

ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

EPD Director's Office

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

October 13, 2022

MEMORANDUM

To: Karen Hays, Air Branch Chief

Through: James Boylan, Assistant Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: Fulton October 01, 2021- October 31, 2021, Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of October 01, 2021- October 31, 2021, in the south Fulton area to characterize the EtO concentrations. The samples analyzed by the Georgia Environmental Protection Division Laboratory. The null code "AF" indicates the sample was scheduled but not collected. The Qualifier code of "2" is applied to samples to indicate that the collection deviated from established procedures, but the integrity of the sample was not compromised. Please note that site F1 is now used for spatial comparison of the ethylene oxide concentration.

Location	Date	Qualifier	EtO Concentration (ug/m³)
F1-SA	10/13/2021		0.27
F2	10/01/2021	2	0.14
F2	10/13/2021		0.39
F2	10/25/2021		AF
F2	10/31/2021	2	0.40
F2 QA	10/01/2021	2	0.20

If you have any questions, please let me know.

DGO/do

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

Date Collected: 10/1/2021 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114377 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 9/2/2021 Atlanta, GA 30354 Received By: KL Date Received: 10/5/2021 Sample ID: AK84720 Time Received: 10:47 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 12/16/2021 Received Temperature: 24.5 Location Descr:

	PARAMETER EPA			QUALIFIER			ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL ANAL		ST DATE	QC Range	
ETO by EPA Method TO-15 QC E	Batch 1930	70							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.6356	ppbV		KL	10/5/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.1643	ppbV	0.016	KL	10/5/2021		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	76.0766	ug/m3		KL	10/5/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2962	ug/m3	0.0288	KL.	10/5/2021		

COMMENTS: \$TEO 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 Inorganics: Kristy Hrehor 470-524-0689 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: AK84720 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

Date Collected: 10/9/2021 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: 9/27/2021 Atlanta, GA 30354 Received By: KL Date Received: 10/12/2021 Sample ID: AK87159 Time Received: 11:55 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: QCCAN Reporting Date: 12/16/2021 Received Temperature: 23.5 Location Descr:

FANALYTE	PARAMETER EPA CODE NOTE METHOD RESULT		QUALIFIER UNITS RL		ANALY	ANALYSIS ST DATE	MCL or QC Range		
ETO by EPA Method TO-15 QC Ba	atch 19328	1							
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	10.2845	ppbV		KL	10/14/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.1720	ppbV	0.016	KL	10/14/2021		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	73.5651	ug/m3		KL	10/14/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.31	ug/m3	0.0288	KL	10/14/2021		

COMMENTS: \$ETO received in the lab at 4 in Hg. This is an ETO makeup sample for 10-07-2021.

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: Kristy Hrehor 470-524-0689 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: AK87159 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

Date Collected: 10/21/2021 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114320 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 9/27/2021 Atlanta, GA 30354 Received By: KL Date Received: 10/27/2021 Sample ID: AK87160 Time Received: 10:02 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 12/16/2021 Received Temperature: 17.5 Location Descr:

	PARAMETER EPA			QUALIFIER			ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL	ANALYST DATE		QC Range	
ETO by EPA Method TO-15 QC E	Batch 1936	03							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.8316	ppbV		KL	11/2/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.2025	ppbV	0.016	KL	11/2/2021		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	77.4786	ug/m3		KL	11/2/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.365	ug/m3	0.0288	KL.	11/2/2021		

COMMENTS: \$ETO received in the lab at 3 in Hq. This is an ETO makeup sample for 10/13/2021.

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: Kristy Hrehor 470-524-0689 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: AK87160 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

	Date Collected:	10/19/2021
	Time Collected:	0:00
TO: Co EDD Air Program	Sample Collector:	H. STREET
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Canister Number:	GL065
4244 International Pkwy Ste 120	Canister Cleaned:	9/27/2021
Atlanta, GA 30354	Received By:	KL
0	Date Received:	10/21/2021
Sample ID: AK87161 Facility Name: south dekalb	Time Received:	11:33 AM
Site ID: 013-089-0002	Project:	AIR
Location ID:	Reporting Date:	12/16/2021
Location Descr:	Received Temperature:	19.9 °C

F	PARAMETER EPA			QUALIFIER			ANALYSIS	MCL or	
ANALYTE	CODE NOTE METHOD		RESULT	UNITS	RL A	ANALY	ST DATE	QC Range	
ETO by EPA Method TO-15 QC Ba	atch 19348	31							
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	10.5316	ppbV		KL	10/26/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.2175	ppbV	0.016	KL	10/26/2021		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	75.3327	ug/m3		KL	10/26/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3921	ug/m3	0.0288	KL	10/26/2021		

COMMENTS: \$ETO received in the lab at 2 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

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Sample ID: AK87161 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

Date Collected: 10/25/2021 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: 9/27/2021 Atlanta, GA 30354 Received By: KL Date Received: 10/27/2021 Sample ID: AK87162 Time Received: 10:02 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 12/16/2021 Received Temperature: 17.1 Location Descr:

