



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 17, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2203G10

Analytical Environmental Services, Inc. received 3 samples on March 14, 2022 10:57 am for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/21-06/30/22.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/22 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

CHAIN OF CUSTODY

COMPANY: VHB		ADDRESS:					ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AES Access account.		Number of Containers			
PHONE: 770-458-7943		EMAIL:					Fecal Coliform TSS															
SAMPLED BY: Jayson Sutton		SIGNATURE: <i>Jayson Sutton</i>																				
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)										REMARKS					
		DATE	TIME																			
1	NC1	3/14	9:45	G		SW	X	X													O = New S ₂ O ₃	2
2	MC	↓	10:05	↓		↓	↓	↓														2
3	NC2	↓	10:35	↓		↓	↓	↓														2
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						

RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION				RECEIPT	
1. Jayson Sutton		3/14/22 10:57		<i>[Signature]</i>		3.14.22 10:57 am		PROJECT NAME: Dunwoody				Total # of Containers: 6	
2.				2.				PROJECT #: 63950				Turnaround Time (TAT) Request in Business Days	
3.				3.				SITE ADDRESS:				<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush* (auth req.)	
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD				SEND REPORT TO: ccrev@vhb.com				*Surcharges apply for Rush TAT	
				OUT: / / VIA: IN: / / VIA: Client FedEx UPS US mail courier other: _____				INVOICE TO (IF DIFFERENT FROM ABOVE):				REGULATORY PROGRAM (if any):	
								QUOTE #: _____ PO#: _____				DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>	

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. 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.

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC1
Project Name: Dunwoody	Collection Date: 3/14/2022 9:45:00 AM
Lab ID: 2203G10-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Residue, Suspended (TSS) by SM2540D									
Residue, Suspended (TSS)	2.8	J	0.8	4.0	mg/L	332813	1	03/17/2022 14:29	JP
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	800		100	100	Colonies/100 ml	R480123	100	03/14/2022 15:43	AA

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated value above quantitation range
	BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
	N Analyte not NELAC certified	> Greater than Result value
	B Analyte detected in the associated method blank	< Less than Result value
	F Analyzed in the lab which is a deviation from the method	Narr See case narrative

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: MC
Project Name: Dunwoody	Collection Date: 3/14/2022 10:05:00 AM
Lab ID: 2203G10-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Residue, Suspended (TSS) by SM2540D									
Residue, Suspended (TSS)	1.2	J	0.8	4.0	mg/L	332734	1	03/16/2022 14:16	JP
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	80		10	10	Colonies/100 ml	R480123	10	03/14/2022 15:43	AA

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated value above quantitation range
	BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
	N Analyte not NELAC certified	> Greater than Result value
	B Analyte detected in the associated method blank	< Less than Result value
	F Analyzed in the lab which is a deviation from the method	Narr See case narrative

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC2
Project Name: Dunwoody	Collection Date: 3/14/2022 10:35:00 AM
Lab ID: 2203G10-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Residue, Suspended (TSS) by SM2540D									
Residue, Suspended (TSS)	4.4		0.8	4.0	mg/L	332813	1	03/17/2022 14:29	JP
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	1200		100	100	Colonies/100 ml	R480123	100	03/14/2022 15:43	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

SAMPLE/COOLER RECEIPT CHECKLIST

Clear

Save as

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2203G10

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 3.0 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. 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). CP 3/14/2022

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). CW 3/14/22

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). CW 3/14/22

Locked

Client: Vanasse Hangen Brustlin, Inc
 Project Name: Dunwoody
 Lab Order: 2203G10

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2203G10-001A	NC1	3/14/2022 9:45:00AM	Surface Water	FECAL COLIFORM-MF			03/14/2022
2203G10-001B	NC1	3/14/2022 9:45:00AM	Surface Water	Residue, Suspended (TSS) by SM2540D		3/17/2022 9:27:33 AM	03/17/2022
2203G10-002A	MC	3/14/2022 10:05:00AM	Surface Water	FECAL COLIFORM-MF			03/14/2022
2203G10-002B	MC	3/14/2022 10:05:00AM	Surface Water	Residue, Suspended (TSS) by SM2540D		3/16/2022 9:00:14 AM	03/16/2022
2203G10-003A	NC2	3/14/2022 10:35:00AM	Surface Water	FECAL COLIFORM-MF			03/14/2022
2203G10-003B	NC2	3/14/2022 10:35:00AM	Surface Water	Residue, Suspended (TSS) by SM2540D		3/17/2022 9:27:33 AM	03/17/2022

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2203G10

ANALYTICAL QC SUMMARY REPORT

BatchID: 332734

Sample ID: MB-332734	Client ID:	Units: mg/L	Prep Date: 03/16/2022	Run No: 480230							
SampleType: MBLK	TestCode: Residue, Suspended (TSS) by SM2540D	BatchID: 332734	Analysis Date: 03/16/2022	Seq No: 11110304							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Residue, Suspended (TSS)

BRL 5.0

Sample ID: LCS-332734	Client ID:	Units: mg/L	Prep Date: 03/16/2022	Run No: 480230							
SampleType: LCS	TestCode: Residue, Suspended (TSS) by SM2540D	BatchID: 332734	Analysis Date: 03/16/2022	Seq No: 11110306							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Residue, Suspended (TSS)

50.00 20.0 56.80 88.0 73.59 126.41

Sample ID: 2203G10-002BDUP	Client ID: MC	Units: mg/L	Prep Date: 03/16/2022	Run No: 480230							
SampleType: DUP	TestCode: Residue, Suspended (TSS) by SM2540D	BatchID: 332734	Analysis Date: 03/16/2022	Seq No: 11110311							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Residue, Suspended (TSS)

1.200 4.0 1.200 0 10 J

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: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2203G10

ANALYTICAL QC SUMMARY REPORT

BatchID: 332813

Sample ID: MB-332813	Client ID:	Units: mg/L	Prep Date: 03/17/2022	Run No: 480348							
SampleType: MBLK	TestCode: Residue, Suspended (TSS) by SM2540D	BatchID: 332813	Analysis Date: 03/17/2022	Seq No: 11114823							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Residue, Suspended (TSS)

BRL 5.0

Sample ID: LCS-332813	Client ID:	Units: mg/L	Prep Date: 03/17/2022	Run No: 480348							
SampleType: LCS	TestCode: Residue, Suspended (TSS) by SM2540D	BatchID: 332813	Analysis Date: 03/17/2022	Seq No: 11114825							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Residue, Suspended (TSS)

48.00 20.0 56.80 84.5 73.59 126.41

Sample ID: 2203H15-005ADUP	Client ID:	Units: mg/L	Prep Date: 03/17/2022	Run No: 480348							
SampleType: DUP	TestCode: Residue, Suspended (TSS) by SM2540D	BatchID: 332813	Analysis Date: 03/17/2022	Seq No: 11114828							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Residue, Suspended (TSS)

11.00 2.0 11.20 1.80 10

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: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2203G10

ANALYTICAL QC SUMMARY REPORT

BatchID: R480123

Sample ID: MB-R480123	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 480123							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R480123	Analysis Date: 03/14/2022	Seq No: 11105554							
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 1

Sample ID: MB-R480123-2	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 480123							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R480123	Analysis Date: 03/14/2022	Seq No: 11107265							
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 1

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	

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 22, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2203K60

Analytical Environmental Services, Inc. received 3 samples on 3/17/2022 10:00:00 AM for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/21-06/30/22.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/22 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

COMPANY: VHB		ADDRESS:					ANALYSIS REQUESTED							Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers				
PHONE: 770-458-7443		EMAIL:					Fecal Coliform												
SAMPLED BY: Jayson Sutton		SIGNATURE: Jayson Sutton						PRESERVATION (see codes)											
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)								REMARKS					
		DATE	TIME				PRESERVATION (see codes)												
1	MC1	3/17	8:55	G		SCU										X		① = Na2S2O3	1
2	MC	↓	9:20	↓		↓										↓			1
3	MC2	↓	9:45	↓		↓										↓			1
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
RELINQUISHED BY:		DATE/TIME:	RECEIVED BY:	DATE/TIME:	PROJECT INFORMATION							RECEIPT							
1. Jayson Sutton		3/17/22/10:04	1. Jayson Sutton		2/17/22/10:04		PROJECT NAME: Dunwoody							Total # of Containers 3					
2.			2.				PROJECT #: 6410.00							Turnaround Time (TAT) Request in Business Days					
3.			3.				SITE ADDRESS:							<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush* (auth req.)					
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		SEND REPORT TO: ccrev@vhb.com							*Surcharges apply for Rush TAT								
		OUT:	VIA:		INVOICE TO (IF DIFFERENT FROM ABOVE):							REGULATORY PROGRAM (if any):							
		IN:	VIA:		QUOTE #: _____ PO#: _____							DATA PACKAGE: I ○ II ○ III ○ IV ○							
		Client	FedEx	UPS	US mail	courier													
		other: _____																	

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. 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.

