

### **ENVIRONMENTAL PROTECTION DIVISION**

May 3, 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: James Boylan, Air Branch Chief

Through: DeAnna Oser, Assistant Branch Chief

From: Jaime Gore, Operations 1 Unit Manager

RE: Covington – August 9 – August 21, 2022, Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of August 9 – August 21, 2022, by the Ambient Monitoring Program in the Covington 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. Please note that the Ambient Monitoring Program lost access to site C7-SA in December 2021. Therefore, site C3 SA will be used for the spatial comparison going forward.

Location	Date	Qualifier	EtO Concentration (µg/m³)
C2	08/09/2022		0.15
C2	08/21/2022	SQ	0.07
C2 QA	08/09/2022		0.14
C3 SA	08/21/2022		0.35

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: 8/3/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114352 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 7/11/2022 Canister Cleaned: Atlanta, GA 30354 Received By: HΖ Date Received: 8/5/2022 Sample ID: AL05259 Time Received: 11:26 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 11/10/2022 Received Temperature: 21.7 Location Descr:

FANALYTE	PARAMETE CODE	R EPA NOTE METHOD	DESIII T	QUA UNITS	LIFIER RL /	1 NI NI V	ANALYSIS	S MCL or QC Range		
ANALITE	OODL	NOTE METHOD	RESULT	UNITS	NL /	ANALIS	) DAIL	QU N	arige	
ETO by EPA Method TO-15 QC Ba	atch 19804	7								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.5786	ppbV		KL	8/9/2022	8 to	12	
Ethylene Oxide		EPA TO-15	0.0795	ppbV	0.0232	KL	8/9/2022			
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	68.5158	ug/m3		KL	8/9/2022	57.22 to	85.84	
Ethylene Oxide		EPA TO-15	0.1433	ug/m3	0.0418	KL	8/9/2022			

COMMENTS: \$ETO received in the lab at 5.8 psi.

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

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

Lab Director: Mark Tolbert 470-524-0577 Inorganics: 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: AL05259 Page 1

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### **LABORATORY REPORT**

	Date Collected:	8/9/2022				
	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				
0 1 10 1100074	Date Received:	8/17/2022				
Sample ID: AL06871 Facility Name: cobb s2-qa	Time Received:	11:23 AM				
Site ID: S2-QA	Project:	DATA STUDY				
Location ID: QCCAN	Reporting Date:	11/10/2022				
Location Descr:	Received Temperature:	19.6 °C				

FANALYTE	PARAMETER CODE N	EPA	RESULT	QUA UNITS	LIFIER RL /	ΔΝΔΙ Υ	ANALYSIS ST DATE	MCL QC R	
ANALITE		012=65	KLOOLI	UNITS		NIAL I	<u> </u>	QUIN	ange
ETO by EPA Method TO-15 QC B	atch 198267								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.5101	ppbV		KL	8/18/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0864	ppbV	0.0232	KL	8/18/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	68.0259	ug/m3		KL	8/18/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1557	ug/m3	0.0418	KL	8/18/2022		

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: AL06871 Page 1

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#### **LABORATORY REPORT**

Date Collected: 8/9/2022 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: 8/17/2022 Sample ID: AL06872 Time Received: 11:34 AM Facility Name: covington c2-ga Project: **DATA STUDY** Site ID: C2-QA Location ID: Reporting Date: 11/10/2022 Received Temperature: 21.6 Location Descr:

ANALYTE	PARAMETER CODE N	R EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL /	ΔΝΔΙ Υ	ANALYSIS ST DATE	MCL or QC Range		
ANALITE		1012	KLOOLI	ONTO		AIVAL I	J1	9071	ango	
ETO by EPA Method TO-15 QC B	atch 198267									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.1717	ppbV		KL	8/18/2022	8 to	12	
Ethylene Oxide		EPA TO-15	0.0775	ppbV	0.0232	KL	8/18/2022			
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	65.6053	ug/m3		KL	8/18/2022	57.22 to	85.84	
Ethylene Oxide		EPA TO-15	0.1397	ug/m3	0.0418	KL	8/18/2022			

COMMENTS: \$ETO received in the lab at 5.5 in Hg.

