

### ENVIRONMENTAL PROTECTION DIVISION

**EPD Director's Office** 

Richard E. Dunn, Director

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

February 14, 2023

#### **MEMORANDUM**

To: Karen Hays, Air Branch Chief

Through: James Boylan, Assistant Branch Chief

Through: DeAnna Oser, Ambient Monitoring Program Manager

From: Jaime Gore, Operations 1 Unit Manager

RE: Cobb – January 5 – January 29, 2022, Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of January 5 – January 29, 2022, by the Ambient Monitoring Program in the Cobb area to characterize the EtO concentration. Each of the samples were sent to the Georgia Environmental Protection Division Laboratory (EPD) for analysis. The Qualifier code of "SQ" indicates the analysis of the sample was above the method detection limit but below the practical quantification limit. The Qualifier code of "MD" indicates the analysis of the sample was below the method detection limit. The Qualifier code of "3" was given to samples to indicate that integrity of the field data may have been compromised. The Qualifier code of "2" was given to samples to indicate that the collection deviated from established procedures, but the integrity of the sample was not compromised.

Location	Date	Qualifier	EtO Concentration (μg/m³)
S2	01/05/2022	2, 3	0.22
S2	01/17/2022	SQ, 3	0.05
S2	01/29/2022	MD, 2, 3	0.04
S2 QA	01/05/2022	3	0.19
S6 SA	01/17/2022	SQ	0.10
S7 SA	01/17/2022	SQ, 2	0.05

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:	1/5/2022 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
Comple ID: AV02505	Date Received:	1/19/2022
Sample ID: AK92585 Facility Name: COBB S2	Time Received:	10:47 AM
Site ID: S2	Project:	DATA STUDY
Location ID: QCCAN Location Descr:	Reporting Date: Received Temperature:	3/18/2022 23.5 °C

-	PARAMETER		DE0!!! T	• -	LIFIER		ANALYSIS	MCL	
ANALYTE	CODE N	NOTE METHOD	RESULI	UNITS	RL A	ANALY	ST DATE	QC Ra	ange
ETO by EPA Method TO-15 QC Ba	atch 194650								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.7044	ppbV		HZ	1/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1235	ppbV	0.0232	HZ	1/20/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	69.4157	ug/m3		HZ	1/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2226	ug/m3	0.0418	HZ	1/20/2022		

COMMENTS: \$ETO received in lab at 1psi.

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: AK92585 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	1/5/2022
	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 AVGOSTO	Date Received:	1/19/2022
Sample ID: AK92586 Facility Name: COBB S2-QA	Time Received:	10:47 AM
Site ID: S2-QA	Project:	DATA STUDY
Location ID:	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	21.9 °C

FANALYTE	PARAMETE CODE I	R EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL /	ΔΝΔΙ Υ	ANALYSIS	MCL QC R	
ANALITE		1012	KLOOLI	ONITS		\\\ <u>\</u>	<b>7</b> 1 - 7 · · · · ·	90711	ango
ETO by EPA Method TO-15 QC Ba	atch 194650	)							
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	10.8678	ppbV		HZ	1/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1069	ppbV	0.0232	HZ	1/20/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	77.7375	ug/m3		HZ	1/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1927	ug/m3	0.0418	HZ	1/20/2022		

COMMENTS: \$ETO received in 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: AK92586 Page 1

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

#### **LABORATORY REPORT**

	Date Collected: Time Collected:	1/5/2022 0:00
TO: Or 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-male ID: AV00507	Date Received:	1/19/2022
Sample ID: AK92587 Facility Name: COVINGTON C2	Time Received:	10:47 AM
Site ID: C2	Project:	DATA STUDY
Location ID: Location Descr:	Reporting Date: Received Temperature:	3/18/2022 21.6 °C

I ANALYTE	PARAMETE CODE	R EPA NOTE METHOD	RESULT	Q UNITS	UALIFIE			ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC B	atch 194650	)								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.9380	ppbV			HZ	1/21/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0610	ppbV	SQ	0.0232	. HZ	1/21/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	71.0866	ug/m3			HZ	1/21/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.11	ug/m3	SQ	0.0418	HZ	1/21/2022		

COMMENTS: \$ETO received in 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: 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: AK92587 Page 1

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#### **LABORATORY REPORT**

	Date Collected:	1/5/2022
	Time Collected:	0:00
TO: Co EDD Air Program	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	HZ
O LID AVGOSTO	Date Received:	1/19/2022
Sample ID: AK92588 Facility Name: COVINGTON C2-QA	Time Received:	10:47 AM
Site ID: C2-QA	Project:	DATA STUDY
Location ID:	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	20.1 °C

PARAMETER EPA		QUA	QUALIFIER		ANALYSIS	MCL or			
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL A	NALY	ST DATE	QC Ra	ange
ETO by EPA Method TO-15 QC E	Batch 1946	50							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.6741	ppbV		HZ	1/21/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0826	ppbV	0.0232	HZ	1/21/2022		
<b>ETO Results by EPA Method TO</b>	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	76.352	ug/m3		HZ	1/21/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1489	ug/m3	0.0418	HZ	1/21/2022		

