

Environmental Protection Division

April 5, 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 – May 5 – May 29, 2022, Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of May 5 – May 29, 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 "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	05/05/2022		0.23
F2	05/17/2022		0.20
F2	05/29/2022		0.33
F2-QA	05/05/2022		0.22
F1-SA	05/17/2022	SQ	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:	5/5/2022
	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 1/20100	Date Received:	5/13/2022
Sample ID: AK99120 Facility Name: COBB S2-QA	Time Received:	10:37 AM
Site ID: S2-QA	Project:	DATA STUDY
Location ID: QCCAN	Reporting Date:	8/4/2022
Location Descr:	Received Temperature:	24.6 °C

ANALYTE	PARAMETE CODE	ER EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL <i>A</i>	NALYS	ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC B	atch 19663	6							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.5571	ppbV		HZ	5/17/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.2592	ppbV	0.0232	HZ	5/17/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	68.362	ug/m3		HZ	5/17/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.4672	ug/m3	0.0418	HZ	5/17/2022		

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

Sample ID: AK99120 Page 1

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

LABORATORY REPORT

Date Collected: 5/11/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114353 **EPD** Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Canister Cleaned: 4/18/2022 Atlanta, GA 30354 Received By: KL Date Received: 5/13/2022 Sample ID: AK99121 Time Received: 10:37 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 19.7 oС

	PARAMETER EPA			QUA	QUALIFIER			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 1966	36							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.3430	ppbV		HZ	5/17/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1507	ppbV	0.0232	HZ	5/17/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	66.8306	ug/m3		HZ	5/17/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2716	ug/m3	0.0418	HZ	5/17/2022		

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

Sample ID: AK99121 Page 1

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

LABORATORY REPORT

Date Collected: 5/17/2022 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: 5/26/2022 Sample ID: AK99122 Time Received: 9:56 AM Facility Name: COVINGTON C2 Project: **DATA STUDY** Site ID: Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 23.1 oС

	PARAMETER EPA			QUA	QUALIFIER			MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL A	ANALYST DATE		QC Range	
ETO by EPA Method TO-15 QC B	atch 1967	63							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.8634	ppbV		KL	6/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1799	ppbV	0.0232	KL	6/1/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	70.553	ug/m3		KL	6/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3243	ug/m3	0.0418	KL	6/1/2022		

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

Sample ID: AK99122 Page 1

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

LABORATORY REPORT

Date Collected: 5/17/2022 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: 5/26/2022 Sample ID: AK99123 Time Received: 9:56 AM Facility Name: COBB S6-SA Project: **DATA STUDY** Site ID: S6-SA Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 23.1 oС

-	PARAMETER EPA			QUALIFIER			·=·	NALYSIS		
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS1	QC Range		
ETO by EPA Method TO-15 QC B	atch 1967	63								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.7113	ppbV			KL	6/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0727	ppbV	SQ	0.0232	. KL	6/1/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	69.465	ug/m3			KL	6/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.131	ug/m3	SQ	0.0418	8 KL	6/1/2022		

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

Sample ID: AK99123 Page 1

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

LABORATORY REPORT

	Date Collected: Time Collected:	5/17/2022 0:00
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Sample Collector: Chlorination:	J. BRYANT
4244 International Pkwy Ste 120 Atlanta, GA 30354	Sample Type: Received By:	KL
Sample ID: AK99125	Date Received:	5/26/2022
Facility Name: COBB S2	Time Received:	9:56 AM
Site ID: S2	Project:	DATA STUDY
Location ID: Location Descr:	Reporting Date: Received Temperature:	8/4/2022 23.0 °C

·		ARAMETER EPA		QU	ALIFIE		= =	NALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL .	ANALYST	DATE	QC Ra	ange
ETO by EPA Method TO-15 QC B	atch 1967	63								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.6767	ppbV			KL	6/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0636	ppbV	SQ	0.0232	KL	6/1/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	69.2175	ug/m3			KL	6/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1146	ug/m3	SQ	0.0418	KL	6/1/2022		