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC7
Project Name: Dunwoody	Collection Date: 3/17/2022 8:55:00 AM
Lab ID: 2203K60-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	24000		1000	1000	Colonies/100 ml	R480500	1000	03/17/2022 15:22	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: MC
Project Name: Dunwoody	Collection Date: 3/17/2022 9:20:00 AM
Lab ID: 2203K60-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	1500		100	100	Colonies/100 ml	R480500	100	03/17/2022 15:22	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC2
Project Name: Dunwoody	Collection Date: 3/17/2022 9:45:00 AM
Lab ID: 2203K60-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	2600		100	100	Colonies/100 ml	R480500	100	03/17/2022 15:22	AA

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
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- E Estimated value above quantitation range
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- > Greater than Result value
- < Less than Result value
- Narr See case narrative

SAMPLE/COOLER RECEIPT CHECKLIST

Clear

Save as

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2203K60

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 3.2 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. 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). CP 3/17/2022

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). HM 3/18/22

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). HM 3/18/22

Locked

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2203K60

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2203K60-001A	NC7	3/17/2022 8:55:00AM	Surface Water	FECAL COLIFORM-MF			03/17/2022
2203K60-002A	MC	3/17/2022 9:20:00AM	Surface Water	FECAL COLIFORM-MF			03/17/2022
2203K60-003A	NC2	3/17/2022 9:45:00AM	Surface Water	FECAL COLIFORM-MF			03/17/2022

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2203K60

ANALYTICAL QC SUMMARY REPORT

BatchID: R480500

Sample ID: MB-R480500	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 480500							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R480500	Analysis Date: 03/17/2022	Seq No: 11116412							
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 1

Sample ID: MB-R480500-2	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 480500							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R480500	Analysis Date: 03/17/2022	Seq No: 11118432							
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 1

Sample ID: MB-R480500-3	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 480500							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R480500	Analysis Date: 03/17/2022	Seq No: 11118456							
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 1

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	

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 29, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2203Q33

Analytical Environmental Services, Inc. received 3 samples on 3/22/2022 2:10:00 PM for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/21-06/30/22.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/22 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

COMPANY: VHB		ADDRESS:					ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers
PHONE: 770 458 7943		EMAIL:					PRESERVATION (see codes)												
SAMPLED BY: Casey Dunn		SIGNATURE: <i>Casey Dunn</i>															REMARKS		
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)													
		DATE	TIME																
1	Site NC 1	3/22	10:00	X		SW	X											O = Na ₂ S ₂ O ₃	1
2	↓ MC	↓	10:20	↓		↓	↓												1
3	↓ NC 2	↓	11:00	↓		↓	↓												1
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			

RELINQUISHED BY: 1. <i>Casey Dunn</i>		DATE/TIME: 3/22/2022 / 14:16		RECEIVED BY: 1. <i>Joe Campbell</i>		DATE/TIME: 3/22/22 / 14:10		PROJECT INFORMATION				RECEIPT	
2.				3.				PROJECT NAME: Dunwoody				Total # of Containers: 3	
3.								PROJECT #: 64110				Turnaround Time (TAT) Request in Business Days	
								SITE ADDRESS:				<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush*(auth req.)	
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD						SEND REPORT TO:				*Surcharges apply for Rush TAT	
		OUT: / / VIA:						INVOICE TO (IF DIFFERENT FROM ABOVE):				REGULATORY PROGRAM (if any):	
		IN: Client FedEx UPS US mail courier						QUOTE #:				DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>	
		other: _____						PO#:					

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. 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.

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: SITE NC 1
Project Name: Dunwoody	Collection Date: 3/22/2022 10:00:00 AM
Lab ID: 2203Q33-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	140		10	10	Colonies/100 ml	R481052	10	03/22/2022 17:00	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: SITE MC
Project Name: Dunwoody	Collection Date: 3/22/2022 10:20:00 AM
Lab ID: 2203Q33-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	130		10	10	Colonies/100 ml	R481052	10	03/22/2022 17:00	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: SITE NC 2
Project Name: Dunwoody	Collection Date: 3/22/2022 11:00:00 AM
Lab ID: 2203Q33-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	1900		100	100	Colonies/100 ml	R481052	100	03/22/2022 17:00	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

SAMPLE/COOLER RECEIPT CHECKLIST

Clear

Save as

1. Client Name: Vanasse Hangen Brustlin, Inc.

AES Work Order Number: 2203Q33

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 3.1 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. 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). CP 3/22/2022

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). CH 3/23/22

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). CH 3/23/22

Locked

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2203Q33

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2203Q33-001A	SITE NC 1	3/22/2022 10:00:00AM	Surface Water	FECAL COLIFORM-MF			03/22/2022
2203Q33-002A	SITE MC	3/22/2022 10:20:00AM	Surface Water	FECAL COLIFORM-MF			03/22/2022
2203Q33-003A	SITE NC 2	3/22/2022 11:00:00AM	Surface Water	FECAL COLIFORM-MF			03/22/2022

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2203Q33

ANALYTICAL QC SUMMARY REPORT

BatchID: R481052

Sample ID: MB-R481052	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 481052							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R481052	Analysis Date: 03/22/2022	Seq No: 11134302							
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 1

Sample ID: MB-R481052-2	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 481052							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R481052	Analysis Date: 03/22/2022	Seq No: 11134325							
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 1

Sample ID: MB-R481052-3	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 481052							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R481052	Analysis Date: 03/22/2022	Seq No: 11134347							
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 1

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	

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

April 05, 2022

Casey Dunn
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Casey Dunn:

Order No: 2203X88

Analytical Environmental Services, Inc. received 3 samples on March 29, 2022 11:43 am for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/21-06/30/22.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/22 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

COMPANY: VHB		ADDRESS:				ANALYSIS REQUESTED												Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers
PHONE: 770-458-7943		EMAIL:				PRESERVATION (see codes)													
SAMPLED BY: Casey Dunn		SIGNATURE: <i>Casey Dunn</i>				REMARKS													
#	SAMPLE ID	DATE	TIME	GRAB	COMPOSITE	MATRIX (see codes)													
1	Site NC-1	3/29	10:45	X		SW	Fece/Col:6cm							O = NO2 S2O3	1				
2	↓ MC	↓	11:05	↓			XX								1				
3	↓ NC-2	↓	11:25	↓			X								1				
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			

RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION				RECEIPT			
1. <i>Casey Dunn</i>		3/29/2022		1. <i>COOP</i>		3.29.22		PROJECT NAME: Dunwoody 64110				Total # of Containers		3	
2.				2.		11:43 am		PROJECT #: SITE ADDRESS:				Turnaround Time (TAT) Request in Business Days			
3.				3.				SEND REPORT TO:				<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush*(auth req.)			
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		OUT: / /				INVOICE TO (IF DIFFERENT FROM ABOVE):				REGULATORY PROGRAM (if any):			
				IN: / /								*Surcharges apply for Rush TAT			
				Client FedEx UPS US mail courier				QUOTE #:				PO#:			
				other: _____								DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>			

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. 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.

