

Environmental Protection Division

February 16, 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: Karen Hays, Air Branch Chief **

Through: James Boylan, Assistant Branch Chief

Through: DeAnna Oser, Ambient Monitoring Program Manager

From: Jaime Gore, Operations 1 Unit Manager

RE: Fulton – February 10 – February 22, 2022, Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of February 10 – February 22, 2022, by the Ambient Monitoring Program in the Fulton 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 "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)
F2	02/10/2022		0.18
F2	02/22/2022		0.41
F2-QA	02/10/2022	2	0.16
F1-SA	02/22/2022	SQ, 2	0.10

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: 2/4/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114384 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 1/10/2022 Atlanta, GA 30354 Received By: HΖ Date Received: 2/8/2022 Sample ID: AK93263 Time Received: 11:18 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: QCCAN Reporting Date: 4/19/2022 Received Temperature: 21.6 Location Descr:

	PARAMET			QUALIFIER				ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL A	RL ANALYST DAT		QC Range	
ETO by EPA Method TO-15 QC B	atch 19489	94								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	9.5710	ppbV			KL	2/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0463	ppbV	SQ	0.0232	KL	2/10/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	68.4615	ug/m3			KL	2/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0835	ug/m3	SQ	0.0418	KL	2/10/2022		

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 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: AK93263 Page 1

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

LABORATORY REPORT

	Date Collected:	2/10/2022
	Time Collected:	0:00
TO: Co EDD Air Brogram	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
O LID AVOICE	Date Received:	2/24/2022
Sample ID: AK94055 Facility Name: COBB S2-QA	Time Received:	9:57 AM
Site ID: S2-QA	Project:	DATA STUDY
Location ID: QCCAN	Reporting Date:	4/19/2022
Location Descr:	Received Temperature:	23.2 °C

I	PARAMETER CODE NO	EPA OTE METHOD	PESIII T	QUA UNITS	LIFIER RL /	ΔΝΔΙ Υ	ANALYSIS ST DATE	MCL QC Ra	
ANALITE	0052 140	JIE	KESOLI	UNITS		NAL I	31 DALL	QUIN	arige
ETO by EPA Method TO-15 QC B	atch 195107								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.3032	ppbV		KL	2/25/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0949	ppbV	0.0232	KL	2/25/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	66.5459	ug/m3		KL	2/25/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1711	ug/m3	0.0418	KL	2/25/2022		

COMMENTS: \$ETO received in the lab at 3.5 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
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:**

iboratory Conta	uis.	
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: AK94055 Page 1

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

LABORATORY REPORT

	Date Collected:	2/22/2022
	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
O LID AVOICE	Date Received:	3/9/2022
Sample ID: AK94056 Facility Name: COBB S7	Time Received:	11:19 AM
Site ID: S7	Project:	DATA STUDY
Location ID:	Reporting Date:	4/19/2022
Location Descr:	Received Temperature:	20.1 °C

· ·		ARAMETER EPA		QUALIFIER				ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL A	ANALYS	T DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 1953	58								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.2374	ppbV			KL	3/11/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0593	ppbV	SQ	0.0232	KL	3/11/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	66.0752	ug/m3			KL	3/11/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1069	ug/m3	SQ	0.0418	KL	3/11/2022		

COMMENTS: \$ETO received in the lab at 4.5 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: AK94056 Page 1

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

LABORATORY REPORT

	Date Collected:	2/22/2022
	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	Date Received:	3/9/2022
Sample ID: AK94057 Facility Name: COVINGTON C3	Time Received:	11:19 AM
Site ID: C3	Project:	DATA STUDY
Location ID:	Reporting Date:	4/19/2022
Location Descr:	Received Temperature:	20.0 °C

	PARAMET	ER EPA	QUA		ANALYSIS	MCL or			
ANALYTE	LYTE CODE NOTE METHOD RESULT		RESULT	UNITS	RL A	NALY:	ST DATE	QC Ra	ange
ETO by EPA Method TO-15 QC E	Batch 1953	58							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.6118	ppbV		KL	3/11/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0774	ppbV	0.0232	KL	3/11/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	68.7533	ug/m3		KL	3/11/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1395	ug/m3	0.0418	KL	3/11/2022		