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

Sample ID: AK99125 Page 1

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

LABORATORY REPORT

Date Collected: 5/5/2022 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: 5/13/2022 Sample ID: AK99128 Time Received: 10:37 AM Facility Name: COBB S2 Project: **DATA STUDY** Site ID: S2 Reporting Date: Location ID: QCCAN 8/4/2022 Location Descr: Received Temperature: 23.5 oС

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QU <i>A</i> UNITS	ALIFIER RL A	ANALYS	ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC E	Batch 1966	36							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.3828	ppbV		HZ	5/17/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1396	ppbV	0.0232	HZ	5/17/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	67.1153	ug/m3		HZ	5/17/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2516	ug/m3	0.0418	HZ	5/17/2022		

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

ug/L: micrograms/liter mg/L: milligrams/kilogram 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 Carmen Pyles 470-524-0629 Inorganics: Metals: Shene Jones 470-524-0544 Mary Bowman 470-524-0639 Organics: GC Mass Spec: Ralph Schulz 470-524-0684 Mary Bowman 470-524-0709 Microbiology:

Sample ID: AK99128 Page 1

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

LABORATORY REPORT

Date Collected: 5/5/2022 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: 5/13/2022 Sample ID: AK99129 Time Received: 10:37 AM Facility Name: COVINGTON C2 Project: **DATA STUDY** Site ID: Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 19.4 oС

	PARAMETER EPA			QUA	QUALIFIER			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 1966	36							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.0362	ppbV		HZ	5/17/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1075	ppbV	0.0232	HZ	5/17/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	64.636	ug/m3		HZ	5/17/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1938	ug/m3	0.0418	HZ	5/17/2022		

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

Sample ID: AK99129 Page 1

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

LABORATORY REPORT

Date Collected: 5/5/2022 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: 5/13/2022 Sample ID: AK99130 1:27 PM Time Received: Facility Name: GENERAL COFFEE Project: **DATA STUDY** Site ID: 013-069-0002 Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 25.9 oС

	PARAMETER EPA			Q	QUALIFIER			ANALYSIS	MCL	or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALY:	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC B	3atch 1966	36								
Bromofluorobenzene(Surrogate QC St	:d.)	EPA TO-15	9.2866	ppbV			HZ	5/17/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0976	ppbV	2	0.0232	HZ	5/17/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	:d.)	EPA TO-15	66.4272	ug/m3			HZ	5/17/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1759	ug/m3	2	0.0418	HZ	5/17/2022		

COMMENTS: \$ETO received in the lab at 21 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 Carmen Pyles 470-524-0629 Inorganics: Metals: Shene Jones 470-524-0544 Mary Bowman 470-524-0639 Organics: GC Mass Spec: Ralph Schulz 470-524-0684 Mary Bowman 470-524-0709 Microbiology:

Sample ID: AK99130 Page 1

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

LABORATORY REPORT

Date Collected: 5/5/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114378 **EPD** Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Canister Cleaned: 4/18/2022 Atlanta, GA 30354 Received By: KL Date Received: 5/9/2022 Sample ID: AK99131 Time Received: 12:43 PM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 21.6 oС

	PARAMETER EPA			QUA	QUALIFIER			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 1963	80							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.4622	ppbV		KL	5/11/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1291	ppbV	0.0232	KL	5/11/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	67.6832	ug/m3		KL	5/11/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2327	ug/m3	0.0418	KL	5/11/2022		

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

Sample ID: AK99131 Page 1

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

LABORATORY REPORT

	Date Collected: Time Collected:	5/5/2022 0:00
TO: Ga EPD Air Program	Sample Collector:	J. BRYANT
EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120	Chlorination: Sample Type:	
Atlanta, GA 30354	Received By:	KL
	Date Received:	5/13/2022
Sample ID: AK99132 Facility Name: FULTON F2	Time Received:	10:37 AM
Site ID: F2	Project:	DATA STUDY
Location ID: Location Descr:	Reporting Date: Received Temperature:	8/4/2022 19.8 °C