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: SITE NC-1
Project Name: Dunwoody	Collection Date: 3/29/2022 10:45:00 AM
Lab ID: 2203X88-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	60		10	10	Colonies/100 ml	R481617	10	03/29/2022 14:28	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: SITE MC
Project Name: Dunwoody	Collection Date: 3/29/2022 11:05:00 AM
Lab ID: 2203X88-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	330		10	10	Colonies/100 ml	R481617	10	03/29/2022 14:28	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: SITE NC-2
Project Name: Dunwoody	Collection Date: 3/29/2022 11:25:00 AM
Lab ID: 2203X88-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	3200		100	100	Colonies/100 ml	R481617	100	03/29/2022 14:28	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2203X88

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 3.9 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. 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). CP 3/29/2022

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). CD 03/30/22

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). CD 03/30/22

Locked

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2203X88

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2203X88-001A	SITE NC-1	3/29/2022 10:45:00AM	Surface Water	FECAL COLIFORM-MF			03/29/2022
2203X88-002A	SITE MC	3/29/2022 11:05:00AM	Surface Water	FECAL COLIFORM-MF			03/29/2022
2203X88-003A	SITE NC-2	3/29/2022 11:25:00AM	Surface Water	FECAL COLIFORM-MF			03/29/2022

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2203X88

ANALYTICAL QC SUMMARY REPORT

BatchID: R481617

Sample ID: MB-R481617	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 481617							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R481617	Analysis Date: 03/29/2022	Seq No: 11149801							
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 1

Sample ID: MB-R481617-2	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 481617							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R481617	Analysis Date: 03/29/2022	Seq No: 11158010							
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 1

Sample ID: MB-R481617-3	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 481617							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R481617	Analysis Date: 03/29/2022	Seq No: 11158015							
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 1

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	

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

May 24, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2205K13

Analytical Environmental Services, Inc. received 3 samples on 5/18/2022 10:00:00 AM for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/21-06/30/22.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/22 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

CHAIN OF CUSTODY

COMPANY:		ADDRESS:					ANALYSIS REQUESTED											Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers
PHONE: <u>UHB 770-458-7943</u>		EMAIL:					Fecal coliform												
SAMPLED BY: <u>Casey Dunn</u>		SIGNATURE: <u>Casey Dunn</u>					PRESERVATION (see codes)												
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)											REMARKS	
		DATE	TIME																
1	NC-1	5/18	8:50	X		SW	X												
2	MC	↓	9:15	↓		↓	X												
3	NC-2	↓	9:35	↓		↓	X												
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			

RELINQUISHED BY: <u>Casey Dunn</u>	DATE/TIME: <u>5/18/2022 10:00</u>	RECEIVED BY: <u>[Signature]</u>	DATE/TIME: <u>5/18/22 10:00</u>	PROJECT INFORMATION	RECEIPT
				PROJECT NAME: <u>Dunwoody</u>	Total # of Containers: <u>3</u>
				PROJECT #: <u>64110</u>	Turnaround Time (TAT) Request in Business Days
				SITE ADDRESS:	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush*
				SEND REPORT TO:	<input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush*
				INVOICE TO (IF DIFFERENT FROM ABOVE):	<input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		QUOTE #: _____	REGULATORY PROGRAM (if any):
		OUT: / / VIA:		PO#: _____	DATA PACKAGE: <input type="radio"/> I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV
		IN: <u>Client</u> VIA:		*Surcharges apply for Rush TAT	
		Client FedEx UPS US mail courier			
		other: _____			

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. 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 ST = Stormwater 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 NaOH = SH O = Other (specify) NA = None

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC-1
Project Name: Dunwoody	Collection Date: 5/18/2022 8:50:00 AM
Lab ID: 2205K13-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	250		10	10	Colonies/100 ml	R486333	10	05/18/2022 14:05	TG

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: MC
Project Name: Dunwoody	Collection Date: 5/18/2022 9:15:00 AM
Lab ID: 2205K13-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	290		10	10	Colonies/100 ml	R486333	10	05/18/2022 14:05	TG

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC-2
Project Name: Dunwoody	Collection Date: 5/18/2022 9:35:00 AM
Lab ID: 2205K13-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	380		10	10	Colonies/100 ml	R486333	10	05/18/2022 14:05	TG

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
- F Analyzed in the lab which is a deviation from the method

- 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

SAMPLE/COOLER RECEIPT CHECKLIST

Clear

Save as

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2205K13

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 0.4 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. 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). CP 5/18/2022

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). FM 5/18/22

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). FM 5/18/22

Locked

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2205K13

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2205K13-001A	NC-1	5/18/2022 8:50:00AM	Surface Water	FECAL COLIFORM-MF			05/18/2022
2205K13-002A	MC	5/18/2022 9:15:00AM	Surface Water	FECAL COLIFORM-MF			05/18/2022
2205K13-003A	NC-2	5/18/2022 9:35:00AM	Surface Water	FECAL COLIFORM-MF			05/18/2022

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2205K13

ANALYTICAL QC SUMMARY REPORT

BatchID: R486333

Sample ID: MB-R486333	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 486333							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R486333	Analysis Date: 05/18/2022	Seq No: 11303511							
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 1

Sample ID: MB-R486333-2	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 486333							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R486333	Analysis Date: 05/18/2022	Seq No: 11307317							
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 1

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		

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 01, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2205T10

Analytical Environmental Services, Inc. received 3 samples on 5/26/2022 10:38:00 AM for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/21-06/30/22.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/22 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

COMPANY: VHB		ADDRESS:		ANALYSIS REQUESTED		Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers		
PHONE: 770-458-7943		EMAIL:								
SAMPLED BY: Casey Deane		SIGNATURE: <i>Casey Deane</i>		PRESERVATION (see codes)					REMARKS	
#	SAMPLE ID	DATE	TIME							
1	Site NC-1	5/26	9:30	X		SW	X	1		
2	↓ MC	↓	9:50	↓		↓	X	1		
3	↓ NC-2	↓	10:15	↓		↓	X	1		
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
RELINQUISHED BY:		DATE/TIME:	RECEIVED BY:	DATE/TIME:	PROJECT INFORMATION		RECEIPT			
1. <i>Casey Deane</i>		5/26/2022/10:38	1. <i>Day Campbell</i>		5/26/22	PROJECT NAME:	Total # of Containers 3			
2.			2.		10:38	PROJECT #:	Turnaround Time (TAT) Request in Business Days			
3.			3.			SITE ADDRESS:	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush*(auth req.)			
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		INVOICE TO (IF DIFFERENT FROM ABOVE):		*Surcharges apply for Rush TAT				
		OUT: / /	VIA:			REGULATORY PROGRAM (if any):				
		IN: <u>Client</u> /	VIA:			DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>				
		Client FedEx UPS US mail courier	other: _____	QUOTE #:		PO#:				

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. 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.

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: SITE NC-1
Project Name: Dunwoody	Collection Date: 5/26/2022 9:30:00 AM
Lab ID: 2205T10-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	25000		1000	1000	Colonies/100 ml	R487118	1000	05/26/2022 15:15	TN

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: SITE MC
Project Name: Dunwoody	Collection Date: 5/26/2022 9:50:00 AM
Lab ID: 2205T10-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	3000		100	100	Colonies/100 ml	R487118	100	05/26/2022 15:15	TN

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: SITE NC-2
Project Name: Dunwoody	Collection Date: 5/26/2022 10:15:00 AM
Lab ID: 2205T10-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	7000		1000	1000	Colonies/100 ml	R487118	1000	05/26/2022 15:15	TN

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated value above quantitation range
	BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
	N Analyte not NELAC certified	> Greater than Result value
	B Analyte detected in the associated method blank	< Less than Result value
	F Analyzed in the lab which is a deviation from the method	Narr See case narrative

SAMPLE/COOLER RECEIPT CHECKLIST

Clear

Save as

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2205T10

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 2.8 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. 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). MJ 5/26/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). CD 05/26/22

This section only applies to samples where pH can be checked at Sample Receipt.