COMMENTS: \$ETO received in lab at 9.5 in Hg.

ug/L: micrograms/liter mg/L: milligrams/liter mg/kg: milligrams/kilogram ug/kg: micrograms/kilogram ug/g: micrograms/gram ppm: parts per million ppb: parts per billion 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: AK92588 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	1/5/2022
	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 AVGOSTO	Date Received:	1/19/2022
Sample ID: AK92589 Facility Name: FULTON F2	Time Received:	10:47 AM
Site ID: F2	Project:	DATA STUDY
Location ID:	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	23.9 °C

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QU <i>A</i> UNITS	ALIFIER RL A		ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC E	Batch 1946	50							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	11.2666	ppbV		HZ	1/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1430	ppbV	0.0232	HZ	1/20/2022		
<b>ETO Results by EPA Method TO</b>	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	80.5901	ug/m3		HZ	1/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2578	ug/m3	0.0418	HZ	1/20/2022		

COMMENTS: \$ETO received in 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: AK92589 Page 1

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

### **LABORATORY REPORT**

	Date Collected:	1/5/2022
	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 AVGOSTO	Date Received:	1/19/2022
Sample ID: AK92590 Facility Name: FULTON F2-QA	Time Received:	10:47 AM
Site ID: F2-QA	Project:	DATA STUDY
Location ID:	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	20.7 °C

		QUA	LIFIER		ANALYSIS	MCL or			
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL A	ANALYS	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC E	Batch 1946	50							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.8208	ppbV		HZ	1/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1439	ppbV	0.0232	HZ	1/20/2022		
<b>ETO Results by EPA Method TO</b>	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	70.2483	ug/m3		HZ	1/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2594	ug/m3	0.0418	HZ	1/20/2022		

COMMENTS: \$ETO received in lab at 1psi.

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: AK92590 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/5/2022 Time Collected: 0:00 Sample Collector: C. CULBERT 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: 1/14/2022 Sample ID: AK92592 Time Received: 7:56 AM Facility Name: DOUGLAS - GENERAL COFFEE Project: **DATA STUDY** Site ID: 013-069-0002 Location ID: Reporting Date: 3/18/2022 Received Temperature: 17.9 Location Descr:

I ANALYTE	PARAMETER CODE N	EPA OTE METHOD	RESULT	QI UNITS	JALIFIE		ANALYS	ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 194650									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.8856	ppbV			HZ	1/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0471	ppbV	SQ 2	0.0232	2 HZ	1/20/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	70.7147	ug/m3			HZ	1/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0849	ug/m3	SQ 2	0.0418	B HZ	1/20/2022		

COMMENTS: \$D\_ETO received in the lab at 23 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: AK92592 Page 1

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#### **LABORATORY REPORT**

	Date Collected:	1/6/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	H. STREET
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Canister Number:	114313
4244 International Pkwy Ste 120	Canister Cleaned:	12/14/2021
Atlanta, GA 30354	Received By:	HZ
O LID AVGOSTO	Date Received:	1/13/2022
Sample ID: AK92593 Facility Name: SOUTH DEKALB TEST	Time Received:	9:59 AM
Site ID: 013-089-0002	Project:	AIR
Location ID:	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	12.7 °C

FANALYTE	ARAMETER EPA CODE NOTE METHOD RESULT			QUA UNITS	ΔΝΔΙ Υ	ANALYSIS	MCL or QC Range		
ANALITE	OODL	NOTE METHOD	KESULI	UNITS	RL A	ANAL I	) DAIL	QC A	arige
ETO by EPA Method TO-15 QC B	atch 194650	)							
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	10.2619	ppbV		HZ	1/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0750	ppbV	0.0232	HZ	1/20/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	73.4035	ug/m3		HZ	1/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1352	ug/m3	0.0418	HZ	1/20/2022		

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

<: 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: AK92593 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	1/5/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	H. STREET
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Canister Number:	111207
4244 International Pkwy Ste 120	Canister Cleaned:	12/14/2021
Atlanta, GA 30354	Received By:	HZ
O LID ALCOSOL	Date Received:	1/7/2022
Sample ID: AK92594 Facility Name: SOUTH DEKALB	Time Received:	10:00 AM
Site ID: 013-089-0002	Project:	AIR
Location ID:	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	21.5 °C

F	ARAMETER EPA			QUA		ANALYSIS		. or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL A	NALYS	T DATE	QC R	ange
ETO by EPA Method TO-15 QC Ba	atch 19445	0							
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.5809	ppbV		KL	1/7/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0747	ppbV	0.0232	KL	1/7/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	68.5323	ug/m3		KL	1/7/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1347	ug/m3	0.0418	KL	1/7/2022		

COMMENTS: \$ETO received in the lab at 5.2 psi.