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

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

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

Sample ID: AL06872 Page 1

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#### **LABORATORY REPORT**

Date Collected: 8/9/2022 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: 8/17/2022 Sample ID: AL06873 Time Received: 11:34 AM Facility Name: fulton f2-ga Project: **DATA STUDY** Site ID: F2-QA Location ID: Reporting Date: 11/10/2022 Received Temperature: 20.1 Location Descr:

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL A	ANALYS	ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC I	Batch 19826	67							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.3706	ppbV		KL	8/18/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1082	ppbV	0.0232	KL	8/18/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	67.028	ug/m3		KL	8/18/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.195	ug/m3	0.0418	KL	8/18/2022		

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

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

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

Lab Director: Mark Tolbert 470-524-0577 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: AL06873 Page 1

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#### **LABORATORY REPORT**

Date Collected: 8/9/2022 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: 8/9/2022 Sample ID: AL06874 Time Received: 11:34 AM Facility Name: covington c2 Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 11/10/2022 Received Temperature: 23.6 Location Descr:

I	PARAMETER CODE NO	EPA OTE METHOD	DESIII T	QUA UNITS	LIFIER RL /	1 NI A I V	ANALYSIS ST DATE	IS MCL or QC Rang	
ANALITE	OODL NO	TE INCINOD	RESULT	UNITS	NL /	AINAL I	31 DAIL	QU N	arige
ETO by EPA Method TO-15 QC B	atch 198267								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.4105	ppbV		KL	8/18/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0820	ppbV	0.0232	KL	8/18/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	67.3134	ug/m3		KL	8/18/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1478	ug/m3	0.0418	KL	8/18/2022		

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: AL06874 Page 1

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#### **LABORATORY REPORT**

	Date Collected:	8/9/2022
	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 1100077	Date Received:	8/17/2022
Sample ID: AL06877 Facility Name: fulton f2	Time Received:	11:34 AM
Site ID: F2	Project:	DATA STUDY
Location ID:	Reporting Date:	11/10/2022
Location Descr:	Received Temperature:	21.3 °C

	PARAMETER EPA			QUA		ANALYSIS	MCL or		
ANALYTE	CODE NOTE ME		RESULT	UNITS	RL A	ANALYST DATE		QC Range	
ETO by EPA Method TO-15 QC E	Batch 1982	67							
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.4380	ppbV		KL	8/18/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0849	ppbV	0.0232	KL	8/18/2022		
ETO Results by EPA Method TO	-15								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	67.5101	ug/m3		KL	8/18/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.153	ug/m3	0.0418	KL	8/18/2022		

COMMENTS: \$ETO received in the lab at 7 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: AL06877 Page 1

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### **LABORATORY REPORT**

Date Collected: 8/15/2022 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: 8/22/2022 Sample ID: AL06878 Time Received: 11:46 AM Facility Name: GENERAL COFFEE Project: **DATA STUDY** Site ID: 013-069-0002 Location ID: Reporting Date: 11/10/2022 Received Temperature: 21.6 Location Descr:

	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 E	3atch 1983	60								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	8.8994	ppbV			KL	8/23/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0634	ppbV	SQ 2	0.0232	2 KL	8/23/2022		
<b>ETO Results by EPA Method TO</b>	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	63.6575	ug/m3			KL	8/23/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1143	ug/m3	SQ 2	0.0418	3 KL	8/23/2022		

COMMENTS: \$ETO received in the lab at 20 psi. Pressure difference of >0.5 psi between receipt from field and receipt in lab. Outlet was tripped before 8/9 scheduled run. Had to reset for 8/15.

