPA 625	Extractable Organics	NELAP	11/26/2001
1,2-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,2-Dichloroethane	EPA 624	Volatile Organics	NELAP	11/26/2001
1,2-Dichloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2-Dichloropropane	EPA 624	Volatile Organics	NELAP	11/26/2001
1,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,2-Diphenylhydrazine	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,3,5-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,3-Dichlorobenzene	EPA 624	Volatile Organics	NELAP	11/26/2001

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2017**Expiration Date: 6/30/2018**



Laboratory Scope of Accreditation

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,3-Dichlorobenzene	EPA 625	Extractable Organics	NELAP	11/26/2001
1,3-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,3-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,3-Dichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,3-Dinitrobenzene (1,3-DNB)	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,4-Dichlorobenzene	EPA 624	Volatile Organics	NELAP	11/26/2001
1,4-Dichlorobenzene	EPA 625	Extractable Organics	NELAP	11/26/2001
1,4-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
1,4-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260	Volatile Organics	NELAP	2/23/2006
1,4-Naphthoquinone	EPA 8270	Extractable Organics	NELAP	7/1/2003
1,4-Phenylenediamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
1-Chloronaphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2003
1-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	9/26/2008
1-Methylnaphthalene	EPA 8310	Extractable Organics	NELAP	9/26/2008
1-Naphthylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	7/1/2003
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 625	Extractable Organics	NELAP	11/26/2001
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,3,4,6-Tetrachlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,3-Dichloroaniline	EPA 625	Extractable Organics	NELAP	4/9/2014
2,4,5-T	EPA 615	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
2,4,5-T	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
2,4,5-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,4,6-Trichlorophenol	EPA 625	Extractable Organics	NELAP	11/26/2001
2,4,6-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,4-D	EPA 615	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
2,4-D	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
2,4-DB	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
2,4-Dichlorophenol	EPA 625	Extractable Organics	NELAP	11/26/2001
2,4-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,4-Dimethylphenol	EPA 625	Extractable Organics	NELAP	11/26/2001
2,4-Dimethylphenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,4-Dinitrophenol	EPA 625	Extractable Organics	NELAP	11/26/2001
2,4-Dinitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2017**Expiration Date: 6/30/2018**



Laboratory Scope of Accreditation

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
2,4-Dinitrotoluene (2,4-DNT)	EPA 625	Extractable Organics	NELAP	11/26/2001
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,6-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2,6-Dinitrotoluene (2,6-DNT)	EPA 625	Extractable Organics	NELAP	11/26/2001
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Acetylaminofluorene	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260	Volatile Organics	NELAP	7/1/2003
2-Chloroethyl vinyl ether	EPA 624	Volatile Organics	NELAP	11/26/2001
2-Chloroethyl vinyl ether	EPA 8260	Volatile Organics	NELAP	7/1/2003
2-Chloronaphthalene	EPA 625	Extractable Organics	NELAP	11/26/2001
2-Chloronaphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Chlorophenol	EPA 625	Extractable Organics	NELAP	11/26/2001
2-Chlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	7/1/2003
2-Hexanone	EPA 8260	Volatile Organics	NELAP	7/1/2003
2-Methyl-4,6-dinitrophenol	EPA 625	Extractable Organics	NELAP	11/26/2001
2-Methyl-4,6-dinitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Methylnaphthalene	EPA 8310	Extractable Organics	NELAP	9/26/2008
2-Methylphenol (o-Cresol)	EPA 625	Extractable Organics	NELAP	4/9/2014
2-Methylphenol (o-Cresol)	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Naphthylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Nitroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Nitrophenol	EPA 625	Extractable Organics	NELAP	11/26/2001
2-Nitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
2-Picoline (2-Methylpyridine)	EPA 8270	Extractable Organics	NELAP	7/1/2003
3,3'-Dichlorobenzidine	EPA 625	Extractable Organics	NELAP	11/26/2001
3,3'-Dichlorobenzidine	EPA 8270	Extractable Organics	NELAP	7/1/2003
3,3-Dimethyl-1-butanol	EPA 8260	Volatile Organics	NELAP	4/9/2014
3,3'-Dimethylbenzidine	EPA 8270	Extractable Organics	NELAP	7/1/2003
3/4-Methylphenols (m/p-Cresols)	EPA 625	Extractable Organics	NELAP	4/9/2014
3/4-Methylphenols (m/p-Cresols)	EPA 8270	Extractable Organics	NELAP	4/9/2014
3-Methylcholanthrene	EPA 8270	Extractable Organics	NELAP	7/1/2003
3-Nitroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2003
4,4'-DDD	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
4,4'-DDD	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**



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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
4,4'-DDE	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
4,4'-DDE	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
4,4'-DDT	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
4,4'-DDT	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
4-Aminobiphenyl	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Bromophenyl phenyl ether	EPA 625	Extractable Organics	NELAP	11/26/2001
4-Bromophenyl phenyl ether	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Chloro-3-methylphenol	EPA 625	Extractable Organics	NELAP	11/26/2001
4-Chloro-3-methylphenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Chloroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Chlorophenyl phenylether	EPA 625	Extractable Organics	NELAP	11/26/2001
4-Chlorophenyl phenylether	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	7/1/2003
4-Dimethyl aminoazobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Methyl-2-pentanone (MIBK)	EPA 8260	Volatile Organics	NELAP	7/1/2003
4-Methylphenol (p-Cresol)	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Nitroaniline	EPA 8270	Extractable Organics	NELAP	7/1/2003
4-Nitrophenol	EPA 625	Extractable Organics	NELAP	11/26/2001
4-Nitrophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
5-Nitro-o-toluidine	EPA 8270	Extractable Organics	NELAP	7/1/2003
7,12-Dimethylbenz(a) anthracene	EPA 8270	Extractable Organics	NELAP	7/1/2003
a,a-Dimethylphenethylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
Acenaphthene	EPA 610	Extractable Organics	NELAP	11/26/2001
Acenaphthene	EPA 625	Extractable Organics	NELAP	11/26/2001
Acenaphthene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Acenaphthene	EPA 8310	Extractable Organics	NELAP	7/1/2003
Acenaphthylene	EPA 610	Extractable Organics	NELAP	11/26/2001
Acenaphthylene	EPA 625	Extractable Organics	NELAP	11/26/2001
Acenaphthylene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Acenaphthylene	EPA 8310	Extractable Organics	NELAP	7/1/2003
Acetone	EPA 8260	Volatile Organics	NELAP	7/1/2003
Acetonitrile	EPA 8260	Volatile Organics	NELAP	7/1/2003
Acetophenone	EPA 625	Extractable Organics	NELAP	4/9/2014
Acetophenone	EPA 8270	Extractable Organics	NELAP	7/1/2003
Acidity, as CaCO ₃	SM 2310 B	General Chemistry	NELAP	6/22/2007
Acrolein (Propenal)	EPA 624	Volatile Organics	NELAP	11/26/2001

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**



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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Acrolein (Propenal)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Acrylonitrile	EPA 624	Volatile Organics	NELAP	11/26/2001
Acrylonitrile	EPA 8260	Volatile Organics	NELAP	7/1/2003
Aldrin	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Alkalinity as CaCO ₃	EPA 310.2	General Chemistry	NELAP	5/19/2004
Alkalinity as CaCO ₃	SM 2320 B	General Chemistry	NELAP	6/22/2007
Allyl chloride (3-Chloropropene)	EPA 8260	Volatile Organics	NELAP	7/1/2003
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
alpha-Chlordane	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
alpha-Terpineol	EPA 625	Extractable Organics	NELAP	4/9/2014
Aluminum	EPA 200.7	Metals	NELAP	11/26/2001
Aluminum	EPA 200.8	Metals	NELAP	3/31/2003
Aluminum	EPA 6010	Metals	NELAP	7/1/2003
Aluminum	EPA 6020	Metals	NELAP	3/31/2003
Amenable cyanide	SM 4500-CN- G	General Chemistry	NELAP	6/22/2007
Ammonia as N	EPA 350.1	General Chemistry	NELAP	11/26/2001
Aniline	EPA 625	Extractable Organics	NELAP	4/9/2014
Aniline	EPA 8270	Extractable Organics	NELAP	7/1/2003
Anthracene	EPA 610	Extractable Organics	NELAP	11/26/2001
Anthracene	EPA 625	Extractable Organics	NELAP	11/26/2001
Anthracene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Anthracene	EPA 8310	Extractable Organics	NELAP	7/1/2003
Antimony	EPA 200.7	Metals	NELAP	11/26/2001
Antimony	EPA 200.8	Metals	NELAP	3/31/2003
Antimony	EPA 6010	Metals	NELAP	7/1/2003
Antimony	EPA 6020	Metals	NELAP	3/31/2003
Aramite	EPA 8270	Extractable Organics	NELAP	5/19/2004
Aroclor-1016 (PCB-1016)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aroclor-1016 (PCB-1016)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Aroclor-1221 (PCB-1221)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aroclor-1221 (PCB-1221)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Aroclor-1232 (PCB-1232)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aroclor-1232 (PCB-1232)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Aroclor-1242 (PCB-1242)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**



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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582**