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: AK92594 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/6/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 110342 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 12/14/2021 Canister Cleaned: Atlanta, GA 30354 Received By: ΗZ Date Received: 1/13/2022 Sample ID: AK92595 Time Received: 9:59 AM Facility Name: SOUTH DEKALB TEST Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 3/18/2022 Received Temperature: 13.0 Location Descr:

I ANALYTE	PARAMETER CODE N	R EPA NOTE METHOD	RESULT	QI UNITS	JALIFIE			ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 194650	1								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	10.0021	ppbV			HZ	1/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0568	ppbV	SQ	0.0232	HZ	1/20/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	71.5451	ug/m3			HZ	1/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1024	ug/m3	SQ	0.0418	HZ	1/20/2022		

COMMENTS: \$ETO received in the lab at 2.5 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: AK92595 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/5/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 1/7/2022 Sample ID: AK92596 Time Received: 10:00 AM Facility Name: SOUTH DEKALB QA Project: Site ID: 013-089-0002 Reporting Date: Location ID: 3/18/2022 Location Descr: Received Temperature: 19.6

					•				
ANALYTE	PARAMETER CODE NO	EPA OTE METHOD	RESULT	QUA UNITS	LIFIER RL /		ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	AL	ppbV		KL	1/7/2022	8 to	12
Ethylene Oxide		EPA TO-15	AL	ppbV	0.0232	KL	1/7/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	AL	ug/m3		KL	1/7/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	AL	ug/m3	0.0418	KL	1/7/2022		

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

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

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

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: AK92596 Page 1

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

#### **LABORATORY REPORT**

	Date Collected: Time Collected:	1/12/2022 0:00
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Sample Collector: Canister Number:	H. STREET 114386
	Canister Cleaned: Received By:	12/14/2021 HZ
O-mark ID: AV00507	Date Received:	1/19/2022
Sample ID: AK92597	Time Received:	10:47 AM
Facility Name: SOUTH DEKALB TEST Site ID: 013-089-0002	Project:	AIR
Location ID: Location Descr:	Reporting Date: Received Temperature:	3/18/2022 19.6 °C

	PARAMET	ER EPA		QUA	LIFIER		ANALYSIS	MCL	or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL A	ANALY	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC E	Batch 1946	50							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.5281	ppbV		HZ	1/20/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1589	ppbV	0.0232	HZ	1/20/2022		
<b>ETO Results by EPA Method TO</b>	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	75.3076	ug/m3		HZ	1/20/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2864	ug/m3	0.0418	HZ	1/20/2022		

COMMENTS: \$ETO received in lab at 1.5 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

VIOL: Violation (result exceeds MCL)

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

**Laboratory Contacts:** 

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

Sample ID: AK92597 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/12/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114378 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 12/14/2021 Atlanta, GA 30354 Received By: ΗZ Date Received: 1/19/2022 Sample ID: AK92599 Time Received: 10:47 AM Facility Name: SOUTH DEKALB TEST Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 3/18/2022 Received Temperature: 19.9 Location Descr:

	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 1946	50							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	10.0230	ppbV		HZ	1/21/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1363	ppbV	0.0232	HZ	1/21/2022		
<b>ETO Results by EPA Method TO</b>	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	71.6946	ug/m3		HZ	1/21/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2457	ug/m3	0.0418	HZ	1/21/2022		

COMMENTS: \$ETO received in 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: AK92599 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/17/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 2/1/2022 Sample ID: AK92977 Time Received: 11:05 AM Facility Name: COBB S7-SA Project: **DATA STUDY** Site ID: S7-SA Location ID: QCCAN Reporting Date: 3/18/2022 Received Temperature: 14.7 Location Descr:

-	PARAMET			Ql	JALIFIE		-	NALYSIS	MCL	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	DATE	QC R	ange
ETO by EPA Method TO-15 QC Ba	atch 19476	67								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.9610	ppbV			KL	2/3/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0301	ppbV	SQ	0.0232	. KL	2/3/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	71.2511	ug/m3			KL	2/3/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0543	ug/m3	SQ	0.0418	KL	2/3/2022		

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 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: AK92977 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/18/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 110327 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 12/27/2021 Atlanta, GA 30354 Received By: HΖ Date Received: 1/25/2022 Sample ID: AK92978 Time Received: 10:43 AM Facility Name: SOUTH DEKALB TEST Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 3/18/2022 Received Temperature: 19.5 Location Descr:

FANALYTE	PARAMETER CODE N	R EPA	RESULT	QUA UNITS	LIFIER RL A	ΔΝΔΙ Υ	ANALYSIS ST DATE	MCL QC Ra	
ANALITE	1002	101L=	KLOOLI	UNITS		NIAL I	J1	QUAR	ange
ETO by EPA Method TO-15 QC Ba	atch 194683								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	11.0166	ppbV		KL	1/26/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1793	ppbV	0.0232	KL	1/26/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	78.8019	ug/m3		KL	1/26/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3232	ug/m3	0.0418	KL	1/26/2022		

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 <: 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: AK92978 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/17/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 2/1/2022 Sample ID: AK92979 Time Received: 11:06 AM Facility Name: COBB S6-SA Project: **DATA STUDY** Site ID: S6-SA Location ID: Reporting Date: 3/18/2022 Received Temperature: 14.9 Location Descr:

	PARAMET	ER EPA		QI	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 E	Batch 1947	67								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.7611	ppbV			KL	2/3/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0554	ppbV	SQ	0.0232	2 KL	2/3/2022		
<b>ETO Results by EPA Method TO</b>	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	69.8213	ug/m3			KL	2/3/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0999	ug/m3	SQ	0.0418	8 KL	2/3/2022		

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: AK92979 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/17/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 2/1/2022 Sample ID: AK92980 Time Received: 11:05 AM Facility Name: COBB S2 Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 3/18/2022 Received Temperature: 15.8 Location Descr:

I ANALYTE	PARAMETE CODE	R EPA NOTE METHOD	RESULT	Ql UNITS	JALIFIE		ANALYS	ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19476	7								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.7841	ppbV			KL	2/3/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0286	ppbV	SQ	0.0232	. KL	2/3/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	69.9858	ug/m3			KL	2/3/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0516	ug/m3	SQ	0.0418	KL.	2/3/2022		

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 <: 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: AK92980 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/18/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 110258 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 12/27/2021 Atlanta, GA 30354 Received By: HΖ Date Received: 1/25/2022 Sample ID: AK92981 Time Received: 10:43 AM Facility Name: SOUTH DEKALB TEST Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 3/18/2022 Received Temperature: 19.7 Location Descr:

I	PARAMETER CODE N	EPA OTE METHOD	RESULT	QUA UNITS	LIFIER RL A	ΔΝΔΙ Υ	ANALYSIS ST DATE	MCL QC Ra	
ANALITE	0002 14	016 111211102	KLOULI	UNITS	INL A	NAL I	JI DAIL	QUIN	ange
ETO by EPA Method TO-15 QC B	atch 194683								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	10.0208	ppbV		KL	1/26/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1432	ppbV	0.0232	KL	1/26/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	71.6789	ug/m3		KL	1/26/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.2581	ug/m3	0.0418	KL	1/26/2022		

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: AK92981 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/17/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 2/1/2022 Sample ID: AK92982 Time Received: 11:05 AM Facility Name: COVINGTON C3-SA Project: **DATA STUDY** Site ID: C3-SA Location ID: Reporting Date: 3/18/2022 Received Temperature: 15.4 Location Descr:

I ANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	RESULT	QI UNITS	JALIFIE		ANALYS	ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19476									
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	9.9285	ppbV			KL	2/3/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0432	ppbV	SQ	0.0232	KL	2/3/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	71.0187	ug/m3			KL	2/3/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0779	ug/m3	SQ	0.0418	KL	2/3/2022		

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: AK92982 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	1/17/2022
	Time Collected:	0:00
TO: Co EDD Air Brogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120 Atlanta, GA 30354	Sample Type:	
	Received By:	HZ
O LID ALCOCCO	Date Received:	2/1/2022
Sample ID: AK92983 Facility Name: COVINGTON C2	Time Received:	11:05 AM
Site ID: C2	Project:	DATA STUDY
Location ID:	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	15.2 °C

-	PARAMETI CODE	ER EPA NOTE METHOD	DECLUT	• -	LIFIER	A B.I.A.I. V.C	ANALYSIS	MCL	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL /	ANALIS	T DATE	QC Ra	ange
ETO by EPA Method TO-15 QC Ba	atch 19476	<b>67</b>							
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.7919	ppbV		KL	2/3/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0741	ppbV	0.0232	KL	2/3/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	70.0416	ug/m3		KL	2/3/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1336	ug/m3	0.0418	KL	2/3/2022		

COMMENTS: \$ETO received in the lab at 8.5 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: AK92983 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	1/17/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Chlorination:	
	Sample Type:	
	Received By:	HZ
O LID AVGGGGA	Date Received:	2/1/2022
Sample ID: AK92984 Facility Name: FULTON F2	Time Received:	11:05 AM
Site ID: F2	Project:	DATA STUDY
Location ID:	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	15.8 °C

F	PARAMETER EPA			Ql	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 19476	67								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.6886	ppbV			KL	2/3/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0357	ppbV	SQ	0.0232	. KL	2/3/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	69.3027	ug/m3			KL	2/3/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0644	ug/m3	SQ	0.0418	KL	2/3/2022		

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: AK92984 Page 1

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

### **LABORATORY REPORT**

	Date Collected:	1/17/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	KL
O LID AVGGGGG	Date Received:	2/1/2022
Sample ID: AK92989 Facility Name: FULTON F1-SA	Time Received:	11:05 AM
Site ID: F1-SA	Project:	DATA STUDY
Location ID: QCCAN	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	15.4 °C

	PARAMETER EPA			Ql	QUALIFIER			ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS F		RL	L ANALYST DATE		QC Range	
ETO by EPA Method TO-15 QC Ba	atch 19476	67								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.8805	ppbV			KL	2/3/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0334	ppbV	SQ	0.0232	2 KL	2/3/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	70.6753	ug/m3			KL	2/3/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0602	ug/m3	SQ	0.0418	8 KL	2/3/2022		

COMMENTS: \$ETO received in the lab at 8.5 in Hg.

