

### Environmental Protection Division

April 17, 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, Air Branch Chief

Through: DeAnna Oser, Assistant Air Branch Chief

From: Jaime Gore, Operations 1 Unit Manager

RE: Fulton – April 11 – April 23, 2022, Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of April 11 – April 23, 2022, by the Ambient Monitoring Program in the Fulton area to characterize the EtO concentration. Each of the samples were sent to the Georgia Environmental Protection Division Laboratory (EPD) for analysis. The Qualifier code of "2" was given to samples to indicate that the collection deviated from established procedures, but the integrity of the sample was not compromised. The Qualifier code of "SQ" indicates the analysis of the sample was above the method detection limit but below the practical quantification limit.

Location	Date	Qualifier	EtO Concentration (μg/m³)
F2	04/11/2022	SQ	0.10
F2	04/23/2022	2, SQ	0.09
F2-QA	04/11/2022	SQ	0.12
F1-SA	04/23/2022		0.14

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: Time Collected:	4/5/2022 0:00
TO: Ga EPD Air Program	Sample Collector:	H. STREET
EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	HZ
	Date Received:	4/7/2022
Sample ID: AK96416 Facility Name: SOUTH DEKALB	Time Received:	11:52 AM
Site ID: 013-089-0002	Project:	
Location ID:	Reporting Date:	6/27/2022
Location Descr:	Received Temperature:	21.9 °C

	PARAMETER EPA			QUALIFIER			-	NALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 1957	85								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.6363	ppbV			KL	4/8/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0645	ppbV	SQ	0.0232	2 KL	4/8/2022		
ETO Results by EPA Method TO-	·15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	68.9286	ug/m3			KL	4/8/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1163	ug/m3	SQ	0.0418	3 KL	4/8/2022		

COMMENTS: \$ETO received in the lab at 5 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: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AK96416 Page 1

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#### **LABORATORY REPORT**

	Date Collected:	4/11/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	HZ
O LID AVOTES	Date Received:	4/19/2022
Sample ID: AK97554 Facility Name: COBB S2-QA	Time Received:	12:16 PM
Site ID: S2-QA	Project:	DATA STUDY
Location ID: QCCAN	Reporting Date:	6/27/2022
Location Descr:	Received Temperature:	17.9 °C

I	PARAMETE CODE	R EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL A	ΔΝΔΙ Υ	ANALYSIS ST DATE	MCL QC Ra	
ANALITE		11012	KLOOLI	ONTO		\\\\ <u>\</u>	<u> </u>	9071	ango
ETO by EPA Method TO-15 QC B	atch 19597	9							
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.2836	ppbV		KL	4/21/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0985	ppbV	0.0232	KL	4/21/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	66.4057	ug/m3		KL	4/21/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1776	ug/m3	0.0418	KL	4/21/2022		

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

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

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

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

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

Sample ID: AK97554 Page 1

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#### **LABORATORY REPORT**

Date Collected: 4/11/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 4/19/2022 Sample ID: AK97555 Time Received: 12:16 PM Facility Name: COBB S2 Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 6/27/2022 Received Temperature: 20.6 Location Descr:

	PARAMET	ER EPA	QUA		ANALYSIS	MCL or QC Range			
ANALYTE	CODE NOTE METHOD		RESULT	RESULT UNITS RL				ANALY:	ST DATE
ETO by EPA Method TO-15 QC E	Batch 1959	79							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	8.9451	ppbV		KL	4/21/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0862	ppbV	0.0232	KL	4/21/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	63.9844	ug/m3		KL	4/21/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1554	ug/m3	0.0418	KL	4/21/2022		

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

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

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

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

Sample ID: AK97555 Page 1

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#### **LABORATORY REPORT**

	Date Collected: Time Collected:	4/11/2022 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 10 10 10	Date Received:	4/19/2022
Sample ID: AK97556 Facility Name: COVINGTON C2-QA	Time Received:	12:16 PM
Site ID: C2-QA	Project:	DATA STUDY
Location ID: Location Descr:	Reporting Date: Received Temperature:	6/27/2022 18.1 °C

F	PARAMETER EPA			Ql	QUALIFIER			ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	T DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 19597	79								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.4271	ppbV			KL	4/21/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0587	ppbV	SQ	0.0232	KL	4/21/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	67.4322	ug/m3			KL	4/21/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1058	ug/m3	SQ	0.0418	KL	4/21/2022		