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QU <i>A</i> UNITS	ALIFIER RL A		ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC E	Batch 1966:	36							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.5664	ppbV		HZ	5/17/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1268	ppbV	0.0232	HZ	5/17/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	68.4286	ug/m3		HZ	5/17/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2286	ug/m3	0.0418	HZ	5/17/2022		

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

Sample ID: AK99132 Page 1

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

LABORATORY REPORT

Date Collected: 5/5/2022 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: 5/13/2022 Sample ID: AK99133 Time Received: 10:37 AM Facility Name: COVINGTON C2-QA Project: **DATA STUDY** Site ID: C2-QA Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 20.9 oС

PARAMETER 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 B	atch 1966	36							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.5861	ppbV		HZ	5/17/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1110	ppbV	0.0232	HZ	5/17/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	68.5695	ug/m3		HZ	5/17/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2001	ug/m3	0.0418	HZ	5/17/2022		

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

Sample ID: AK99133 Page 1

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

LABORATORY REPORT

Date Collected: 5/5/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114339 **EPD** Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Canister Cleaned: 4/18/2022 Atlanta, GA 30354 Received By: KL Date Received: 5/9/2022 Sample ID: AK99134 Time Received: 12:43 PM Facility Name: SOUTH DEKALB QA Project: AIR Site ID: 013-089-0002 Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 20.4 oС

	PARAMETE	R EPA		QUA	QUALIFIER			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 196380	0							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.6338	ppbV		KL	5/11/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1151	ppbV	0.0232	KL	5/11/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	68.9107	ug/m3		KL	5/11/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2075	ug/m3	0.0418	KL	5/11/2022		
ETO NATTS QA Replicate Precis	sion								
Ethylene Oxide		EPA TO-15	18.7	%RPD		KL	5/12/2022		25
ETO QA Replicate Result									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.6675	ppbV		KL	5/11/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0954	ppbV		KL	5/11/2022		

COMMENTS: \$ETO received in the lab at 5.2 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)

Lab Director: Inorganics: Metals:

Organics:

Laboratory Contacts: Mark Tolbert Carmen Pyles Shene Jones Mary Bowman

470-524-0577 470-524-0629 470-524-0544 470-524-0639

GC Mass Spec: Ralph Schulz 470-524-0684 Mary Bowman 470-524-0709 Microbiology:

Sample ID: AK99134 Page 1

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

LABORATORY REPORT

Date Collected: 5/5/2022 0:00 Time Collected: 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: 5/13/2022 Sample ID: AK99135 Time Received: 10:37 AM Facility Name: FULTON F2-QA Project: **DATA STUDY** Site ID: F2-QA Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 21.6 oС

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL A	ANALYS	ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC	Batch 1966	36							
Bromofluorobenzene(Surrogate QC S	td.)	EPA TO-15	9.6530	ppbV		HZ	5/17/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1244	ppbV	0.0232	HZ	5/17/2022		
ETO Results by EPA Method TO)-15								
Bromofluorobenzene(Surrogate QC S	td.)	EPA TO-15	69.048	ug/m3		HZ	5/17/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2242	ug/m3	0.0418	HZ	5/17/2022		

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

Sample ID: AK99135 Page 1

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

LABORATORY REPORT

Date Collected: 5/17/2022 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: HΖ Date Received: 5/26/2022 Sample ID: AL00077 Time Received: 9:56 AM Facility Name: COVINGTON C3-SA Project: **DATA STUDY** Site ID: C3-SA Reporting Date: Location ID: QCCAN 8/4/2022 Location Descr: Received Temperature: 23.1 oС

ANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL <i>A</i>	NALYS	ANALYSIS F DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19676	33							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	10.0540	ppbV		KL	6/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0746	ppbV	0.0232	KL	6/1/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	71.9164	ug/m3		KL	6/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1345	ug/m3	0.0418	KL	6/1/2022		

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

Sample ID: AL00077 Page 1

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

LABORATORY REPORT

Date Collected: 5/17/2022 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: HΖ Date Received: 5/26/2022 Sample ID: AL00078 Time Received: 9:56 AM Facility Name: FULTON F2 Project: **DATA STUDY** Site ID: Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 23.0 oС

