ANALYTICAL ENVIRONMENTAL SERVICES, INC.



March 09, 2012

Tyra Byers UGA Env. Prac. 0111 Chicoppe No.1 Athens GA

30602

TEL:

FAX:

RE: UGA Tanyard Creek

Dear Tyra Byers:

Order No: 1202L17

Analytical Environmental Services, Inc. received 4 samples on 2/24/2012 5:20:00 PM 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' certifications are as follows:

- -NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/11-06/30/12.
- -AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

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.

Sharissa Hall

Project Manager

WORK CONTROLLY

CHAIN OF CUSTODY

AWALYTICAL ENVIRONMENTAL SERVICES, INC

3785 Presidential Parkway, Atlanta GA 30340-3704

DATA PACKAGE: I II III IV Standard 5 Business Days

2 Standard 1 Business Day Rush

1 O Stanto Business Day Rush

2 Other No Not Continues | GMATLE RECEIVED AFTER SENT OR KATURDAY ARE CONSIDERED AS RECEIVED ON THENERIA BUSINESS DAY; IR NO TAT ISMARKED ON COC AES WILL PROCEED AS STANDARD TAT.

FAMELES ARE DISTOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARE MADE.

MATALE CODES. As An GWA Grandwales. SE & Sediment. SO & Soil. SW = Surrice Water. (Blanks). DW# Drinking Water (Blanks). O = Other (specify).

PRESERVATIVE CODES. HAT = Spancellone soid * tec. 1 = Ice only. N = Nutrocard. Set = Soline water is the SAMTLE SOLINE BENEFICEMENTS. O = Other (specify). NA = None.

White Copy - Original: Yellow Copy - Chemical Copy - Other Copy - Chemical Copy - Other Copy -Date C. 24-2018age Lot of E-mail? Y'N; Fac? Y'N Turnwassd True Reques to check on the status of rour results, place bottle www.acsatlanta.com Total # of Containers Visit our website STATE PROGRAM ((fam)). orders, etc. REMARKS moice to 9 1241 Stovice brancald, con Tronspensive asove endreportro: JST> Invigator winceled. CA PROJECTIVANE UGA TEMMENDALCAR PRITE ADDRESS A HOWENS GA ANALYSIS REQUESTED PROJECT INFORMATION **81588** PROJECT # 1604 12 17 Blim 4H2NES GA 30323 DATECTIME 9/1/2/S XIIIIX (See codes) aboress ago Bammad D がんじょうしん CLIENT FEER UPS MAIL COURIER "EXITED BY COLLAN," SHIPAENT METHOD AES TEL (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX (770) 457-3188 Qrisb VIA × X States TIME SAMPLED である。 Same III. 24.24 DATE TD0 Z 110-712-4491 Evonin & Coulused SAMPLEID SPECIAL INSTRUCTIONS/COMMENTS D B 10 00 00 8 8 00 L SAKPEED BY AH \ \ \ \ プログ S O ٥ 2

Page 2 of 10

Client: BROWN AND CALDWELL

Project: UGA Tanyard Creek Case Narrative

Date:

2-Mar-12

Lab ID: 1202L17

The Chain of Custody was not received with the samples. Per Andrea Althoff via phone 2/24/2012 5:52pm, the samples were collected 2/24/2012 11:15am and were analyzed for Fecal coliform.

The Chain of Custody was received via email 2/28/2012 12:21pm.

Client: BROWN AND CALDWELL Client Sample ID: MP-1U

Project Name: UGA Tanyard Creek Collection Date: 2/24/2012 11:15:00 AM

Lab ID: 1202L17-001 Matrix: Aqueous

Analyses		Result	Qual	MDL	Reportii Limit	- I nife	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF)	SM9222D									
Fecal Coliform, (MF)		5100		200	200	Colonies/100n	nlR216207	100	02/24/2012 18:40	JW

Date:

2-Mar-12

Qualifiers:

* Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

NC Not confirmed

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value < Less than Result value

Client: BROWN AND CALDWELL Client Sample ID: MP-3D

Project Name: UGA Tanyard Creek Collection Date: 2/24/2012 11:15:00 AM

Lab ID: 1202L17-002 Matrix: Aqueous

Analyses		Result	Qual	MDL	Reportii Limit	- I nife	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF)	SM9222D									
Fecal Coliform, (MF)		12000		2000	2000	Colonies/100n	nlR216207	1000	02/24/2012 18:40	JW

Date:

2-Mar-12

Qualifiers:

* Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

NC Not confirmed

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Client: BROWN AND CALDWELL Client Sample ID: MP-3U

Project Name: UGA Tanyard Creek Collection Date: 2/24/2012 11:15:00 AM

Lab ID:1202L17-003Matrix:Aqueous

Analyses		Result	Qual	MDL	Reportin Limit		BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF)	SM9222D									
Fecal Coliform. (MF)		3000		200	200	Colonies/100n	nlR216207	100	02/24/2012 18:40	JW