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

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

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

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

Laboratory Contacts:

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

Sample ID: AK97556 Page 1

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#### **LABORATORY REPORT**

	Date Collected:	4/11/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	HZ
O LID AVOTEST	Date Received:	4/19/2022
Sample ID: AK97557 Facility Name: COVINGTON C2	Time Received:	12:16 PM
Site ID: C2	Project:	DATA STUDY
Location ID:	Reporting Date:	6/27/2022
Location Descr:	Received Temperature:	23.4 °C

F	PARAMETER 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 B	atch 19597	79								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.3729	ppbV			KL	4/21/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0689	ppbV	SQ	0.0232	KL	4/21/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	67.0445	ug/m3			KL	4/21/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1242	ug/m3	SQ	0.0418	KL	4/21/2022		

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

Sample ID: AK97557 Page 1

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#### **LABORATORY REPORT**

	Date Collected:	4/11/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	HZ
O LID AVOTES	Date Received:	4/19/2022
Sample ID: AK97558 Facility Name: FULTON F2	Time Received:	12:16 PM
Site ID: F2	Project:	DATA STUDY
Location ID:	Reporting Date:	6/27/2022
Location Descr:	Received Temperature:	22.1 °C

F	PARAMETER EPA			Ql	QUALIFIER			ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	T DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 19597	79								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	8.8804	ppbV			KL	4/21/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0557	ppbV	SQ	0.0232	KL	4/21/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	63.5216	ug/m3			KL	4/21/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1004	ug/m3	SQ	0.0418	KL	4/21/2022		

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

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

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

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

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

Sample ID: AK97558 Page 1

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#### **LABORATORY REPORT**

Date Collected: 4/11/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 4/19/2022 Sample ID: AK97559 Time Received: 12:16 PM Facility Name: FULTON F2-QA Project: **DATA STUDY** Site ID: F2-QA Location ID: Reporting Date: 6/27/2022 Received Temperature: 19.8 Location Descr:

I ANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	RESULT	Ql UNITS	JALIFIE			ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19597	79								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.4089	ppbV			KL	4/21/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0659	ppbV	SQ	0.0232	KL	4/21/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	67.302	ug/m3			KL	4/21/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1188	ug/m3	SQ	0.0418	KL	4/21/2022		

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

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

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

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

Sample ID: AK97559 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 4/11/2022 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: 3/21/2022 Atlanta, GA 30354 Received By: HΖ Date Received: 4/14/2022 Sample ID: AK97560 Time Received: 11:51 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 6/27/2022 Received Temperature: 19.1 Location Descr:

ANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	RESULT	Q UNITS	UALIFIE			ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19592	20								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.5616	ppbV			KL	4/19/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0471	ppbV	SQ	0.0232	KL	4/19/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	68.3942	ug/m3			KL	4/19/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0849	ug/m3	SQ	0.0418	KL	4/19/2022		

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

Sample ID: AK97560 Page 1

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#### **LABORATORY REPORT**

Date Collected: 4/11/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114382 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 3/21/2022 Atlanta, GA 30354 Received By: HΖ Date Received: 4/14/2022 Sample ID: AK97561 Time Received: 11:51 AM Facility Name: SOUTH DEKALB QA Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 6/27/2022 Location Descr: Received Temperature: 21.5

P ANALYTE	ARAMETER EPA CODE NOTE METHO	DD RESULT	Q UNITS	UALIFIE		\NALY:	ANALYSIS ST DATE	MCL QC R	
ETO by EPA Method TO-15 QC Ba	atch 195920								
Bromofluorobenzene(Surrogate QC Std.	) EPA TO-15	8.9646	ppbV			KL	4/19/2022	8 to	12
Ethylene Oxide	EPA TO-15	0.0721	ppbV	SQ	0.0232	KL	4/19/2022		
ETO Results by EPA Method TO-1	15								
Bromofluorobenzene(Surrogate QC Std.	) EPA TO-15	64.1239	ug/m3			KL	4/19/2022	57.22 to	85.84
Ethylene Oxide	EPA TO-15	0.13	ug/m3	SQ	0.0418	KL	4/19/2022		
<b>ETO NATTS QA Replicate Precisio</b>	on								
Ethylene Oxide	EPA TO-15	10.3	%RPD			KL	4/20/2022		25
ETO QA Replicate Result									
Bromofluorobenzene(Surrogate QC Std.	) EPA TO-15	9.0103	ppbV			KL	4/19/2022	8 to	12
Ethylene Oxide	EPA TO-15	0.0799	Vdqq			KL	4/19/2022		