**Analytical Environmental Services, Inc.
3080 Presidential Drive
Atlanta, GA 30340**

Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Aroclor-1242 (PCB-1242)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Aroclor-1248 (PCB-1248)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aroclor-1248 (PCB-1248)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Aroclor-1254 (PCB-1254)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aroclor-1254 (PCB-1254)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Aroclor-1260 (PCB-1260)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aroclor-1260 (PCB-1260)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Aroclor-1262 (PCB-1262)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	5/25/2011
Aroclor-1268 (PCB-1268)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	5/25/2011
Arsenic	EPA 200.7	Metals	NELAP	11/26/2001
Arsenic	EPA 200.8	Metals	NELAP	3/31/2003
Arsenic	EPA 6010	Metals	NELAP	11/26/2001
Arsenic	EPA 6020	Metals	NELAP	3/31/2003
Atrazine	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	5/25/2011
Barium	EPA 200.7	Metals	NELAP	11/26/2001
Barium	EPA 200.8	Metals	NELAP	3/31/2003
Barium	EPA 6010	Metals	NELAP	7/1/2003
Barium	EPA 6020	Metals	NELAP	3/31/2003
Benzaldehyde	EPA 8270	Extractable Organics	NELAP	5/25/2011
Benzene	EPA 624	Volatile Organics	NELAP	11/26/2001
Benzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Benzidine	EPA 625	Extractable Organics	NELAP	11/26/2001
Benzidine	EPA 8270	Extractable Organics	NELAP	7/1/2003
Benzo(a)anthracene	EPA 610	Extractable Organics	NELAP	11/26/2001
Benzo(a)anthracene	EPA 625	Extractable Organics	NELAP	11/26/2001
Benzo(a)anthracene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Benzo(a)anthracene	EPA 8310	Extractable Organics	NELAP	7/1/2003
Benzo(a)pyrene	EPA 610	Extractable Organics	NELAP	11/26/2001
Benzo(a)pyrene	EPA 625	Extractable Organics	NELAP	11/26/2001
Benzo(a)pyrene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Benzo(a)pyrene	EPA 8310	Extractable Organics	NELAP	7/1/2003
Benzo(b)fluoranthene	EPA 610	Extractable Organics	NELAP	11/26/2001
Benzo(b)fluoranthene	EPA 625	Extractable Organics	NELAP	11/26/2001
Benzo(b)fluoranthene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Benzo(b)fluoranthene	EPA 8310	Extractable Organics	NELAP	7/1/2003
Benzo(g,h,i)perylene	EPA 610	Extractable Organics	NELAP	11/26/2001

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**



Laboratory Scope of Accreditation

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Benzo(g,h,i)perylene	EPA 625	Extractable Organics	NELAP	11/26/2001
Benzo(g,h,i)perylene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Benzo(g,h,i)perylene	EPA 8310	Extractable Organics	NELAP	7/1/2003
Benzo(k)fluoranthene	EPA 610	Extractable Organics	NELAP	11/26/2001
Benzo(k)fluoranthene	EPA 625	Extractable Organics	NELAP	11/26/2001
Benzo(k)fluoranthene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Benzo(k)fluoranthene	EPA 8310	Extractable Organics	NELAP	7/1/2003
Benzoic acid	EPA 8270	Extractable Organics	NELAP	7/1/2003
Benzyl alcohol	EPA 8270	Extractable Organics	NELAP	7/1/2003
Beryllium	EPA 200.7	Metals	NELAP	11/26/2001
Beryllium	EPA 200.8	Metals	NELAP	3/31/2003
Beryllium	EPA 6010	Metals	NELAP	7/1/2003
Beryllium	EPA 6020	Metals	NELAP	3/31/2003
beta-BHC (beta-Hexachlorocyclohexane)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Biochemical oxygen demand	SM 5210 B	General Chemistry	NELAP	6/22/2007
Biphenyl	EPA 8270	Extractable Organics	NELAP	5/25/2011
bis(2-Chloroethoxy)methane	EPA 625	Extractable Organics	NELAP	11/26/2001
bis(2-Chloroethoxy)methane	EPA 8270	Extractable Organics	NELAP	7/1/2003
bis(2-Chloroethyl) ether	EPA 625	Extractable Organics	NELAP	11/26/2001
bis(2-Chloroethyl) ether	EPA 8270	Extractable Organics	NELAP	7/1/2003
bis(2-Ethylhexyl) phthalate (DEHP)	EPA 625	Extractable Organics	NELAP	11/26/2001
bis(2-Ethylhexyl) phthalate (DEHP)	EPA 8270	Extractable Organics	NELAP	7/1/2003
Boron	EPA 200.7	Metals	NELAP	3/31/2003
Boron	EPA 6010	Metals	NELAP	2/23/2006
Bromide	EPA 300.0	General Chemistry	NELAP	2/21/2008
Bromide	EPA 9056	General Chemistry	NELAP	2/21/2008
Bromobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Bromochloromethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Bromodichloromethane	EPA 624	Volatile Organics	NELAP	11/26/2001
Bromodichloromethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Bromoform	EPA 624	Volatile Organics	NELAP	11/26/2001
Bromoform	EPA 8260	Volatile Organics	NELAP	7/1/2003
Butyl benzyl phthalate	EPA 625	Extractable Organics	NELAP	11/26/2001
Butyl benzyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Cadmium	EPA 200.7	Metals	NELAP	11/26/2001

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**



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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Cadmium	EPA 200.8	Metals	NELAP	3/31/2003
Cadmium	EPA 6010	Metals	NELAP	11/26/2001
Cadmium	EPA 6020	Metals	NELAP	3/31/2003
Calcium	EPA 200.7	Metals	NELAP	11/26/2001
Calcium	EPA 200.8	Metals	NELAP	11/14/2014
Calcium	EPA 6010	Metals	NELAP	7/1/2003
Calcium	EPA 6020	Metals	NELAP	2/23/2006
Caprolactam	EPA 8270	Extractable Organics	NELAP	5/25/2011
Carbazole	EPA 625	Extractable Organics	NELAP	4/9/2014
Carbazole	EPA 8270	Extractable Organics	NELAP	7/1/2003
Carbon disulfide	EPA 8260	Volatile Organics	NELAP	7/1/2003
Carbon tetrachloride	EPA 624	Volatile Organics	NELAP	11/26/2001
Carbon tetrachloride	EPA 8260	Volatile Organics	NELAP	7/1/2003
Carbonaceous BOD (CBOD)	SM 5210 B	General Chemistry	NELAP	11/26/2001
Chemical oxygen demand	EPA 410.4	General Chemistry	NELAP	11/26/2001
Chlordane (tech.)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Chlordane (tech.)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Chloride	EPA 300.0	General Chemistry	NELAP	11/26/2001
Chloride	EPA 9056	General Chemistry	NELAP	7/1/2003
Chlorobenzene	EPA 624	Volatile Organics	NELAP	11/26/2001
Chlorobenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Chlorobenzilate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Chloroethane	EPA 624	Volatile Organics	NELAP	11/26/2001
Chloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Chloroform	EPA 624	Volatile Organics	NELAP	11/26/2001
Chloroform	EPA 8260	Volatile Organics	NELAP	7/1/2003
Chlorophylls	SM 10200 H	General Chemistry	NELAP	3/31/2003
Chloroprene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Chromium	EPA 200.7	Metals	NELAP	11/26/2001
Chromium	EPA 200.8	Metals	NELAP	3/31/2003
Chromium	EPA 6010	Metals	NELAP	7/1/2003
Chromium	EPA 6020	Metals	NELAP	3/31/2003
Chromium VI	EPA 7196	General Chemistry	NELAP	7/1/2003
Chromium VI	SM 3500-Cr B (20th/21st/22nd Ed.)/UV-VIS	General Chemistry	NELAP	9/26/2008
Chrysene	EPA 610	Extractable Organics	NELAP	11/26/2001

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**



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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Chrysene	EPA 625	Extractable Organics	NELAP	11/26/2001
Chrysene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Chrysene	EPA 8310	Extractable Organics	NELAP	7/1/2003
cis-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	7/1/2003
cis-1,3-Dichloropropene	EPA 624	Volatile Organics	NELAP	11/26/2001
cis-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Cobalt	EPA 200.7	Metals	NELAP	11/26/2001
Cobalt	EPA 200.8	Metals	NELAP	3/31/2003
Cobalt	EPA 6010	Metals	NELAP	7/1/2003
Cobalt	EPA 6020	Metals	NELAP	3/31/2003
Color	SM 2120 B	General Chemistry	NELAP	2/21/2008
Color	SM 2120 E	General Chemistry	NELAP	5/25/2011
Conductivity	EPA 120.1	General Chemistry	NELAP	11/26/2001
Conductivity	EPA 9050	General Chemistry	NELAP	7/1/2003
Copper	EPA 200.7	Metals	NELAP	11/26/2001
Copper	EPA 200.8	Metals	NELAP	3/31/2003
Copper	EPA 6010	Metals	NELAP	11/26/2001
Copper	EPA 6020	Metals	NELAP	3/31/2003
Cyanide	SM 4500-CN E	General Chemistry	NELAP	6/22/2007
Cyclohexane	EPA 8260	Volatile Organics	NELAP	5/25/2011
Dalapon	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
delta-BHC	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
delta-BHC	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Diallate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Dibenz(a,h)anthracene	EPA 610	Extractable Organics	NELAP	11/26/2001
Dibenz(a,h)anthracene	EPA 625	Extractable Organics	NELAP	11/26/2001
Dibenz(a,h)anthracene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Dibenz(a,h)anthracene	EPA 8310	Extractable Organics	NELAP	7/1/2003
Dibenzofuran	EPA 8270	Extractable Organics	NELAP	7/1/2003
Dibromochloromethane	EPA 624	Volatile Organics	NELAP	11/26/2001
Dibromochloromethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Dibromomethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Dicamba	EPA 615	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Dicamba	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Dichlorodifluoromethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Dichloroprop (Dichlorprop)	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	7/1/2003