	PARAMETI	ER EPA	QUA		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 19676	3 3							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.7321	ppbV		KL	6/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1134	ppbV	0.0232	KL	6/1/2022		
ETO Results by EPA Method TO-	-15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	69.6138	ug/m3		KL	6/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2044	ug/m3	0.0418	KL	6/1/2022		

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

Sample ID: AL00078 Page 1

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

LABORATORY REPORT

Date Collected: 5/17/2022 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: HΖ Date Received: 5/26/2022 Sample ID: AL00079 Time Received: 9:56 AM Facility Name: FULTON F1-SA Project: **DATA STUDY** Site ID: F1-SA Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 23.0 oС

	PARAMET	ARAMETER EPA			QUALIFIER			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 1967	63								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.2516	ppbV			KL	6/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0575	ppbV	SQ	0.0232	. KL	6/1/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	66.1768	ug/m3			KL	6/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1036	ug/m3	SQ	0.0418	KL	6/1/2022		

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

Sample ID: AL00079 Page 1

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

LABORATORY REPORT

Date Collected: 5/17/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 110327 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 5/2/2022 Atlanta, GA 30354 Received By: HΖ Date Received: 5/19/2022 Sample ID: AL00081 Time Received: 10:06 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 25.6 oС

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QI UNITS	UALIFIE		A ANALYST	NALYSIS DATE	MCL QC R	
ETO by EPA Method TO-15 QC E	Batch 19676	63								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.9710	ppbV			KL	6/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0680	ppbV	SQ	0.0232	2 KL	6/1/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	71.3227	ug/m3			KL	6/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1226	ug/m3	SQ	0.0418	3 KL	6/1/2022		

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

Sample ID: AL00081 Page 1

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

LABORATORY REPORT

Date Collected: 5/17/2022 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: HΖ Date Received: 5/25/2022 Sample ID: AL00082 Time Received: 11:25 AM Facility Name: DOUGLAS - GENERAL COFFEE Project: **DATA STUDY** Site ID: 013-069-0002 Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 23.5

P.	RAMET			QUALIFIER			-	NALYSIS	MCL or		
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS ⁻	DATE	QC R	QC Range	
ETO by EPA Method TO-15											
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	Not Analyzed	ppbV	AQ		KL	5/25/2022	8 to	12	
Ethylene Oxide		EPA TO-15	Not Analyzed	ppbV	AQ	0.0232	2 KL	5/25/2022			
ETO Results by EPA Method TO-15	5										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	Not Analyzed	ug/m3	AQ		KL	5/25/2022	57.22 to	85.84	
Ethylene Oxide		EPA TO-15	Not Analyzed	ug/m3	AQ	0.0418	3 KL	5/25/2022			

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

Sample ID: AL00082 Page 1

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

LABORATORY REPORT

Date Collected: 5/29/2022 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: HΖ Date Received: 6/3/2022 Sample ID: AL00083 2:09 PM Time Received: Facility Name: DOUGLAS - GENERAL COFFEE Project: **DATA STUDY** Site ID: 013-069-0002 Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 24.1 oС

PARAMETER E				QI	JALIFIE	ER .	,	NALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 1969	94								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	10.2926	ppbV			KL	6/8/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0669	ppbV	SQ	0.0232	2 KL	6/8/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	73.6231	ug/m3			KL	6/8/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1206	ug/m3	SQ	0.0418	3 KL	6/8/2022		

COMMENTS: \$ETO received in the lab at 21 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 Carmen Pyles 470-524-0629 Inorganics: Metals: Shene Jones 470-524-0544 Mary Bowman 470-524-0639 Organics: GC Mass Spec: Ralph Schulz 470-524-0684 Mary Bowman 470-524-0709 Microbiology:

Sample ID: AL00083 Page 1

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

LABORATORY REPORT

Date Collected: 5/23/2022 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: 5/2/2022 Atlanta, GA 30354 Received By: HΖ Date Received: 5/26/2022 Sample ID: AL00084 Time Received: 9:56 AM Facility Name: SOUTH DEKALB Project: **AIR** Site ID: 013-089-0002 Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 22.9 oС