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

Sample ID: AK97561

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

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470-524-0577

470-524-0629

470-524-0544

470-524-0639

470-524-0684

470-524-0709

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

#### **LABORATORY REPORT**

	Date Collected: Time Collected:	4/11/2022 0:00				
TO, O EDD A: D	Sample Collector:	CARYN KNOX				
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:					
4244 International Pkwy Ste 120	Sample Type:					
Atlanta, GA 30354	Received By:	HZ				
Onwell ID: AVOZEGO	Date Received:	4/22/2022				
Sample ID: AK97562 Facility Name: GENERAL COFFEE	Time Received:	9:58 AM				
Site ID: 013-069-0002	Project:	DATA STUDY				
Location ID: QCCAN Location Descr:	Reporting Date: Received Temperature:	6/27/2022 20.1 °C				

	PARAMET	ER EPA		Q	UALIFIE	ER .		ANALYSIS	MCL	or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	T DATE	QC R	ange
ETO by EPA Method TO-15 QC I	Batch 1960	42								
Bromofluorobenzene(Surrogate QC St	:d.)	EPA TO-15	9.0019	ppbV			KL	4/26/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0437	ppbV	SQ	0.0232	2 KL	4/26/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	:d.)	EPA TO-15	64.3907	ug/m3			KL	4/26/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0788	ug/m3	SQ	0.0418	8 KL	4/26/2022		

COMMENTS: \$ETO received in the lab at 22.2 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: Carmen Pyles 470-524-0629 Metals: Shene Jones 470-524-0544 Organics: Mary Bowman 470-524-0639 GC Mass Spec: Ralph Schulz 470-524-0684 Microbiology: Mary Bowman 470-524-0709

Sample ID: AK97562 Page 1

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#### **LABORATORY REPORT**

	Date Collected: Time Collected:	4/17/2022 0:00
TO: Ga EPD Air Program  EPD Air Prot Ambient Monitoring	Sample Collector: Canister Number:	H. STREET 114381
4244 International Pkwy Ste 120 Atlanta, GA 30354	Canister Cleaned: Received By:	3/21/2022 HZ
O LID AVOZEGA	Date Received:	4/19/2022
Sample ID: AK97564 Facility Name: SOUTH DEKALB	Time Received:	12:16 PM
Site ID: 013-089-0002	Project:	AIR
Location ID: Location Descr:	Reporting Date: Received Temperature:	6/27/2022 19.9 °C

ANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	RESULT	Ql UNITS	JALIFIE			ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19597	<b>7</b> 9								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.2185	ppbV			KL	4/21/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0700	ppbV	SQ	0.0232	KL	4/21/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	65.94	ug/m3			KL	4/21/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1262	ug/m3	SQ	0.0418	KL	4/21/2022		

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

Sample ID: AK97564 Page 1

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

#### **LABORATORY REPORT**

	Date Collected: Time Collected:	4/23/2022 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 1/20105	Date Received:	5/4/2022
Sample ID: AK98165 Facility Name: COBB S2	Time Received:	10:52 AM
Site ID: S2	Project:	DATA STUDY
Location ID: QCCAN	Reporting Date:	6/27/2022
Location Descr:	Received Temperature:	21.4 °C

F	PARAMET	ER EPA		Q	UALIFIE	ER		<b>ANALYSIS</b>	MCL	. or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL A	ANALY	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC Ba	atch 19638	30								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.7789	ppbV			KL	5/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0660	ppbV	SQ	0.0232	KL	5/10/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	69.9486	ug/m3			KL	5/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.119	ug/m3	SQ	0.0418	KL	5/10/2022		

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

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

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

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

Laboratory Contacts:

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

Sample ID: AK98165 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	4/23/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program  EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	HZ
0 1 10 41/00400	Date Received:	5/4/2022
Sample ID: AK98166 Facility Name: COBB S7-SA	Time Received:	10:52 AM
Site ID: S7-SA	Project:	DATA STUDY
Location ID:	Reporting Date:	6/27/2022
Location Descr:	Received Temperature:	21.5 °C

ANALYTE	PARAMETE CODE	R EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL A	ANALYS	ANALYSIS DATE	MCL QC R	
ETO by EPA Method TO-15 QC E	Batch 196380	)							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.6797	ppbV		KL	5/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1075	ppbV	0.0232	KL	5/10/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	69.239	ug/m3		KL	5/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1938	ug/m3	0.0418	KL	5/10/2022		