	PARAMETER EPA			QUALIFIER			ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL .	ANALY:	ST DATE	QC Range	
ETO by EPA Method TO-15 QC E	Batch 1936	03							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.5325	ppbV		KL	11/2/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.1582	ppbV	0.016	KL	11/2/2021		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	75.3391	ug/m3		KL	11/2/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2852	ug/m3	0.0288	KL	11/2/2021		

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 Inorganics: Kristy Hrehor 470-524-0689 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: AK87162 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

	Date Collected:	10/1/2021
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	KL
O L ID AVOZVOE	Date Received:	10/15/2021
Sample ID: AK87165 Facility Name: COBB S2 QA	Time Received:	11:35 AM
Site ID: S2	Project:	DATA STUDY
Location ID: QCCAN	Reporting Date:	12/16/2021
Location Descr: S2	Received Temperature:	21.9 °C

ANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL	ANALY	ANALYSIS ST DATE	MCL QC R	
ETO by EPA Method TO-15 QC E	atch 19337	71							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	10.6288	ppbV		KL	10/20/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.1893	ppbV	0.016	KL	10/20/2021		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	76.0279	ug/m3		KL	10/20/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3412	ug/m3	0.0288	KL	10/20/2021		

COMMENTS: \$ETO received in the lab at 4.5 in Hg.

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

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

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Sample ID: AK87165 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

	Date Collected:	10/1/2021
	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	Date Received:	10/15/2021
Sample ID: AK87166 Facility Name: COBB S2	Time Received:	11:35 AM
Site ID: S2	Project:	DATA STUDY
Location ID:	Reporting Date:	12/16/2021
Location Descr: S2	Received Temperature:	23.9 °C

F ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL	ANALY	ANALYSIS ST DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19337	71							
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	10.2872	ppbV		KL	10/20/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.1930	ppbV	0.016	KL	10/20/2021		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	73.5845	ug/m3		KL	10/20/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3479	ug/m3	0.0288	KL	10/20/2021		

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

ug/L: micrograms/liter mg/L: milligrams/kilogram ug/kg: milligrams/kilogram ug/g: 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: Kristy Hrehor 470-524-0689 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: AK87166 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

Date Collected: 10/1/2021 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: 10/15/2021 Sample ID: AK87167 Time Received: 11:35 AM Facility Name: COVINGTON C2 QA Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 12/16/2021 Received Temperature: 24.6 Location Descr: C2

	PARAMETER EPA			QUALIFIER			ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL .	ANALY	ST DATE	QC Range	
ETO by EPA Method TO-15 QC E	Batch 1933	71							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.6269	ppbV		KL	10/20/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.1089	ppbV	0.016	KL	10/20/2021		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	76.0143	ug/m3		KL	10/20/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1963	ug/m3	0.0288	KL	10/20/2021		

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 Inorganics: Kristy Hrehor 470-524-0689 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: AK87167 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

	Date Collected:	10/1/2021
	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:	KL
- LID AV67400	Date Received:	10/15/2021
Sample ID: AK87168 Facility Name: COVINGTON C2	Time Received:	11:35 AM
Site ID: C2	Project:	DATA STUDY
Location ID:	Reporting Date:	12/16/2021
Location Descr: C2	Received Temperature:	25.9 °C

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QU <i>A</i> UNITS	LIFIER RL	ANALY	ANALYSIS ST DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC E	Batch 1933	71							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.3441	ppbV		KL	10/20/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.1298	ppbV	0.016	KL	10/20/2021		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	73.9915	ug/m3		KL	10/20/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.234	ug/m3	0.0288	KL	10/20/2021		

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

W	oratory Conta	CIS.	
	Lab Director:	Mark Tolbert	470-524-0577
	Inorganics:	Kristy Hrehor	470-524-0689
	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: AK87168 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

	Date Collected:	10/1/2021
	Time Collected:	0:00
TO: Ga EPD Air Program	Sample Collector:	J. BRYANT
EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	KL
0	Date Received:	10/15/2021
Sample ID: AK87169 Facility Name: FULTON F2 QA	Time Received:	11:35 AM
Site ID: F2	Project:	DATA STUDY
Location ID:	Reporting Date:	12/16/2021
Location Descr: F2	Received Temperature:	21.5 °C

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL	ANALY	ANALYSIS ST DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	3atch 1933	71							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.2791	ppbV		KL	10/20/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.1117	ppbV	0.016	KL	10/20/2021		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	73.5265	ug/m3		KL	10/20/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2013	ug/m3	0.0288	KL	10/20/2021		

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

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Sample ID: AK87169 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

Date Collected: 10/1/2021 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: 10/15/2021 Sample ID: AK87170 Time Received: 11:35 AM Facility Name: FULTON F2 Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 12/16/2021 Received Temperature: 22.9 Location Descr: F2