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: AK94057 Page 1

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

LABORATORY REPORT

	Date Collected:	2/16/2022
	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:	110322
4244 International Pkwy Ste 120	Canister Cleaned:	1/25/2022
Atlanta, GA 30354	Received By:	HZ
O LID AVOICE	Date Received:	2/21/2022
Sample ID: AK94059 Facility Name: SOUTH DEKALB	Time Received:	11:13 AM
Site ID: 013-089-0002	Project:	AIR
Location ID:	Reporting Date:	4/19/2022
Location Descr:	Received Temperature:	19.7 °C

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QI UNITS	UALIFIE			ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC E	Batch 19506	60								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.0602	ppbV		0.0001	KL	2/23/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0672	ppbV	SQ	0.0232	KL	2/23/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	64.8077	ug/m3			KL	2/23/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1211	ug/m3	SQ	0.0418	KL	2/23/2022		

COMMENTS: \$ETO received in the lab at 5.4 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: AK94059 Page 1

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

LABORATORY REPORT

	Date Collected:	2/22/2022
	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
O 1 ID AVG1000	Date Received:	3/9/2022
Sample ID: AK94060 Facility Name: COBB S6	Time Received:	11:19 AM
Site ID: S6	Project:	DATA STUDY
Location ID:	Reporting Date:	4/19/2022
Location Descr:	Received Temperature:	20.0 °C

FANALYTE	PARAMETER EPA CODE NOTE METHOD RESULT			QUA UNITS	ΔΝΔΙ Υ	ANALYSIS ST DATE	MCL or QC Range		
ANALITE	0052 14	012211102	KLOULI	UNITS	RL /	NAL I	JI DAIL	QUIN	ange
ETO by EPA Method TO-15 QC B	atch 195358								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.2754	ppbV		KL	3/11/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0873	ppbV	0.0232	KL	3/11/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	66.347	ug/m3		KL	3/11/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1574	ug/m3	0.0418	KL	3/11/2022		

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

VIOL: Violation (result exceeds MCL)

RL: Reporting Limit LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated

Lab Director: Inorganics: Metals: Organics:

Laboratory Contacts:

Microbiology:

Mark Tolbert 470-524-0577

Carmen Pyles 470-524-0629 Shene Jones 470-524-0544 Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Mary Bowman 470-524-0709

Sample ID: AK94060 Page 1

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

LABORATORY REPORT

Date Collected: 2/21/2022 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: Т Atlanta, GA 30354 Received By: ΗZ Date Received: 3/9/2022 Sample ID: AK94061 Time Received: 11:19 AM Facility Name: COBB S2 S6 S7 FB Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 4/19/2022 Received Temperature: 20.2 Location Descr:

		PARAMETER EPA			QUALIFIER			ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL A	ANALYS	T DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 19535	58								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	9.6905	ppbV			KL	3/11/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	3/11/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	69.3163	ug/m3			KL	3/11/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	3/11/2022		

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: AK94061 Page 1

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

LABORATORY REPORT

	Date Collected:	2/22/2022
	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
O 1 ID AVG 1000	Date Received:	3/9/2022
Sample ID: AK94062 Facility Name: COBB S2	Time Received:	11:19 AM
Site ID: S2	Project:	DATA STUDY
Location ID:	Reporting Date:	4/19/2022
Location Descr:	Received Temperature:	20.0 °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 I	Batch 1953	58								
Bromofluorobenzene(Surrogate QC St	:d.)	EPA TO-15	9.1582	ppbV			KL	3/11/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0601	ppbV	SQ	0.0232	. KL	3/11/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	:d.)	EPA TO-15	65.5087	ug/m3			KL	3/11/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1083	ug/m3	SQ	0.0418	KL	3/11/2022		

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: AK94062 Page 1

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

LABORATORY REPORT

	Date Collected: Time Collected:	2/10/2022 0:00
TO: Ga EPD Air Program	Sample Collector:	J. BRYANT
EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120 Atlanta, GA 30354	Sample Type:	
Allania, GA 30334	Received By:	HZ
0 1 10 1/2 122	Date Received:	2/24/2022
Sample ID: AK94063 Facility Name: COBB S2	Time Received:	9:57 AM
Site ID: S2	Project:	DATA STUDY
Location ID: QCCAN	Reporting Date:	4/19/2022
Location Descr:	Received Temperature:	23.4 °C