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

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

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

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

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

Sample ID: AK98166 Page 1

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

### **LABORATORY REPORT**

	Date Collected:	4/21/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program  EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	Т
Atlanta, GA 30354	Received By:	HZ
0 1 10 1/00/107	Date Received:	5/4/2022
Sample ID: AK98167 Facility Name: COBB S2, S6-SA, S7-SA FB	Time Received:	10:52 AM
Site ID: S2	Project:	DATA STUDY
Location ID:	Reporting Date:	6/27/2022
Location Descr:	Received Temperature:	21.4 °C

	PARAMETER EPA			QUALIFIER				ANALYSIS	MCL or	
ANALYTE	CODE NOTE METHOD RESULT		UNITS	UNITS RL			ST DATE	QC R	QC Range	
ETO by EPA Method TO-15 QC	Batch 1963	80								
Bromofluorobenzene(Surrogate QC S	td.)	EPA TO-15	10.0278	ppbV			KL	5/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	. KL	5/10/2022		
ETO Results by EPA Method TO	D-15									
Bromofluorobenzene(Surrogate QC S	td.)	EPA TO-15	71.729	ug/m3			KL	5/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL.	5/10/2022		

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

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

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

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

#### **Laboratory Contacts:**

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

Sample ID: AK98167 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	4/23/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	HZ
O LID AVGOVO	Date Received:	5/4/2022
Sample ID: AK98168 Facility Name: COBB S6-SA	Time Received:	10:52 AM
Site ID: S6-SA	Project:	DATA STUDY
Location ID:	Reporting Date:	6/27/2022
Location Descr:	Received Temperature:	21.4 °C

ANALYTE	PARAMETER EPA CODE NOTE METHOD RESULT		RESULT	QUALIFIER UNITS RL				ANALYSIS T DATE	<b>MCL or</b> QC Range	
ETO by EPA Method TO-15 QC B	atch 19638	30								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	9.5419	ppbV			KL	5/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0592	ppbV	SQ	0.0232	KL	5/10/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	68.2533	ug/m3			KL	5/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1067	ug/m3	SQ	0.0418	KL	5/10/2022		

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

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

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

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

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

Sample ID: AK98168 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	4/23/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program  EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	HZ
0 1 10 41/00400	Date Received:	5/4/2022
Sample ID: AK98169 Facility Name: COVINGTON C2	Time Received:	10:52 AM
Site ID: C2	Project:	DATA STUDY
Location ID:	Reporting Date:	6/27/2022
Location Descr:	Received Temperature:	21.7 °C

ANALYTE	PARAMETER EPA CODE NOTE METHOD RESULT			QUA	NAI V	ANALYSIS ST DATE	MCL or QC Range		
ANALTIE	CODE	NOTE METHOD	RESULT	UNITS	RL A	AINAL I	31 DAIL	QC A	ange
ETO by EPA Method TO-15 QC B	atch 196380	0							
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.4731	ppbV		KL	5/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1081	ppbV	0.0232	KL	5/10/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	67.7612	ug/m3		KL	5/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1949	ug/m3	0.0418	KL	5/10/2022		

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

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

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

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

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

Sample ID: AK98169 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 4/23/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 5/4/2022 Sample ID: AK98170 Time Received: 10:52 AM Facility Name: COVINGTON C3-SA Project: **DATA STUDY** Site ID: C3-SA Location ID: Reporting Date: 6/27/2022 Received Temperature: 21.5 Location Descr:

ANALYTE	PARAMETE CODE	R EPA NOTE METHOD	RESULT	QUALIFIER UNITS RL		ANAI Y	ANALYSIS ST DATE	MCL or QC Range	
			KEGGET	ONTO	,		<b>51</b>	4071	ango
ETO by EPA Method TO-15 QC B	atch 196380	)							
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	9.4576	ppbV		KL	5/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0965	ppbV	0.0232	KL	5/10/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	67.6503	ug/m3		KL	5/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1739	ug/m3	0.0418	KL	5/10/2022		

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

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

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

Laboratory Contacts:

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

Sample ID: AK98170 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	4/20/2022
	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:	HZ
- LIB AV00474	Date Received:	5/4/2022
Sample ID: AK98171 Facility Name: COVINGTON C2, C3-SA FB	Time Received:	10:52 AM
Site ID: C2	Project:	DATA STUDY
Location ID:	Reporting Date:	6/27/2022
Location Descr:	Received Temperature:	21.5 °C

ANALYTE	PARAMETE CODE	ER EPA NOTE METHOD	RESULT	QI UNITS	UALIFIE			ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC E	3atch 19638	30								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.9141	ppbV			KL	5/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	5/10/2022		
<b>ETO Results by EPA Method TO</b>	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	70.9157	ug/m3			KL	5/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	5/10/2022		

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

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

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

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

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

Sample ID: AK98171 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 4/23/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 5/4/2022 Sample ID: AK98172 Time Received: 10:52 AM Facility Name: FULTON F2 Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 6/27/2022 Received Temperature: 21.7 Location Descr:

ANALYTE	PARAMETER EPA CODE NOTE METHOD RESULT		RESULT	QUALIFIER UNITS RL				ANALYSIS T DATE	<b>MCL or</b> QC Range	
ETO by EPA Method TO-15 QC B	atch 19638	30								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.7625	ppbV			KL	5/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0524	ppbV	SQ	0.0232	KL	5/10/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	69.8313	ug/m3			KL	5/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0945	ug/m3	SQ	0.0418	KL	5/10/2022		

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

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

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

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

Sample ID: AK98172 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	4/21/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	Т
Atlanta, GA 30354	Received By:	HZ
	Date Received:	5/4/2022
Sample ID: AK98173 Facility Name: FULTON F2, F1-SA FB	Time Received:	10:52 AM
Site ID: F2	Project:	DATA STUDY
Location ID: QCCAN	Reporting Date:	6/27/2022
Location Descr:	Received Temperature:	21.4 °C

ı	PARAMET	ER EPA		Q	UALIFIE	ER		<b>ANALYSIS</b>	MCL	. or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL A	NALY:	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 19638	30								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.9881	ppbV			KL	5/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	5/10/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	71.445	ug/m3			KL	5/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	5/10/2022		

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

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

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

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

**Laboratory Contacts:** 

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

Sample ID: AK98173 Page 1

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

#### **LABORATORY REPORT**

	Date Collected: Time Collected:	4/23/2022 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
Comple ID: AVO0474	Date Received:	5/4/2022
Sample ID: AK98174 Facility Name: FULTON F1-SA	Time Received:	10:52 AM
Site ID: F1-SA	Project:	DATA STUDY
Location ID: Location Descr:	Reporting Date: Received Temperature:	6/27/2022 21.1 °C

	PARAMET			QUA	LIFIER		ANALYSIS	MCL	. or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL .	ANALY	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 1963	80							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.6869	ppbV		KL	5/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0789	ppbV	0.0232	KL	5/10/2022		
ETO Results by EPA Method TO-	·15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	69.2905	ug/m3		KL	5/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1422	ug/m3	0.0418	KL	5/10/2022		

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

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

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

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

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

Sample ID: AK98174 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 4/23/2022 Time Collected: 0:00 Sample Collector: C. KNOX TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 5/13/2022 Sample ID: AK98175 Time Received: 1:27 PM Facility Name: GENERAL COFFEE Project: **DATA STUDY** Site ID: 013-069-0002 Location ID: Reporting Date: 6/27/2022 Received Temperature: 23.5 Location Descr:

	PARAMET				UALIFII			ANALYSIS	MCL	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	TDATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 1966	36								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.4445	ppbV			HZ	5/17/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0793	ppbV	2	0.0232	2 HZ	5/17/2022		
ETO Results by EPA Method TO-	-15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	67.5566	ug/m3			HZ	5/17/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1429	ug/m3	2	0.0418	B HZ	5/17/2022		

COMMENTS: \$ETO received in the lab at 22 psi. Pressure difference of >0.5 psi between receipt from field and receipt in lab.