	PARAMET				LIFIER		ANALYSIS		
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL .	ANALY	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC E	Batch 1933	71							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.1546	ppbV		KL	10/21/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.0781	ppbV	0.016	KL	10/21/2021		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	72.636	ug/m3		KL	10/21/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1408	ug/m3	0.0288	KL	10/21/2021		

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 the

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

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Sample ID: AK87170 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

Date Collected: 10/1/2021 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Canister Number: 110343 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 9/27/2021 Atlanta, GA 30354 Received By: KL Date Received: 10/5/2021 Sample ID: AK87171 Time Received: 10:47 AM Facility Name: ETO DATA STUDY Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 12/16/2021 Received Temperature: 22.4 Location Descr:

F	PARAMET	ER EPA		QUA	LIFIER		ANALYSIS	MCL	or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL .	ANALY:	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC Ba	atch 19307	70							
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.5021	ppbV		KL	10/5/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.2287	ppbV	0.016	KL	10/5/2021		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	67.9686	ug/m3		KL	10/5/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.4122	ug/m3	0.0288	KL	10/5/2021		

COMMENTS: \$ETO received in the lab at 11 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: Kristy Hrehor 470-524-0689 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: AK87171 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

	Date Collected: Time Collected:	10/13/2021 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 10 10 100	Date Received:	10/21/2021
Sample ID: AK87852 Facility Name: COBB S2	Time Received:	11:33 AM
Site ID: S2	Project:	DATA STUDY
Location ID: QCCAN Location Descr: S2	Reporting Date: Received Temperature:	12/16/2021 21.9 °C

ANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL	ANALY	ANALYSIS ST DATE	MCL QC R	
ETO by EPA Method TO-15 QC E	Batch 19348	B1							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.5403	ppbV		KL	10/26/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.1772	ppbV	0.016	KL	10/26/2021		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	75.3949	ug/m3		KL	10/26/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3194	ug/m3	0.0288	KL.	10/26/2021		

COMMENTS: \$ETO received in the lab at 1 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: Kristy Hrehor 470-524-0689 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: AK87852 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

	Date Collected:	10/13/2021
	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 AVOTORO	Date Received:	10/21/2021
Sample ID: AK87853 Facility Name: COBB S7 SA	Time Received:	11:33 AM
Site ID: S7	Project:	DATA STUDY
Location ID:	Reporting Date:	12/16/2021
Location Descr: S7	Received Temperature:	20.1 °C

F ANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL	ANALY	ANALYSIS ST DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC Ba	atab 10249	04		O.M.TO			<u> </u>		
•									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	10.4631	ppbV		KL	10/26/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.1614	ppbV	0.016	KL	10/26/2021		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	74.8427	ug/m3		KL	10/26/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2909	ug/m3	0.0288	KL	10/26/2021		

COMMENTS: \$ETO received in the lab at 0.6 psi.

ug/L: micrograms/liter mg/L: milligrams/kilogram ug/kg: milligrams/kilogram ug/g: 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: Kristy Hrehor 470-524-0689 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: AK87853 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

	Date Collected:	10/13/2021
	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 AVOTOFA	Date Received:	10/21/2021
Sample ID: AK87854 Facility Name: COBB S6 SA	Time Received:	11:33 AM
Site ID: S6	Project:	DATA STUDY
Location ID:	Reporting Date:	12/16/2021
Location Descr: S6	Received Temperature:	24.9 °C

ANALYTE	PARAMETE CODE	R EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL	ANALY	ANALYSIS ST DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19348	1							
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	10.6073	ppbV		KL	10/26/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.1987	ppbV	0.016	KL	10/26/2021		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	75.8741	ug/m3		KL	10/26/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3582	ug/m3	0.0288	KL	10/26/2021		

COMMENTS: \$ETO received in the lab at 0.8 psi.

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

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

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

Laboratory Contacts:

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Kristy Hrehor 470-524-0689 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: AK87854 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

	Date Collected:	10/13/2021
	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 LIB AVOTOE	Date Received:	10/21/2021
Sample ID: AK87855 Facility Name: COVINGTON C2	Time Received:	11:33 AM
Site ID: C2	Project:	DATA STUDY
Location ID:	Reporting Date:	12/16/2021
Location Descr: C2	Received Temperature:	19.8 °C

I ANALYTE	PARAMETEI CODE	R EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL	ANALY	ANALYSIS ST DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 193481								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	10.6457	ppbV		KL	10/26/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.0635	ppbV	0.016	KL	10/26/2021		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	76.1488	ug/m3		KL	10/26/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1145	ug/m3	0.0288	KL	10/26/2021		

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
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:

abbiatory Conta	CIS.	
Lab Director:	Mark Tolbert	470-524-0577
Inorganics:	Kristy Hrehor	470-524-0689
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: AK87855 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