	PARAMETE	R EPA		QUALIFIER			ANALYSIS	MCL	or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL A	NALYS	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 195107	7							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.6078	ppbV		KL	2/25/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0770	ppbV	0.0232	KL	2/25/2022		
ETO Results by EPA Method TO-	·15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	68.7247	ug/m3		KL	2/25/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1388	ug/m3	0.0418	KL	2/25/2022		

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

ug/L: micrograms/liter	<: less than	Laboratory Contact	cts:		
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 ug/g: micrograms/gram	LSPC: result less than lower specification	Metals:	Shene Jones	470-524-0544	
ppm: parts per million	USPC: result greater than upper specification	Organics:	Mary Bowman	470-524-0639	
ppb: parts per billion	TIE: Tentatively Identified or Estimated	GC Mass Spec:	Ralph Schulz	470-524-0684	
org/L: organisms/liter	VIOL: Violation (result exceeds MCL)	Microbiology:	Mary Bowman	470-524-0709	

Sample ID: AK94063 Page 1

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

LABORATORY REPORT

Date Collected: 2/10/2022 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: 2/17/2022 Sample ID: AK94064 Time Received: 7:59 AM Facility Name: DOUGLAS GENERAL COFFEE Project: **DATA STUDY** Site ID: 013-069-0002 Location ID: Reporting Date: 4/19/2022 Received Temperature: 23.5 Location Descr:

	PARAMETER EPA			QUALIFIER				ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	T DATE	QC Ra	ange
ETO by EPA Method TO-15 QC E	Batch 1949	88								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.7272	ppbV			KL	2/17/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0330	ppbV	SQ 2	0.0232	2 KL	2/17/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	69.5788	ug/m3			KL	2/17/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0595	ug/m3	SQ 2	0.0418	3 KL	2/17/2022		

COMMENTS: \$ETO received in the lab at 24 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: AK94064 Page 1

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

LABORATORY REPORT

Date Collected: 2/10/2022 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: ΗZ Date Received: 2/24/2022 Sample ID: AK94065 Time Received: 9:57 AM Facility Name: COVINGTON C2-QA Project: **DATA STUDY** Site ID: C2-QA Location ID: Reporting Date: 4/19/2022 Received Temperature: 23.1 Location Descr:

ANALYTE	PARAMETER EPA CODE NOTE METHOD RESULT			QUA	ANAL V	ANALYSIS ST DATE	MCL or QC Range		
ANALTIE	CODE	NOTE METHOD	RESULI	UNITS	RL A	ANALY	SIDAIE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 195107	7							
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	9.6220	ppbV		KL	2/25/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1061	ppbV	0.0232	KL	2/25/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	68.8263	ug/m3		KL	2/25/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1913	ug/m3	0.0418	KL	2/25/2022		

COMMENTS: \$ETO received in the lab at 8 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: AK94065 Page 1

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

LABORATORY REPORT

	Date Collected: Time Collected:	2/10/2022 0:00
TO: Ga EPD Air Program	Sample Collector:	J. BRYANT
EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120 Atlanta, GA 30354	Sample Type:	
7	Received By:	HZ
Sample ID: AK94066	Date Received:	2/24/2022
Facility Name: FULTON F2	Time Received:	9:57 AM
Site ID: F2	Project:	DATA STUDY
Location ID: Location Descr:	Reporting Date: Received Temperature:	4/19/2022 23.2 °C

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QU <i>A</i> UNITS	LIFIER RL A	ANALYS	ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC I	Batch 1951	07							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.5899	ppbV		KL	2/25/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1017	ppbV	0.0232	KL	2/25/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	68.5967	ug/m3		KL	2/25/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1833	ug/m3	0.0418	KL	2/25/2022		

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/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: AK94066 Page 1

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

LABORATORY REPORT

	Date Collected:	2/10/2022
	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:	114320
4244 International Pkwy Ste 120	Canister Cleaned:	1/25/2022
Atlanta, GA 30354	Received By:	HZ
O L ID AVO 1007	Date Received:	2/14/2022
Sample ID: AK94067 Facility Name: south dekalb	Time Received:	11:07 AM
Site ID: 013-089-0002	Project:	AIR
Location ID:	Reporting Date:	4/19/2022
Location Descr:	Received Temperature:	19.9 °C