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

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

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

### **Laboratory Contacts:**

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

Sample ID: AK92989 Page 1

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

#### **LABORATORY REPORT**

	Date Collected: Time Collected:	1/17/2022 0:00
TO: Ga EPD Air Program  EPD Air Prot Ambient Monitoring	Sample Collector: Canister Number:	H. STREET 114334
4244 International Pkwy Ste 120 Atlanta, GA 30354	Canister Cleaned: Received By:	12/27/2021 KL
0 L ID Al/2000	Date Received:	1/19/2022
Sample ID: AK92990 Facility Name: SOUTH DEKALB	Time Received:	10:47 AM
Site ID: 013-089-0002	Project:	AIR
Location ID: Location Descr:	Reporting Date: Received Temperature:	3/18/2022 19.8 °C

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QI UNITS	UALIFIE		ANALYS	ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC E	Batch 19465	50								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.7993	ppbV			HZ	1/21/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0410	ppbV	SQ	0.0232	2 HZ	1/21/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	70.0945	ug/m3			HZ	1/21/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0739	ug/m3	SQ	0.0418	B HZ	1/21/2022		

COMMENTS: \$ETO received in lab at 5.4psi.

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: AK92990 Page 1

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

### **LABORATORY REPORT**

	Date Collected:	1/20/2022
	Time Collected:	0:00
TO: Co EDD Air Program	Sample Collector:	H. STREET
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	KL
0 1 10 1/2000	Date Received:	1/25/2022
Sample ID: AK92992 Facility Name: SOUTH DEKALB QA	Time Received:	10:43 AM
Site ID: 013-089-0002	Project:	
Location ID:	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	19.7 °C

ANALYTE	PARAMETE   CODE	R EPA NOTE METHOD	RESULT	QI UNITS	JALIFIE		ANALYS	ANALYSIS ST DATE	MCL QC R	
ETO by EPA Method TO-15 QC E	Satch 194730	)								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.0774	ppbV			KL	2/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0356	ppbV	SQ	0.0232	KL	2/1/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	64.9307	ug/m3			KL	2/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0642	ug/m3	SQ	0.0418	KL	2/1/2022		
<b>ETO NATTS QA Replicate Precis</b>	ion									
Ethylene Oxide		EPA TO-15	1.13	%RPD			KL	2/2/2022		25
ETO QA Replicate Result										
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.1317	ppbV			KL	2/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0352	ppbV	SQ		KL	2/1/2022		

COMMENTS: \$ETO received in the lab at 5.6 psi. This is an ETO makeup sample for 1-11-2022.

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

Sample ID: AK92992 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	1/23/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	H. STREET
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Canister Number:	110321
4244 International Pkwy Ste 120	Canister Cleaned:	12/27/2021
Atlanta, GA 30354	Received By:	KL
O LID AVGGGGA	Date Received:	1/25/2022
Sample ID: AK92994 Facility Name: SOUTH DEKALB	Time Received:	10:43 AM
Site ID: 013-089-0002	Project:	AIR
Location ID:	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	19.3 °C

FANALYTE	PARAMETE CODE	R EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL A	ΔΝΔΙ Υ	ANALYSIS ST DATE	MCL QC Ra	
ANALITE		11012	NEOOL!	ONTO	IL 7	111/1L I	J1	9071	ango
ETO by EPA Method TO-15 QC Ba	atch 19468	3							
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	10.6413	ppbV		KL	1/26/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0740	ppbV	0.0232	KL	1/26/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	76.1173	ug/m3		KL	1/26/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1334	ug/m3	0.0418	KL	1/26/2022		

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

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: AK92994 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	1/20/2022
	Time Collected:	0:00
TO: Co EDD Air Drogram	Sample Collector:	H. STREET
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	KL
O LID AVGGGGE	Date Received:	1/25/2022
Sample ID: AK92995 Facility Name: SOUTH DEKALB	Time Received:	10:43 AM
Site ID: 013-089-0002	Project:	
Location ID:	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	19.7 °C

	PARAMET	ER 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 1947	30								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	8.2866	ppbV			KL	2/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0329	ppbV	SQ	0.0232	2 KL	2/1/2022		
ETO Results by EPA Method TO-	·15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	59.2741	ug/m3			KL	2/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0593	ug/m3	SQ	0.0418	8 KL	2/1/2022		

COMMENTS: \$ETO received in the lab at 5.8 psi. This is an ETO makeup sample for 1-11-2022.