	Date Collected:	10/13/2021
	Time Collected:	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:	
Allanta, GA 30304	Received By:	HZ
Comple ID: AV07056	Date Received:	10/21/2021
Sample ID: AK87856 Facility Name: COVINGTON C7 SA	Time Received:	11:33 AM
Site ID: C7	Project:	DATA STUDY
Location ID:	Reporting Date:	12/16/2021
Location Descr: C7	Received Temperature:	21.1 °C

FANALYTE	PARAMETE CODE	R EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL	ANALY	ANALYSIS ST DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC Ba	atch 19348 ²	1							
Bromofluorobenzene(Surrogate QC Std		EPA TO-15	10.3917	ppbV		KL	10/26/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.0827	ppbV	0.016	KL	10/26/2021		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	74.332	ug/m3		KL	10/26/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1491	ug/m3	0.0288	KL	10/26/2021		

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: Kristy Hrehor 470-524-0689 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: AK87856 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

Date Collected: 10/13/2021 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: 10/21/2021 Sample ID: AK87857 Time Received: 11:33 AM Facility Name: FULTON F1 SA Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 12/16/2021 Received Temperature: 20.3 Location Descr: F1

	PARAMET	ER EPA		QUA	LIFIER		ANALYSIS	MCL	or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL A	ANALY	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC E	Batch 1934	81							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.0915	ppbV		KL	10/26/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.1493	ppbV	0.016	KL	10/26/2021		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	72.1846	ug/m3		KL	10/26/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2691	ug/m3	0.0288	KL	10/26/2021		

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 Inorganics: Kristy Hrehor 470-524-0689 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: AK87857 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

Date Collected: 10/13/2021 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: 10/21/2021 Sample ID: AK87858 Time Received: 11:33 AM Facility Name: FULTON F2 Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 12/16/2021 Received Temperature: 22.5 Location Descr: F2

PAF		METER EPA		QUALIFIER			ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL .	ANALY	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC E	Batch 1934	81							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.6174	ppbV		KL	10/26/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.2171	ppbV	0.016	KL	10/26/2021		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	75.9464	ug/m3		KL	10/26/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3913	ug/m3	0.0288	KL	10/26/2021		

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: Kristy Hrehor 470-524-0689 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: AK87858 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

	Date Collected:	10/31/2021
	Time Collected:	0:00
TO: Ga EPD Air Program	Sample Collector:	J. BRYANT
EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	HZ
O LIB AVGOSOO	Date Received:	11/16/2021
Sample ID: AK88022 Facility Name: COBB S2	Time Received:	9:32 AM
Site ID: S2	Project:	DATA STUDY
Location ID: QCCAN	Reporting Date:	12/16/2021
Location Descr: S2	Received Temperature:	21.5 °C

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL	ANALY	ANALYSIS ST DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC E	Batch 1938	08							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	11.1011	ppbV		KL	11/16/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.0547	ppbV	0.016	KL	11/16/2021		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	79.4063	ug/m3		KL	11/16/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0986	ug/m3	0.0288	KL	11/16/2021		

COMMENTS: \$ETO received in the lab at 8 in Hg.

ug/L: micrograms/liter mg/L: milligrams/kilogram ug/kg: milligrams/kilogram ug/g: 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: Kristy Hrehor 470-524-0689 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: AK88022 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

	Date Collected: Time Collected:	10/27/2021 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:					
	Received By:	HZ				
Sample ID: AK88023	Date Received:	11/16/2021				
Facility Name: COBB S2 FB	Time Received:	9:32 AM				
Site ID: S2	Project:	DATA STUDY				
Location ID:	Reporting Date:	12/16/2021				
Location Descr: S2	Received Temperature:	21.4 °C				

ANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	RESULT	QI UNITS	JALIFIE		ANALY	ANALYSIS ST DATE	MCL QC R	
ETO by EPA Method TO-15 QC B	atch 19387	7 4								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.9756	ppbV			KL	11/18/2021	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.016	KL	11/18/2021		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	71.3556	ug/m3			KL	11/18/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0288	3 KL	11/18/2021		

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:	Kristy Hrehor	470-524-0689
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: AK88023 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

	Date Collected:	10/31/2021			
	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 AVOGGO	Date Received:	11/16/2021			
Sample ID: AK88024 Facility Name: COVINGTON C2	Time Received:	9:32 AM			
Site ID: C2	Project:	DATA STUDY			
Location ID:	Reporting Date:	12/16/2021			
Location Descr: C2	Received Temperature:	21.7 °C			

I ANALYTE	PARAMETER EPA CODE NOTE METHOD RESU		RESULT	QUALIFIER UNITS RL		ANALY	ANALYSIS ST DATE	S MCL or QC Range		
ETO by EPA Method TO-15 QC B	atch 193808									
Bromofluorobenzene(Surrogate QC Std		EPA TO-15	11.0126	ppbV		KL	11/16/2021	8 to	12	
Ethylene Oxide		EPA TO-15	0.1343	ppbV	0.016	KL	11/16/2021			
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	78.7733	ug/m3		KL	11/16/2021	57.22 to	85.84	
Ethylene Oxide		EPA TO-15	0.2421	ug/m3	0.0288	KL	11/16/2021			