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). CD 05/26/22

Locked

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2205T10

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2205T10-001A	SITE NC-1	5/26/2022 9:30:00AM	Surface Water	FECAL COLIFORM-MF			05/26/2022
2205T10-002A	SITE MC	5/26/2022 9:50:00AM	Surface Water	FECAL COLIFORM-MF			05/26/2022
2205T10-003A	SITE NC-2	5/26/2022 10:15:00AM	Surface Water	FECAL COLIFORM-MF			05/26/2022

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2205T10

ANALYTICAL QC SUMMARY REPORT

BatchID: R487118

Sample ID: MB-R487118	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 487118							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R487118	Analysis Date: 05/26/2022	Seq No: 11326753							
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 1

Sample ID: MB-R487118-2	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 487118							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R487118	Analysis Date: 05/26/2022	Seq No: 11326768							
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 1

Sample ID: MB-R487118-3	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 487118							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R487118	Analysis Date: 05/26/2022	Seq No: 11326775							
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 1

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	

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 10, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2206789

Analytical Environmental Services, Inc. received 3 samples on 6/7/2022 2:00:00 PM for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/21-06/30/22.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/22 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

COMPANY: VHB		ADDRESS: 3772 Pleasantdale Rd. Ste 150 Atlanta, GA 30340					ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers																																															
PHONE: 770-458-7943		EMAIL:					<table border="1" style="width:100%; height: 100%; text-align: center;"> <tr><td colspan="10">Fecal coliform</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td colspan="10">PRESERVATION (see codes)</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td colspan="10">REMARKS</td></tr> </table>													Fecal coliform																				PRESERVATION (see codes)																				REMARKS						
Fecal coliform																																																																		
PRESERVATION (see codes)																																																																		
REMARKS																																																																		
SAMPLED BY: Sarah Murray		SIGNATURE: <i>Sarah Murray</i>					I, O										REMARKS																																																	
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)																																																												
		DATE	TIME																																																															
1	NC-1	6/7/22	12:20	X		SW	X											O = Na ₂ S ₂ O ₃																																																
2	MC	↓	12:45	↓		↓	↓																																																											
3	NC-2	↓	1:10	↓		↓	↓																																																											
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RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION										RECEIPT																																																
1. Sarah Murray		6/7/22 2:00		1. <i>[Signature]</i>		6/7/22 2:00p		PROJECT NAME: Dunwoody										Total # of Containers																																																
2.				2.				PROJECT #: 64110										Turnaround Time (TAT) Request in Business Days <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush*(auth req.) *Surcharges apply for Rush TAT																																																
3.				3.				SITE ADDRESS:																																																										
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD				SEND REPORT TO: ccrev@VHB.com										REGULATORY PROGRAM (if any):																																																
				OUT: / / VIA:				INVOICE TO (IF DIFFERENT FROM ABOVE):										DATA PACKAGE: I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/>																																																
				IN: <u>Client</u> / / VIA:				QUOTE #: _____ PO#: _____																																																										
				other: _____																																																														

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC-1
Project Name: Dunwoody	Collection Date: 6/7/2022 12:20:00 PM
Lab ID: 2206789-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	9000		1000	1000	Colonies/100 ml	R487976	1000	06/07/2022 16:00	TN

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated value above quantitation range
	BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
	N Analyte not NELAC certified	> Greater than Result value
	B Analyte detected in the associated method blank	< Less than Result value
	F Analyzed in the lab which is a deviation from the method	Narr See case narrative

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: MC
Project Name: Dunwoody	Collection Date: 6/7/2022 12:45:00 PM
Lab ID: 2206789-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	2500		100	100	Colonies/100 ml	R487976	100	06/07/2022 16:00	TN

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC-2
Project Name: Dunwoody	Collection Date: 6/7/2022 1:10:00 PM
Lab ID: 2206789-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	3900		100	100	Colonies/100 ml	R487976	100	06/07/2022 16:00	TN

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated value above quantitation range
	BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
	N Analyte not NELAC certified	> Greater than Result value
	B Analyte detected in the associated method blank	< Less than Result value
	F Analyzed in the lab which is a deviation from the method	Narr See case narrative

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2206789

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 1.3 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
 14. 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). CP 6/07/2022

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). CD 06/07/22

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). CD 06/07/22V

Locked

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2206789

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2206789-001A	NC-1	6/7/2022 12:20:00PM	Surface Water	FECAL COLIFORM-MF			06/07/2022
2206789-002A	MC	6/7/2022 12:45:00PM	Surface Water	FECAL COLIFORM-MF			06/07/2022
2206789-003A	NC-2	6/7/2022 1:10:00PM	Surface Water	FECAL COLIFORM-MF			06/07/2022

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2206789

ANALYTICAL QC SUMMARY REPORT

BatchID: R487976

Sample ID: MB-R487976	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 487976							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R487976	Analysis Date: 06/07/2022	Seq No: 11353005							
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 1

Sample ID: MB-R487976-2	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 487976							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R487976	Analysis Date: 06/07/2022	Seq No: 11358853							
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 1

Sample ID: MB-R487976-3	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 487976							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R487976	Analysis Date: 06/07/2022	Seq No: 11358861							
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 1

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	

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 16, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2206F32

Analytical Environmental Services, Inc. received 3 samples on 6/13/2022 3:39:00 PM for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/21-06/30/22.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/22 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

CHAIN OF CUSTODY

COMPANY: VHB		ADDRESS:					ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers	
PHONE: 270-458-7943		EMAIL:					(Grid for analysis requested)												
SAMPLED BY: Jayson Sutton		SIGNATURE: <i>Jayson Sutton</i>																	
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)										REMARKS		
		DATE	TIME																
1	NC1	6/13	2:35	6		SW	X												1
2	MC	↓	2:45	↓		↓	↓												1
3	NC2	↓	3:10	↓		↓	↓												1
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			

RELINQUISHED BY: 1. <i>Jayson Sutton</i>	DATE/TIME: 6/13/22 3:39	RECEIVED BY: <i>[Signature]</i>	DATE/TIME: 6/13/22 3:39p	PROJECT INFORMATION						RECEIPT	
				PROJECT NAME: Dunwoody						Total # of Containers 3	
				PROJECT #: 6410						Turnaround Time (TAT) Request in Business Days	
				SITE ADDRESS:						<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> 4-Day Rush*
				SEND REPORT TO: ccrev@vhb.com						<input type="checkbox"/> 3-Day Rush*	<input type="checkbox"/> 2-Day Rush*
				INVOICE TO (IF DIFFERENT FROM ABOVE):						<input type="checkbox"/> Next Day Rush*	<input type="checkbox"/> Other
				QUOTE #:						<input type="checkbox"/> Same-Day Rush*(auth req.)	*Surcharges apply for Rush TAT
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD								REGULATORY PROGRAM (if any):	
		OUT: / / VIA: IN: <i>Client</i> FedEx UPS US mail courier other: _____								DATA PACKAGE: I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/>	

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. 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.

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC1
Project Name: Dunwoody	Collection Date: 6/13/2022 2:35:00 PM
Lab ID: 2206F32-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	370		10	10	Colonies/100 ml	R488600	10	06/13/2022 16:18	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: MC
Project Name: Dunwoody	Collection Date: 6/13/2022 2:45:00 PM
Lab ID: 2206F32-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	310		10	10	Colonies/100 ml	R488600	10	06/13/2022 16:18	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC2
Project Name: Dunwoody	Collection Date: 6/13/2022 3:10:00 PM
Lab ID: 2206F32-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	410		10	10	Colonies/100 ml	R488600	10	06/13/2022 16:18	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2206F32

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 3.9 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
 14. 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). MJ 6/13/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). AC 6/13/22

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). AC 6/13/22

Locked

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2206F32

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2206F32-001A	NC1	6/13/2022 2:35:00PM	Surface Water	FECAL COLIFORM-MF			06/13/2022
2206F32-002A	MC	6/13/2022 2:45:00PM	Surface Water	FECAL COLIFORM-MF			06/13/2022
2206F32-003A	NC2	6/13/2022 3:10:00PM	Surface Water	FECAL COLIFORM-MF			06/13/2022

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2206F32

ANALYTICAL QC SUMMARY REPORT

BatchID: R488600

Sample ID: MB-R488600	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 488600							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R488600	Analysis Date: 06/13/2022	Seq No: 11372957							
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 1

Sample ID: MB-R488600-2	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 488600							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R488600	Analysis Date: 06/13/2022	Seq No: 11372967							
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 1

Sample ID: MB-R488600-3	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 488600							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R488600	Analysis Date: 06/13/2022	Seq No: 11372978							
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 1

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	

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

August 15, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc

3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2208B89

Analytical Environmental Services, Inc. received 3 samples on 8/10/2022 1:35:00 PM for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/22-06/30/23.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/23 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

CHAIN OF CUSTODY

COMPANY: VHB		ADDRESS: 3772 Pleasantdale Rd - Ste 150 Atlanta 30340					ANALYSIS REQUESTED Fecal coliform						Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers	
PHONE:		EMAIL:					PRESERVATION (see codes)								REMARKS 0 = Na₂S₂O₃
SAMPLED BY: Sarah Murray		SIGNATURE: <i>Sarah Murray</i>													
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)						REMARKS	Number of Containers	
		DATE	TIME												
1	NC-1	8/10	9:10	X		SW	X	I	O					1	
2	NC-2	↓	10:00	↓		↓	↓	↓						1	
3	MC	↓	9:40	↓		↓	↓	↓						1	
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION						RECEIPT	
1. <i>Sarah Murray</i>		8/10/22 1335		<i>OC</i>		8/10/22 1335		PROJECT NAME: Dunwoody						Total # of Containers: 3	
2.				3.				PROJECT #: 64110						Turnaround Time (TAT) Request in Business Days	
3.								SITE ADDRESS: ECF						<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush*	
								SEND REPORT TO: ccrev@vhb.com						<input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush*	
								INVOICE TO (IF DIFFERENT FROM ABOVE):						<input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____	
								SHIPMENT METHOD						<input type="checkbox"/> Same-Day Rush*(auth req.)	
								OUT: / / VIA:						*Surcharges apply for Rush TAT	
								IN: / / VIA:						REGULATORY PROGRAM (if any):	
								Client FedEx UPS US mail courier						DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>	
								other: _____						QUOTE #: _____ PO#: _____	

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. 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.

3.18.21_COC

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC-1
Project Name: Dunwoody	Collection Date: 8/10/2022 9:10:00 AM
Lab ID: 2208B89-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	2000		100	100	Colonies/100 ml	R493632	100	08/10/2022 15:17	TG

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC-2
Project Name: Dunwoody	Collection Date: 8/10/2022 10:00:00 AM
Lab ID: 2208B89-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	1600		100	100	Colonies/100 ml	R493632	100	08/10/2022 15:17	TG

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated value above quantitation range
	BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
	N Analyte not NELAC certified	> Greater than Result value
	B Analyte detected in the associated method blank	< Less than Result value
	F Analyzed in the lab which is a deviation from the method	Narr See case narrative

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: MC
Project Name: Dunwoody	Collection Date: 8/10/2022 9:40:00 AM
Lab ID: 2208B89-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	800		100	100	Colonies/100 ml	R493632	100	08/10/2022 15:17	TG

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
- F Analyzed in the lab which is a deviation from the method

- 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

SAMPLE/COOLER RECEIPT CHECKLIST

Clear

Save as

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2208B89

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 3.5 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. 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). CP 8/10/2022

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). CD 08/10/22

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). CD 08/10/22

Locked

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2208B89

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2208B89-001A	NC-1	8/10/2022 9:10:00AM	Surface Water	FECAL COLIFORM-MF			08/10/2022
2208B89-002A	NC-2	8/10/2022 10:00:00AM	Surface Water	FECAL COLIFORM-MF			08/10/2022
2208B89-003A	MC	8/10/2022 9:40:00AM	Surface Water	FECAL COLIFORM-MF			08/10/2022

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2208B89

ANALYTICAL QC SUMMARY REPORT

BatchID: R493632

Sample ID: MB-R493632	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 493632							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R493632	Analysis Date: 08/10/2022	Seq No: 11522024							
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 1

Sample ID: MB-R493632-2	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 493632							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R493632	Analysis Date: 08/10/2022	Seq No: 11522033							
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 1

Sample ID: MB-R493632-3	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 493632							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R493632	Analysis Date: 08/10/2022	Seq No: 11522041							
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 1

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	

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

August 25, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2208M31

Analytical Environmental Services, Inc. received 3 samples on August 22, 2022 3:06 pm for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/22-06/30/23.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/23 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

CHAIN OF CUSTODY

COMPANY: VHB		ADDRESS:					ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers																							
PHONE: 770-458-7943		EMAIL:					<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; justify-content: space-between; width: 100%;"> Fecal Coliform <table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;"></td></tr> </table> </div> </div>																																		
SAMPLED BY: Jayson Sutton		SIGNATURE: Jayson Sutton																																							
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)															REMARKS																			
		DATE	TIME																																						
1	NC-1	8/22	2:00	✓		SW																									O=Na₂SO₃	1									
2	MC	↓	2:15	↓		↓																										1									
3	NC-2	↓	2:45	↓		↓																										1									
4																																									
5																																									
6																																									
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9																																									
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11																																									
12																																									
13																																									
14																																									
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION										RECEIPT																							
1. Jayson Sutton		1. 8/22/22 3:00		1. LEILA DYE		1. 8.22.22 15:06		PROJECT NAME: Dunwoody										Total # of Containers 3																							
2.		2.		2.		2.		PROJECT #: 64110											Turnaround Time (TAT) Request in Business Days <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush*(auth req.) *Surcharges apply for Rush TAT																						
3.		3.		3.		3.		SITE ADDRESS:																																	
								SEND REPORT TO: CCRBnv@vhb.com																																	
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD		OUT: / / VIA: IN: / / VIA: Client FedEx UPS US mail courier other: _____		INVOICE TO (IF DIFFERENT FROM ABOVE):										REGULATORY PROGRAM (if any):																							
								QUOTE #: _____ PO#: _____										DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>																							

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC-1
Project Name: Dunwoody	Collection Date: 8/22/2022 2:00:00 PM
Lab ID: 2208M31-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	2800		100	100	Colonies/100 ml	R494437	100	08/22/2022 15:53	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: MC
Project Name: Dunwoody	Collection Date: 8/22/2022 2:15:00 PM
Lab ID: 2208M31-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	900		100	100	Colonies/100 ml	R494437	100	08/22/2022 15:53	AA

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated value above quantitation range
	BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
	N Analyte not NELAC certified	> Greater than Result value
	B Analyte detected in the associated method blank	< Less than Result value
	F Analyzed in the lab which is a deviation from the method	Narr See case narrative

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC-2
Project Name: Dunwoody	Collection Date: 8/22/2022 2:45:00 PM
Lab ID: 2208M31-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	11000		1000	1000	Colonies/100 ml	R494437	1000	08/22/2022 15:53	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2208M31

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 2.8 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
 14. 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). MJ 8/22/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). CD 08/22/22

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). CD 08/22/22

Locked

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2208M31

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2208M31-001A	NC-1	8/22/2022 2:00:00PM	Surface Water	FECAL COLIFORM-MF			08/22/2022
2208M31-002A	MC	8/22/2022 2:15:00PM	Surface Water	FECAL COLIFORM-MF			08/22/2022
2208M31-003A	NC-2	8/22/2022 2:45:00PM	Surface Water	FECAL COLIFORM-MF			08/22/2022

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2208M31

ANALYTICAL QC SUMMARY REPORT

BatchID: R494437

Sample ID: MB-R494437	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 494437							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R494437	Analysis Date: 08/22/2022	Seq No: 11543904							
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 1

Sample ID: MB-R494437-2	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 494437							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R494437	Analysis Date: 08/22/2022	Seq No: 11543914							
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 1

Sample ID: MB-R494437-3	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 494437							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R494437	Analysis Date: 08/22/2022	Seq No: 11543919							
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 1

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	

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

September 06, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2208Y63

Analytical Environmental Services, Inc. received 3 samples on August 31, 2022 2:50 pm for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/22-06/30/23.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/23 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

COMPANY: VHB		ADDRESS:					ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers				
PHONE: 770-458-7943		EMAIL:					Fecal Coliform (Grid columns for analysis)															
SAMPLED BY: Jayson Sutton		SIGNATURE: Jayson Sutton																				
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)										REMARKS					
		DATE	TIME																			
1	NC2	8/31	1:45	φ		SW															O=Na ₂ S ₂ O ₃	1
2	MC	↓	2:00	↓		↓																1
3	NC2	↓	2:30	↓		↓																1
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
RELINQUISHED BY: Jayson Sutton		DATE/TIME: 8/31/22 2:50		RECEIVED BY: LEILA DYE		DATE/TIME: 8.31.22 14:50		PROJECT INFORMATION										RECEIPT				
2.				3.				PROJECT NAME: Dunwoody										Total # of Containers 3				
3.								PROJECT #: 64110										Turnaround Time (TAT) Request in Business Days				
								SITE ADDRESS:										<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush*(auth req.)				
								SEND REPORT TO: CCREnv@vhb.com										*Surcharges apply for Rush TAT				
								INVOICE TO (IF DIFFERENT FROM ABOVE):										REGULATORY PROGRAM (if any):				
								SHIPMENT METHOD										DATA PACKAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> O				
								OUT: / /		VIA:												
								IN: / /		VIA:												
								Client		FedEx		UPS		US mail		courier						
								other: _____														
Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. 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.																						

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC1
Project Name: Dunwoody	Collection Date: 8/31/2022 1:45:00 PM
Lab ID: 2208Y63-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	2100		100	100	Colonies/100 ml	R495490	100	08/31/2022 15:52	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: MC
Project Name: Dunwoody	Collection Date: 8/31/2022 2:00:00 PM
Lab ID: 2208Y63-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	1000		100	100	Colonies/100 ml	R495490	100	08/31/2022 15:52	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC2
Project Name: Dunwoody	Collection Date: 8/31/2022 2:30:00 PM
Lab ID: 2208Y63-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	1200		100	100	Colonies/100 ml	R495490	100	08/31/2022 15:52	AA

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated value above quantitation range
	BRL Not detected at MDL	S Spike Recovery outside limits due to matrix
	H Holding times for preparation or analysis exceeded	J Estimated value detected below Reporting Limit
	N Analyte not NELAC certified	> Greater than Result value
	B Analyte detected in the associated method blank	< Less than Result value
	F Analyzed in the lab which is a deviation from the method	Narr See case narrative

SAMPLE/COOLER RECEIPT CHECKLIST

Clear

Save as

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2208Y63

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 2.3 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. 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). HM 8/31/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). HM 8/31/22

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). HM 8/31/22

Locked

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2208Y63

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2208Y63-001A	NC1	8/31/2022 1:45:00PM	Surface Water	FECAL COLIFORM-MF			08/31/2022
2208Y63-002A	MC	8/31/2022 2:00:00PM	Surface Water	FECAL COLIFORM-MF			08/31/2022
2208Y63-003A	NC2	8/31/2022 2:30:00PM	Surface Water	FECAL COLIFORM-MF			08/31/2022

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2208Y63

ANALYTICAL QC SUMMARY REPORT

BatchID: R495490

Sample ID: MB-R495490	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 495490							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R495490	Analysis Date: 08/31/2022	Seq No: 11573424							
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 1

Sample ID: MB-R495490-2	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 495490							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R495490	Analysis Date: 08/31/2022	Seq No: 11573435							
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 1

Sample ID: MB-R495490-3	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 495490							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R495490	Analysis Date: 08/31/2022	Seq No: 11573444							
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 1

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	

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

September 09, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2209438

Analytical Environmental Services, Inc. received 3 samples on 9/6/2022 2:26:00 PM for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/22-06/30/23.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/23 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

CHAIN OF CUSTODY

COMPANY: VHIB		ADDRESS:				ANALYSIS REQUESTED							Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AES Access account.	Number of Containers	
PHONE: 770-458-7943		EMAIL:				Fecal Coliform									
SAMPLED BY: Jayson Sutton		SIGNATURE: <i>Jayson Sutton</i>				PRESERVATION (see codes)									
#	SAMPLE ID	DATE	TIME	GRAB	COMPOSITE	MATRIX (see codes)						REMARKS			
1	NC-1	9/6	1:30	G		SW	X						O=Na2S2O3	1	
2	MC	L	1:40	↓		↓	↓							1	
3	NC-2	L	2:10	↓		↓	↓							1	
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
RELINQUISHED BY: 1. Jayson Sutton		DATE/TIME: 9/6/22 12:26		RECEIVED BY: <i>[Signature]</i>		DATE/TIME: 9/6/22 2:26p		PROJECT INFORMATION PROJECT NAME: Danwoody PROJECT #: 64110 SITE ADDRESS: SEND REPORT TO: CCREnv@vnb.com INVOICE TO (IF DIFFERENT FROM ABOVE): QUOTE #: _____ PO#: _____					RECEIPT Total # of Containers 3 Turnaround Time (TAT) Request in Business Days <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush* (auth req.) *Surcharges apply for Rush TAT REGULATORY PROGRAM (if any): DATA PACKAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> O		
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD OUT: <input checked="" type="checkbox"/> Client / <input type="checkbox"/> FedEx / <input type="checkbox"/> UPS / <input type="checkbox"/> US mail / <input type="checkbox"/> courier IN: <input checked="" type="checkbox"/> Client / <input type="checkbox"/> FedEx / <input type="checkbox"/> UPS / <input type="checkbox"/> US mail / <input type="checkbox"/> courier other: _____											

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. 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.

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC-1
Project Name: Dunwoody	Collection Date: 9/6/2022 1:30:00 PM
Lab ID: 2209438-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	5600		100	100	Colonies/100 ml	R495609	100	09/06/2022 16:17	TN

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: MC
Project Name: Dunwoody	Collection Date: 9/6/2022 1:40:00 PM
Lab ID: 2209438-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	1600		100	100	Colonies/100 ml	R495609	100	09/06/2022 16:17	TN

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC-2
Project Name: Dunwoody	Collection Date: 9/6/2022 2:10:00 PM
Lab ID: 2209438-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Fecal Coliform (MF) SM9222D									
Fecal Coliform, (MF)	3000		100	100	Colonies/100 ml	R495609	100	09/06/2022 16:17	TN

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
- F Analyzed in the lab which is a deviation from the method

- 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

SAMPLE/COOLER RECEIPT CHECKLIST

Clear

Save as

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2209438

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 2.8 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. 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). CW 9/6/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). CW 9/6/22

This section only applies to samples where pH can be checked at Sample Receipt.

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). CW 9/6/22

Locked

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2209438

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2209438-001A	NC-1	9/6/2022 1:30:00PM	Surface Water	FECAL COLIFORM-MF			09/06/2022
2209438-002A	MC	9/6/2022 1:40:00PM	Surface Water	FECAL COLIFORM-MF			09/06/2022
2209438-003A	NC-2	9/6/2022 2:10:00PM	Surface Water	FECAL COLIFORM-MF			09/06/2022

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2209438

ANALYTICAL QC SUMMARY REPORT

BatchID: R495609

Sample ID: MB-R495609	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 495609							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R495609	Analysis Date: 09/06/2022	Seq No: 11576800							
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 1

Sample ID: MB-R495609-2	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 495609							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R495609	Analysis Date: 09/06/2022	Seq No: 11576811							
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 1

Sample ID: MB-R495609-3	Client ID:	Units: Colonies/100ml	Prep Date:	Run No: 495609							
SampleType: MBLK	TestCode: Fecal Coliform (MF) SM9222D	BatchID: R495609	Analysis Date: 09/06/2022	Seq No: 11576835							
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 1

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	

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 21, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2211G90

Analytical Environmental Services, Inc. received 3 samples on November 14, 2022 3:13 pm for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/22-06/30/23. State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/23 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

CHAIN OF CUSTODY

COMPANY: VHIB		ADDRESS:				ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers		
PHONE: 770-458-7943		EMAIL:				PRESERVATION (see codes)													
SAMPLED BY: Jayson Suttan		SIGNATURE: <i>Jayson Suttan</i>																	
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	REMARKS												
		DATE	TIME																
1	NC1	11/14	2:20	6		SW	O2-Na2S2O3										1		
2	MC	↓	2:40	↓		↓											x	2	
3	NC2	↓	3:00	↓		↓											x	2	
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION										RECEIPT	
1. <i>Jayson Suttan</i>		11/14/22 3:13		C. O. P.		11/14/22 5:13		PROJECT NAME: <i>Dunwoody</i>										Total # of Containers 3	
2.				2.				PROJECT #: <i>64110</i>										Turnaround Time (TAT) Request in Business Days <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush*(auth req.) *Surcharges apply for Rush TAT	
3.				3.				SITE ADDRESS:											
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD		OUT: / / VIA: IN: / / VIA: Client FedEx UPS US mail courier other: _____		SEND REPORT TO: <i>CREn@vhb.com</i>										REGULATORY PROGRAM (if any):	
								INVOICE TO (IF DIFFERENT FROM ABOVE):											
								QUOTE #:					PO#:						
Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. 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.														DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>					

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC1
Project Name: Dunwoody	Collection Date: 11/14/2022 2:20:00 PM
Lab ID: 2211G90-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Coliform,E-coli									
SM9223B									
E.coli	110		2	2	MPN/100mL	R501668	2	11/14/2022 15:33	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: MC
Project Name: Dunwoody	Collection Date: 11/14/2022 2:40:00 PM
Lab ID: 2211G90-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Coliform,E-coli									
SM9223B									
E.coli	180		2	2	MPN/100mL	R501668	2	11/14/2022 15:33	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC2
Project Name: Dunwoody	Collection Date: 11/14/2022 3:00:00 PM
Lab ID: 2211G90-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Coliform,E-coli									
SM9223B									
E.coli	370		2	2	MPN/100mL	R501668	2	11/14/2022 15:33	AA

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
- F Analyzed in the lab which is a deviation from the method

- 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

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2211G90

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 3.0 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
 14. 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). CP2 11/14/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). CD 11/14/22

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). CD 11/14/22

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2211G90

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2211G90-001A	NC1	11/14/2022 2:20:00PM	Surface Water	Total Coliform,E-coli			11/14/2022
2211G90-002A	MC	11/14/2022 2:40:00PM	Surface Water	Total Coliform,E-coli			11/14/2022
2211G90-003A	NC2	11/14/2022 3:00:00PM	Surface Water	Total Coliform,E-coli			11/14/2022

Client: Vanasse Hangen Brustlin, Inc
 Project Name: Dunwoody
 Workorder: 2211G90

ANALYTICAL QC SUMMARY REPORT

BatchID: R501668

Sample ID: MB-R501668	Client ID:	Units: MPN/100mL	Prep Date:	Run No: 501668
SampleType: MBLK	TestCode: Total Coliform,E-coli SM9223B	BatchID: R501668	Analysis Date: 11/14/2022	Seq No: 11750904

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
E.coli	BRL	1									

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		

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 28, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2211P87

Analytical Environmental Services, Inc. received 3 samples on November 22, 2022 10:45 am for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/22-06/30/23.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/23 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

CHAIN OF CUSTODY

COMPANY: VHB		ADDRESS:					ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers			
PHONE: 770-458-7943		EMAIL:					E-Cell PRESERVATION (see codes)															
SAMPLED BY: Jayson Sutton		SIGNATURE: <i>Jayson Sutton</i>																				
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)										REMARKS					
		DATE	TIME																			
1	MC1	11/22	9:35	G		SW	X														O=Na2S2O3	2
2	MC	↓	9:55	↓		↓	X															1
3	MC2	↓	10:20	↓		↓	X															1
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						

RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION				RECEIPT	
1. Jayson Sutton		11/22/22/10:45		1. [Signature]		11/22/22/10:45		PROJECT NAME: Panwoody 64110				Total # of Containers: 3	
2.				2.				PROJECT #: 64110				Turnaround Time (TAT) Request in Business Days	
3.				3.				SITE ADDRESS:				<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush*(auth req.)	
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD				SEND REPORT TO: CCREnv@vhb.com				*Surcharges apply for Rush TAT	
				OUT: / / VIA: IN: / / VIA: Client FedEx UPS US mail courier other: _____				INVOICE TO (IF DIFFERENT FROM ABOVE):				REGULATORY PROGRAM (if any):	
								QUOTE #: _____ PO#: _____				DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>	

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. 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.

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC1
Project Name: Dunwoody	Collection Date: 11/22/2022 9:35:00 AM
Lab ID: 2211P87-001	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Coliform,E-coli								
SM9223B								
E.coli	55	1		MPN/100mL	R502511	1	11/22/2022 11:03	TG

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
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: MC
Project Name: Dunwoody	Collection Date: 11/22/2022 9:55:00 AM
Lab ID: 2211P87-002	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Coliform,E-coli SM9223B								
E.coli	240	1		MPN/100mL	R502511	1	11/22/2022 11:03	TG

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
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client:	Vanasse Hangen Brustlin, Inc	Client Sample ID:	NC2
Project Name:	Dunwoody	Collection Date:	11/22/2022 10:20:00 AM
Lab ID:	2211P87-003	Matrix:	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Coliform,E-coli	SM9223B							
E.coli	1100	1		MPN/100mL	R502511	1	11/22/2022 11:03	TG

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
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2211P87

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 2.0 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
 14. 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). CP 11/22/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). CD 11/22/22

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). CD 11/22/22

Locked

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2211P87

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2211P87-001A	NC1	11/22/2022 9:35:00AM	Surface Water	Total Coliform,E-coli			11/22/2022
2211P87-002A	MC	11/22/2022 9:55:00AM	Surface Water	Total Coliform,E-coli			11/22/2022
2211P87-003A	NC2	11/22/2022 10:20:00AM	Surface Water	Total Coliform,E-coli			11/22/2022

Client: Vanasse Hangen Brustlin, Inc
 Project Name: Dunwoody
 Workorder: 2211P87

ANALYTICAL QC SUMMARY REPORT

BatchID: R502511

Sample ID: MB-R502511	Client ID:	Units: MPN/100mL	Prep Date:	Run No: 502511							
SampleType: MBLK	TestCode: Total Coliform,E-coli SM9223B	BatchID: R502511	Analysis Date: 11/22/2022	Seq No: 11776380							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

E.coli BRL 1

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		

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

December 06, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2212039

Analytical Environmental Services, Inc. received 3 samples on December 1, 2022 10:53 am for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/22-06/30/23.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/23 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

CHAIN OF CUSTODY

COMPANY: VHB		ADDRESS:				ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	Number of Containers						
PHONE: 770-458-7443		EMAIL:				F, Coli PRESERVATION (see codes)																	
SAMPLED BY: Jayson Sutton		SIGNATURE: <i>Jayson Sutton</i>																					
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	REMARKS																
		DATE	TIME																				
1	NC1	12/1	9:45	G		SW	X															O=New S2O-3	1
2	MC	↓	10:05	↓		↓	X																1
3	NC2	↓	10:30	↓		↓	X																1
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:	PROJECT INFORMATION		RECEIPT
1. <i>Jayson Sutton</i>	<i>12/7/22/16:53</i>	1. <i>OC O?</i>	<i>12/22/1053</i>	PROJECT NAME:	<i>Dunwoody</i>	Total # of Containers
2.		2.		PROJECT #:	<i>69110</i>	Turnaround Time (TAT) Request in Business Days <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____ <input type="checkbox"/> Same-Day Rush* (auth req.) *Surcharges apply for Rush TAT
3.		3.		SITE ADDRESS:		
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		SEND REPORT TO:	<i>CCREnv@vhb.com</i>	REGULATORY PROGRAM (if any):
		OUT: / / VIA: IN: / / VIA: Client FedEx UPS US mail courier other: _____		INVOICE TO (IF DIFFERENT FROM ABOVE):		
				QUOTE #:		DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC1
Project Name: Dunwoody	Collection Date: 12/1/2022 9:45:00 AM
Lab ID: 2212039-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Coliform,E-coli									
SM9223B									
E.coli	3500		2	2	MPN/100mL	R502925	2	12/01/2022 12:00	TN

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: MC
Project Name: Dunwoody	Collection Date: 12/1/2022 10:05:00 AM
Lab ID: 2212039-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Coliform,E-coli									
SM9223B									
E.coli	150		2	2	MPN/100mL	R502925	2	12/01/2022 12:00	TN

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: NC2
Project Name: Dunwoody	Collection Date: 12/1/2022 10:30:00 AM
Lab ID: 2212039-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Coliform,E-coli									
SM9223B									
E.coli	1600		2	2	MPN/100mL	R502925	2	12/01/2022 12:00	TN

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
- F Analyzed in the lab which is a deviation from the method

- 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

SAMPLE/COOLER RECEIPT CHECKLIST

Clear

Save as

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2212039

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 2.1 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. 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). CP 12/01/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). CD 12/02/22

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). CD 12/02/22

Locked

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2212039

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2212039-001A	NC1	12/1/2022 9:45:00AM	Surface Water	Total Coliform,E-coli			12/01/2022
2212039-002A	MC	12/1/2022 10:05:00AM	Surface Water	Total Coliform,E-coli			12/01/2022
2212039-003A	NC2	12/1/2022 10:30:00AM	Surface Water	Total Coliform,E-coli			12/01/2022

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2212039

ANALYTICAL QC SUMMARY REPORT

BatchID: R502925

Sample ID: MB-R502925	Client ID:	Units: MPN/100mL	Prep Date:	Run No: 502925							
SampleType: MBLK	TestCode: Total Coliform,E-coli SM9223B	BatchID: R502925	Analysis Date: 12/01/2022	Seq No: 11787156							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

E.coli	BRL	1									
--------	-----	---	--	--	--	--	--	--	--	--	--

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		

End of Report



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

December 12, 2022

Chris Crow
Vanasse Hangen Brustlin, Inc
3772 Pleasantdale Rd
Atlanta GA 30360

RE: Dunwoody

Dear Chris Crow:

Order No: 2212663

Analytical Environmental Services, Inc. received 3 samples on December 7, 2022 11:27 am for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

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 07/01/22-06/30/23.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/23 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.

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

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

Sincerely,

Corene Dephillips
Project Manager

COMPANY: VHB		ADDRESS:				ANALYSIS REQUESTED										Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AES Access account.		Number of Containers				
PHONE: 770-458-7943		EMAIL:				PRESERVATION (see codes)																
SAMPLED BY: Jayson Sutton		SIGNATURE: <i>Jayson Sutton</i>														REMARKS						
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)																
		DATE	TIME																			
1	Site NC1	12/7	10:20	G		SW															O = Na ₂ S ₂ O ₃	2
2	↓ MC	↓	10:40	↓		↓																2
3	↓ NC2	↓	11:10	↓		↓																1
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						

RELINQUISHED BY: Jayson Sutton		DATE/TIME: 12/7/22 / 11:27		RECEIVED BY: <i>OC AP</i>		DATE/TIME: 12/07/22 / 11:27		PROJECT INFORMATION				RECEIPT	
1.		2.		3.		PROJECT NAME: Dunwoody		PROJECT #: 64110				Total # of Containers 3	
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		OUT: / /		VIA:		SITE ADDRESS:				Turnaround Time (TAT) Request in Business Days	
		IN: <i>Client</i>		FedEx		UPS		SEND REPORT TO: CCREnv@vhb.com				<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush*	
		US mail		courier		INVOICE TO (IF DIFFERENT FROM ABOVE):				<input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush*			
		other: _____		QUOTE #: _____				PO#: _____				<input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____	
										<input type="checkbox"/> Same-Day Rush* (auth req.)			
										*Surcharges apply for Rush TAT			
										REGULATORY PROGRAM (if any):			
										DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>			

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. 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.

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: SITE NC1
Project Name: Dunwoody	Collection Date: 12/7/2022 10:20:00 AM
Lab ID: 2212663-001	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Coliform,E-coli									
SM9223B									
E.coli	980		2	2	MPN/100mL	R503339	2	12/07/2022 13:40	TN

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: SITE MC
Project Name: Dunwoody	Collection Date: 12/7/2022 10:40:00 AM
Lab ID: 2212663-002	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Coliform,E-coli									
SM9223B									
E.coli	180		2	2	MPN/100mL	R503339	2	12/07/2022 13:40	TN

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
- F Analyzed in the lab which is a deviation from the method

- 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

Client: Vanasse Hangen Brustlin, Inc	Client Sample ID: SITE NC2
Project Name: Dunwoody	Collection Date: 12/7/2022 11:10:00 AM
Lab ID: 2212663-003	Matrix: Surface Water

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
Total Coliform,E-coli									
SM9223B									
E.coli	1300		2	2	MPN/100mL	R503339	2	12/07/2022 13:40	TN

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
- F Analyzed in the lab which is a deviation from the method

- 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

SAMPLE/COOLER RECEIPT CHECKLIST

Clear

Save as

1. Client Name: Vanasse Hangen Brustlin, Inc

AES Work Order Number: 2212663

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 2.9 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. 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). CP 12/07/22

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		
26. Were trip blanks submitted?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials). AS 12/7/22

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). AS 12/7/22

Locked

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Lab Order: 2212663

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2212663-001A	SITE NC1	12/7/2022 10:20:00AM	Surface Water	Total Coliform,E-coli			12/07/2022
2212663-002A	SITE MC	12/7/2022 10:40:00AM	Surface Water	Total Coliform,E-coli			12/07/2022
2212663-003A	SITE NC2	12/7/2022 11:10:00AM	Surface Water	Total Coliform,E-coli			12/07/2022

Client: Vanasse Hangen Brustlin, Inc
Project Name: Dunwoody
Workorder: 2212663

ANALYTICAL QC SUMMARY REPORT

BatchID: R503339

Sample ID: MB-R503339	Client ID:	Units: MPN/100mL	Prep Date:	Run No: 503339
SampleType: MBLK	TestCode: Total Coliform,E-coli SM9223B	BatchID: R503339	Analysis Date: 12/07/2022	Seq No: 11799222

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
E.coli	BRL	1									

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		

End of Report