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Dieldrin	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Dieldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Diesel range organics (DRO)	EPA 8015	Extractable Organics	NELAP	7/1/2003
Diethyl ether	EPA 8015	Extractable Organics	NELAP	7/1/2003
Diethyl phthalate	EPA 625	Extractable Organics	NELAP	11/26/2001
Diethyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Dimethoate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Dimethyl phthalate	EPA 625	Extractable Organics	NELAP	11/26/2001
Dimethyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Di-n-butyl phthalate	EPA 625	Extractable Organics	NELAP	11/26/2001
Di-n-butyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Di-n-octyl phthalate	EPA 625	Extractable Organics	NELAP	11/26/2001
Di-n-octyl phthalate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Diphenylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
Disulfoton	EPA 8270	Extractable Organics	NELAP	7/1/2003
Endosulfan I	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Endosulfan I	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Endosulfan II	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Endosulfan II	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Endosulfan sulfate	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Endosulfan sulfate	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Endrin	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Endrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Endrin aldehyde	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Endrin aldehyde	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Endrin ketone	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Escherichia coli	SM 9223 B /QUANTI-TRAY	Microbiology	NELAP	11/14/2014
Ethane	RSK-175	Extractable Organics	NELAP	5/25/2011
Ethanol	EPA 8015	Volatile Organics	NELAP	7/1/2003
Ethanol	EPA 8260	Volatile Organics	NELAP	2/23/2006
Ethyl methacrylate	EPA 8260	Volatile Organics	NELAP	7/1/2003
Ethyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Ethylbenzene	EPA 624	Volatile Organics	NELAP	11/26/2001
Ethylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Ethylene	RSK-175	Extractable Organics	NELAP	5/25/2011

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State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Ethylene glycol	EPA 8015	Volatile Organics	NELAP	7/1/2003
Ethyl-t-butylether (ETBE)	EPA 8260	Volatile Organics	NELAP	4/9/2014
Famphur	EPA 8270	Extractable Organics	NELAP	7/1/2003
Fecal coliforms	SM 9222 D	Microbiology	NELAP	11/26/2001
Ferrous iron	SM 3500-Fe B (20th/21st Ed.)/UV-VIS	General Chemistry	NELAP	9/26/2008
Fluoranthene	EPA 610	Extractable Organics	NELAP	11/26/2001
Fluoranthene	EPA 625	Extractable Organics	NELAP	11/26/2001
Fluoranthene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Fluoranthene	EPA 8310	Extractable Organics	NELAP	7/1/2003
Fluorene	EPA 610	Extractable Organics	NELAP	11/26/2001
Fluorene	EPA 625	Extractable Organics	NELAP	11/26/2001
Fluorene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Fluorene	EPA 8310	Extractable Organics	NELAP	7/1/2003
Fluoride	EPA 300.0	General Chemistry	NELAP	11/26/2001
Fluoride	EPA 9056	General Chemistry	NELAP	7/1/2003
Formaldehyde	EPA 8315	Extractable Organics	NELAP	7/1/2003
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
gamma-Chlordane	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Gasoline range organics (GRO)	EPA 8015	Extractable Organics	NELAP	7/1/2003
Hardness	SM 2340 B	General Chemistry	NELAP	11/26/2001
Heptachlor	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Heptachlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Heptachlor epoxide	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Heptachlor epoxide	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Hexachlorobenzene	EPA 625	Extractable Organics	NELAP	11/26/2001
Hexachlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Hexachlorobutadiene	EPA 625	Extractable Organics	NELAP	11/26/2001
Hexachlorobutadiene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Hexachlorobutadiene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Hexachlorocyclopentadiene	EPA 625	Extractable Organics	NELAP	11/26/2001
Hexachlorocyclopentadiene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Hexachloroethane	EPA 625	Extractable Organics	NELAP	11/26/2001
Hexachloroethane	EPA 8270	Extractable Organics	NELAP	7/1/2003
Hexachlorophene	EPA 8270	Extractable Organics	NELAP	7/1/2003

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Hexachloropropene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Ignitability	EPA 1010	General Chemistry	NELAP	7/1/2003
Indeno(1,2,3-cd)pyrene	EPA 610	Extractable Organics	NELAP	11/26/2001
Indeno(1,2,3-cd)pyrene	EPA 625	Extractable Organics	NELAP	11/26/2001
Indeno(1,2,3-cd)pyrene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Indeno(1,2,3-cd)pyrene	EPA 8310	Extractable Organics	NELAP	7/1/2003
Iodomethane (Methyl iodide)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Iron	EPA 200.7	Metals	NELAP	11/26/2001
Iron	EPA 200.8	Metals	NELAP	11/14/2014
Iron	EPA 6010	Metals	NELAP	7/1/2003
Iron	EPA 6020	Metals	NELAP	2/23/2006
Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8015	Volatile Organics	NELAP	7/1/2003
Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Isodrin	EPA 8270	Extractable Organics	NELAP	7/1/2003
Isophorone	EPA 625	Extractable Organics	NELAP	11/26/2001
Isophorone	EPA 8270	Extractable Organics	NELAP	7/1/2003
Isopropyl alcohol (2-Propanol)	EPA 8015	Volatile Organics	NELAP	7/1/2003
Isopropyl ether	EPA 8260	Volatile Organics	NELAP	4/9/2014
Isopropylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Isosafrole	EPA 8270	Extractable Organics	NELAP	7/1/2003
Kepone	EPA 8270	Extractable Organics	NELAP	7/1/2003
Kjeldahl nitrogen - total	EPA 351.2	General Chemistry	NELAP	11/26/2001
Lead	EPA 200.7	Metals	NELAP	11/26/2001
Lead	EPA 200.8	Metals	NELAP	3/31/2003
Lead	EPA 6010	Metals	NELAP	11/26/2001
Lead	EPA 6020	Metals	NELAP	3/31/2003
m/p-Xylenes	EPA 8260	Volatile Organics	NELAP	4/9/2014
m+p-Xylenes	EPA 624	Volatile Organics	NELAP	4/9/2014
Magnesium	EPA 200.7	Metals	NELAP	11/26/2001
Magnesium	EPA 200.8	Metals	NELAP	11/14/2014
Magnesium	EPA 6010	Metals	NELAP	7/1/2003
Magnesium	EPA 6020	Metals	NELAP	2/23/2006
Manganese	EPA 200.7	Metals	NELAP	11/26/2001
Manganese	EPA 200.8	Metals	NELAP	3/31/2003
Manganese	EPA 6010	Metals	NELAP	7/1/2003
Manganese	EPA 6020	Metals	NELAP	3/31/2003

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
MCPA	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
MCPP	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Mercury	EPA 245.1	Metals	NELAP	11/26/2001
Mercury	EPA 7470	Metals	NELAP	11/26/2001
Methacrylonitrile	EPA 8260	Volatile Organics	NELAP	7/1/2003
Methane	RSK-175	Extractable Organics	NELAP	5/25/2011
Methanol	EPA 8015	Volatile Organics	NELAP	7/1/2003
Methapyrilene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Methoxychlor	EPA 608	Pesticides-Herbicides-PCB's	NELAP	4/9/2014
Methoxychlor	EPA 608.2	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Methoxychlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Methyl acetate	EPA 8260	Volatile Organics	NELAP	5/25/2011
Methyl bromide (Bromomethane)	EPA 624	Volatile Organics	NELAP	11/26/2001
Methyl bromide (Bromomethane)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Methyl chloride (Chloromethane)	EPA 624	Volatile Organics	NELAP	11/26/2001
Methyl chloride (Chloromethane)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Methyl methacrylate	EPA 8260	Volatile Organics	NELAP	7/1/2003
Methyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Methyl parathion (Parathion, methyl)	EPA 8270	Extractable Organics	NELAP	7/1/2003
Methyl tert-butyl ether (MTBE)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Methylcyclohexane	EPA 8260	Volatile Organics	NELAP	5/25/2011
Methylene chloride	EPA 624	Volatile Organics	NELAP	11/26/2001
Methylene chloride	EPA 8260	Volatile Organics	NELAP	7/1/2003
Molybdenum	EPA 200.7	Metals	NELAP	11/26/2001
Molybdenum	EPA 200.8	Metals	NELAP	3/31/2003
Molybdenum	EPA 6010	Metals	NELAP	11/26/2001
Molybdenum	EPA 6020	Metals	NELAP	2/23/2006
Naphthalene	EPA 610	Extractable Organics	NELAP	11/26/2001
Naphthalene	EPA 625	Extractable Organics	NELAP	11/26/2001
Naphthalene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Naphthalene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Naphthalene	EPA 8310	Extractable Organics	NELAP	7/1/2003
n-Butyl alcohol	EPA 8015	Volatile Organics	NELAP	7/1/2003
n-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
n-Decane	EPA 625	Extractable Organics	NELAP	4/9/2014
Nickel	EPA 200.7	Metals	NELAP	11/26/2001