COMMENTS: \$ETO received in the lab at 6.5 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: organisma/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:

boratory Contacts.											
Lab Director:	Mark Tolbert	470-524-0577									
Inorganics:	Kristy Hrehor	470-524-0689									
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: AK88024 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

Date Collected: 10/28/2021 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: 11/16/2021 Sample ID: AK88025 Time Received: 9:32 AM Facility Name: COVINGTON C2 FB Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 12/16/2021 Received Temperature: 21.6 Location Descr: C2

1	PARAMETER EPA			QUALIFIER				ANALYSIS	S MCL or QC Range	
ANALYTE	CODE	NOTE METHOD	RESULT UNITS		RL ANALYST DATE					
ETO by EPA Method TO-15 QC B	atch 1938	74								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	9.8026	ppbV			KL	11/18/2021	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.016	KL	11/18/2021		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	70.1181	ug/m3			KL	11/18/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0288	3 KL	11/18/2021		

COMMENTS: \$ETO received in the lab at 28 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

ition

Lab Oirector: Mark To Inorganics: Kristy H Metals: Shene

Mark Tolbert Kristy Hrehor Shene Jones Mary Bowman 470-524-0577 470-524-0689 470-524-0544 470-524-0639

Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

Date Collected: 10/31/2021 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: 11/16/2021 Sample ID: AK88026 Time Received: 9:32 AM Facility Name: FULTON F2 Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 12/16/2021 Received Temperature: 19.7 Location Descr: F2

P	PARAMETER EPA CODE NOTE METHOD R		RESULT	QUA UNITS	LIFIER RL	ANALY	ANALYSIS ST DATE	MCL or QC Range	
				OMITO			-		age
ETO by EPA Method TO-15 QC Ba	itch 19380)8							
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	9.7653	ppbV		KL	11/16/2021	8 to	12
Ethylene Oxide		EPA TO-15	0.2212	ppbV	0.016	KL	11/16/2021		
ETO Results by EPA Method TO-1	5								
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	69.8513	ug/m3		KL	11/16/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3987	ug/m3	0.0288	KL	11/16/2021		

COMMENTS: \$ETO received in the lab at 0.8 psi.

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

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

Lab Director: Mark Tolbert 470-524-0577 Inorganics: Kristy Hrehor 470-524-0689 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: AK88026 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

	Date Collected: Time Collected:	10/27/2021 0:00
TO: On EDD Air Drawns	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	Date Received:	11/16/2021
Sample ID: AK88027 Facility Name: FULTON F2 FB	Time Received:	9:32 AM
Site ID: F2	Project:	DATA STUDY
Location ID: Location Descr: F2	Reporting Date: Received Temperature:	12/16/2021 22.9 °C

1	PARAMETER EPA			QUALIFIER				ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT UNITS			RL ANALYST DATE			QC Range	
ETO by EPA Method TO-15 QC B	atch 1938	74								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	9.9630	ppbV			KL	11/18/2021	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.016	KL	11/18/2021		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	71.2655	ug/m3			KL	11/18/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0288	3 KL	11/18/2021		

COMMENTS: \$ETO received in the lab at 28 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: Kristy Hrehor 470-524-0689 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: AK88027 Page 1

5804 Peachtree Corners East, Norcross, GA 30092-3403 (678) 248-7383

LABORATORY REPORT

Date Collected: 10/31/2021 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: 10/6/2021 Atlanta, GA 30354 Received By: ΗZ Date Received: 11/2/2021 Sample ID: AK88029 Time Received: 10:43 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Reporting Date: Location ID: 12/16/2021 Received Temperature: 21.9 Location Descr:

		RESULT	QUA UNITS		ANALYS		MCL QC R	
tch 19360	3							
	EPA TO-15	10.1956	ppbV		KL	11/2/2021	8 to	12
	EPA TO-15	0.0676	ppbV	0.016	KL	11/2/2021		
5								
	EPA TO-15	72.9292	ug/m3		KL	11/2/2021	57.22 to	85.84
	EPA TO-15	0.1219	ug/m3	0.0288	KL	11/2/2021		
b at 3 in Ho	J.							
	CODE tch 19360	CODE NOTE METHOD tch 193603 EPA TO-15 EPA TO-15 EPA TO-15	CODE NOTE METHOD RESULT tch 193603 EPA TO-15 10.1956 EPA TO-15 0.0676 EPA TO-15 72.9292 EPA TO-15 0.1219	CODE NOTE METHOD RESULT UNITS tch 193603 EPA TO-15 10.1956 ppbV EPA TO-15 0.0676 ppbV 5 EPA TO-15 72.9292 ug/m3 EPA TO-15 0.1219 ug/m3	CODE NOTE METHOD RESULT UNITS RL A tch 193603 EPA TO-15 10.1956 ppbV EPA TO-15 0.0676 ppbV 0.016 EPA TO-15 72.9292 ug/m3 EPA TO-15 0.1219 ug/m3 0.0288	CODE NOTE METHOD RESULT UNITS RL ANALYS tch 193603 EPA TO-15 10.1956 ppbV KL EPA TO-15 0.0676 ppbV 0.016 KL 5 EPA TO-15 72.9292 ug/m3 KL EPA TO-15 0.1219 ug/m3 0.0288 KL	CODE NOTE METHOD RESULT UNITS RL ANALYST DATE tch 193603 EPA TO-15 10.1956 ppbV KL 11/2/2021 EPA TO-15 0.0676 ppbV 0.016 KL 11/2/2021 5 EPA TO-15 72.9292 ug/m3 KL 11/2/2021 EPA TO-15 0.1219 ug/m3 0.0288 KL 11/2/2021	CODE NOTE METHOD RESULT UNITS RL ANALYST DATE QC R. tch 193603 EPA TO-15 10.1956 ppbV KL 11/2/2021 8 to EPA TO-15 0.0676 ppbV 0.016 KL 11/2/2021 EPA TO-15 72.9292 ug/m3 KL 11/2/2021 57.22 to EPA TO-15 0.1219 ug/m3 0.0288 KL 11/2/2021