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: AL06878 Page 1

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#### **LABORATORY REPORT**

	Date Collected:	8/9/2022			
	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			
0 1 10 1100070	Date Received:	8/17/2022			
Sample ID: AL06879 Facility Name: cobb s2	Time Received:	11:34 AM			
Site ID: S2	Project:	DATA STUDY			
Location ID: QCCAN	Reporting Date:	11/10/2022			
Location Descr:	Received Temperature:	23.5 °C			

I ANALYTE	PARAMETER EPA CODE NOTE METHOD		GOALII		JALIFIE			ANALYSIS T DATE			
ETO by EPA Method TO-15 QC B	atch 198267										
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.3490	ppbV			KL	8/18/2022	8 to	12	
Ethylene Oxide		EPA TO-15	0.0637	ppbV	SQ	0.0232	KL	8/18/2022			
ETO Results by EPA Method TO-	15										
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	66.8735	ug/m3			KL	8/18/2022	57.22 to	85.84	
Ethylene Oxide		EPA TO-15	0.1148	ug/m3	SQ	0.0418	KL	8/18/2022			

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

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

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

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

Lab Director: Mark Tolbert 470-524-0577 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: AL06879 Page 1

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

#### **LABORATORY REPORT**

	Date Collected: Time Collected:	8/19/2022 0:00
TO: Ga EPD Air Program	Sample Collector: Chlorination:	J. BRYANT
EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Sample Type: Received By:	Trip Blank HZ
	Date Received:	8/30/2022
Sample ID: AL06880 Facility Name: COBB S2, S6-SA, S7-SA FB	Time Received:	11:15 AM
Site ID: S2	Project:	DATA STUDY
Location ID: Location Descr:	Reporting Date: Received Temperature:	11/10/2022 19.9 °C

ANALYTE	PARAMETER EPA CODE NOTE METHOD RESULT		QUALIFIER UNITS RL			ANALYS	MCL or QC Range			
ETO by EPA Method TO-15 QC B	atch 19857	<b>'</b> 9								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.7990	ppbV			KL	9/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL	9/1/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	70.0924	ug/m3			KL	9/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	9/1/2022		

COMMENTS: \$ETO received in the lab at 29 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: AL06880 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 8/15/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114334 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 7/25/2022 Canister Cleaned: Atlanta, GA 30354 Received By: HΖ Date Received: 8/17/2022 Sample ID: AL06881 Time Received: 11:23 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 11/10/2022 Received Temperature: 20.9 Location Descr:

ANALYTE	PARAMETEI CODE	R EPA NOTE METHOD	QUA UNITS	ΔΝΔΙ Υ	ANALYSIS ST DATE	MCL or QC Range			
ANALITE	0052	101E IIIE1110B	KLJULI	UNITS	RL A	NIAL I	31 57.12	QUIN	arige
ETO by EPA Method TO-15 QC B	atch 198267	•							
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	9.4747	ppbV		KL	8/18/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0849	ppbV	0.0232	KL	8/18/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	l.)	EPA TO-15	67.7726	ug/m3		KL	8/18/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.153	ug/m3	0.0418	KL	8/18/2022		

COMMENTS: \$ETO received in the lab at 6.4 psi.

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

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

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

Sample ID: AL06881 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	8/21/2022
	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
0 1 10 11 20000	Date Received:	8/30/2022
Sample ID: AL06882 Facility Name: COBB S6-SA	Time Received:	11:15 AM
Site ID: S6-SA	Project:	DATA STUDY
Location ID:	Reporting Date:	11/10/2022
Location Descr:	Received Temperature:	21.2 °C

· ·	PARAMETER EPA			QUALIFIER			-	ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	RL ANALYST DATE		QC Range	
ETO by EPA Method TO-15 QC B	atch 1985	79								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.5837	ppbV			KL	9/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0624	ppbV	SQ	0.0232	KL	9/1/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	68.5523	ug/m3			KL	9/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1125	ug/m3	SQ	0.0418	KL	9/1/2022		

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

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

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

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

Lab Director: Mark Tolbert 470-524-0577 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: AL06882 Page 1