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

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

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

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

Sample ID: AK92995 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/17/2022 Time Collected: 0:00 Sample Collector: C. CULBERT 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: 1/28/2022 Sample ID: AK92996 Time Received: 8:30 AM Facility Name: DOUGLAS - GENERAL COFFEE Project: **DATA STUDY** Site ID: 013-069-0002 Location ID: Reporting Date: 3/18/2022 Received Temperature: 14.0 Location Descr:

PARAMETER EPA				QUALIFIER			,	ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS'	r DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 1947	30								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.6154	ppbV			KL	2/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0223	ppbV	MD 2	0.0232	2 KL	2/1/2022		
ETO Results by EPA Method TO-	·15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	68.7791	ug/m3			KL	2/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0402	ug/m3	MD 2	0.0418	3 KL	2/1/2022		

COMMENTS: \$ETO received in the lab at 23.6 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: AK92996 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/29/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114345 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 1/10/2022 Atlanta, GA 30354 Received By: HΖ Date Received: 2/1/2022 Sample ID: AK93255 Time Received: 11:06 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: QCCAN Reporting Date: 3/18/2022 Received Temperature: 14.7 Location Descr:

I ANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	RESULT	Ql UNITS	JALIFIE		ANALYS	ANALYSIS F DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19476									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.9224	ppbV			KL	2/3/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0206	ppbV	MD	0.0232	. KL	2/3/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	70.975	ug/m3			KL	2/3/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0371	ug/m3	MD	0.0418	KL	2/3/2022		

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: AK93255 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	1/29/2022
	Time Collected:	0:00
TO: Co EDD Air Brogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	HZ
O LID AVGOCOV	Date Received:	2/8/2022
Sample ID: AK93264 Facility Name: FULTON F2	Time Received:	11:18 AM
Site ID: F2	Project:	DATA STUDY
Location ID:	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	23.5 °C

ANALYTE	PARAMETEI CODE	R EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL A	ANALYS	ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC B	atch 194894	ļ							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.6206	ppbV		KL	2/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.2006	ppbV	0.0232	KL	2/10/2022		
ETO Results by EPA Method TO-	-15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	68.8163	ug/m3		KL	2/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3616	ug/m3	0.0418	KL	2/10/2022		

COMMENTS: \$ETO received in the lab at 0 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: AK93264 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/28/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Т Atlanta, GA 30354 Received By: ΗZ Date Received: 2/8/2022 Sample ID: AK93265 Time Received: 11:18 AM Facility Name: FULTON F2 FB Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 3/18/2022 Received Temperature: 24.6 Location Descr:

I	PARAMETI			QI	JALIFIE			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 19489	94								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.8021	ppbV			KL	2/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	2/10/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	70.1145	ug/m3			KL	2/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	2/10/2022		

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: AK93265 Page 1

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

#### **LABORATORY REPORT**

	Date Collected: Time Collected:	1/28/2022 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:	Т
Atlanta, GA 30354	Received By:	HZ
O LID AVGOGGG	Date Received:	2/8/2022
Sample ID: AK93266 Facility Name: COBB S2 FB	Time Received:	11:18 AM
Site ID: S2	Project:	DATA STUDY
Location ID: Location Descr:	Reporting Date: Received Temperature:	3/18/2022 20.3 °C

ANALYTE	PARAMETE CODE	R EPA NOTE METHOD	RESULT	QI UNITS	UALIFIE			ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	Satch 194894	4								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.9345	ppbV			KL	2/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	2/10/2022		
ETO Results by EPA Method TO-	-15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	71.0616	ug/m3			KL	2/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	2/10/2022		

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: AK93266 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/29/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 2/8/2022 Sample ID: AK93267 Time Received: 11:18 AM Facility Name: COBB S2 Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 3/18/2022 Received Temperature: 24.0 Location Descr:

ANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	RESULT	QI UNITS	UALIFIE		ANALYS	ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19489	)4								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.7235	ppbV			KL	2/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0225	ppbV	MD	0.0232	KL	2/10/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	69.5523	ug/m3			KL	2/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0406	ug/m3	MD	0.0418	KL	2/10/2022		

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 <: 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: AK93267 Page 1

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

### **LABORATORY REPORT**

	Date Collected:	1/28/2022 0:00
TO: Ga EPD Air Program	Time Collected: Sample Collector:	J. BRYANT
EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	Т
Atlanta, GA 30354	Received By:	HZ
0	Date Received:	2/8/2022
Sample ID: AK93268 Facility Name: COVINGTON C2 FB	Time Received:	11:18 AM
Site ID: C2	Project:	DATA STUDY
Location ID:	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	21.9 °C

	PARAMETE	R EPA		QI	JALIFIE	R		<b>ANALYSIS</b>	MCL	. or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL A	ANALYS	T DATE	QC R	ange
ETO by EPA Method TO-15 QC E	Batch 194894	ļ.								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.8193	ppbV			KL	2/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	2/10/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	70.2376	ug/m3			KL	2/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	2/10/2022		

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:** 

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: AK93268 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	1/29/2022
	Time Collected:	0:00
TO: Co EDD Air Brogram	Sample Collector:	J. BRYANT
TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120	Sample Type:	
Atlanta, GA 30354	Received By:	HZ
O LID AVGOGGG	Date Received:	2/8/2022
Sample ID: AK93269 Facility Name: COVINGTON C2	Time Received:	11:18 AM
Site ID: C2	Project:	DATA STUDY
Location ID:	Reporting Date:	3/18/2022
Location Descr:	Received Temperature:	20.1 °C