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Nickel	EPA 200.8	Metals	NELAP	3/31/2003
Nickel	EPA 6010	Metals	NELAP	11/26/2001
Nickel	EPA 6020	Metals	NELAP	3/31/2003
Nitrate	EPA 9056	General Chemistry	NELAP	7/1/2003
Nitrate as N	EPA 300.0	General Chemistry	NELAP	11/26/2001
Nitrate as N	EPA 353.2	General Chemistry	NELAP	11/26/2001
Nitrate-nitrite	EPA 300.0	General Chemistry	NELAP	11/26/2001
Nitrate-nitrite	EPA 353.2	General Chemistry	NELAP	11/26/2001
Nitrite	EPA 9056	General Chemistry	NELAP	7/1/2003
Nitrite	SM 4500-NO2-B	General Chemistry	NELAP	5/25/2011
Nitrite as N	EPA 300.0	General Chemistry	NELAP	11/26/2001
Nitrite as N	EPA 353.2	General Chemistry	NELAP	11/26/2001
Nitrobenzene	EPA 625	Extractable Organics	NELAP	11/26/2001
Nitrobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Nitroquinoline-1-oxide	EPA 8270	Extractable Organics	NELAP	2/23/2006
n-Nitrosodiethylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitrosodimethylamine	EPA 625	Extractable Organics	NELAP	11/26/2001
n-Nitrosodimethylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitroso-di-n-butylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitrosodi-n-propylamine	EPA 625	Extractable Organics	NELAP	11/26/2001
n-Nitrosodi-n-propylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitrosodiphenylamine	EPA 625	Extractable Organics	NELAP	11/26/2001
n-Nitrosodiphenylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitrosomethylethylamine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitrosomorpholine	EPA 8270	Extractable Organics	NELAP	5/19/2004
n-Nitrosopiperidine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Nitrosopyrrolidine	EPA 8270	Extractable Organics	NELAP	7/1/2003
n-Octadecane	EPA 625	Extractable Organics	NELAP	4/9/2014
n-Propanol	EPA 8015	Volatile Organics	NELAP	7/1/2003
n-Propylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
o,o,o-Triethyl phosphorothioate	EPA 8270	Extractable Organics	NELAP	7/1/2003
Oil & Grease	EPA 1664B	General Chemistry	NELAP	4/9/2014
Oil & Grease	EPA 9070	General Chemistry	NELAP	8/30/2011
Organic nitrogen	TKN minus AMMONIA	General Chemistry	NELAP	11/26/2001
Orthophosphate as P	EPA 300.0	General Chemistry	NELAP	11/26/2001
Orthophosphate as P	EPA 365.1	General Chemistry	NELAP	5/19/2004

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**



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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Orthophosphate as P	EPA 365.3	General Chemistry	NELAP	5/25/2011
Orthophosphate as P	EPA 9056	General Chemistry	NELAP	7/1/2003
o-Toluidine	EPA 8270	Extractable Organics	NELAP	7/1/2003
Oxygen, dissolved	SM 4500-O G	General Chemistry	NELAP	8/16/2007
o-Xylene	EPA 624	General Chemistry	NELAP	4/9/2014
o-Xylene	EPA 8260	Volatile Organics	NELAP	4/9/2014
Parathion, ethyl	EPA 8270	Extractable Organics	NELAP	7/1/2003
Pentachlorobenzene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Pentachloroethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Pentachloronitrobenzene (Quintozone)	EPA 8270	Extractable Organics	NELAP	7/1/2003
Pentachlorophenol	EPA 625	Extractable Organics	NELAP	11/26/2001
Pentachlorophenol	EPA 8151	Extractable Organics	NELAP	5/19/2004
Pentachlorophenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
pH	EPA 9040	General Chemistry	NELAP	7/1/2003
pH	SM 4500-H+-B	General Chemistry	NELAP	6/22/2007
Phenacetin	EPA 8270	Extractable Organics	NELAP	7/1/2003
Phenanthrene	EPA 610	Extractable Organics	NELAP	11/26/2001
Phenanthrene	EPA 625	Extractable Organics	NELAP	11/26/2001
Phenanthrene	EPA 8270	Extractable Organics	NELAP	7/1/2003
Phenanthrene	EPA 8310	Extractable Organics	NELAP	7/1/2003
Phenol	EPA 625	Extractable Organics	NELAP	11/26/2001
Phenol	EPA 8270	Extractable Organics	NELAP	7/1/2003
Phorate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Phosphorus, total	EPA 200.7	Metals	NELAP	3/31/2003
Phosphorus, total	EPA 365.1	General Chemistry	NELAP	11/26/2001
Phosphorus, total	EPA 6010	Metals	NELAP	5/19/2004
p-Isopropyltoluene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Potassium	EPA 200.7	Metals	NELAP	11/26/2001
Potassium	EPA 200.8	Metals	NELAP	11/14/2014
Potassium	EPA 6010	Metals	NELAP	7/1/2003
Potassium	EPA 6020	Metals	NELAP	2/23/2006
Pronamide (Kerb)	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Propionitrile (Ethyl cyanide)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Pyrene	EPA 610	Extractable Organics	NELAP	11/26/2001
Pyrene	EPA 625	Extractable Organics	NELAP	11/26/2001
Pyrene	EPA 8270	Extractable Organics	NELAP	7/1/2003

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Pyrene	EPA 8310	Extractable Organics	NELAP	7/1/2003
Pyridine	EPA 625	Extractable Organics	NELAP	4/9/2014
Pyridine	EPA 8270	Extractable Organics	NELAP	7/1/2003
Residual free chlorine	SM 4500-Cl G	General Chemistry	NELAP	6/22/2007
Residue-filterable (TDS)	SM 2540 C	General Chemistry	NELAP	6/22/2007
Residue-nonfilterable (TSS)	SM 2540 D	General Chemistry	NELAP	6/22/2007
Residue-settleable	SM 2540 F	General Chemistry	NELAP	6/22/2007
Residue-total	SM 2540 B	General Chemistry	NELAP	6/22/2007
Residue-volatile	EPA 160.4	General Chemistry	NELAP	2/21/2008
Safrole	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
sec-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Selenium	EPA 200.7	Metals	NELAP	11/26/2001
Selenium	EPA 200.8	Metals	NELAP	3/31/2003
Selenium	EPA 6010	Metals	NELAP	11/26/2001
Selenium	EPA 6020	Metals	NELAP	2/23/2006
Silica as SiO2	EPA 200.7	Metals	NELAP	2/21/2008
Silica as SiO2	EPA 6010	Metals	NELAP	2/21/2008
Silver	EPA 200.7	Metals	NELAP	11/26/2001
Silver	EPA 200.8	Metals	NELAP	3/31/2003
Silver	EPA 6010	Metals	NELAP	7/1/2003
Silver	EPA 6020	Metals	NELAP	3/31/2003
Silvex (2,4,5-TP)	EPA 615	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Silvex (2,4,5-TP)	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Sodium	EPA 200.7	Metals	NELAP	11/26/2001
Sodium	EPA 200.8	Metals	NELAP	11/14/2014
Sodium	EPA 6010	Metals	NELAP	7/1/2003
Sodium	EPA 6020	Metals	NELAP	2/23/2006
Strontium	EPA 200.7	Metals	NELAP	2/23/2006
Strontium	EPA 6010	Metals	NELAP	2/23/2006
Styrene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Sulfate	EPA 300.0	General Chemistry	NELAP	11/26/2001
Sulfate	EPA 9056	General Chemistry	NELAP	7/1/2003
Sulfide	EPA 9030/9034	General Chemistry	NELAP	7/1/2003
Sulfide	SM 4500-S F	General Chemistry	NELAP	6/22/2007
Sulfite-SO3	SM 4500-SO3 B	General Chemistry	NELAP	6/22/2007
Sulfotep	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	2/23/2006

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**



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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Surfactants - MBAS	SM 5540 C	General Chemistry	NELAP	6/22/2007
T-amylethylether (TAE)	EPA 8260	Volatile Organics	NELAP	4/9/2014
T-amylmethylether (TAME)	EPA 8260	Volatile Organics	NELAP	4/9/2014
tert-Amyl alcohol (2-methyl-2-butanol)	EPA 8260	Volatile Organics	NELAP	4/9/2014
tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8015	Volatile Organics	NELAP	7/1/2003
tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8260	Volatile Organics	NELAP	2/23/2006
tert-Butyl formate	EPA 8260	Volatile Organics	NELAP	4/9/2014
tert-Butylbenzene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Tetrachloroethylene (Perchloroethylene)	EPA 624	Volatile Organics	NELAP	11/26/2001
Tetrachloroethylene (Perchloroethylene)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Thallium	EPA 200.7	Metals	NELAP	11/26/2001
Thallium	EPA 200.8	Metals	NELAP	3/31/2003
Thallium	EPA 6010	Metals	NELAP	7/1/2003
Thallium	EPA 6020	Metals	NELAP	3/31/2003
Thionazin (Zinophos)	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
Tin	EPA 200.7	Metals	NELAP	3/31/2003
Tin	EPA 200.8	Metals	NELAP	11/14/2014
Tin	EPA 6010	Metals	NELAP	1/21/2005
Tin	EPA 6020	Metals	NELAP	2/23/2006
Titanium	EPA 200.7	Metals	NELAP	3/31/2003
Titanium	EPA 200.8	Metals	NELAP	11/14/2014
Titanium	EPA 6010	Metals	NELAP	1/21/2005
Titanium	EPA 6020	Metals	NELAP	2/23/2006
Toluene	EPA 624	Volatile Organics	NELAP	11/26/2001
Toluene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Total coliforms	SM 9222 B	Microbiology	NELAP	11/26/2001
Total cyanide	EPA 9010/9014	General Chemistry	NELAP	7/1/2003
Total hardness as CaCO3	EPA 200.7	Metals	NELAP	11/26/2001
Total nitrate-nitrite	EPA 9056	General Chemistry	NELAP	7/1/2003
Total organic carbon	EPA 9060	General Chemistry	NELAP	7/1/2003
Total organic carbon	SM 5310 B	General Chemistry	NELAP	6/22/2007
Total Petroleum Hydrocarbons (TPH)	EPA 1664B	General Chemistry	NELAP	4/9/2014
Total Petroleum Hydrocarbons (TPH)	FL-PRO	Extractable Organics	NELAP	7/1/2003
Total Petroleum Hydrocarbons (TPH)	TX1005	General Chemistry	NELAP	4/9/2014
Total phenolics	EPA 420.1	General Chemistry	NELAP	11/26/2001
Total phenolics	EPA 420.4	General Chemistry	NELAP	5/25/2011