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### **LABORATORY REPORT**

	Date Collected:	8/21/2022
	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:	
Atlanta, GA 30354	Received By:	HZ
0 1 10 1100000	Date Received:	8/30/2022
Sample ID: AL06883 Facility Name: COBB S7-SA	Time Received:	11:15 AM
Site ID: S7-SA	Project:	DATA STUDY
Location ID:	Reporting Date:	11/10/2022
Location Descr:	Received Temperature:	23.8 °C

ANALYTE	PARAMET CODE	ER EPA NOTE METHOD	RESULT	QI UNITS	JALIFIE		A ANALYST	NALYSIS DATE	MCL QC R	
ETO by EPA Method TO-15 QC E	Batch 1985	79								
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	9.6531	ppbV			KL	9/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0716	ppbV	SQ	0.0232	2 KL	9/1/2022		
ETO Results by EPA Method TO	-15									
Bromofluorobenzene(Surrogate QC St	d.)	EPA TO-15	69.0487	ug/m3			KL	9/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1291	ug/m3	SQ	0.0418	KL	9/1/2022		

COMMENTS: \$ETO received in the lab at 5.5 in Hg.

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

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

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

### **Laboratory Contacts:**

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

Sample ID: AL06883 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 8/9/2022 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: 7/25/2022 Atlanta, GA 30354 Received By: HΖ Date Received: 8/11/2022 Sample ID: AL06884 Time Received: 11:00 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 11/10/2022 Received Temperature: 23.1 Location Descr:

ANALYTE	PARAMETER EPA CODE NOTE METHOD RESULT		QUALIFIER UNITS RL			ANALYS	ANALYSIS T DATE	MCL or QC Range		
ETO by EPA Method TO-15 QC B	atch 19814	45								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.5953	ppbV			KL	8/12/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0704	ppbV	SQ	0.0232	KL	8/12/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	68.6353	ug/m3			KL	8/12/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1269	ug/m3	SQ	0.0418	KL	8/12/2022		

COMMENTS: \$ETO received in the lab at 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 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: AL06884 Page 1

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

### **LABORATORY REPORT**

Date Collected: 8/9/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114321 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 7/25/2022 Atlanta, GA 30354 Received By: ΗZ Date Received: 8/11/2022 Sample ID: AL06885 Time Received: 11:01 AM Facility Name: SOUTH DEKALB QA Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 11/10/2022 Received Temperature: 23.0 Location Descr:

P	ARAMETER EPA	QUA		ANALYSIS	MCL or			
ANALYTE	CODE NOTE METHOL	RESULT	UNITS	RL A	ANALYST DATE		QC Range	
ETO by EPA Method TO-15 QC Ba	tch 198145							
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	9.2099	ppbV		KL	8/12/2022	8 to	12
Ethylene Oxide	EPA TO-15	0.0874	ppbV	0.0232	KL	8/12/2022		
ETO Results by EPA Method TO-1	5							
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	65.8785	ug/m3		KL	8/12/2022	57.22 to	85.84
Ethylene Oxide	EPA TO-15	0.1575	ug/m3	0.0418	KL	8/12/2022		
<b>ETO NATTS QA Replicate Precisio</b>	on							
Ethylene Oxide	EPA TO-15	5.65	%RPD		KL	8/12/2022		25
ETO QA Replicate Result								
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	9.1847	ppbV		KL	8/12/2022	8 to	12
Ethylene Oxide	EPA TO-15	0.0826	Vdqq	0.0232	KL	8/12/2022		

COMMENTS: \$ETO received in the lab at 4.4 psi.