ANALYTE	PARAMETER EPA QUALIFIER YTE CODE NOTE METHOD RESULT UNITS R			ANALYS	ANALYSIS T DATE	S MCL or QC Range				
ETO by EPA Method TO-15 QC B	atch 19498	8								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.5962	ppbV			KL	2/16/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0546	ppbV	SQ	0.0232	KL	2/16/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	68.6417	ug/m3			KL	2/16/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0984	ug/m3	SQ	0.0418	KL	2/16/2022		

COMMENTS: \$ETO received in the lab at 5.4 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: AK94067 Page 1

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

LABORATORY REPORT

Date Collected: 2/10/2022 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: ΗZ Date Received: 2/24/2022 Sample ID: AK94068 Time Received: 9:57 AM Facility Name: FULTON F2-QA Project: **DATA STUDY** Site ID: F2-QA Location ID: Reporting Date: 4/19/2022 Received Temperature: 23.1 Location Descr:

I	PARAMETER EPA CODE NOTE METHOD RESULT			QUA UNITS	ANAI V	ANALYSIS ST DATE	MCL or QC Range		
ANALITE	OODL N	OTE METHOD	RESULT	UNITS	RL A	AINAL I	31 DAIL	QU N	arige
ETO by EPA Method TO-15 QC B	atch 195107								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.6920	ppbV		KL	2/25/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0880	ppbV	0.0232	KL	2/25/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	69.327	ug/m3		KL	2/25/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1586	ug/m3	0.0418	KL	2/25/2022		

COMMENTS: \$ETO received in the lab at 8 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: AK94068 Page 1

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

LABORATORY REPORT

Date Collected: 2/10/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114310 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 1/25/2022 Canister Cleaned: Atlanta, GA 30354 Received By: ΗZ Date Received: 2/14/2022 Sample ID: AK94069 Time Received: 11:07 AM Facility Name: SOUTH DEKALB QA Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 4/19/2022 Location Descr: Received Temperature: 20.1

ANALYTE	PARAMETER EPA CODE NOTE METHO	D RESULT	QUA UNITS	LIFIER RL A	NALYS	ANALYSIS ST DATE	MCL QC R	
	-		OMITO				Ψ	a.i.ge
ETO by EPA Method TO-15 QC B Bromofluorobenzene(Surrogate QC Sto		9.9450	Vdqq		KL	2/16/2022	8 to	12
Ethylene Oxide	EPA TO-15	0.1029	ppbV	0.0232	KL	2/16/2022		
ETO Results by EPA Method TO-	15							
Bromofluorobenzene(Surrogate QC Sto	d.) EPA TO-15	71.1367	ug/m3		KL	2/16/2022	57.22 to	85.84
Ethylene Oxide	EPA TO-15	0.1855	ug/m3	0.0418	KL	2/16/2022		
ETO NATTS QA Replicate Precis	ion							
Ethylene Oxide	EPA TO-15	13.2	%RPD		KL	2/17/2022		25
ETO QA Replicate Result								
Bromofluorobenzene(Surrogate QC Sto	d.) EPA TO-15	9.7777	ppbV		KL	2/16/2022	8 to	12
Ethylene Oxide	EPA TO-15	0.1174	Vdqq		KL	2/16/2022		

COMMENTS: \$ETO received in the lab at 5 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: AK94069 Page 1

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

LABORATORY REPORT

Date Collected: 2/10/2022 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: ΗZ Date Received: 2/24/2022 Sample ID: AK94070 Time Received: 9:57 AM Facility Name: COVINGTON C2 Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 4/19/2022 Received Temperature: 23.2 Location Descr:

I	PARAMETER EPA CODE NOTE METHOD RESULT			QUA UNITS	1 NI NI V	ANALYSIS ST DATE	MCL or QC Range		
ANALTIE	CODE N	OTE METHOD	RESULT	UNITS	RL A	AINAL I	SI DAIL	QC A	arige
ETO by EPA Method TO-15 QC B	atch 195107								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.5048	ppbV		KL	2/25/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1192	ppbV	0.0232	KL	2/25/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	67.9879	ug/m3		KL	2/25/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2149	ug/m3	0.0418	KL	2/25/2022		

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: AK94070 Page 1

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

LABORATORY REPORT

Date Collected: 2/21/2022 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: Т Atlanta, GA 30354 Received By: ΗZ Date Received: 3/9/2022 Sample ID: AK94709 Time Received: 11:19 AM Facility Name: COVINGTON C2 C3 FB Project: **DATA STUDY** Site ID: C2 Location ID: QCCAN Reporting Date: 4/19/2022 Received Temperature: 20.1 Location Descr:

	PARAMETER EPA			QUALIFIER				ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS R		RL A	ANALYS	QC Range		
ETO by EPA Method TO-15 QC B	atch 1953	58								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.7233	ppbV			KL	3/11/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	3/11/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	69.5509	ug/m3			KL	3/11/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	3/11/2022		

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

VIOL: Violation (result exceeds MCL)

LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated

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: AK94709 Page 1

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

LABORATORY REPORT

Date Collected: 2/28/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114368 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 2/7/2022 Atlanta, GA 30354 Received By: HΖ Date Received: 3/2/2022 Sample ID: AK94710 Time Received: 11:51 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 4/19/2022 Received Temperature: 21.0 Location Descr:

ANALYTE	PARAMETER EPA QUALIFIER YTE CODE NOTE METHOD RESULT UNITS RL				ANALYS	MCL QC R				
ETO by EPA Method TO-15 QC B	atch 19518	37								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	8.8325	ppbV			KL	3/3/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0314	ppbV	SQ	0.0232	2 KL	3/3/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	63.179	ug/m3			KL	3/3/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0566	ug/m3	SQ	0.0418	8 KL	3/3/2022		

COMMENTS: \$ETO received in the lab at 5.4 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: AK94710 Page 1

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

LABORATORY REPORT

	Date Collected:	2/22/2022
	Time Collected:	0:00
TO: Co EDD Air Brogram	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
- LID AVOITA	Date Received:	3/9/2022
Sample ID: AK94711 Facility Name: FULTON F2	Time Received:	11:19 AM
Site ID: F2	Project:	DATA STUDY
Location ID:	Reporting Date:	4/19/2022
Location Descr:	Received Temperature:	20.1 °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 1953	58							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.1084	ppbV		KL	3/11/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.2281	ppbV	0.0232	KL	3/11/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	65.1525	ug/m3		KL	3/11/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.4112	ug/m3	0.0418	KL	3/11/2022		

COMMENTS: \$ETO received in the lab at 4.5 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
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: AK94711 Page 1

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

LABORATORY REPORT

Date Collected: 2/22/2022 Time Collected: 0:00 Sample Collector: C. CULBERT 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: 3/3/2022 Sample ID: AK94716 Time Received: 9:03 AM Facility Name: DOUGLAS - GENERAL COFFEE Project: **DATA STUDY** Site ID: 013-069-0002 Location ID: Reporting Date: 4/19/2022 Received Temperature: 21.2 Location Descr:

	PARAMET	ER EPA		Q	UALIFIE	R	A	NALYSIS	MCL	. or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	DATE	QC R	ange
ETO by EPA Method TO-15 QC E	Batch 1951	87								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.8516	ppbV			KL	3/3/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0347	ppbV	SQ 2	0.0232	2 KL	3/3/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	70.4686	ug/m3			KL	3/3/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0625	ug/m3	SQ 2	0.0418	3 KL	3/3/2022		

COMMENTS: \$ETO received in the lab at 22.4 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: AK94716 Page 1

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

LABORATORY REPORT

Date Collected: 2/22/2022 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: ΗZ Date Received: 3/9/2022 Sample ID: AK94717 Time Received: 11:19 AM Facility Name: COVINGTON C2 Project: **DATA STUDY** Site ID: C2 Location ID: QCCAN Reporting Date: 4/19/2022 Received Temperature: 20.0 Location Descr:

PARAMETER EPA				QUALIFIER			ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL A	ANALY	ST DATE	QC Ra	ange
ETO by EPA Method TO-15 QC I	Batch 1953	58							
Bromofluorobenzene(Surrogate QC St	:d.)	EPA TO-15	9.6677	ppbV		KL	3/11/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0901	ppbV	0.0232	KL	3/11/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	:d.)	EPA TO-15	69.1532	ug/m3		KL	3/11/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1624	ug/m3	0.0418	KL	3/11/2022		

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: AK94717 Page 1

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

LABORATORY REPORT

Date Collected: 2/21/2022 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: ΗZ Date Received: 3/9/2022 Sample ID: AK94718 Time Received: 11:19 AM Facility Name: FULTON F1 F2 FB Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 4/19/2022 Received Temperature: 20.2 Location Descr:

ANALYTE	PARAMETE CODE	R EPA NOTE METHOD	RESULT	Q UNITS	UALIFIE		ANALYS	ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19535	8								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.6734	ppbV			KL	3/11/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	3/11/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	69.1939	ug/m3			KL	3/11/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	3/11/2022		

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: AK94718 Page 1

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

LABORATORY REPORT

	Date Collected:	2/22/2022
	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	Date Received:	3/9/2022
Sample ID: AK94721 Facility Name: FULTON F1	Time Received:	11:19 AM
Site ID: F1	Project:	DATA STUDY
Location ID:	Reporting Date:	4/19/2022
Location Descr:	Received Temperature:	20.0 °C

I ANALYTE	PARAMETE CODE	ER EPA NOTE METHOD	RESULT	QI UNITS	JALIFIE		ANALYS	ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19535	i8								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	9.7287	ppbV			KL	3/11/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0558	ppbV	SQ	0.0232	KL	3/11/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	69.5895	ug/m3			KL	3/11/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1006	ug/m3	SQ	0.0418	KL	3/11/2022		

COMMENTS: \$ETO received in the lab at 9.5 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
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: AK94721 Page 1

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

LABORATORY REPORT

Date Collected: 2/22/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114351 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 2/7/2022 Atlanta, GA 30354 Received By: HΖ Date Received: 2/24/2022 Sample ID: AK94724 Time Received: 9:57 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Reporting Date: Location ID: 4/19/2022 Received Temperature: 23.1 Location Descr:

P	ARAMET CODE	ER EPA NOTE METHOD	RESULT	UNITS	QUALIFIE		ANALYS	ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC Ba	tch 1951	07								
Bromofluorobenzene(Surrogate QC Std.))	EPA TO-15	9.3154	ppbV			KL	2/25/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0495	ppbV	SQ	0.0232	2 KL	2/25/2022		
ETO Results by EPA Method TO-1	5									
Bromofluorobenzene(Surrogate QC Std.))	EPA TO-15	66.6332	ug/m3			KL	2/25/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0892	ug/m3	SQ	0.0418	8 KL	2/25/2022		
COMMENTS: \$ETO received in the la	b at 5.2 ps	si.								

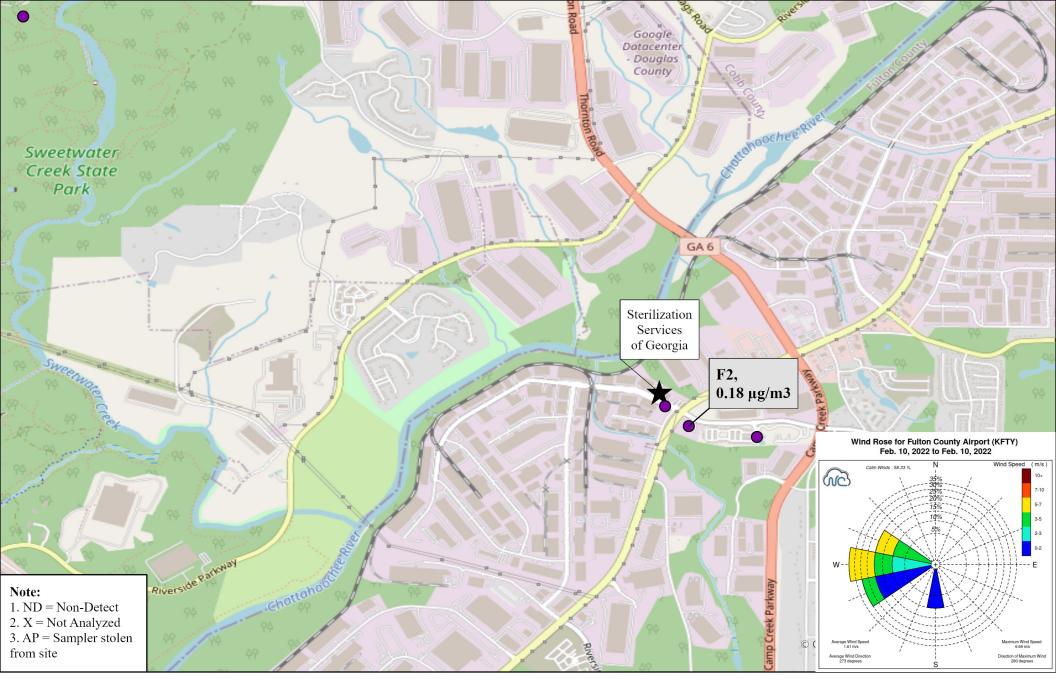
ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
org/L: organisms/liter

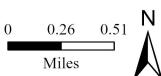
<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
L SPC: result less than lower specific

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

bulatury curtacts.									
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: AK94724 Page 1





Site ID, Concentration (µg/m3)

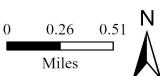
Ethylene Oxide Sampling Fulton County, GA

02/10/2022

Sampled By: Georgia Environmental Protection Division Analyzed By: Georgia Environmental Protection Division







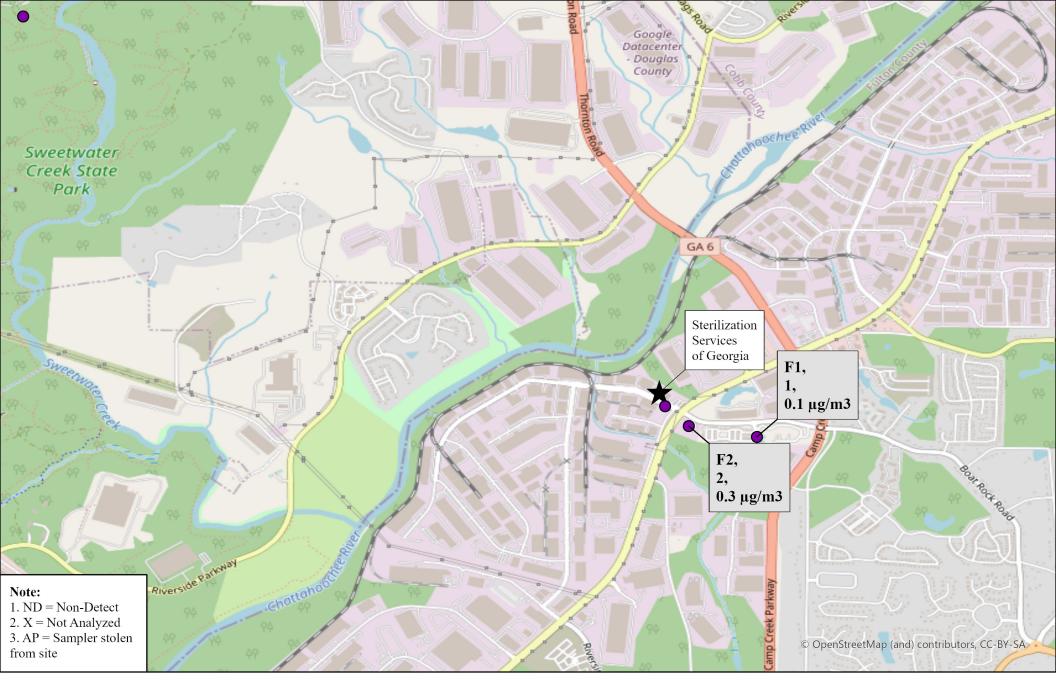
Site ID, Concentration (µg/m3)

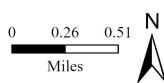
Ethylene Oxide Sampling Fulton County, GA

02/22/2022

Sampled By: Georgia Environmental Protection Division Analyzed By: Georgia Environmental Protection Division







Site ID, Number of Samples, Concentration (μg/m3)

Ethylene Oxide Sampling Fulton County, GA

February 2022 Site Average Values

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

Sampled By: Georgia Environmental Protection Division Analyzed By: Georgia Environmental Protection Division



ENVIRONMENTAL PROTECTION DIVISION