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**



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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Total phenolics	EPA 9065	General Chemistry	NELAP	7/1/2003
Total, fixed, and volatile residue	SM 2540 G	General Chemistry	NELAP	11/26/2001
Toxaphene (Chlorinated camphene)	EPA 608	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Toxaphene (Chlorinated camphene)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	7/1/2003
trans-1,2-Dichloroethylene	EPA 624	Volatile Organics	NELAP	11/26/2001
trans-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	7/1/2003
trans-1,3-Dichloropropene	EPA 624	Volatile Organics	NELAP	11/26/2001
trans-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	7/1/2003
trans-1,4-Dichloro-2-butene	EPA 8260	Volatile Organics	NELAP	7/1/2003
Trichloroethene (Trichloroethylene)	EPA 624	Volatile Organics	NELAP	11/26/2001
Trichloroethene (Trichloroethylene)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Trichlorofluoromethane	EPA 624	Volatile Organics	NELAP	11/26/2001
Trichlorofluoromethane	EPA 8260	Volatile Organics	NELAP	7/1/2003
Turbidity	EPA 180.1	General Chemistry	NELAP	11/26/2001
Vanadium	EPA 200.7	Metals	NELAP	11/26/2001
Vanadium	EPA 200.8	Metals	NELAP	3/31/2003
Vanadium	EPA 6010	Metals	NELAP	7/1/2003
Vanadium	EPA 6020	Metals	NELAP	2/23/2006
Vinyl acetate	EPA 8260	Volatile Organics	NELAP	7/1/2003
Vinyl chloride	EPA 624	Volatile Organics	NELAP	11/26/2001
Vinyl chloride	EPA 8260	Volatile Organics	NELAP	7/1/2003
Xylene (total)	EPA 624	Volatile Organics	NELAP	11/26/2001
Xylene (total)	EPA 8260	Volatile Organics	NELAP	7/1/2003
Zinc	EPA 200.7	Metals	NELAP	11/26/2001
Zinc	EPA 200.8	Metals	NELAP	3/31/2003
Zinc	EPA 6010	Metals	NELAP	11/26/2001
Zinc	EPA 6020	Metals	NELAP	3/31/2003



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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,1,1-Trichloroethane	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,1,2,2-Tetrachloroethane	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA 8260	Volatile Organics	NELAP	5/25/2011
1,1,2-Trichloroethane	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,1-Dichloroethane	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,1-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,1-Dichloropropene	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,2,3-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,2,3-Trichloropropane	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,2,4,5-Tetrachlorobenzene	EPA 8270	Extractable Organics	NELAP	11/26/2001
1,2,4-Trichlorobenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,2,4-Trichlorobenzene	EPA 8270	Extractable Organics	NELAP	11/26/2001
1,2,4-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,2-Dibromo-3-chloropropane (DBCP)	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,2-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,2-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	11/26/2001
1,2-Dichloroethane	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,2-Diphenylhydrazine	EPA 8270	Extractable Organics	NELAP	11/26/2001
1,3,5-Trimethylbenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,3,5-Trinitrobenzene (1,3,5-TNB)	EPA 8270	Extractable Organics	NELAP	11/26/2001
1,3-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,3-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	11/26/2001
1,3-Dichloropropane	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,3-Dinitrobenzene (1,3-DNB)	EPA 8270	Extractable Organics	NELAP	11/26/2001
1,4-Dichlorobenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
1,4-Dichlorobenzene	EPA 8270	Extractable Organics	NELAP	11/26/2001
1,4-Dioxane (1,4-Diethyleneoxide)	EPA 8260	Volatile Organics	NELAP	2/23/2006
1,4-Naphthoquinone	EPA 8270	Extractable Organics	NELAP	11/26/2001
1,4-Phenylenediamine	EPA 8270	Extractable Organics	NELAP	11/26/2001
1-Chloronaphthalene	EPA 8270	Extractable Organics	NELAP	11/26/2001
1-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	9/26/2008
1-Methylnaphthalene	EPA 8310	Extractable Organics	NELAP	9/26/2008
1-Naphthylamine	EPA 8270	Extractable Organics	NELAP	11/26/2001

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
2,2-Dichloropropane	EPA 8260	Volatile Organics	NELAP	11/26/2001
2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether	EPA 8270	Extractable Organics	NELAP	11/26/2001
2,3,4,6-Tetrachlorophenol	EPA 8270	Extractable Organics	NELAP	11/26/2001
2,4,5-T	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
2,4,5-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	11/26/2001
2,4,6-Trichlorophenol	EPA 8270	Extractable Organics	NELAP	11/26/2001
2,4-D	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
2,4-DB	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
2,4-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	11/26/2001
2,4-Dimethylphenol	EPA 8270	Extractable Organics	NELAP	11/26/2001
2,4-Dinitrophenol	EPA 8270	Extractable Organics	NELAP	11/26/2001
2,4-Dinitrotoluene (2,4-DNT)	EPA 8270	Extractable Organics	NELAP	11/26/2001
2,6-Dichlorophenol	EPA 8270	Extractable Organics	NELAP	11/26/2001
2,6-Dinitrotoluene (2,6-DNT)	EPA 8270	Extractable Organics	NELAP	11/26/2001
2-Acetylaminofluorene	EPA 8270	Extractable Organics	NELAP	11/26/2001
2-Butanone (Methyl ethyl ketone, MEK)	EPA 8260	Volatile Organics	NELAP	11/26/2001
2-Chloroethyl vinyl ether	EPA 8260	Volatile Organics	NELAP	11/26/2001
2-Chloronaphthalene	EPA 8270	Extractable Organics	NELAP	11/26/2001
2-Chlorophenol	EPA 8270	Extractable Organics	NELAP	11/26/2001
2-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	11/26/2001
2-Hexanone	EPA 8260	Volatile Organics	NELAP	11/26/2001
2-Methyl-4,6-dinitrophenol	EPA 8270	Extractable Organics	NELAP	11/26/2001
2-Methylnaphthalene	EPA 8270	Extractable Organics	NELAP	11/26/2001
2-Methylnaphthalene	EPA 8310	Extractable Organics	NELAP	9/26/2008
2-Methylphenol (o-Cresol)	EPA 8270	Extractable Organics	NELAP	11/26/2001
2-Naphthylamine	EPA 8270	Extractable Organics	NELAP	11/26/2001
2-Nitroaniline	EPA 8270	Extractable Organics	NELAP	11/26/2001
2-Nitrophenol	EPA 8270	Extractable Organics	NELAP	11/26/2001
2-Picoline (2-Methylpyridine)	EPA 8270	Extractable Organics	NELAP	11/26/2001
3,3'-Dichlorobenzidine	EPA 8270	Extractable Organics	NELAP	11/26/2001
3,3'-Dimethylbenzidine	EPA 8270	Extractable Organics	NELAP	11/26/2001
3/4-Methylphenols (m/p-Cresols)	EPA 8270	Extractable Organics	NELAP	4/9/2014
3-Methylcholanthrene	EPA 8270	Extractable Organics	NELAP	11/26/2001
3-Nitroaniline	EPA 8270	Extractable Organics	NELAP	11/26/2001
4,4'-DDD	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
4,4'-DDE	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
4,4'-DDT	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
4-Aminobiphenyl	EPA 8270	Extractable Organics	NELAP	11/26/2001
4-Bromophenyl phenyl ether	EPA 8270	Extractable Organics	NELAP	11/26/2001
4-Chloro-3-methylphenol	EPA 8270	Extractable Organics	NELAP	11/26/2001
4-Chloroaniline	EPA 8270	Extractable Organics	NELAP	11/26/2001
4-Chlorophenyl phenylether	EPA 8270	Extractable Organics	NELAP	11/26/2001
4-Chlorotoluene	EPA 8260	Volatile Organics	NELAP	11/26/2001
4-Dimethyl aminoazobenzene	EPA 8270	Extractable Organics	NELAP	11/26/2001
4-Methyl-2-pentanone (MIBK)	EPA 8260	Volatile Organics	NELAP	11/26/2001
4-Methylphenol (p-Cresol)	EPA 8270	Extractable Organics	NELAP	11/26/2001
4-Nitroaniline	EPA 8270	Extractable Organics	NELAP	11/26/2001
4-Nitrophenol	EPA 8270	Extractable Organics	NELAP	11/26/2001
5-Nitro-o-toluidine	EPA 8270	Extractable Organics	NELAP	11/26/2001
7,12-Dimethylbenz(a) anthracene	EPA 8270	Extractable Organics	NELAP	11/26/2001
a,a-Dimethylphenethylamine	EPA 8270	Extractable Organics	NELAP	11/26/2001
Acenaphthene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Acenaphthene	EPA 8310	Extractable Organics	NELAP	11/26/2001
Acenaphthylene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Acenaphthylene	EPA 8310	Extractable Organics	NELAP	11/26/2001
Acetone	EPA 8260	Volatile Organics	NELAP	11/26/2001
Acetonitrile	EPA 8260	Volatile Organics	NELAP	11/26/2001
Acetophenone	EPA 8270	Extractable Organics	NELAP	11/26/2001
Acrolein (Propenal)	EPA 8260	Volatile Organics	NELAP	11/26/2001
Acrylonitrile	EPA 8260	Volatile Organics	NELAP	11/26/2001
Aldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Allyl chloride (3-Chloropropene)	EPA 8260	Volatile Organics	NELAP	11/26/2001
alpha-BHC (alpha-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
alpha-Chlordane	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aluminum	EPA 6010	Metals	NELAP	11/26/2001
Aluminum	EPA 6020	Metals	NELAP	2/23/2006
Ammonia as N	EPA 350.1	General Chemistry	NELAP	5/25/2011
Aniline	EPA 8270	Extractable Organics	NELAP	11/26/2001
Anthracene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Anthracene	EPA 8310	Extractable Organics	NELAP	11/26/2001
Antimony	EPA 6010	Metals	NELAP	11/26/2001
Antimony	EPA 6020	Metals	NELAP	2/23/2006

