



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

## CHAIN OF CUSTODY

Work Order 120217

**AIDS** TEL: (70) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

Date: 2-24-2012 Page 1 of 1

[illegible]

GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)  
 A = Air H+1 = Hydrofluoric acid + ice I = Ice only N = Nitric acid S+1 = Sulfuric acid + ice S+1+1 = Sodium Bisulfate/Methanol + ice O = Other (specify)  
 PRESENCE/NAIVE CODES

NA = None  
White Copy - Original Yellow Copy - Client

**Client:** BROWN AND CALDWELL  
**Project:** UGA Tanyard Creek  
**Lab ID:** 1202L17

**Case Narrative**

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.

**Analytical Environmental Services, Inc****Date:** 2-Mar-12

**Client:** BROWN AND CALDWELL  
**Project Name:** UGA Tanyard Creek  
**Lab ID:** 1202L17-001

**Client Sample ID:** MP-1U  
**Collection Date:** 2/24/2012 11:15:00 AM  
**Matrix:** Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
<b>Fecal Coliform (MF)</b>									
<b>SM9222D</b>									
Fecal Coliform, (MF)	5100		200	200	Colonies/100ml	R216207	100	02/24/2012 18:40	JW

**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
- Narr See case narrative

**Analytical Environmental Services, Inc****Date:** 2-Mar-12

**Client:** BROWN AND CALDWELL  
**Project Name:** UGA Tanyard Creek  
**Lab ID:** 1202L17-002

**Client Sample ID:** MP-3D  
**Collection Date:** 2/24/2012 11:15:00 AM  
**Matrix:** Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
<b>Fecal Coliform (MF)</b>									
<b>SM9222D</b>									
Fecal Coliform, (MF)	12000		2000	2000	Colonies/100ml	R216207	1000	02/24/2012 18:40	JW

**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
- Narr See case narrative

**Analytical Environmental Services, Inc****Date:** 2-Mar-12

**Client:** BROWN AND CALDWELL  
**Project Name:** UGA Tanyard Creek  
**Lab ID:** 1202L17-003

**Client Sample ID:** MP-3U  
**Collection Date:** 2/24/2012 11:15:00 AM  
**Matrix:** Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
<b>Fecal Coliform (MF)</b>									
<b>SM9222D</b>									
Fecal Coliform, (MF)	3000		200	200	Colonies/100ml	R216207	100	02/24/2012 18:40	JW

**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
- Narr See case narrative

**Analytical Environmental Services, Inc****Date:** 2-Mar-12

**Client:** BROWN AND CALDWELL  
**Project Name:** UGA Tanyard Creek  
**Lab ID:** 1202L17-004

**Client Sample ID:** MP-8U  
**Collection Date:** 2/24/2012 11:15:00 AM  
**Matrix:** Aqueous

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
<b>Fecal Coliform (MF)</b>									
<b>SM9222D</b>									
Fecal Coliform, (MF)	2200		200	200	Colonies/100ml	R216207	100	02/24/2012 18:40	JW

**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
- Narr See case narrative

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Brown & Caldwell Work Order Number 1202117

Checklist completed by [Signature] Date 2/24/12  
Signature

Carrier name: FedEx ☐ UPS ☐ Courier ☐ Client ☒ US Mail ☐ Other ☐

Shipping container/cooler in good condition? Yes ☒ No ☐ Not Present ☐

Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒

Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒

Container/Temp Blank temperature in compliance? (4°C±2)\* Yes ☒ No ☐

Cooler #1 3-1<sup>st</sup> Cooler #2 ☐ Cooler #3 ☐ Cooler #4 ☐ Cooler #5 ☐ Cooler #6 ☐

Chain of custody present? Yes ☐ No ☒ COC received 2/28/12 via email.

Chain of custody signed when relinquished and received? Yes ☒ No ☐

Chain of custody agrees with sample labels? Yes ☒ No ☐

Samples in proper container/bottle? Yes ☒ No ☐

Sample containers intact? Yes ☒ No ☐

Sufficient sample volume for indicated test? Yes ☒ No ☐

All samples received within holding time? Yes ☒ No ☐

Was TAT marked on the COC? Yes ☒ No ☐

Proceed with Standard TAT as per project history? Yes ☐ No ☐ Not Applicable ☒

Water - VOA vials have zero headspace? No VOA vials submitted ☒ Yes ☐ No ☐

Water - pH acceptable upon receipt? Yes ☐ No ☐ Not Applicable ☒

Adjusted? ☐ Checked by ☐  
Sample Condition: Good ☒ Other(Explain) ☐

(For diffusive samples or AIHA lead) Is a known blank included? Yes ☐ No ☒

See Case Narrative for resolution of the Non-Conformance.

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

\\Quality Assurance\\Checklists Procedures Sign-Off Templates\\Checklists\\Sample Receipt Checklists\\Sample\_Cooler\_Receipt\_Checklist



**Client:** BROWN AND CALDWELL  
**Project:** UGA Tanyard Creek  
**Lab Order:** 1202L17

**Dates Report**

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

BatchID: R216207

Sample ID: <b>MB-R216207</b>		Client ID:		Units: <b>Colonies/100ml</b>		Prep Date:		Run No: <b>216207</b>			
SampleType: <b>MBLK</b>		TestCode: <b>Fecal Coliform (MF)</b>		<b>SM9222D</b>		BatchID: <b>R216207</b>		Analysis Date: <b>02/24/2012</b>		Seq No: <b>4520841</b>	
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	
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Sample ID: <b>MB-R216207-2</b>	Client ID:				Units: <b>Colonies/100ml</b>			Prep Date:		Run No: <b>216207</b>	
SampleType: <b>MBLK</b>	TestCode: <b>Fecal Coliform (MF)</b>		<b>SM9222D</b>		BatchID: <b>R216207</b>			Analysis Date: <b>02/24/2012</b>		Seq No: <b>4520847</b>	
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	
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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		