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

Sample ID: AL06885 Page 1

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

### **LABORATORY REPORT**

Date Collected: 8/21/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: ΗZ Date Received: 8/30/2022 Sample ID: AL06886 Time Received: 11:15 AM Facility Name: COBB S2 Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 11/10/2022 Received Temperature: 20.5 Location Descr:

FANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	DECIII T	QUA	A NI A I V C	ANALYSIS	MCL or QC Range		
ANALTIE	CODE	NOTE MILITIOD	RESULT	UNITS	RL /	ANALIS	SI DAIL	QC A	ange
ETO by EPA Method TO-15 QC Ba	atch 19857	<b>'</b> 9							
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.6170	ppbV		KL	9/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0759	ppbV	0.0232	KL	9/1/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	68.7905	ug/m3		KL	9/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1368	ug/m3	0.0418	KL	9/1/2022		

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

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

<: less than MCL: Maximum Contaminant Level

RL: Reporting Limit

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

**Laboratory Contacts:** 

Lab Director: Mark Tolbert 470-524-0577 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: AL06886 Page 1

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

### **LABORATORY REPORT**

	Date Collected: Time Collected:	8/18/2022 0:00
TO: Ga EPD Air Program	Sample Collector:	J. BRYANT
EPD Air Prot Ambient Monitoring	Chlorination:	
4244 International Pkwy Ste 120 Atlanta, GA 30354	Sample Type:	Trip Blank
Allana, GA 0000+	Received By:	KL
Compile ID: AL 00744	Date Received:	8/30/2022
Sample ID: AL08741 Facility Name: COVINGTON C2, C3-SA FB	Time Received:	11:15 AM
Site ID: C2	Project:	DATA STUDY
Location ID: QCCAN	Reporting Date:	11/10/2022
Location Descr:	Received Temperature:	21.9 °C

	PARAMET			QI	JALIFIE		-	NALYSIS		
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 1985	79								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.8241	ppbV			KL	9/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	. KL	9/1/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	70.2719	ug/m3			KL	9/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	9/1/2022		

COMMENTS: \$ETO received in the lab at 29 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: AL08741 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 8/21/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114311 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 8/8/2022 Atlanta, GA 30354 Received By: KL Date Received: 8/23/2022 Sample ID: AL08746 Time Received: 10:58 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 11/10/2022 Received Temperature: 20.9 Location Descr:

I ANALYTE	PARAMETE CODE	R EPA NOTE METHOD	RESULT	QI UNITS	JALIFIE			ANALYSIS T DATE	MCL QC Ra	
ETO by EPA Method TO-15 QC B	atch 19853	8								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	9.6351	ppbV			KL	8/30/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0613	ppbV	SQ	0.0232	KL	8/30/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	68.92	ug/m3			KL	8/30/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1105	ug/m3	SQ	0.0418	KL	8/30/2022		

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 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: AL08746 Page 1

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

### **LABORATORY REPORT**

	Date Collected:	8/21/2022
	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:	
Atlanta, GA 30354	Received By:	KL
O	Date Received:	8/30/2022
Sample ID: AL08749 Facility Name: COVINGTON C2	Time Received:	11:15 AM
Site ID: C2	Project:	DATA STUDY
Location ID: QCCAN	Reporting Date:	11/10/2022
Location Descr:	Received Temperature:	24.7 °C

I ANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	RESULT	Ql UNITS	JALIFIE		ANALYS	ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC B	atch 19857	79								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	9.5397	ppbV			KL	9/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0401	ppbV	SQ	0.0232	2 KL	9/1/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	68.2376	ug/m3			KL	9/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0723	ug/m3	SQ	0.0418	3 KL	9/1/2022		

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

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

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

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

**Laboratory Contacts:** 

Lab Director: Mark Tolbert 470-524-0577 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: AL08749 Page 1

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

### **LABORATORY REPORT**

	Date Collected:	8/21/2022
	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:	
Atlanta, GA 30354	Received By:	KL
0 1 10 1100754	Date Received:	8/30/2022
Sample ID: AL08751 Facility Name: FULTON F1-SA	Time Received:	11:15 AM
Site ID: F1-SA	Project:	DATA STUDY
Location ID:	Reporting Date:	11/10/2022
Location Descr:	Received Temperature:	20.7 °C

PARAME		TER EPA		QUALIFIER			ANALYSIS	MCL or	
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS	RL /	ANALYS	ST DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 1985	79							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.4714	ppbV		KL	9/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1788	ppbV	0.0232	KL	9/1/2022		
ETO Results by EPA Method TO-	·15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	67.749	ug/m3		KL	9/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3223	ug/m3	0.0418	KL	9/1/2022		

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

ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
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: AL08751 Page 1

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

### **LABORATORY REPORT**

	Date Collected:	8/21/2022
	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:	
Atlanta, GA 30354	Received By:	KL
0 1 10 1100750	Date Received:	8/30/2022
Sample ID: AL08752 Facility Name: COVINGTON C3-SA	Time Received:	11:15 AM
Site ID: C3-SA	Project:	DATA STUDY
Location ID:	Reporting Date:	11/10/2022
Location Descr:	Received Temperature:	20.9 °C

PARAM		ER EPA		QUA		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 1985	79							
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.5083	ppbV		KL	9/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.1924	ppbV	0.0232	KL	9/1/2022		
ETO Results by EPA Method TO-	·15								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	68.013	ug/m3		KL	9/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3468	ug/m3	0.0418	KL	9/1/2022		

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
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 Cornacts.										
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: AL08752 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 8/19/2022 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: Trip Blank Atlanta, GA 30354 Received By: KL Date Received: 8/30/2022 Sample ID: AL08753 Time Received: 11:15 AM Facility Name: FULTON F2, F1-SA FB Project: **DATA STUDY** Site ID: Location ID: Reporting Date: 11/10/2022 Received Temperature: 21.8 Location Descr:

	PARAMET			QI	JALIFIE		-	NALYSIS		
ANALYTE	CODE	NOTE METHOD	RESULT	UNITS		RL	ANALYS	DATE	QC R	ange
ETO by EPA Method TO-15 QC B	atch 1985	79								
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	9.8210	ppbV			KL	9/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	. KL	9/1/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	d.)	EPA TO-15	70.2497	ug/m3			KL	9/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL	9/1/2022		

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: AL08753 Page 1

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

#### **LABORATORY REPORT**

	Date Collected:	8/21/2022				
	Time Collected:	0:00				
TO: Co EDD Air Drogram	Sample Collector:	C KNOX				
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 1100754	Date Received:	8/29/2022				
Sample ID: AL08754 Facility Name: GENERAL COFFEE	Time Received:	9:45 AM				
Site ID: 013-069-0002	Project:	DATA STUDY				
Location ID:	Reporting Date:	11/10/2022				
Location Descr:	Received Temperature:	25.5 °C				

ANALYTE	PARAMETE CODE	R EPA NOTE METHOD	RESULT	Q UNITS	UALIFIE		ANALYS	ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC B	atch 19853	8								
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	8.9346	ppbV			KL	8/30/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0471	ppbV	SQ 2	0.0232	. KL	8/30/2022		
ETO Results by EPA Method TO-	15									
Bromofluorobenzene(Surrogate QC Sto	l.)	EPA TO-15	63.9093	ug/m3			KL	8/30/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.0849	ug/m3	SQ 2	0.0418	KL	8/30/2022		

COMMENTS: \$ETO received in the lab at 20 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: AL08754 Page 1

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

#### **LABORATORY REPORT**

Date Collected: 8/27/2022 Time Collected: 0:00 Sample Collector: H. STREET TO: Ga EPD Air Program Canister Number: 114381 **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Canister Cleaned: 8/8/2022 Atlanta, GA 30354 Received By: KL Date Received: 8/30/2022 Sample ID: AL08755 Time Received: 11:14 AM Facility Name: SOUTH DEKALB Project: AIR Site ID: 013-089-0002 Location ID: Reporting Date: 11/10/2022 Received Temperature: 24.2 Location Descr:

FANALYTE	PARAMETI CODE	ER EPA NOTE METHOD	DECIIIT	QUA UNITS	LIFIER RL /	A NI A I V C	ANALYSIS	MCL QC Ra	
ANALTIE	CODE	NOTE METHOD	KESULI	UNITS	KL /	ANALIS	SI DAIL	QC A	ange
ETO by EPA Method TO-15 QC B	atch 19857	79							
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	9.2008	ppbV		KL	9/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.0751	ppbV	0.0232	KL	9/1/2022		
ETO Results by EPA Method TO-	15								
Bromofluorobenzene(Surrogate QC Std	.)	EPA TO-15	65.8134	ug/m3		KL	9/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1354	ug/m3	0.0418	KL	9/1/2022		

COMMENTS: \$ETO received in the lab at 4.4 psi.

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

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

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

Sample ID: AL08755 Page 1

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

### **LABORATORY REPORT**

Date Collected: 8/21/2022 Time Collected: 0:00 Sample Collector: J. BRYANT TO: Ga EPD Air Program Chlorination: **EPD Air Prot Ambient Monitoring** 4244 International Pkwy Ste 120 Sample Type: Atlanta, GA 30354 Received By: KL Date Received: 8/30/2022 Sample ID: AL08756 Time Received: 11:15 AM Facility Name: FULTON F2 Project: **DATA STUDY** Site ID: Reporting Date: Location ID: 11/10/2022 Received Temperature: 22.6 Location Descr:

P	ARAMET CODE	ER EPA NOTE METHOD	RESULT	QUA UNITS	LIFIER RL <i>A</i>	NALYS	ANALYSIS T DATE	MCL QC R	
ETO by EPA Method TO-15 QC Ba	tch 1985	79							
Bromofluorobenzene(Surrogate QC Std.	)	EPA TO-15	9.5311	ppbV		KL	9/1/2022	8 to	12
Ethylene Oxide		EPA TO-15	0.2387	ppbV	0.0232	KL	9/1/2022		
<b>ETO Results by EPA Method TO-1</b>	5								
Bromofluorobenzene(Surrogate QC Std.	)	EPA TO-15	68.1761	ug/m3		KL	9/1/2022	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.4303	ug/m3	0.0418	KL	9/1/2022		
COMMENTS: \$ETO received in the la	ab at 5.5 in	Hg.							

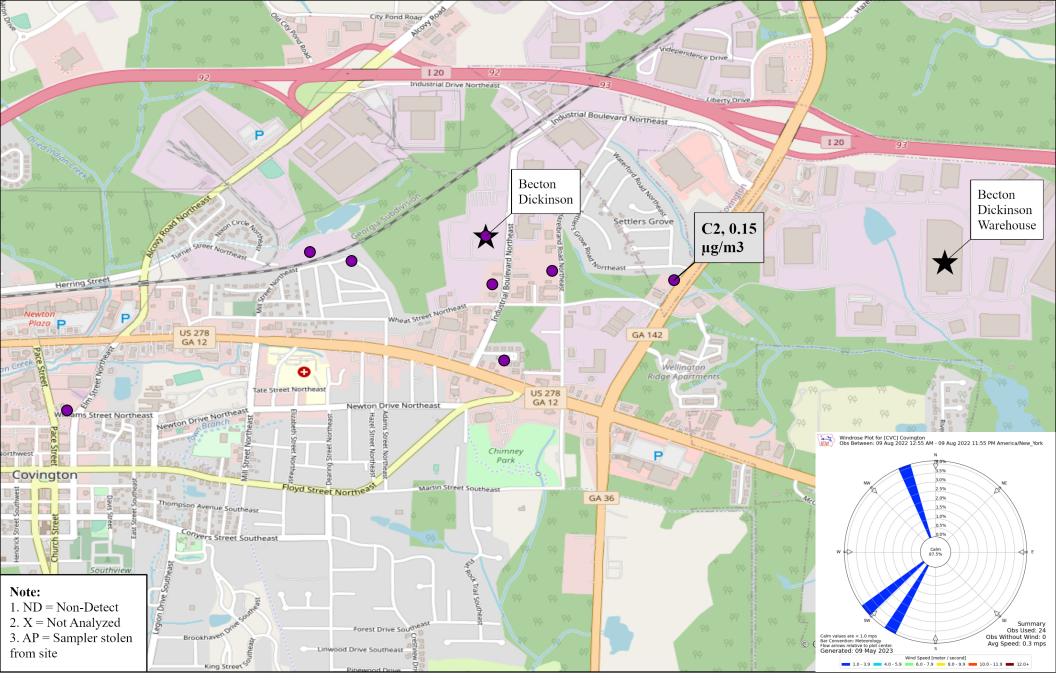
ug/L: micrograms/liter
mg/L: milligrams/liter
mg/kg: milligrams/kilogram
ug/kg: micrograms/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion
ora/l : organisms/liter