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**



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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Aramite	EPA 8270	Extractable Organics	NELAP	2/23/2006
Aroclor-1016 (PCB-1016)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aroclor-1221 (PCB-1221)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aroclor-1232 (PCB-1232)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aroclor-1242 (PCB-1242)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aroclor-1248 (PCB-1248)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aroclor-1254 (PCB-1254)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aroclor-1260 (PCB-1260)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Aroclor-1262 (PCB-1262)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	5/25/2011
Aroclor-1268 (PCB-1268)	EPA 8082	Pesticides-Herbicides-PCB's	NELAP	5/25/2011
Arsenic	EPA 6010	Metals	NELAP	11/26/2001
Arsenic	EPA 6020	Metals	NELAP	2/23/2006
Atrazine	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	5/25/2011
Barium	EPA 6010	Metals	NELAP	11/26/2001
Barium	EPA 6020	Metals	NELAP	2/23/2006
Benzaldehyde	EPA 8270	Extractable Organics	NELAP	5/25/2011
Benzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Benzidine	EPA 8270	Extractable Organics	NELAP	11/26/2001
Benzo(a)anthracene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Benzo(a)anthracene	EPA 8310	Extractable Organics	NELAP	11/26/2001
Benzo(a)pyrene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Benzo(a)pyrene	EPA 8310	Extractable Organics	NELAP	11/26/2001
Benzo(b)fluoranthene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Benzo(b)fluoranthene	EPA 8310	Extractable Organics	NELAP	11/26/2001
Benzo(g,h,i)perylene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Benzo(g,h,i)perylene	EPA 8310	Extractable Organics	NELAP	11/26/2001
Benzo(k)fluoranthene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Benzo(k)fluoranthene	EPA 8310	Extractable Organics	NELAP	11/26/2001
Benzoic acid	EPA 8270	Extractable Organics	NELAP	11/26/2001
Benzyl alcohol	EPA 8270	Extractable Organics	NELAP	11/26/2001
Beryllium	EPA 6010	Metals	NELAP	11/26/2001
Beryllium	EPA 6020	Metals	NELAP	2/23/2006
beta-BHC (beta-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Biphenyl	EPA 8270	Extractable Organics	NELAP	5/25/2011
bis(2-Chloroethoxy)methane	EPA 8270	Extractable Organics	NELAP	11/26/2001
bis(2-Chloroethyl) ether	EPA 8270	Extractable Organics	NELAP	11/26/2001

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
bis(2-Ethylhexyl) phthalate (DEHP)	EPA 8270	Extractable Organics	NELAP	11/26/2001
Bromide	EPA 9056	General Chemistry	NELAP	11/26/2001
Bromobenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Bromochloromethane	EPA 8260	Volatile Organics	NELAP	11/26/2001
Bromodichloromethane	EPA 8260	Volatile Organics	NELAP	11/26/2001
Bromoform	EPA 8260	Volatile Organics	NELAP	11/26/2001
Butyl benzyl phthalate	EPA 8270	Extractable Organics	NELAP	11/26/2001
Cadmium	EPA 6010	Metals	NELAP	11/26/2001
Cadmium	EPA 6020	Metals	NELAP	2/23/2006
Calcium	EPA 6010	Metals	NELAP	11/26/2001
Calcium	EPA 6020	Metals	NELAP	2/23/2006
Caprolactam	EPA 8270	Extractable Organics	NELAP	5/25/2011
Carbazole	EPA 8270	Extractable Organics	NELAP	11/26/2001
Carbon disulfide	EPA 8260	Volatile Organics	NELAP	11/26/2001
Carbon tetrachloride	EPA 8260	Volatile Organics	NELAP	11/26/2001
Cation exchange capacity	EPA 9081	General Chemistry	NELAP	11/26/2001
Chlordane (tech.)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Chloride	EPA 9056	General Chemistry	NELAP	11/26/2001
Chlorobenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Chlorobenzilate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Chloroethane	EPA 8260	Volatile Organics	NELAP	11/26/2001
Chloroform	EPA 8260	Volatile Organics	NELAP	11/26/2001
Chloroprene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Chromium	EPA 6010	Metals	NELAP	11/26/2001
Chromium	EPA 6020	Metals	NELAP	2/23/2006
Chromium VI	EPA 7196	General Chemistry	NELAP	11/26/2001
Chrysene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Chrysene	EPA 8310	Extractable Organics	NELAP	11/26/2001
cis-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	11/26/2001
cis-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Cobalt	EPA 6010	Metals	NELAP	11/26/2001
Cobalt	EPA 6020	Metals	NELAP	2/23/2006
Conductivity	EPA 9050	General Chemistry	NELAP	3/31/2003
Copper	EPA 6010	Metals	NELAP	11/26/2001
Copper	EPA 6020	Metals	NELAP	2/23/2006
Cyclohexane	EPA 8260	Volatile Organics	NELAP	5/25/2011

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Dalapon	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
delta-BHC	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Diallate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Dibenz(a,h)anthracene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Dibenz(a,h)anthracene	EPA 8310	Extractable Organics	NELAP	11/26/2001
Dibenzofuran	EPA 8270	Extractable Organics	NELAP	11/26/2001
Dibromochloromethane	EPA 8260	Volatile Organics	NELAP	11/26/2001
Dibromomethane	EPA 8260	Volatile Organics	NELAP	11/26/2001
Dicamba	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Dichlorodifluoromethane	EPA 8260	Volatile Organics	NELAP	11/26/2001
Dichloroprop (Dichlorprop)	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Dieldrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Diesel range organics (DRO)	EPA 8015	Extractable Organics	NELAP	11/26/2001
Diethyl ether	EPA 8015	Volatile Organics	NELAP	11/26/2001
Diethyl phthalate	EPA 8270	Extractable Organics	NELAP	11/26/2001
Dimethoate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Dimethyl phthalate	EPA 8270	Extractable Organics	NELAP	11/26/2001
Di-n-butyl phthalate	EPA 8270	Extractable Organics	NELAP	11/26/2001
Di-n-octyl phthalate	EPA 8270	Extractable Organics	NELAP	11/26/2001
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Diphenylamine	EPA 8270	Extractable Organics	NELAP	11/26/2001
Disulfoton	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	7/6/2004
Endosulfan I	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Endosulfan II	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Endosulfan sulfate	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Endrin	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Endrin aldehyde	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Endrin ketone	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Ethanol	EPA 8015	Volatile Organics	NELAP	11/26/2001
Ethyl methacrylate	EPA 8260	Volatile Organics	NELAP	11/26/2001
Ethyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	11/26/2001
Ethylbenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Ethylene glycol	EPA 8015	Volatile Organics	NELAP	11/26/2001
Famphur	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Fluoranthene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Fluoranthene	EPA 8310	Extractable Organics	NELAP	11/26/2001

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State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Fluorene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Fluorene	EPA 8310	Extractable Organics	NELAP	11/26/2001
Fluoride	EPA 9056	General Chemistry	NELAP	11/26/2001
Formaldehyde	EPA 8315	Extractable Organics	NELAP	11/26/2001
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
gamma-Chlordane	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Gasoline range organics (GRO)	EPA 8015	Extractable Organics	NELAP	11/26/2001
Heptachlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Heptachlor epoxide	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Hexachlorobenzene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Hexachlorobutadiene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Hexachlorobutadiene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Hexachlorocyclopentadiene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Hexachloroethane	EPA 8270	Extractable Organics	NELAP	11/26/2001
Hexachlorophene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Hexachloropropene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Ignitability	EPA 1010	General Chemistry	NELAP	11/26/2001
Ignitability	EPA 1030	General Chemistry	NELAP	5/19/2015
Indeno(1,2,3-cd)pyrene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Indeno(1,2,3-cd)pyrene	EPA 8310	Extractable Organics	NELAP	11/26/2001
Iodomethane (Methyl iodide)	EPA 8260	Volatile Organics	NELAP	11/26/2001
Iron	EPA 6010	Metals	NELAP	11/26/2001
Iron	EPA 6020	Metals	NELAP	2/23/2006
Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8015	Volatile Organics	NELAP	11/26/2001
Isobutyl alcohol (2-Methyl-1-propanol)	EPA 8260	Volatile Organics	NELAP	11/26/2001
Isodrin	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Isophorone	EPA 8270	Extractable Organics	NELAP	11/26/2001
Isopropyl alcohol (2-Propanol)	EPA 8015	Volatile Organics	NELAP	11/26/2001
Isopropylbenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Isosafrole	EPA 8270	Extractable Organics	NELAP	11/26/2001
Kepone	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Kjeldahl nitrogen - total	EPA 351.2	General Chemistry	NELAP	5/25/2011
Lead	EPA 6010	Metals	NELAP	11/26/2001
Lead	EPA 6020	Metals	NELAP	2/23/2006
m/p-Xylenes	EPA 8260	Volatile Organics	NELAP	4/9/2014
Magnesium	EPA 6010	Metals	NELAP	11/26/2001