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	Q UNITS	UALIFIE		A ANALYST	NALYSIS DATE	MCL QC R	
ETO by EPA Method TO-15 QC E	Batch 1967	63								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.2491	ppbV			KL	6/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0569	ppbV	SQ	0.0232	2 KL	6/1/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	73.3119	ug/m3			KL	6/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1026	ug/m3	SQ	0.0418	3 KL	6/1/2022		

COMMENTS: \$ETO received in the lab at 5.2 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 Carmen Pyles 470-524-0629 Inorganics: Metals: Shene Jones 470-524-0544 Mary Bowman 470-524-0639 Organics: GC Mass Spec: Ralph Schulz 470-524-0684 Mary Bowman 470-524-0709 Microbiology:

Sample ID: AL00084 Page 1

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

LABORATORY REPORT

	Date Collected: Time Collected:	5/29/2022 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:	HZ
0 1 10 11 00005	Date Received:	6/7/2022
Sample ID: AL00085 Facility Name: COBB S2	Time Received:	11:26 AM
Site ID: S2	Project:	DATA STUDY
Location ID: QCCAN	Reporting Date:	8/4/2022
Location Descr:	Received Temperature:	23.6 °C

F	PARAMETER	EPA		QUALIFIER			ANALYSIS	MCL or	
ANALYTE	CODE NOT	E METHOD	RESULT	UNITS	RL A	NALYS	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC Ba	atch 197025								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.9496	ppbV		KL	6/14/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0979	ppbV	0.0232	KL	6/14/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	71.1696	ug/m3		KL	6/14/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1765	ug/m3	0.0418	KL	6/14/2022		

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 MCI: Maximum

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

Sample ID: AL00085 Page 1

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

LABORATORY REPORT

Date Collected: 5/25/2022 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: HΖ Date Received: 6/7/2022 Sample ID: AL00086 Time Received: 11:26 AM Facility Name: COBB S2 FB Project: **DATA STUDY** Site ID: Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 20.5 oС

ANALYTE	PARAMETER EPA CODE NOTE METHOD RESULT		RESULT	Q UNITS	UALIFIE		ANALYS	ANALYSIS T DATE	MCL or QC Range	
ETO by EPA Method TO-15 QC E	Batch 19702	5								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.3414	ppbV			KL	6/14/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	6/14/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	73.9722	ug/m3			KL	6/14/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	6/14/2022		

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

Sample ID: AL00086 Page 1

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

LABORATORY REPORT

Date Collected: 5/29/2022 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: HΖ Date Received: 6/7/2022 Sample ID: AL00087 Time Received: 11:26 AM Facility Name: FULTON F2 Project: **DATA STUDY** Site ID: Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 21.6 oС

	PARAMET	PARAMETER EPA			QUALIFIER			MCL or	
ANALYTE	CODE	NOTE METHOD	METHOD RESULT		RL A	NALY	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC E	Batch 1970	25							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.0367	ppbV		KL	6/14/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1846	ppbV	0.0232	KL	6/14/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	71.7926	ug/m3		KL	6/14/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3328	ug/m3	0.0418	KL	6/14/2022		

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

Sample ID: AL00087 Page 1

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

LABORATORY REPORT

Date Collected: 5/25/2022 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: HΖ Date Received: 6/7/2022 Sample ID: AL00088 Time Received: 11:26 AM Facility Name: FULTON F2 FB Project: **DATA STUDY** Site ID: Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 20.9 oС

ANALYTE	PARAMETER EPA CODE NOTE METHOD RESULT		RESULT	Ql UNITS	QUALIFIER UNITS RL			ANALYSIS ANALYST DATE		
ETO by EPA Method TO-15 QC B	Batch 197025									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	10.3110	ppbV			KL	6/14/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	6/14/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	73.7547	ug/m3			KL	6/14/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	6/14/2022		

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

Sample ID: AL00088 Page 1

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

LABORATORY REPORT

Date Collected: 5/24/2022 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: HΖ Date Received: 6/7/2022 Sample ID: AL00089 Time Received: 11:26 AM Facility Name: COVINGTON C2 FB Project: **DATA STUDY** Site ID: Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 21.7