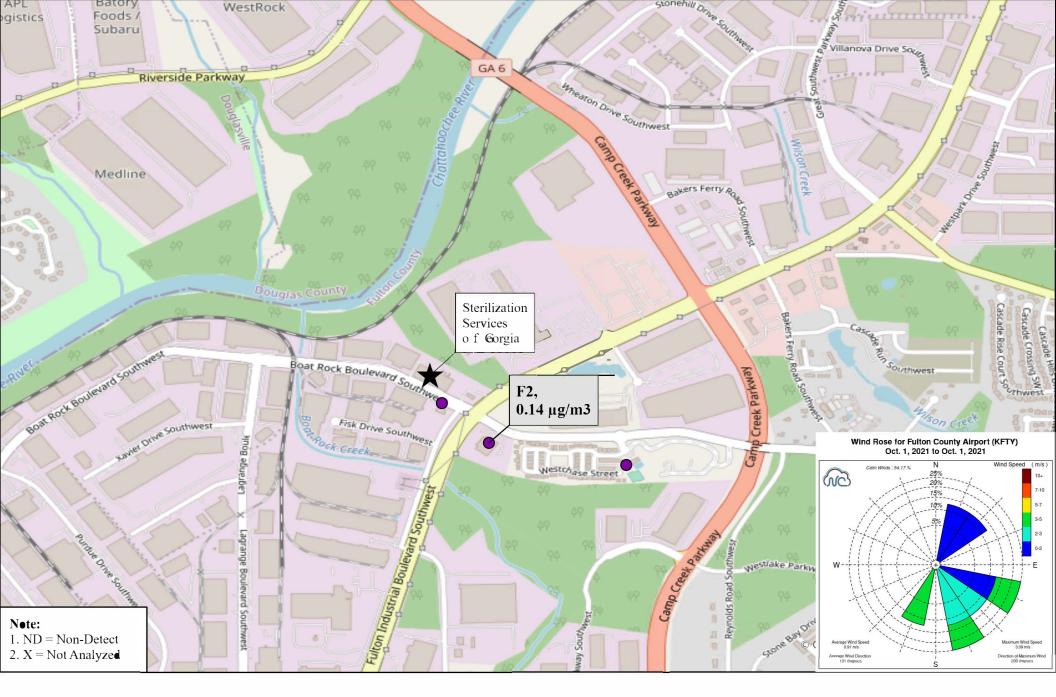
ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
org/l: organisms/liter

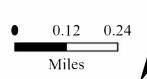
<: less than
MCL: Maximum Contaminant Level
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LSPC: result less than lower specification USPC: result greater than upper specification TIE: Tentatively Identified or Estimated VIOL: Violation (result exceeds MCL) **Laboratory Contacts:**

aboratory Contacts.									
Lab Director:	Mark Tolbert	470-524-0577							
Inorganics:	Kristy Hrehor	470-524-0689							
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: AK88029 Page 1