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Analyte	Method/Tech	Category	Certification Type	Effective Date
Magnesium	EPA 6020	Metals	NELAP	2/23/2006
Manganese	EPA 6010	Metals	NELAP	11/26/2001
Manganese	EPA 6020	Metals	NELAP	2/23/2006
MCPA	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
MCPP	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Mercury	EPA 7471	Metals	NELAP	11/26/2001
Methacrylonitrile	EPA 8260	Volatile Organics	NELAP	11/26/2001
Methanol	EPA 8015	Volatile Organics	NELAP	11/26/2001
Methapyrilene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Methoxychlor	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Methyl acetate	EPA 8260	Volatile Organics	NELAP	5/25/2011
Methyl bromide (Bromomethane)	EPA 8260	Volatile Organics	NELAP	11/26/2001
Methyl chloride (Chloromethane)	EPA 8260	Volatile Organics	NELAP	11/26/2001
Methyl methacrylate	EPA 8260	Volatile Organics	NELAP	11/26/2001
Methyl methanesulfonate	EPA 8270	Extractable Organics	NELAP	11/26/2001
Methyl parathion (Parathion, methyl)	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Methyl tert-butyl ether (MTBE)	EPA 8260	Volatile Organics	NELAP	11/26/2001
Methylcyclohexane	EPA 8260	Volatile Organics	NELAP	5/25/2011
Methylene chloride	EPA 8260	Volatile Organics	NELAP	11/26/2001
Molybdenum	EPA 6010	Metals	NELAP	11/26/2001
Molybdenum	EPA 6020	Metals	NELAP	2/23/2006
Naphthalene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Naphthalene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Naphthalene	EPA 8310	Extractable Organics	NELAP	11/26/2001
n-Butyl alcohol	EPA 8015	Volatile Organics	NELAP	11/26/2001
n-Butylbenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Nickel	EPA 6010	Metals	NELAP	11/26/2001
Nickel	EPA 6020	Metals	NELAP	2/23/2006
Nitrate	EPA 9056	General Chemistry	NELAP	11/26/2001
Nitrite	EPA 9056	General Chemistry	NELAP	11/26/2001
Nitrobenzene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Nitroquinoline-1-oxide	EPA 8270	Extractable Organics	NELAP	2/23/2006
n-Nitrosodiethylamine	EPA 8270	Extractable Organics	NELAP	11/26/2001
n-Nitrosodimethylamine	EPA 8270	Extractable Organics	NELAP	11/26/2001
n-Nitroso-di-n-butylamine	EPA 8270	Extractable Organics	NELAP	11/26/2001
n-Nitrosodi-n-propylamine	EPA 8270	Extractable Organics	NELAP	11/26/2001

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State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
n-Nitrosodiphenylamine	EPA 8270	Extractable Organics	NELAP	11/26/2001
n-Nitrosomethylethylamine	EPA 8270	Extractable Organics	NELAP	11/26/2001
n-Nitrosomorpholine	EPA 8270	Extractable Organics	NELAP	2/23/2006
n-Nitrosopiperidine	EPA 8270	Extractable Organics	NELAP	11/26/2001
n-Nitrosopyrrolidine	EPA 8270	Extractable Organics	NELAP	11/26/2001
n-Propanol	EPA 8015	Volatile Organics	NELAP	11/26/2001
n-Propylbenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
o,o,o-Triethyl phosphorothioate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Oil & Grease	EPA 9071	General Chemistry	NELAP	11/26/2001
Orthophosphate as P	EPA 9056	General Chemistry	NELAP	11/26/2001
o-Toluidine	EPA 8270	Extractable Organics	NELAP	11/26/2001
o-Xylene	EPA 8260	Volatile Organics	NELAP	4/9/2014
Paint Filter Liquids Test	EPA 9095	General Chemistry	NELAP	11/26/2001
Parathion, ethyl	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Pentachlorobenzene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Pentachloroethane	EPA 8260	Volatile Organics	NELAP	11/26/2001
Pentachloronitrobenzene (Quintozene)	EPA 8270	Extractable Organics	NELAP	11/26/2001
Pentachlorophenol	EPA 8270	Extractable Organics	NELAP	11/26/2001
pH	EPA 9040	General Chemistry	NELAP	3/31/2003
pH	EPA 9045	General Chemistry	NELAP	11/26/2001
Phenacetin	EPA 8270	Extractable Organics	NELAP	11/26/2001
Phenanthrene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Phenanthrene	EPA 8310	Extractable Organics	NELAP	11/26/2001
Phenol	EPA 8270	Extractable Organics	NELAP	11/26/2001
Phorate	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Phosphorus, total	EPA 365.1	General Chemistry	NELAP	5/25/2011
Phosphorus, total	EPA 6010	Metals	NELAP	5/19/2004
p-Isopropyltoluene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Potassium	EPA 6010	Metals	NELAP	11/26/2001
Potassium	EPA 6020	Metals	NELAP	2/23/2006
Pronamide (Kerb)	EPA 8270	Extractable Organics	NELAP	11/26/2001
Propionitrile (Ethyl cyanide)	EPA 8260	Volatile Organics	NELAP	11/26/2001
Pyrene	EPA 8270	Extractable Organics	NELAP	11/26/2001
Pyrene	EPA 8310	Extractable Organics	NELAP	11/26/2001
Pyridine	EPA 8270	Extractable Organics	NELAP	11/26/2001
Reactive cyanide	Sec. 7.3 SW-846	General Chemistry	NELAP	11/26/2001

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State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Reactive sulfide	Sec. 7.3 SW-846	General Chemistry	NELAP	11/26/2001
Safrole	EPA 8270	Extractable Organics	NELAP	11/26/2001
sec-Butylbenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Selenium	EPA 6010	Metals	NELAP	11/26/2001
Selenium	EPA 6020	Metals	NELAP	2/23/2006
Silver	EPA 6010	Metals	NELAP	11/26/2001
Silver	EPA 6020	Metals	NELAP	2/23/2006
Silvex (2,4,5-TP)	EPA 8151	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Sodium	EPA 6010	Metals	NELAP	11/26/2001
Sodium	EPA 6020	Metals	NELAP	2/23/2006
Styrene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Sulfate	EPA 9056	General Chemistry	NELAP	11/26/2001
Sulfide	EPA 9030/9034	General Chemistry	NELAP	11/26/2001
Sulfotep	EPA 8270	Extractable Organics	NELAP	2/23/2006
Synthetic Precipitation Leaching Procedure	EPA 1312	General Chemistry	NELAP	11/26/2001
tert-Butyl alcohol (2-Methyl-2-propanol)	EPA 8015	Volatile Organics	NELAP	11/26/2001
tert-Butylbenzene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Tetrachloroethylene (Perchloroethylene)	EPA 8260	Volatile Organics	NELAP	11/26/2001
Thallium	EPA 6010	Metals	NELAP	11/26/2001
Thallium	EPA 6020	Metals	NELAP	2/23/2006
Thionazin (Zinophos)	EPA 8270	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Tin	EPA 6010	Metals	NELAP	1/21/2005
Tin	EPA 6020	Metals	NELAP	2/23/2006
Titanium	EPA 6010	Metals	NELAP	1/21/2005
Titanium	EPA 6020	Metals	NELAP	2/23/2006
Toluene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Total cyanide	EPA 9010/9014	General Chemistry	NELAP	3/31/2003
Total nitrate-nitrite	EPA 9056	General Chemistry	NELAP	11/26/2001
Total organic carbon	EPA 9060	General Chemistry	NELAP	11/26/2001
Total Petroleum Hydrocarbons (TPH)	FL-PRO	Extractable Organics	NELAP	11/26/2001
Total Petroleum Hydrocarbons (TPH)	TX1005	General Chemistry	NELAP	4/9/2014
Total phenolics	EPA 9065	General Chemistry	NELAP	11/26/2001
Toxaphene (Chlorinated camphene)	EPA 8081	Pesticides-Herbicides-PCB's	NELAP	11/26/2001
Toxicity Characteristic Leaching Procedure	EPA 1311	General Chemistry	NELAP	11/26/2001
trans-1,2-Dichloroethylene	EPA 8260	Volatile Organics	NELAP	11/26/2001
trans-1,3-Dichloropropene	EPA 8260	Volatile Organics	NELAP	11/26/2001

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State Laboratory ID: **E87582**

EPA Lab Code: **GA00906**

(770) 457-8177

E87582

Analytical Environmental Services, Inc.