ı	PARAMETE			QUALIFIER			_	ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL A	ANALYS	DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 197025	5								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	10.3880	ppbV			KL	6/14/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	6/14/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	74.3055	ug/m3			KL	6/14/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	6/14/2022		

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

Sample ID: AL00089 Page 1

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

LABORATORY REPORT

Date Collected: 5/29/2022 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: HΖ Date Received: 6/7/2022 Sample ID: AL00090 Time Received: 11:26 AM Facility Name: COVINGTON C2 Project: **DATA STUDY** Site ID: Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 22.1 oС

	PARAMET	ER EPA	QUA		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 1970	25							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.9614	ppbV		KL	6/14/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1999	ppbV	0.0232	KL	6/14/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	71.254	ug/m3		KL	6/14/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3603	ug/m3	0.0418	KL	6/14/2022		

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

Sample ID: AL00090 Page 1

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

LABORATORY REPORT

Date Collected: 5/29/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114324 EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Canister Cleaned: 5/2/2022 Atlanta, GA 30354 Received By: HΖ Date Received: 6/1/2022 Sample ID: AL00091 Time Received: 11:43 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Reporting Date: Location ID: 8/4/2022 Location Descr: Received Temperature: 21.9

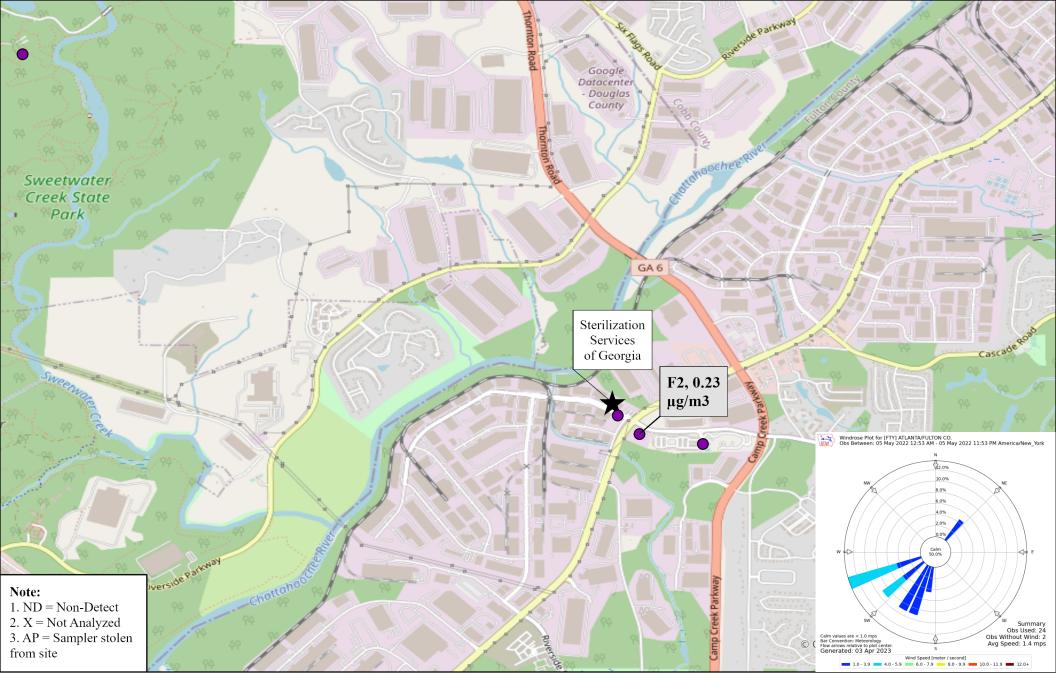
P	PARAMETER EPA CODE NOTE METH		RESULT	UNITS	QUALIFIE		ANALYS	MCL or QC Range		
ETO by EPA Method TO-15 QC Ba	tch 1967	63								
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	10.0994	ppbV			KL	6/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0673	ppbV	SQ	0.0232	2 KL	6/1/2022		
ETO Results by EPA Method TO-1	5									
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	72.2411	ug/m3			KL	6/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1213	ug/m3	SQ	0.0418	3 KL	6/1/2022		
COMMENTS: \$ETO received in the la	ab at 5.4 ps	si.								

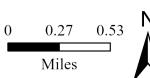
ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion org/L: organisms/liter <: less than MCL: Maximum Contaminant Level RL: Reporting Limit

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

Sample ID: AL00091 Page 1





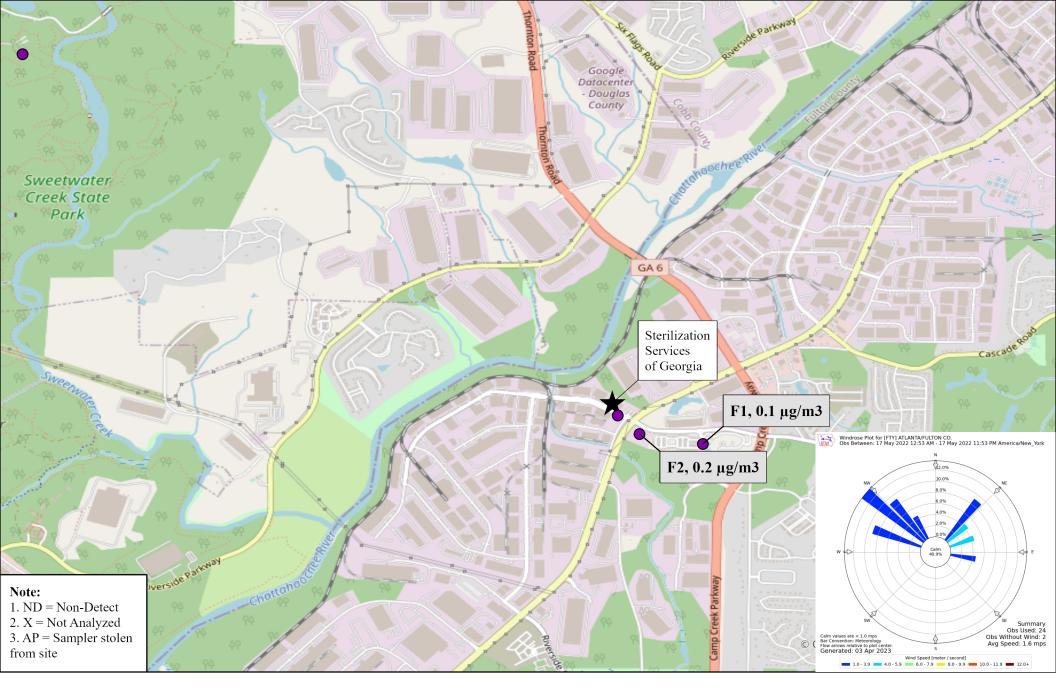
Site ID, Concentration (µg/m3)

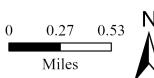
Ethylene Oxide Sampling Fulton County, GA

05/05/2022

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







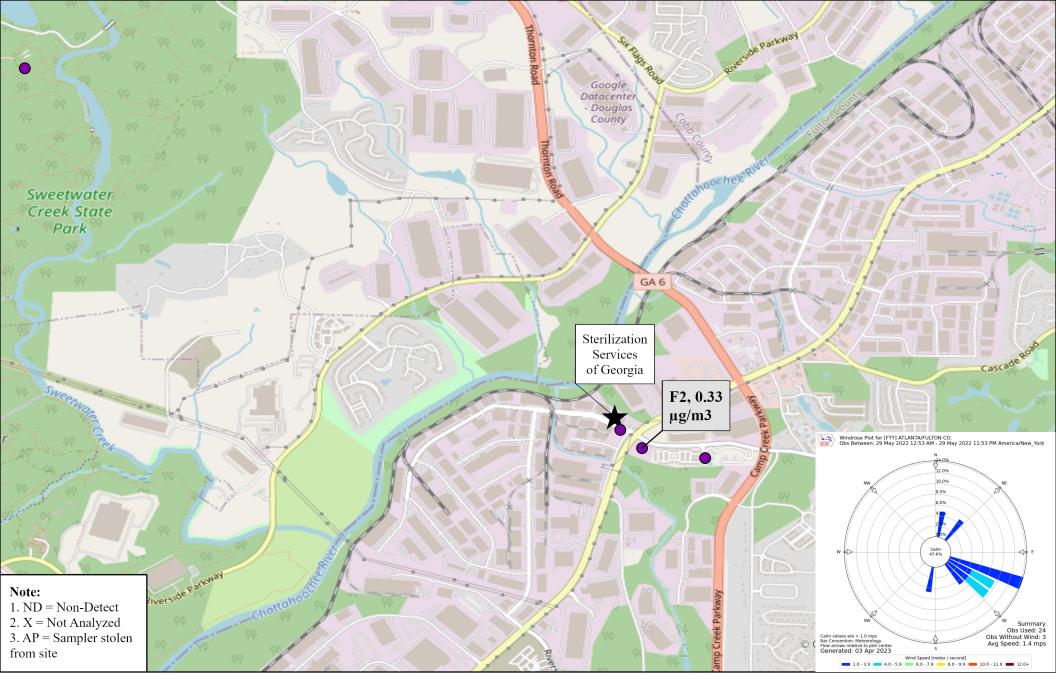
Site ID, Concentration (µg/m3)

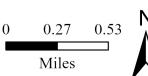
Ethylene Oxide Sampling Fulton County, GA

05/17/2022

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







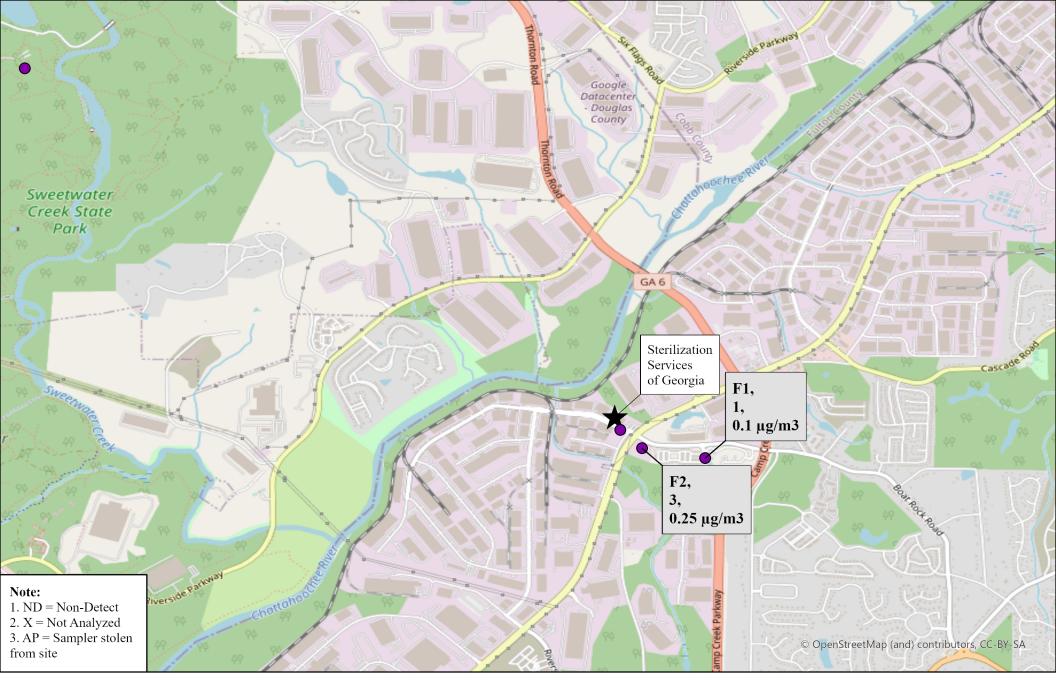
Site ID, Concentration (µg/m3)

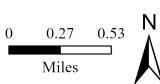
Ethylene Oxide Sampling Fulton County, GA

05/29/2022

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

May 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