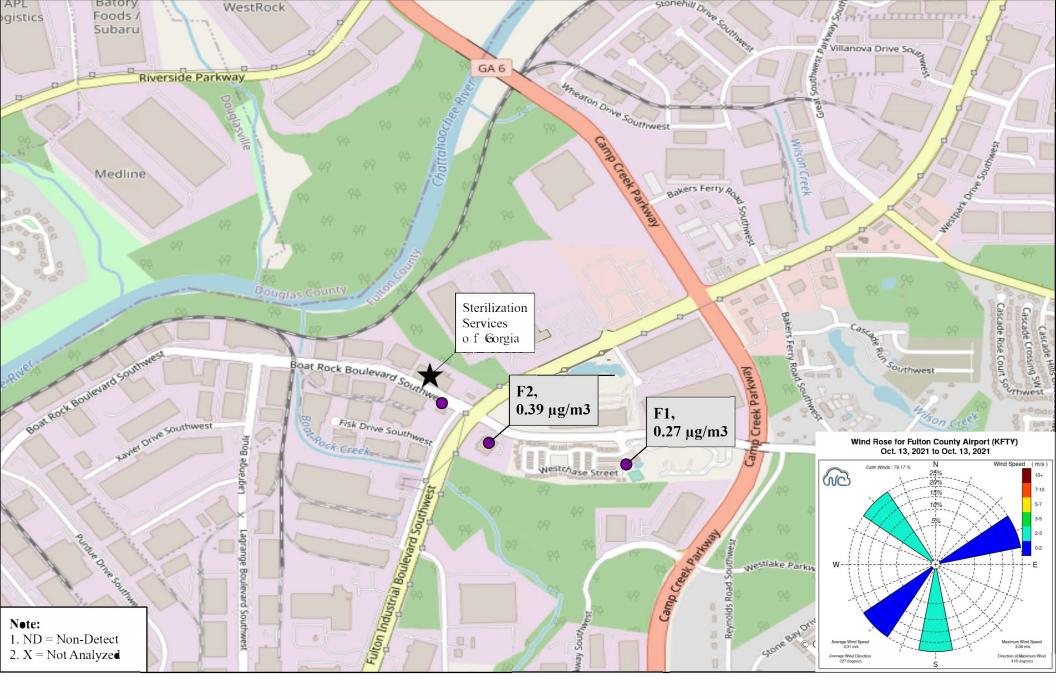
Site ID, Concentration (µg/m3)

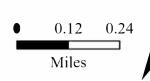
Ethylene Oxide Sampling Fulton County, GA

10/01/2021

Sampled By: Georgia Environmental Protection Division Analyzed By: GA EPD Laboratory







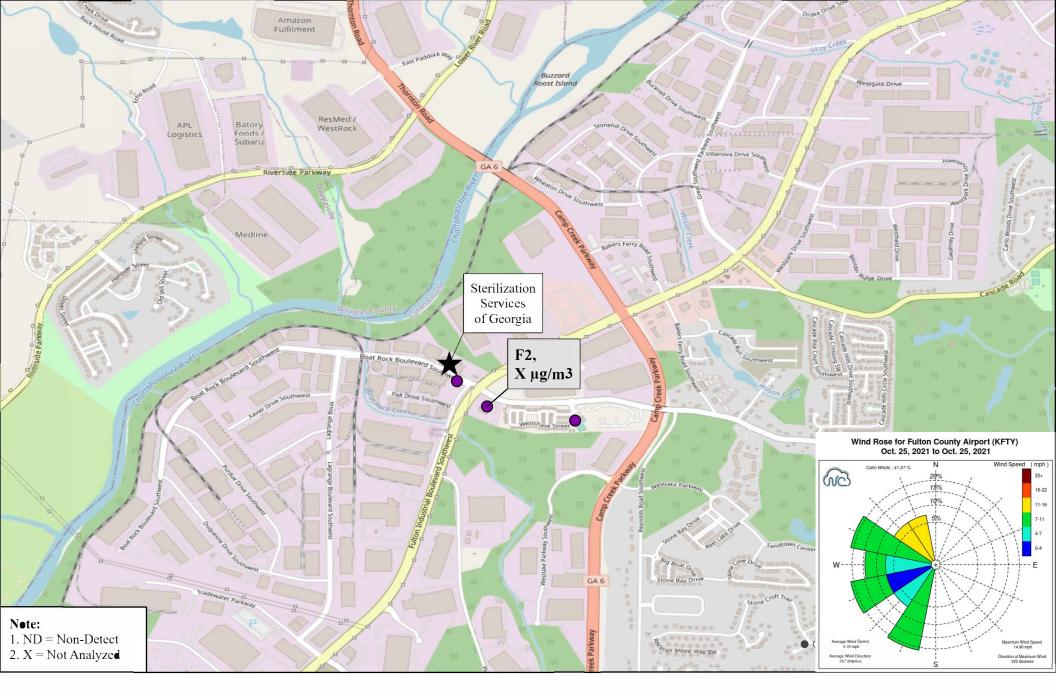
Site ID, Concentration (µg/m3)

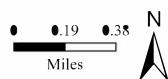
Ethylene Oxide Sampling Fulton County, GA

10/13/2021

Sampled By: Georgia Environmental Protection Division Analyzed By: GA EPD Laboratory