	PARAMET	ER EPA		QI	UALIFIE	ER		ANALYSIS	MCL	or
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC I	Batch 1948	94								
Bromofluorobenzene(Surrogate QC St	:d.)	EPA TO-15	9.6361	ppbV			KL	2/10/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0346	ppbV	SQ	0.0232	. KL	2/10/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	:d.)	EPA TO-15	68.9271	ug/m3			KL	2/10/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0624	ug/m3	SQ	0.0418	KL	2/10/2022		

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: AK93269 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 1/29/2022 Time Collected: 0:00 Sample Collector: C. CULBERT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 2/7/2022 Sample ID: AK93270 Time Received: 7:59 AM Facility Name: DOUGLAS - GENERAL COFFEE Project: **DATA STUDY** Site ID: 013-069-0002 Reporting Date: Location ID: 3/18/2022 Received Temperature: 14.7 Location Descr:

P	ARAMET CODE	ER EPA NOTE METHOD	RESULT	QI UNITS	UALIFIE		ANALYS	ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC Ba	tch 19483	30								
Bromofluorobenzene(Surrogate QC Std.	)	EPA TO-15	10.1897	ppbV			KL	2/8/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0241	ppbV	SQ	0.0232	2 KL	2/8/2022		
<b>ETO Results by EPA Method TO-1</b>	5									
Bromofluorobenzene(Surrogate QC Std.	)	EPA TO-15	72.887	ug/m3			KL	2/8/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0434	ug/m3	SQ	0.0418	3 KL	2/8/2022		
COMMENTS: \$ETO received in the la	ab at 24.2 p	si.								

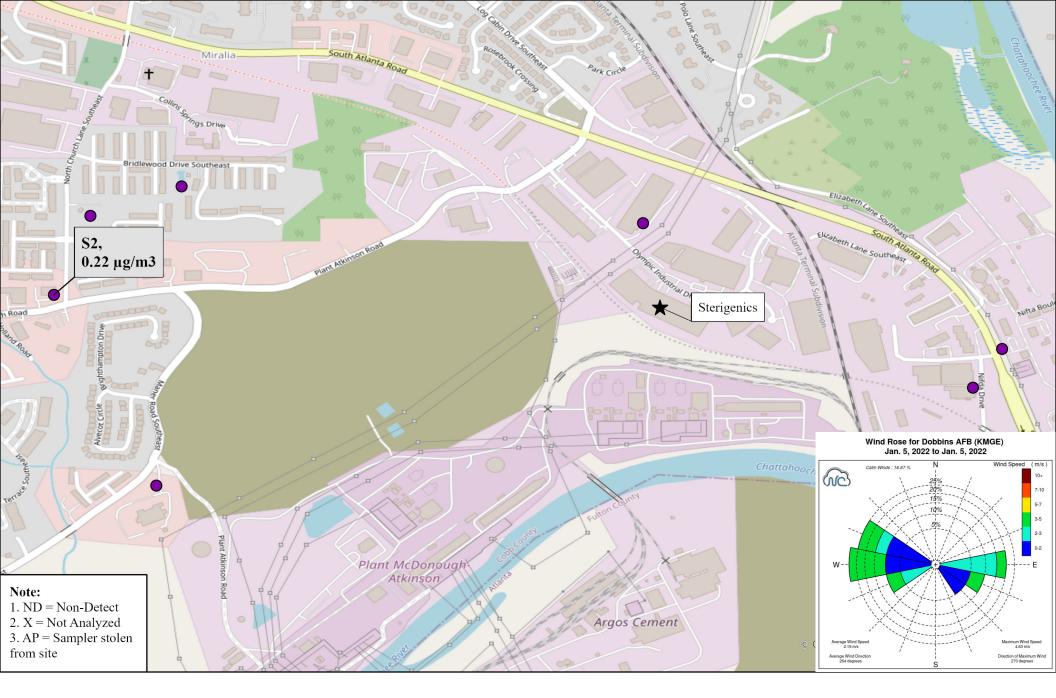
ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
ora/l · organisms/liter

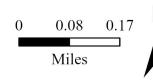
<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit

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

boratory Contacts.									
Lab Di	ector:	Mark Tolbert	470-524-0577						
Inorgar	nics:	Carmen Pyles	470-524-0629						
Metals	:	Shene Jones	470-524-0544						
Organi	cs:	Mary Bowman	n 470-524-0639						
GC Ma	ss Spec:	Ralph Schulz	470-524-0684						
Microb	ioloav:	Mary Bowman	n 470-524-0709						

Sample ID: AK93270 Page 1





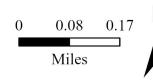
Site ID, Concentration (µg/m3)