3080 Presidential Drive

Atlanta, GA 30340

Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
trans-1,4-Dichloro-2-butene	EPA 8260	Volatile Organics	NELAP	11/26/2001
Trichloroethene (Trichloroethylene)	EPA 8260	Volatile Organics	NELAP	11/26/2001
Trichlorofluoromethane	EPA 8260	Volatile Organics	NELAP	11/26/2001
Vanadium	EPA 6010	Metals	NELAP	11/26/2001
Vanadium	EPA 6020	Metals	NELAP	2/23/2006
Vinyl acetate	EPA 8260	Volatile Organics	NELAP	11/26/2001
Vinyl chloride	EPA 8260	Volatile Organics	NELAP	11/26/2001
Xylene (total)	EPA 8260	Volatile Organics	NELAP	11/26/2001
Zinc	EPA 6010	Metals	NELAP	11/26/2001
Zinc	EPA 6020	Metals	NELAP	2/23/2006

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State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Air and Emissions**

Analyte	Method/Tech	Category	Certification Type	Effective Date
1,1,1-Trichloroethane	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,1,1-Trichloroethane	EPA TO-15	Volatile Organics	NELAP	5/19/2015
1,1,2,2-Tetrachloroethane	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,1,2,2-Tetrachloroethane	EPA TO-15	Volatile Organics	NELAP	5/19/2015
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,1,2-Trichloroethane	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,1,2-Trichloroethane	EPA TO-15	Volatile Organics	NELAP	5/19/2015
1,1-Dichloroethane	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,1-Dichloroethane	EPA TO-15	Volatile Organics	NELAP	5/19/2015
1,1-Dichloroethylene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,1-Dichloroethylene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
1,2,4-Trichlorobenzene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,2,4-Trichlorobenzene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
1,2,4-Trimethylbenzene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,2-Dibromoethane (EDB, Ethylene dibromide)	EPA TO-15	Volatile Organics	NELAP	5/19/2015
1,2-Dichloro-1,1,2,2-tetrafluoroethane	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,2-Dichlorobenzene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,2-Dichlorobenzene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
1,2-Dichloroethane	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,2-Dichloroethane	EPA TO-15	Volatile Organics	NELAP	5/19/2015
1,2-Dichloropropane	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,2-Dichloropropane	EPA TO-15	Volatile Organics	NELAP	5/19/2015
1,3,5-Trimethylbenzene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,3-Butadiene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
1,3-Dichlorobenzene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,3-Dichlorobenzene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
1,4-Dichlorobenzene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
1,4-Dichlorobenzene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
1,4-Dioxane (1,4-Diethyleneoxide)	EPA TO-15	Volatile Organics	NELAP	5/19/2015
2,2,4-Trimethylpentane	EPA TO-15	Volatile Organics	NELAP	5/19/2015
2-Butanone (Methyl ethyl ketone, MEK)	EPA TO-15	Volatile Organics	NELAP	5/19/2015
2-Hexanone	AES SOP OA-11051/GC-MS	Volatile Organics	NELAP	5/19/2015
2-Hexanone	EPA TO-15	Volatile Organics	NELAP	5/19/2015
4-Ethyltoluene	AES SOP OA-11051/GC-MS	Volatile Organics	NELAP	5/19/2015

Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.

Issue Date: 7/1/2017**Expiration Date: 6/30/2018**

Laboratory Scope of Accreditation

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Air and Emissions**

Analyte	Method/Tech	Category	Certification Type	Effective Date
4-Ethyltoluene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
4-Ethyltoluene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Acetone	AES SOP OA-11051/GC-MS	Volatile Organics	NELAP	5/19/2015
Acetone	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Allyl chloride (3-Chloropropene)	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Benzene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Benzene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Benzyl chloride	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Benzyl chloride	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Bromodichloromethane	AES SOP OA-11051/GC-MS	Volatile Organics	NELAP	5/19/2015
Bromodichloromethane	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Bromoform	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Carbon disulfide	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Carbon tetrachloride	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Carbon tetrachloride	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Chlorobenzene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Chlorobenzene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Chloroethane	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Chloroethane	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Chloroform	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Chloroform	EPA TO-15	Volatile Organics	NELAP	5/19/2015
cis-1,2-Dichloroethylene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
cis-1,2-Dichloroethylene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
cis-1,3-Dichloropropene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
cis-1,3-Dichloropropene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Cyclohexane	AES SOP OA-11051/GC-MS	Volatile Organics	NELAP	5/19/2015
Dibromochloromethane	AES SOP OA-11051/GC-MS	Volatile Organics	NELAP	5/19/2015
Dibromochloromethane	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Dibromochloromethane	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Dichlorodifluoromethane	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Dichlorodifluoromethane	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Ethyl acetate	AES SOP OA-11051/GC-MS	Volatile Organics	NELAP	5/19/2015
Ethylbenzene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Ethylbenzene	EPA TO-15	Volatile Organics	NELAP	5/19/2015

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**



Laboratory Scope of Accreditation

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**EPA Lab Code: **GA00906****(770) 457-8177****E87582****Analytical Environmental Services, Inc.****3080 Presidential Drive****Atlanta, GA 30340**Matrix: **Air and Emissions**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Hexachlorobutadiene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Hexachlorobutadiene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Isopropyl alcohol (2-Propanol)	AES SOP OA-11051/GC-MS	Volatile Organics	NELAP	5/19/2015
m/p-Xylenes	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
m+p-Xylenes	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Methyl bromide (Bromomethane)	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Methyl bromide (Bromomethane)	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Methyl chloride (Chloromethane)	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Methyl chloride (Chloromethane)	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Methyl isobutyl ketone (Hexone)	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Methyl tert-butyl ether (MTBE)	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Methylene chloride	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Methylene chloride	EPA TO-15	Volatile Organics	NELAP	5/19/2015
n-Heptane	EPA TO-15	Volatile Organics	NELAP	5/19/2015
n-Hexane	EPA TO-15	Volatile Organics	NELAP	5/19/2015
o-Xylene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
o-Xylene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Propylene (Propene)	AES SOP OA-11051/GC-MS	Volatile Organics	NELAP	5/19/2015
Styrene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Styrene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Tetrachloroethylene (Perchloroethylene)	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Tetrachloroethylene (Perchloroethylene)	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Tetrahydrofuran (THF)	AES SOP OA-11051/GC-MS	Volatile Organics	NELAP	5/19/2015
Tetrahydrofuran (THF)	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Toluene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Toluene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
trans-1,2-Dichloroethylene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
trans-1,3-Dichloropropene	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
trans-1,3-Dichloropropene	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Trichloroethene (Trichloroethylene)	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Trichloroethene (Trichloroethylene)	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Trichlorofluoromethane	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Vinyl acetate	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Vinyl bromide	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Vinyl chloride	EPA TO-14A	Volatile Organics	NELAP	5/19/2015

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Issue Date: 7/1/2017**Expiration Date: 6/30/2018**



Laboratory Scope of Accreditation

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Attachment to Certificate #: E87582-29, expiration date June 30, 2018. This listing of accredited analytes should be used only when associated with a valid certificate.

State Laboratory ID: **E87582**

EPA Lab Code: **GA00906**

(770) 457-8177

E87582

Analytical Environmental Services, Inc.

3080 Presidential Drive

Atlanta, GA 30340

Matrix: **Air and Emissions**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Vinyl chloride	EPA TO-15	Volatile Organics	NELAP	5/19/2015
Xylene (total)	EPA TO-14A	Volatile Organics	NELAP	5/19/2015
Xylene (total)	EPA TO-15	Volatile Organics	NELAP	5/19/2015

JUL 24 2017

Ms. Dana Till, Laboratory Director
Analytical Environmental Services, Inc.
3080 Presidential Drive
Atlanta, GA 30340

RE: Certification by Reciprocity
Analytical Environmental Services, Inc.
Georgia ID #800

Dear Ms. Till:

The Georgia Department of Natural Resources, Environmental Protection Division (EPD) is in receipt of all required data necessary to fulfill your laboratory's request for Certification by Reciprocity in Georgia for the analysis of the parameters listed in the attached certificate. Therefore, in accordance with the Georgia Safe Drinking Water Act of 1977 (Sections 12-5-170 through 12-5-193, O.C.G.A.) and the Rules for Safe Drinking Water (Chapter 391-3-5), this certification is valid until June 30, 2018. This certificate is contingent upon continued Certification by the State of Florida, and is non-transferable. This certificate is also contingent upon continued acceptable semi-annual Proficiency Testing results.

Prior to the expiration of this certification, please contact your accrediting/certifying authority and request that the following information be forwarded to me at lynne.grubb@dnr.ga.gov or Sean Earley at sean.earley@dnr.ga.gov.

1. Copies of the most current on-site report, and proposed and accepted corrective actions
2. Copies of the Certificate and scope of accreditation listing analytes

For additional information please feel free to contact Lynne Grubb at 404-657-3189 or Sean Earley at 404-651-9581.

Sincerely,



Lynne Grubb
Laboratory Certification Officer
Drinking Water Program



Lewis F. Hays
Program Manager
Watershed Compliance Program

Analytical Environmental Service (GA ID# 800)
3080 Presidential Drive, Atlanta, GA 30340
Effective July 1, 2017 - June 30, 2018

ANALYTE	CERTIFIED/ ACCREDITED BY	EPA APPROVED METHOD
INORGANIC CHEMICALS		
Antimony	FL-DOH	200.8
Arsenic	FL-DOH	200.8
Barium	FL-DOH	200.8
Beryllium	FL-DOH	200.8
Cadmium	FL-DOH	200.8
Chromium	FL-DOH	200.8
Copper	FL-DOH	200.8
Lead	FL-DOH	200.8
Nickel	FL-DOH	200.8
Selenium	FL-DOH	200.8
Thallium	FL-DOH	200.8

APPENDIX C

Sampling Plan