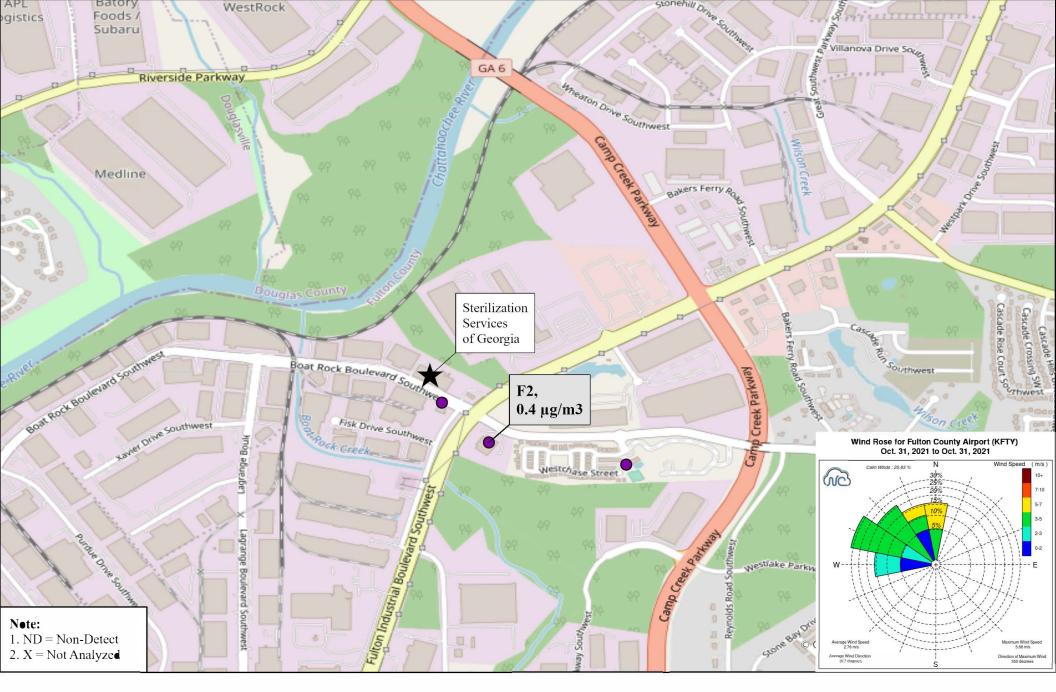
Site ID, Concentration (µg/m3)

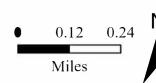
Ethylene Oxide Sampling Fulton, GA

10/25/2021

Sampled By: Georgia Environmental Protection Division Analyzed By: GA EPD Laboratory







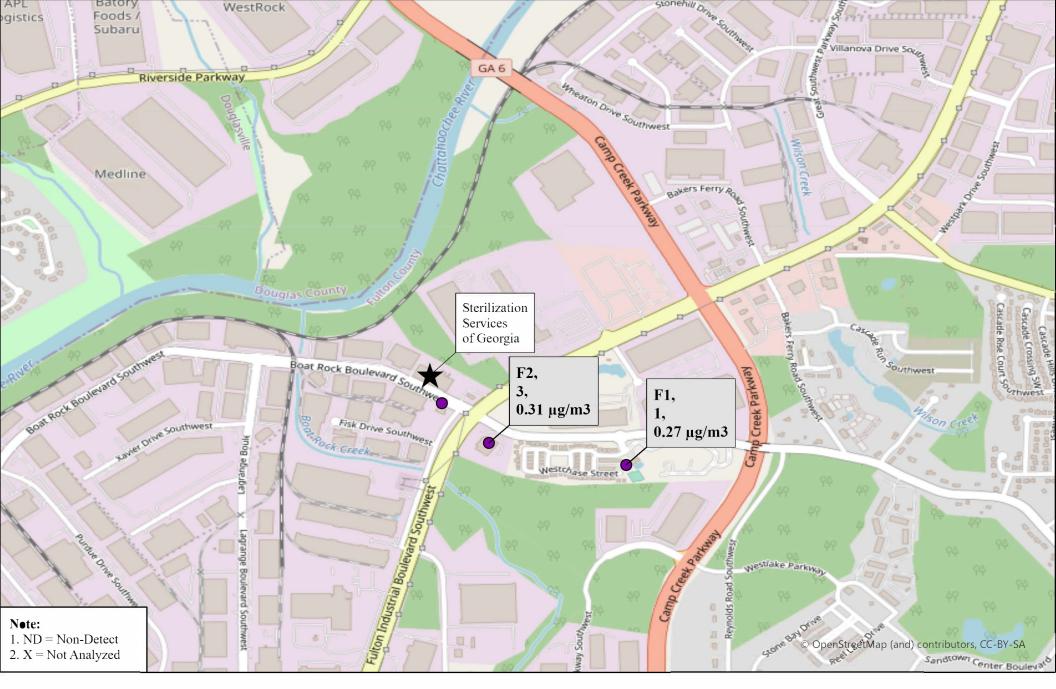
Site ID, Concentration (μg/m3)

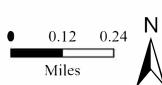
Ethylene Oxide Sampling Fulton County, GA

10/31/2021

Sampled By: Georgia Environmental Protection Division Analyzed By: GA EPD Laboratory







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

October 2021 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: GA EPD Laboratory