Date:

2-Mar-12

Qualifiers:

* Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

NC Not confirmed

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value

< Less than Result value

Client: BROWN AND CALDWELL Client Sample ID: MP-8U

Project Name: UGA Tanyard Creek Collection Date: 2/24/2012 11:15:00 AM

Lab ID: 1202L17-004 Matrix: Aqueous

Analyses		Result	Qual	MDL	Reportir Limit		BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF)	SM9222D									
Fecal Coliform. (MF)		2200		200	200	Colonies/100n	nlR216207	100	02/24/2012 18:40	JW

Date:

2-Mar-12

Qualifiers:

* Value exceeds maximum contaminant level

BRL Not detected at MDL

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

NC Not confirmed

E Estimated value above quantitation range

S Spike Recovery outside limits due to matrix

J Estimated value detected below Reporting Limit

> Greater than Result value < Less than Result value

Sample/Cooler Receipt Checklist

Client Boun + Colduct		Work Order	Number	1202117
Checklist completed by Signature Date	lorlir	<u>.</u>		:
Carrier name: FedEx UPS Courier Client US	S Mail Other		_	
Shipping container/cooler in good condition?	Yes _	No	Not Present	
Custody seals intact on shipping container/cooler?	Yes	No	Not Present <u></u>	
Custody seals intact on sample bottles?	Yes	No	Not Present 🗹	
Container/Temp Blank temperature in compliance? (4°C±2)*	Yes 🗹	No		
Cooler #1 3.1 Cooler #2 Cooler #3				
Chain of custody present?	Yes	No _	ECC Nais	ua 2/28/12
Chain of custody signed when relinquished and received?	Yes 1	No		
Chain of custody agrees with sample labels?	Yes 1	No		
Samples in proper container/bottle?	Yes 🗹	No		
Sample containers intact?	Yes 🗹	No		
Sufficient sample volume for indicated test?	Yes _	No		
All samples received within holding time?	Yes _	No		
Was TAT marked on the COC?	Yes 🖊	No		
Proceed with Standard TAT as per project history?	Yes	No	Not Applicable	<u>i</u>
Water - VOA vials have zero headspace? No VOA vials su	bmitted/	Yes	No	
Water - pH acceptable upon receipt?	Yes	No	Not Applicable	<u>/</u> .
Adjusted?	Chec	ked by		
Sample Condition: Good/ Other(Explain)				
(For diffusive samples or AIHA lead) Is a known blank includ	ed? Yes	N	To	

See Case Narrative for resolution of the Non-Conformance.

\L\Quality Assurance\Checklists Procedures Sign-Off Templates\Checklists\Sample Receipt Checklists\Sample_Cooler_Receipt_Checklists

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

Client: BROWN AND CALDWELL

Project: UGA Tanyard Creek

Lab Order: 1202L17

Dates Report

Date: 2-Mar-12

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1202L17-001A	A MP-1U	2/24/2012 11:15:00AM	Aqueous	FECAL COLIFORM-MF			02/24/2012
1202L17-002A	A MP-3D	2/24/2012 11:15:00AM	Aqueous	FECAL COLIFORM-MF			02/24/2012
1202L17-003A	A MP-3U	2/24/2012 11:15:00AM	Aqueous	FECAL COLIFORM-MF			02/24/2012
1202L17-004A	A MP-8U	2/24/2012 11:15:00AM	Aqueous	FECAL COLIFORM-MF			02/24/2012

Client: BROWN AND CALDWELL

Project Name: UGA Tanyard Creek

Workorder: 1202L17

ANALYTICAL QC SUMMARY REPORT

Date:

2-Mar-12

BatchID: R216207

Sample ID: MB-R216207	Client ID:				Uni	ts: Colonie	s/100ml Prep	Date:		Run No: 216207
SampleType: MBLK	TestCode: Fe	ecal Coliform (MF)	SM9222D		Bat	chID: R21620	7 Ana	lysis Date: 02/24/	2012	Seq No: 4520841
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Fecal Coliform, (MF)	BRL	2	0	0	0	0	0	0	0	0
Sample ID: MB-R216207-2	Client ID:				Uni	ts: Colonie	s/100ml Prep	Date:		Run No: 216207
SampleType: MBLK	TestCode: Fe	ecal Coliform (MF)	SM9222D		Bate	chID: R21620	7 Ana	lysis Date: 02/24 /	2012	Seq No: 4520847
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
Fecal Coliform, (MF)	BRL	2	0	0	0	0	0	0	0	0

Qualifiers: > Greater than Result value

BRL Below reporting limit

Rpt Lim Reporting Limit

J Estimated value detected below Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix