

ENVIRONMENTAL PROTECTION DIVISION

May 4, 2023

Richard E. Dunn, Director

EPD Director's Office

2 Martin Luther King, Jr. Drive Suite 1456, East Tower Atlanta, Georgia 30334 404-656-4713

MEMORANDUM

To: James Boylan, Air Branch Chief

Through: DeAnna Oser, Assistant Branch Chief

From: Jaime Gore, Operations 1 Unit Manager

RE: Cobb – September 2 – September 26, 2022, Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of September 2 – September 26, 2022, by the Ambient Monitoring Program in the Cobb area to characterize the EtO concentration. Each of the samples were sent to the Georgia Environmental Protection Division Laboratory (EPD) for analysis. The Qualifier code of "2" was given to samples to indicate that the collection deviated from established procedures, but the integrity of the sample was not compromised. The Qualifier code of "3" was given to samples to indicate that integrity of the field data may have been compromised. The Qualifier code of "SQ" indicates the analysis of the sample was above the method detection limit but below the practical quantification limit.

Location	Date	Qualifier	EtO Concentration (µg/m³)
S2	09/02/2022	3	0.15
S2	09/14/2022	3	0.14
S2	09/26/2022	SQ, 2, 3	0.12
S2 QA	09/02/2022	3	0.24
S6 SA	09/14/2022	SQ	0.12
S7 SA	09/14/2022		0.13

If you have any questions, please let me know.

JCG

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected:	9/2/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	KL
0 1 10 1100740	Date Received:	9/20/2022
Sample ID: AL08742 Facility Name: COVINGTON C2	Time Received:	1:24 PM
Site ID: C2	Project:	DATA STUDY
Location ID:	Reporting Date:	12/22/2022
Location Descr:	Received Temperature:	18.4 °C

ANALYTE	PARAMETER EPA CODE NOTE METHOD		RESULT	QUALIFIE RESULT UNITS				ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19913	4								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.6862	ppbV			KL	9/22/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0718	ppbV	SQ	0.0232	KL	9/22/2022		
ETO Results by EPA Method TO-	·15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	69.2855	ug/m3			KL	9/22/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1294	ug/m3	SQ	0.0418	KL	9/22/2022		

COMMENTS: \$ETO received in the lab at 6 in Hg.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter

<: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL08742 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

Date Collected: 9/2/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: KL Date Received: 9/20/2022 Sample ID: AL08743 Time Received: 1:24 PM Facility Name: FULTON F2-QA Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 12/22/2022 Received Temperature: 19.9 Location Descr:

	PARAMET			QUA		ANALYSIS	MCL or		
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL A	ANALYS	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC B	Batch 1991	34							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.6495	ppbV		KL	9/22/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1265	ppbV	0.0232	KL	9/22/2022		
ETO Results by EPA Method TO-	-15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	69.023	ug/m3		KL	9/22/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.228	ug/m3	0.0418	KL	9/22/2022		

COMMENTS: \$ETO received in the lab at 5.5 in Hg.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter <: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL08743 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

Date Collected: 9/2/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: KL Date Received: 9/20/2022 Sample ID: AL08744 Time Received: 1:26 PM Facility Name: COBB S2-QA Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 12/22/2022 Received Temperature: 20.6 Location Descr:

I	PARAMETE CODE	R EPA NOTE METHOD	DESIII T		QUALIFIER UNITS RL		ANALYSIS ST DATE	MCL or QC Range		
ANALITE	OODL	NOTE INCITIOD	RESULT	UNITS	NL A	AINAL I	31 DAIL	QC No	arige	
ETO by EPA Method TO-15 QC B	atch 199134	4								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.6861	ppbV		KL	9/22/2022	8 to	12	
Ethylene Oxide		EPA TO-15	0.1317	ppbV	0.0232	KL	9/22/2022			
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	69.2848	ug/m3		KL	9/22/2022	57.22 to	85.84	
Ethylene Oxide		EPA TO-15	0.2374	ug/m3	0.0418	KL	9/22/2022			

COMMENTS: \$ETO received in the lab at 4 in Hg.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter <: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL08744 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

Date Collected: 9/2/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: KL Date Received: 9/20/2022 Sample ID: AL08745 Time Received: 1:26 PM Facility Name: FULTON F2 Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 12/22/2022 Received Temperature: 18.1 Location Descr:

I	PARAMETER CODE N	R EPA NOTE METHOD	PESIII T	QUALIFIER RESULT UNITS			ANALYSIS ST DATE			
ANALITE	0002	1016 1111111111111111111111111111111111	KESOLI	UNITS	RL A	NAL I	31 DALL	QUA	arige	
ETO by EPA Method TO-15 QC B	atch 199134	ļ								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.6236	ppbV		KL	9/22/2022	8 to	12	
Ethylene Oxide		EPA TO-15	0.1199	ppbV	0.0232	KL	9/22/2022			
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	68.8377	ug/m3		KL	9/22/2022	57.22 to	85.84	
Ethylene Oxide		EPA TO-15	0.2161	ug/m3	0.0418	KL	9/22/2022			

COMMENTS: \$ETO received in the lab at 6 in Hg.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter <: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL08745 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

Date Collected: 9/2/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: KL Date Received: 9/20/2022 Sample ID: AL08747 Time Received: 1:26 PM Facility Name: COVINGTON C2- QA Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 12/22/2022 Received Temperature: 17.9 Location Descr:

ANALYTE	PARAMETE CODE	R EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL A	ANAI Y	ANALYSIS ST DATE	MCL QC Ra	
ANALITE		1101E=1110E	REGOLI	014113		\\\\ <u>\</u>	<u> </u>	9071	ango
ETO by EPA Method TO-15 QC B	atch 19913	4							
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	9.7147	ppbV		KL	9/22/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0792	ppbV	0.0232	KL	9/22/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	69.4894	ug/m3		KL	9/22/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1428	ug/m3	0.0418	KL	9/22/2022		

COMMENTS: \$ETO received in the lab at 7 in Hg.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter <: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL08747 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected: Time Collected:	9/2/2022 0:00
TO: Ga EPD Air Program	Sample Collector:	J. BRYANT
EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	KL
0 10 10 10 10	Date Received:	9/20/2022
Sample ID: AL08748 Facility Name: COBB S2	Time Received:	1:26 PM
Site ID: S2	Project:	DATA STUDY
Location ID: Location Descr:	Reporting Date: Received Temperature:	12/22/2022 20.0 °C

ANALYTE	PARAMETE CODE	ER EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL A	NALY:	ANALYSIS ST DATE	MCL QC Ra	
			KEGGET	ONTO	, ne		51	9071	ango
ETO by EPA Method TO-15 QC B	atch 19913	34							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.9617	ppbV		KL	9/22/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0856	ppbV	0.0232	KL	9/22/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	71.2562	ug/m3		KL	9/22/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1543	ug/m3	0.0418	KL	9/22/2022		

COMMENTS: \$ETO received in the lab at 4 in Hg.

ug/L: micrograms/liter mg/L: milligrams/kilogram ug/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter

<: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL08748 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

Date Collected: 9/2/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 110325 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 8/22/2022 Atlanta, GA 30354 Received By: KL Date Received: 9/7/2022 Sample ID: AL10703 Time Received: 10:59 AM Facility Name: SOUTH DEKALB QA Project: AIR Site ID: 013-089-0002 Location ID: QCCAN Reporting Date: 12/22/2022 Location Descr: Received Temperature: 23.5

F ANALYTE	PARAMETER CODE NO	EPA TE METHOD	RESULT	QI UNITS	JALIFIE			ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC Ba	atch 198653									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.0897	ppbV			KL	9/7/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0672	ppbV	SQ	0.0232	KL	9/7/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	65.0187	ug/m3			KL	9/7/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1211	ug/m3	SQ	0.0418	KL	9/7/2022		
ETO NATTS QA Replicate Precisi	on									
Ethylene Oxide		EPA TO-15	0.741	%RPD			KL	9/7/2022		25
ETO QA Replicate Result										
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.1655	ppbV			KL	9/7/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0677	Vdqq	SQ	0.0232	KL	9/7/2022		

COMMENTS: \$ETO received in the lab at 4.6 psi.

ug/L: micrograms/liter <: less than **Laboratory Contacts:** mg/L: milligrams/liter MCL: Maximum Contaminant Level Lab Director: Mark Tolbert 470-524-0577 mg/kg: milligrams/kilogram RL: Reporting Limit Inorganics: Carmen Pyles 470-524-0629 ug/kg: micrograms/kilogram LSPC: result less than lower specification Metals: Shene Jones 470-524-0544 ug/g: micrograms/gram USPC: result greater than upper specification Organics: Mary Bowman 470-524-0639 ppm: parts per million TIE: Tentatively Identified or Estimated GC Mass Spec: Ralph Schulz 470-524-0684 ppb: parts per billion VIOL: Violation (result exceeds MCL) org/L: organisms/liter Microbiology: Mary Bowman 470-524-0709

Sample ID: AL10703 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected: Time Collected:	9/14/2022 0:00
TO: Co EDD Air Drawers	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	KL
Comple ID: Al 40740	Date Received:	9/29/2022
Sample ID: AL10719 Facility Name: COVINGTON C3-SA	Time Received:	11:36 AM
Site ID: C3-SA	Project:	
Location ID: Location Descr:	Reporting Date: Received Temperature:	12/22/2022 23.9 °C

	PARAMET	ER EPA	QUA		ANALYSIS	MCL or			
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL A	NALY	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC E	Batch 1993	40							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.7797	ppbV		KL	9/30/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0815	ppbV	0.0232	KL	9/30/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	69.9543	ug/m3		KL	9/30/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1469	ug/m3	0.0418	KL	9/30/2022		

COMMENTS: \$ETO received in the lab at 7 in Hg.

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
ora/l · organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
L SPC: result less than lower specific

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

u	Joratory Contacts.									
	Lab Director:	Mark Tolbert	470-524-0577							
	Inorganics:	Carmen Pyles	470-524-0629							
	Metals:	Shene Jones	470-524-0544							
	Organics:	Mary Bowman	470-524-0639							
	GC Mass Spec:	Ralph Schulz	470-524-0684							
	Microbiology:	Mary Bowman	470-524-0709							

Sample ID: AL10719 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected:	9/14/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	KL
0 1 10 1140700	Date Received:	9/29/2022
Sample ID: AL10720 Facility Name: COBB S6-SA	Time Received:	11:35 AM
Site ID: S6-SA	Project:	
Location ID:	Reporting Date:	12/22/2022
Location Descr:	Received Temperature:	19.9 °C

	ER EPA		QUALIFIER				ANALYSIS	MCL or		
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC E	Batch 1993	40								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.1284	ppbV			KL	9/30/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0685	ppbV	SQ	0.0232	KL	9/30/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	72.4486	ug/m3			KL	9/30/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1235	ug/m3	SQ	0.0418	KL	9/30/2022		

COMMENTS: \$ETO received in the lab at 4 in Hg.

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
ora/L: organisms/litor

<: less than MCL: Maximum Contaminant Level RL: Reporting Limit LSPC: result less than lower specification

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) Laboratory Contacts:

oblatory Contacts.									
Lab Director:	Mark Tolbert	470-524-0577							
Inorganics:	Carmen Pyles	470-524-0629							
Metals:	Shene Jones	470-524-0544							
Organics:	Mary Bowman	470-524-0639							
GC Mass Spec:	Ralph Schulz	470-524-0684							
Microbiology:	Mary Bowman	470-524-0709							

Sample ID: AL10720 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected:	9/14/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	KL
0 1 10 1140704	Date Received:	9/29/2022
Sample ID: AL10721 Facility Name: COVINGTON C2	Time Received:	11:36 AM
Site ID: C2	Project:	
Location ID:	Reporting Date:	12/22/2022
Location Descr:	Received Temperature:	23.5 °C

PARAMETER EPA ANALYTE CODE NOTE METHOD RESULT				QUALIFIER			-	ANALYSIS		
ANALYTE	CODE	NOIE METHOD	RESULI	UNITS		RL	ANALYS'	DAIE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 1993	40								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.9467	ppbV			KL	9/30/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0571	ppbV	SQ	0.0232	2 KL	9/30/2022		
ETO Results by EPA Method TO-	·15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	71.1489	ug/m3			KL	9/30/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1029	ug/m3	SQ	0.0418	3 KL	9/30/2022		

COMMENTS: \$ETO received in the lab at 4 in Hg.

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
ora/L: organisms/litor

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) Laboratory Contacts:

DU	boratory Contacts.									
L	ab Director:	Mark Tolbert	470-524-0577							
Ir	norganics:	Carmen Pyles	470-524-0629							
N	/letals:	Shene Jones	470-524-0544							
C	Organics:	Mary Bowman	470-524-0639							
G	GC Mass Spec:	Ralph Schulz	470-524-0684							
N	/licrobiology:	Mary Bowman	470-524-0709							

Sample ID: AL10721 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected: Time Collected:	9/8/2022 0:00
TO: Ga EPD Air Program	Sample Collector: Canister Number:	H. STREET 114385
EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Canister Cleaned: Received By:	8/22/2022 KL
	Date Received:	9/12/2022
Sample ID: AL10722 Facility Name: SOUTH DEKALB	Time Received:	10:04 AM
Site ID: 013-089-0002	Project:	AIR
Location ID: Location Descr:	Reporting Date: Received Temperature:	12/22/2022 20.5 °C

ANALYTE	PARAMETE CODE	ER EPA NOTE METHOD	RESULT	QI UNITS	UALIFIE		ANALYS	ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19888	35								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.3855	ppbV			KL	9/14/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0567	ppbV	SQ	0.0232	KL	9/14/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	67.1346	ug/m3			KL	9/14/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1022	ug/m3	SQ	0.0418	KL	9/14/2022		

COMMENTS: \$ETO received in the lab at 5.8 psi.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter

<: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL10722 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

Date Collected: 9/2/2022 Time Collected: 0:00 Sample Collector: C. KNOX TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: KL Date Received: 9/12/2022 Sample ID: AL10723 Time Received: 1:30 PM Facility Name: GENERAL COFFEE Project: **DATA STUDY** Site ID: 013-069-0002 Location ID: Reporting Date: 12/22/2022 Received Temperature: 20.5 Location Descr:

	PARAMET	ER EPA		Q	UALIFIE	R		ANALYSIS	MCL	or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	T DATE	QC R	ange
ETO by EPA Method TO-15 QC E	Batch 1988	85								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.1325	ppbV			KL	9/14/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0370	ppbV	SQ 2	0.0232	2 KL	9/14/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	65.3249	ug/m3			KL	9/14/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0667	ug/m3	SQ 2	0.0418	3 KL	9/14/2022		

COMMENTS: \$ETO received in the lab at 20.2 psi. Pressure difference of >0.5 psi between receipt from field and receipt in lab.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter <: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL10723 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected:	9/14/2022
	Time Collected:	0:00
TO: Co EDD Air Program	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	KL
0 1 10 1140704	Date Received:	9/29/2022
Sample ID: AL10724 Facility Name: COBB S2	Time Received:	11:35 AM
Site ID: S2	Project:	
Location ID:	Reporting Date:	12/22/2022
Location Descr:	Received Temperature:	21.6 °C

	PARAMET			QUA	LIFIER		ANALYSIS	MCL	. or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL /	ANALY	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC E	Batch 1993	40							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.8618	ppbV		KL	9/30/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0759	ppbV	0.0232	KL	9/30/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	70.5416	ug/m3		KL	9/30/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1368	ug/m3	0.0418	KL	9/30/2022		

COMMENTS: \$ETO received in the lab at 5 in Hg.

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
org/L: organisms/liter

<: less than MCL: Maximum Contaminant Level RL: Reporting Limit LSPC: result less than lower specifica

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) Laboratory Contacts:

U	boratory Contacts.									
	Lab Director:	Mark Tolbert	470-524-0577							
	Inorganics:	Carmen Pyles	470-524-0629							
	Metals:	Shene Jones	470-524-0544							
	Organics:	Mary Bowman	470-524-0639							
	GC Mass Spec:	Ralph Schulz	470-524-0684							
	Microbiology:	Mary Bowman	470-524-0709							

Sample ID: AL10724 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected:	9/14/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	KL
0 1 10 1140705	Date Received:	9/29/2022
Sample ID: AL10725 Facility Name: COBB S7-SA	Time Received:	11:35 AM
Site ID: S7-SA	Project:	
Location ID:	Reporting Date:	12/22/2022
Location Descr:	Received Temperature:	24.5 °C

	PARAMET	ER EPA		QUA	LIFIER		ANALYSIS	MCL	or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL A	ANALY	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC E	Batch 1993	40							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.0628	ppbV		KL	9/30/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0740	ppbV	0.0232	KL	9/30/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	71.9793	ug/m3		KL	9/30/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1334	ug/m3	0.0418	KL	9/30/2022		

COMMENTS: \$ETO received in the lab at 5 in Hg.

Sample ID: AL10725 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected:	9/2/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	H. STREET
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Canister Number:	114337
4244 International Pkwy Ste 120	Canister Cleaned:	8/22/2022
Atlanta, GA 30354	Received By:	KL
0 1 10 1140700	Date Received:	9/7/2022
Sample ID: AL10726 Facility Name: SOUTH DEKALB	Time Received:	10:59 AM
Site ID: 013-089-0002	Project:	AIR
Location ID: QCCAN	Reporting Date:	12/22/2022
Location Descr:	Received Temperature:	24.5 °C

ANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	RESULT	QI UNITS	JALIFIE		A ANALYST	NALYSIS DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC E	atch 19865	53								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.2729	ppbV			KL	9/7/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0552	ppbV	SQ	0.0232	2 KL	9/7/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	66.3292	ug/m3			KL	9/7/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0995	ug/m3	SQ	0.0418	8 KL	9/7/2022		

COMMENTS: \$ETO received in the lab at 5 psi.

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
ora/L: organisms/litor

<: less than MCL: Maximum Contaminant Level RL: Reporting Limit LSPC: result less than lower specification

USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL10726 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected:	9/14/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	KL
0 1 10 1140707	Date Received:	9/29/2022
Sample ID: AL10727 Facility Name: FULTON F2	Time Received:	11:36 AM
Site ID: F2	Project:	
Location ID:	Reporting Date:	12/22/2022
Location Descr:	Received Temperature:	21.3 °C

	PARAMET			QUA	LIFIER		ANALYSIS	MCL	. or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL .	ANALYS	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 1993	40							
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	9.8128	ppbV		KL	9/30/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0898	ppbV	0.0232	KL	9/30/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	70.1911	ug/m3		KL	9/30/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1619	ug/m3	0.0418	KL	9/30/2022		

COMMENTS: \$ETO received in the lab at 7 in Hg.

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
ora/l · organisms/liter

<: less than MCL: Maximum Contaminant Level RL: Reporting Limit LSPC: result less than lower specific

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL10727 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected: Time Collected:	9/14/2022 0:00
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Sample Collector: Chlorination: Sample Type:	J. BRYANT
Sample ID: AL10728	Received By: Date Received:	KL 9/29/2022 11:36 AM
Facility Name: FULTON F1-SA Site ID: F1-SA Location ID:	Time Received: Project:	
Location Descr:	Reporting Date: Received Temperature:	12/22/2022 19.0 °C

	PARAMET			QUA	LIFIER		ANALYSIS	MCL	or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL A	ANALY	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 1993	40							
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	9.8713	ppbV		KL	9/30/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1158	ppbV	0.0232	KL	9/30/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	70.6095	ug/m3		KL	9/30/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2087	ug/m3	0.0418	KL	9/30/2022		

COMMENTS: \$ETO received in the lab at 3 in Hg.

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
ora/l · organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director:	Mark Tolbert	470-524-0577
Inorganics:	Carmen Pyles	470-524-0629
Metals:	Shene Jones	470-524-0544
Organics:	Mary Bowman	470-524-0639
GC Mass Spec:	Ralph Schulz	470-524-0684
Microbiology:	Mary Bowman	470-524-0709

Sample ID: AL10728 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

Date Collected: 9/14/2022 Time Collected: 0:00 Sample Collector: C. KNOX TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: KL Date Received: 9/26/2022 Sample ID: AL10729 Time Received: 10:55 AM Facility Name: GENERAL COFFEE Project: **DATA STUDY** Site ID: 013-069-0002 Location ID: Reporting Date: 12/22/2022 Received Temperature: 23.5 Location Descr:

	PARAMETER EPA			Q	QUALIFIER			ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS RL AI		ANALYST DATE		QC Range		
ETO by EPA Method TO-15 QC I	Batch 1993	16								
Bromofluorobenzene(Surrogate QC St	:d.)	EPA TO-15	9.6803	ppbV			KL	9/29/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0415	ppbV	SQ 2	0.0232	2 KL	9/29/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	:d.)	EPA TO-15	69.2433	ug/m3			KL	9/29/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0748	ug/m3	SQ 2	0.0418	3 KL	9/29/2022		

COMMENTS: \$ETO received in the lab at 21.2 psi. Pressure difference of >0.5 psi between receipt from field and receipt in lab.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter <: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated
VIOL: Violation (result exceeds MCL)

Laboratory Contacts:

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL10729 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

Date Collected: 9/21/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114394 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 8/22/2022 Atlanta, GA 30354 Received By: KL Date Received: 9/22/2022 Sample ID: AL10732 Time Received: 2:40 PM Facility Name: S. DEKALB Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 12/22/2022 Received Temperature: 23.1 Location Descr:

•	PARAMETER EPA	_	QUA	LIFIER		ANALYSIS	MCL	
ANALYTE	CODE NOTE METHO	D RESULT	UNITS	UNITS RL A		ANALYST DATE		ange
ETO by EPA Method TO-15								
Bromofluorobenzene(Surrogate QC Std.	.) EPA TO-15	AL	ppbV		KL	9/23/2022	8 to	12
Ethylene Oxide	EPA TO-15	AL	ppbV	0.0232	KL	9/23/2022		
ETO Results by EPA Method TO-1	15							
Bromofluorobenzene(Surrogate QC Std.	.) EPA TO-15	AL	ug/m3		KL	9/23/2022	57.22 to	85.84
Ethylene Oxide	EPA TO-15	AL	ug/m3		KL	9/23/2022		

COMMENTS: \$ETO received in the lab at 5.2 psi. VOID; ATEC time incorrect.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter <: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL10732 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

Date Collected: 9/14/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 110309 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 8/22/2022 Atlanta, GA 30354 Received By: KL Date Received: 9/16/2022 Sample ID: AL10733 10:37 AM Time Received: Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 12/22/2022 Received Temperature: 21.6 Location Descr:

ANALYTE	PARAMETER EPA QUAI CODE NOTE METHOD RESULT UNITS		UALIFIE			ANALYSIS T DATE	MCL QC R			
ETO by EPA Method TO-15 QC B	atch 19905	55								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.3742	ppbV			KL	9/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0709	ppbV	SQ	0.0232	KL	9/20/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	67.0538	ug/m3			KL	9/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1278	ug/m3	SQ	0.0418	KL	9/20/2022		

COMMENTS: \$ETO received in the lab at 5.6 psi.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter <: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL10733 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected: Time Collected:	9/21/2022 0:00
TO: Ga EPD Air Program	Sample Collector:	J. BRYANT
EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Chlorination: Sample Type: Received By:	Trip Blank HZ
	Date Received:	10/18/2022
Sample ID: AL12748 Facility Name: COBB S2 FB	Time Received:	1:06 PM
Site ID: S2	Project:	DATA STUDY
Location ID: QCCAN Location Descr:	Reporting Date: Received Temperature:	12/22/2022 22.9 °C

1	PARAMETE	ER EPA	QUALIFIER				ANALYSIS		or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL /	ANALY	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 19974	11								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	10.1267	ppbV			KL	10/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	10/20/2022		
ETO Results by EPA Method TO-	·15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	72.4364	ug/m3			KL	10/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	10/20/2022		

COMMENTS: \$ETO received in the lab at 29 in Hg.

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
ora/L: organisms/litor

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) Laboratory Contacts:

DU	boratory Contacts.										
L	ab Director:	Mark Tolbert	470-524-0577								
Ir	norganics:	Carmen Pyles	470-524-0629								
N	/letals:	Shene Jones	470-524-0544								
C	Organics:	Mary Bowman	470-524-0639								
G	GC Mass Spec:	Ralph Schulz	470-524-0684								
N	/licrobiology:	Mary Bowman	470-524-0709								

Sample ID: AL12748 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

Date Collected: 9/20/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Trip Blank Atlanta, GA 30354 Received By: HΖ Date Received: 10/18/2022 Sample ID: AL12749 Time Received: 1:06 PM Facility Name: COVINGTON C2 FB Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 12/22/2022 Received Temperature: 20.1 Location Descr:

ı	PARAMETER EPA			QUALIFIER				ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS R		RL /	ANALY	QC Range		
ETO by EPA Method TO-15 QC B	atch 1997	41								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	10.2181	ppbV			KL	10/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	10/20/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	73.0902	ug/m3			KL	10/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ua/m3	ND	0.0418	KL	10/20/2022		

COMMENTS: \$ETO received in the lab at 29 in Hg.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter <: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL12749 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

Date Collected: 9/26/2022 Time Collected: 0:00 Sample Collector: C. KNOX TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 9/29/2022 Sample ID: AL12750 Time Received: 10:16 AM Facility Name: GENERAL COFFEE Project: **DATA STUDY** Site ID: 013-069-0002 Location ID: Reporting Date: 12/22/2022 Received Temperature: 20.9 Location Descr:

PARAMETER EPA				QUALIFIER			A	NALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 1993 [.]	16								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	10.2716	ppbV			KL	9/29/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.050	ppbV	SQ 2	0.0232	2 KL	9/29/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	73.4729	ug/m3			KL	9/29/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0901	ug/m3	SQ 2	0.0418	3 KL	9/29/2022		

COMMENTS: \$ETO received in the lab at 20.4 psi. Pressure difference of >0.5 psi between receipt from field and receipt in lab.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter <: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL12750 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected:	9/28/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	H. STREET
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	HZ
0 1 10 1140754	Date Received:	9/29/2022
Sample ID: AL12751 Facility Name: SOUTH DEKALB	Time Received:	11:36 AM
Site ID: 013-089-0002	Project:	
Location ID:	Reporting Date:	12/22/2022
Location Descr:	Received Temperature:	22.4 °C

	PARAMETER EPA			QUALIFIER				ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC E	Batch 1993	40								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.0138	ppbV			KL	9/30/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0357	ppbV	SQ	0.0232	KL	9/30/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	71.6288	ug/m3			KL	9/30/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0644	ug/m3	SQ	0.0418	KL	9/30/2022		

COMMENTS: \$ETO received in the lab at 6.4 psi. This is an ETO makeup sample for 9-20-2022.

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
ora/l · organisms/liter

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL12751 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected: Time Collected:	9/26/2022 0:00
TO: Co EDD Air Drown	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	HZ
Comple ID: AL40750	Date Received:	10/18/2022
Sample ID: AL12752 Facility Name: COVINGTON C2	Time Received:	1:06 PM
Site ID: C2	Project:	DATA STUDY
Location ID: Location Descr:	Reporting Date: Received Temperature:	12/22/2022 21.5 °C

F	PARAMETER EPA			QUA		ANALYSIS	MCL or		
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS RL /		NALY	ST DATE	QC Range	
ETO by EPA Method TO-15 QC B	atch 19974	41							
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	10.0482	ppbV		KL	10/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0867	ppbV	0.0232	KL	10/20/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	71.8749	ug/m3		KL	10/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1563	ug/m3	0.0418	KL	10/20/2022		

COMMENTS: \$ETO received in the lab at 6 in Hg.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter

<: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL12752 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected: Time Collected:	9/21/2022 0:00
TO: Ga EPD Air Program	Sample Collector:	J. BRYANT
EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	Trip Blank
Atlanta, GA 30354	Received By:	HZ
0 1 10 11 10 11	Date Received:	10/18/2022
Sample ID: AL12753 Facility Name: FULTON F2 FB	Time Received:	1:06 PM
Site ID: F2	Project:	DATA STUDY
Location ID: Location Descr:	Reporting Date: Received Temperature:	12/22/2022 19.6 °C

ANALYTE	PARAMETEI CODE	R EPA NOTE METHOD	RESULT	QI UNITS	JALIFIE		ANALY	ANALYSIS ST DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	Batch 199741	I								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	10.2885	ppbV			KL	10/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	10/20/2022		
ETO Results by EPA Method TO-	-15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	73.5938	ug/m3			KL	10/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	10/20/2022		

COMMENTS: \$ETO received in the lab at 29 in Hg.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter

<: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL12753 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected:	9/26/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	HZ
0 1 10 1140754	Date Received:	10/18/2022
Sample ID: AL12754 Facility Name: FULTON F2	Time Received:	1:06 PM
Site ID: F2	Project:	DATA STUDY
Location ID:	Reporting Date:	12/22/2022
Location Descr:	Received Temperature:	21.7 °C

F	PARAMETER EPA			QUALIFIER				ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	METHOD RESULT		UNITS RL		ANALY	ST DATE	QC Range	
ETO by EPA Method TO-15 QC B	atch 1997	41								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.9829	ppbV			KL	10/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0705	ppbV	SQ	0.0232	KL	10/20/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	71.4078	ug/m3			KL	10/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1271	ug/m3	SQ	0.0418	KL	10/20/2022		

COMMENTS: \$ETO received in the lab at 6 in Hg.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter

<: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL12754 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

	Date Collected:	9/26/2022 0:00		
TO: Ga EPD Air Program	Time Collected: Sample Collector:	J. BRYANT		
EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:			
4244 International Pkwy Ste 120	Sample Type:			
Atlanta, GA 30354	Received By:	HZ		
Comple ID: Al 12756	Date Received:	10/18/2022		
Sample ID: AL12756 Facility Name: COBB S2	Time Received:	1:06 PM		
Site ID: S2	Project:	DATA STUDY		
Location ID: QCCAN	Reporting Date:	12/22/2022		
Location Descr:	Received Temperature:	20.7 °C		

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QI UNITS	UALIFIE		ANALY	ANALYSIS ST DATE	MCL QC R	
ETO by EPA Method TO-15 QC E	Batch 19974	41								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.9350	ppbV			KL	10/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0662	ppbV	SQ	0.0232	. KL	10/20/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	71.0652	ug/m3			KL	10/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1193	ug/m3	SQ	0.0418	KL.	10/20/2022		

COMMENTS: \$ETO received in the lab at 6.5 in Hg.

ug/L: micrograms/liter mg/L: milligrams/kilogram ug/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter

<: less than MCL: Maximum Contaminant Level RL: Reporting Limit

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL12756 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7384

LABORATORY REPORT

Date Collected: 9/26/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 9/29/2022 Sample ID: AL12762 Time Received: 11:35 AM Facility Name: SOUTH DEKALB Project: 013-089-0002 Site ID: Location ID: Reporting Date: 12/22/2022 Location Descr: Received Temperature: 22.9

PARAMI ANALYTE COD		ER EPA NOTE METHOD	RESULT	QUALIFIER UNITS R			ANALYSIS RL ANALYST DATE			MCL or QC Range	
ETO by EPA Method TO-15 QC Ba	tch 19934	10									
Bromofluorobenzene(Surrogate QC Std.))	EPA TO-15	10.0533	ppbV			KL	9/30/2022	8 to	12	
Ethylene Oxide		EPA TO-15	0.0696	ppbV	SQ	0.0232	2 KL	9/30/2022			
ETO Results by EPA Method TO-1	5										
Bromofluorobenzene(Surrogate QC Std.))	EPA TO-15	71.9114	ug/m3			KL	9/30/2022	57.22 to	85.84	
Ethylene Oxide		EPA TO-15	0.1255	ug/m3	SQ	0.0418	3 KL	9/30/2022			

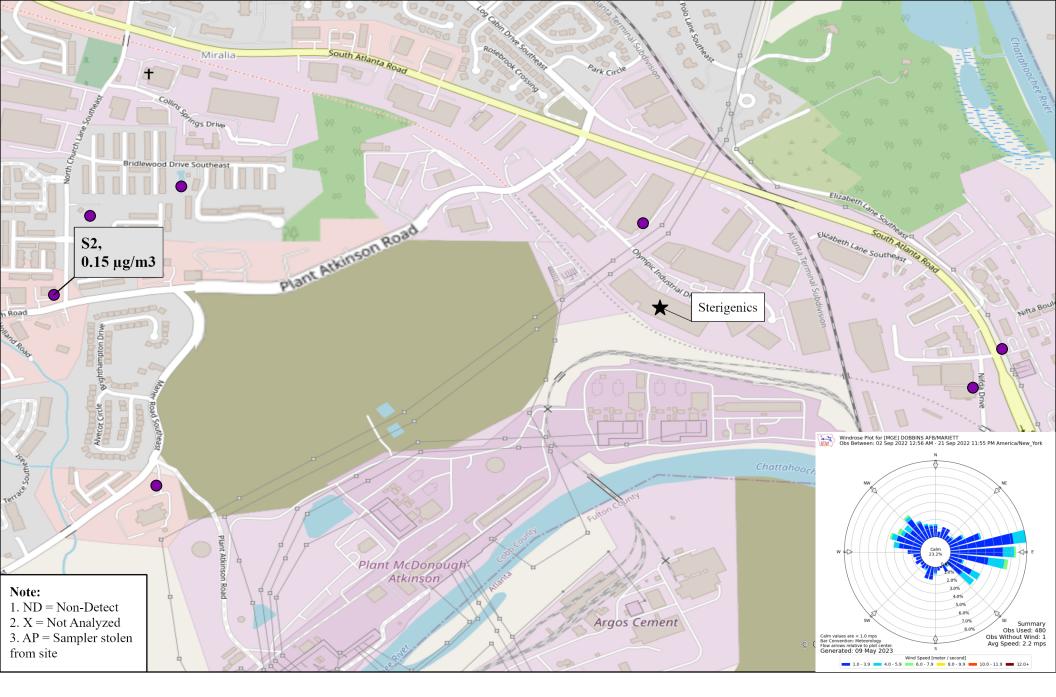
ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
org/l: organisms/liter

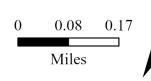
<: less than MCL: Maximum Contaminant Level RL: Reporting Limit L SPC: result less than lower specific

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AL12762 Page 1



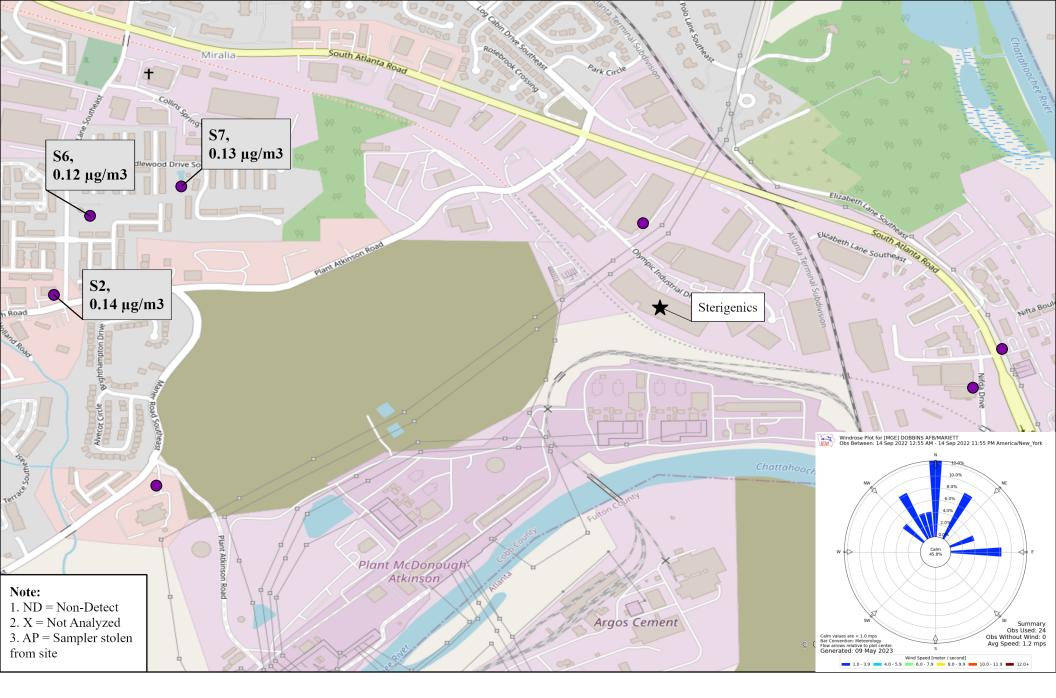


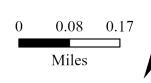
Site ID, Concentration (µg/m3)

Ethylene Oxide Sampling Cobb County, GA

09/02/2022





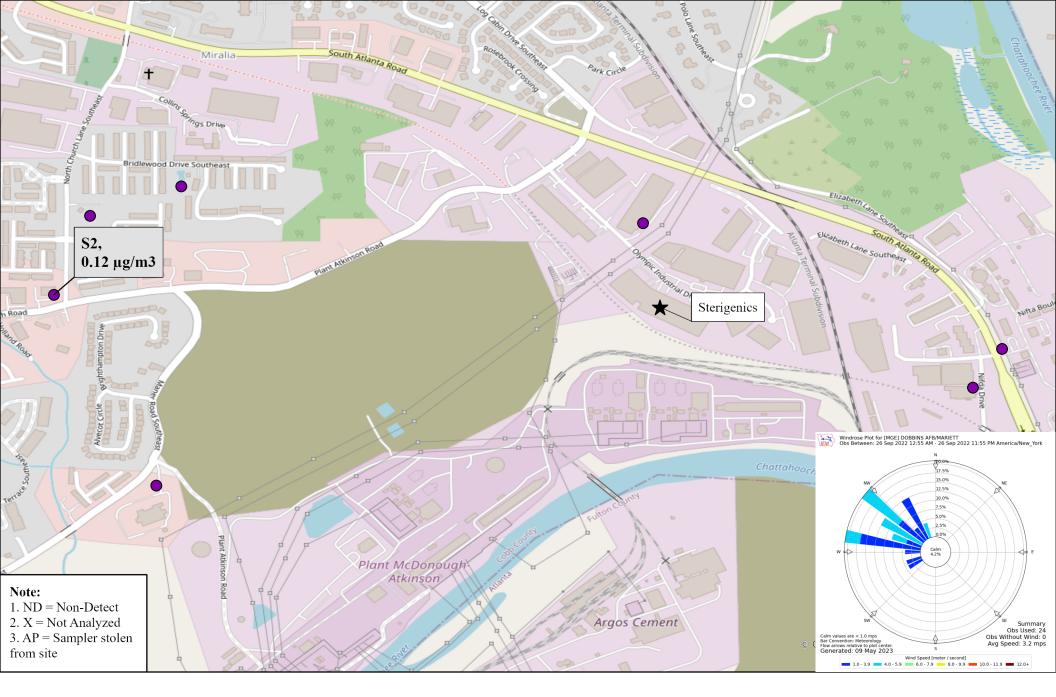


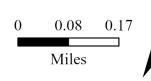
Site ID, Concentration (µg/m3)

Ethylene Oxide Sampling Cobb County, GA

09/14/2022





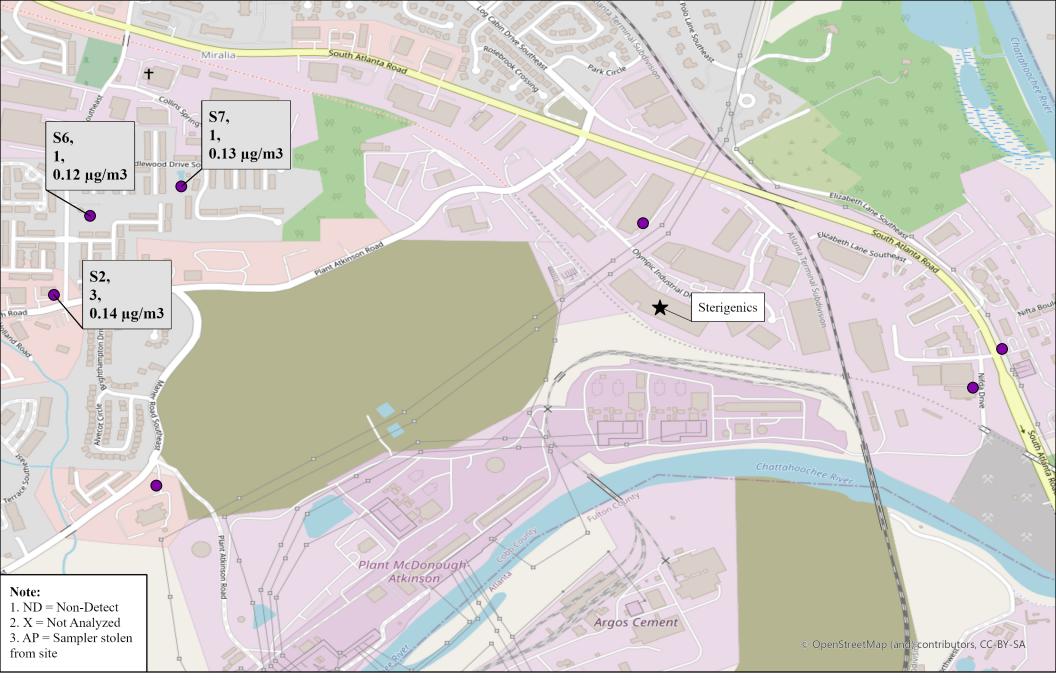


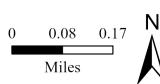
Site ID, Concentration (µg/m3)

Ethylene Oxide Sampling Cobb County, GA

09/26/2022







Site ID, Number of Samples, Concentration (μg/m3) Ethylene Oxide Sampling Cobb County, GA

September 2022 Site Average Values

Note: Not detectable values were included in average calculations as a value of 0.