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

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

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

Sample ID: AK98175 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 4/23/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 110343 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 4/4/2022 Atlanta, GA 30354 Received By: HΖ Date Received: 4/26/2022 Sample ID: AK98176 Time Received: 11:42 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 6/27/2022 Received Temperature: 20.4 Location Descr:

ANALYTE	PARAMETE CODE	ER EPA NOTE METHOD	RESULT	QI UNITS	JALIFIE			ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC B	atch 19610	7								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.4427	ppbV			KL	4/28/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0647	ppbV	SQ	0.0232	KL	4/28/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	67.5437	ug/m3			KL	4/28/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1166	ug/m3	SQ	0.0418	KL	4/28/2022		

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

Sample ID: AK98176 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 4/29/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114391 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 4/4/2022 Atlanta, GA 30354 Received By: ΗZ Date Received: 5/4/2022 Sample ID: AK98177 Time Received: 10:52 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Reporting Date: Location ID: 6/27/2022 Received Temperature: 21.4 Location Descr:

PA ANALYTE	RAMETE CODE	R EPA NOTE METHOD	RESULT	UNITS	QUALIFIER RL	ANALY	ANALYSIS ST DATE	MCL QC R	
ETO by EPA Method TO-15 QC Bato	ch 196380	)							
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	9.8079	ppbV		KL	5/11/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0754	ppbV	0.0232	2 KL	5/11/2022		
<b>ETO Results by EPA Method TO-15</b>									
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	70.156	ug/m3		KL	5/11/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1359	ug/m3	0.0418	3 KL	5/11/2022		
COMMENTS: \$ETO received in the lab	at 5.6 psi.								

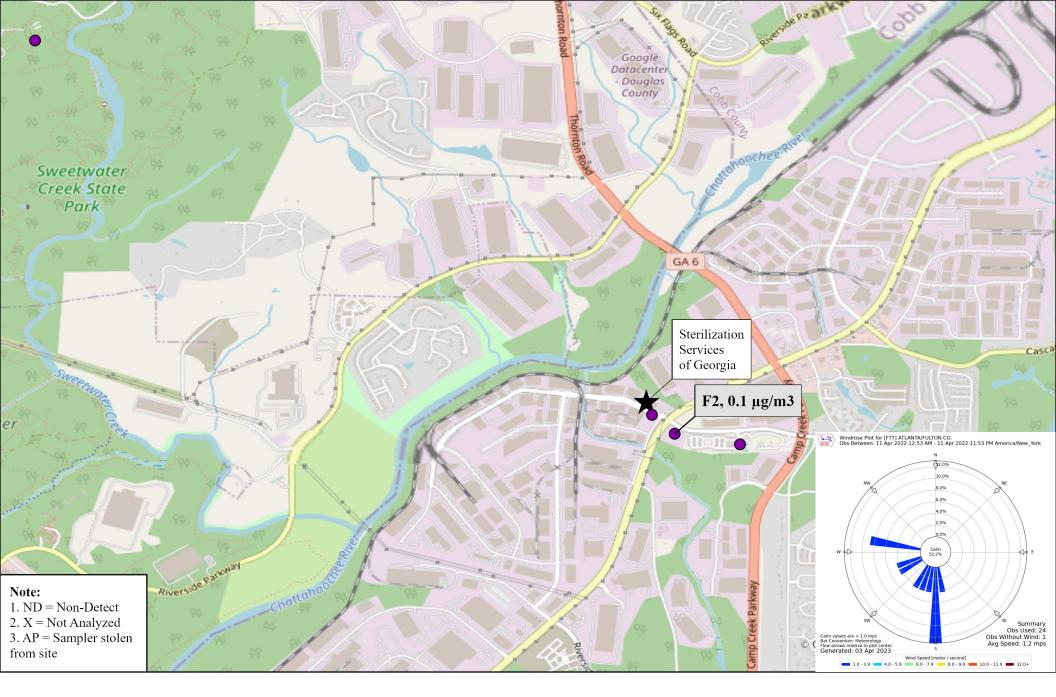
ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
ora/l · organisms/liter

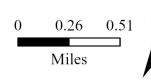
<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit

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

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

Sample ID: AK98177 Page 1





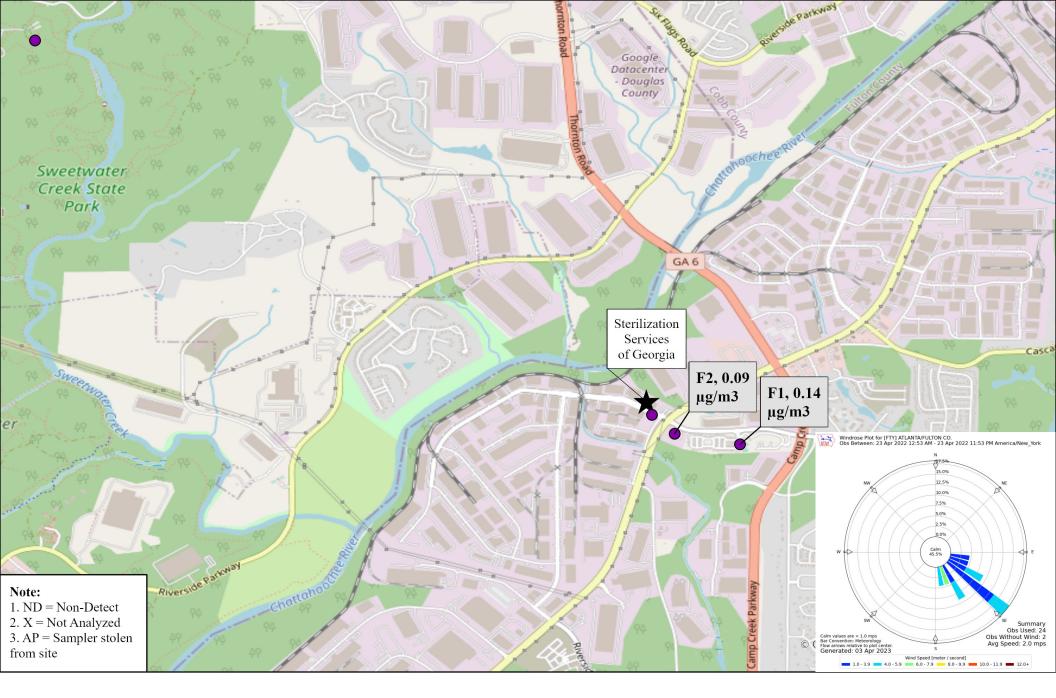
Site ID, Concentration (µg/m3)

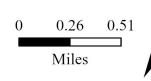
Ethylene Oxide Sampling Fulton County, GA

04/11/2022

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







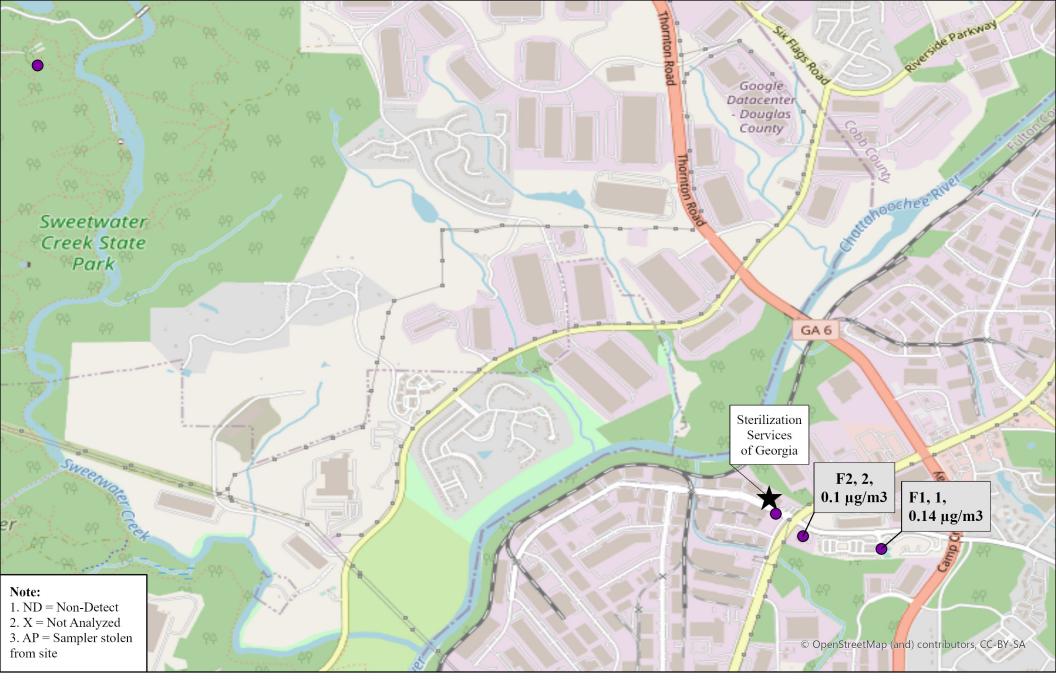
Site ID, Concentration (µg/m3)

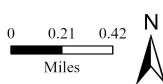
Ethylene Oxide Sampling Fulton County, GA

04/23/2022

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

April 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