Ethylene Oxide Sampling Cobb County, GA

01/05/2022





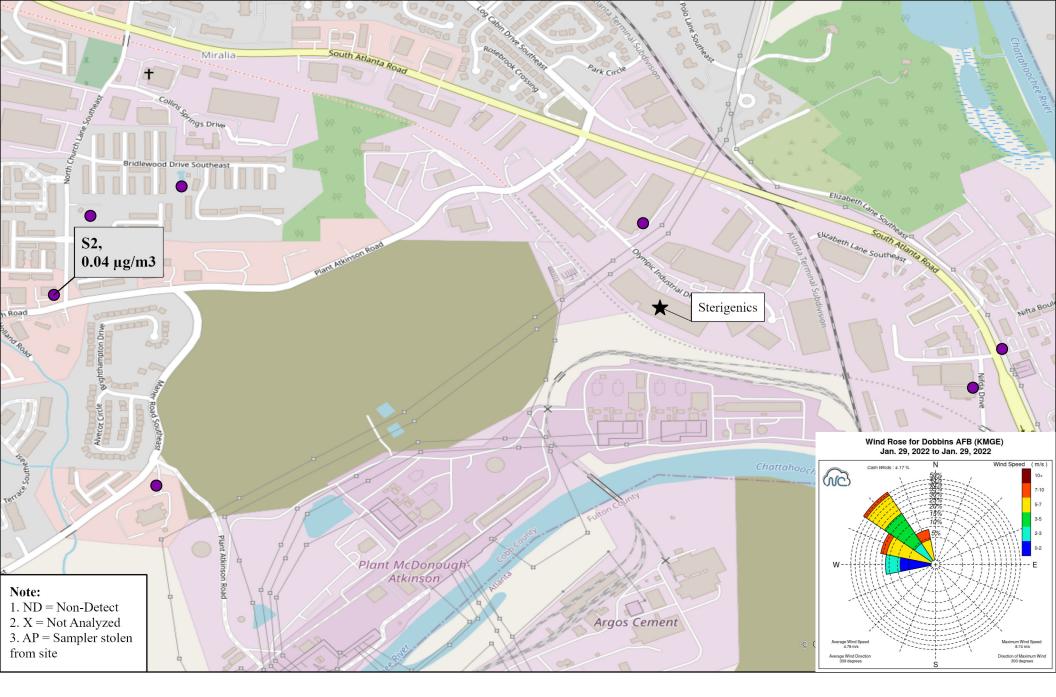


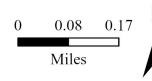
Site ID, Concentration (µg/m3)

Ethylene Oxide Sampling Cobb County, GA

01/17/2022





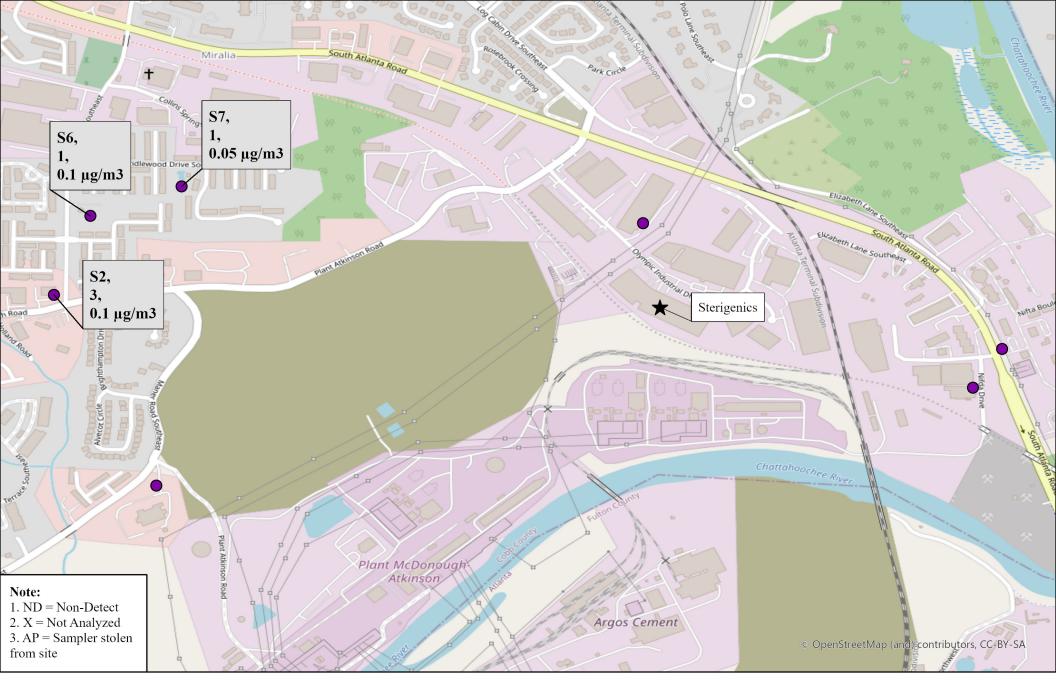


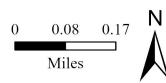
Site ID, Concentration (µg/m3)

Ethylene Oxide Sampling Cobb County, GA

01/29/2022







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

January 2022 Site Average Values

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