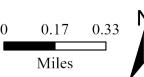
<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit

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.										
La	b Director:	Mark Tolbert	470-524-0577							
Ind	organics:	Carmen Pyles	470-524-0629							
Me	etals:	Shene Jones	470-524-0544							
Or	ganics:	Mary Bowman	470-524-0639							
G	Mass Spec:	Ralph Schulz	470-524-0684							
Mi	crobiology:	Mary Bowman	470-524-0709							

Sample ID: AL08756 Page 1





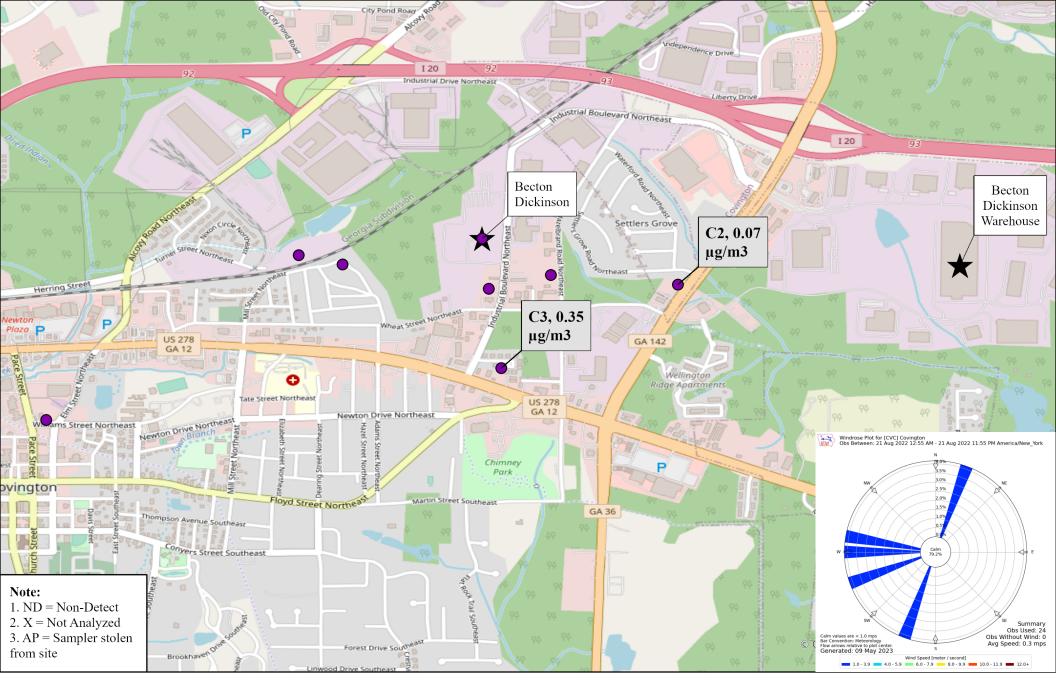
Site ID, Concentration (µg/m3)

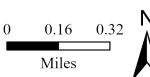
Ethylene Oxide Sampling Covington, GA

08/09/2022

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







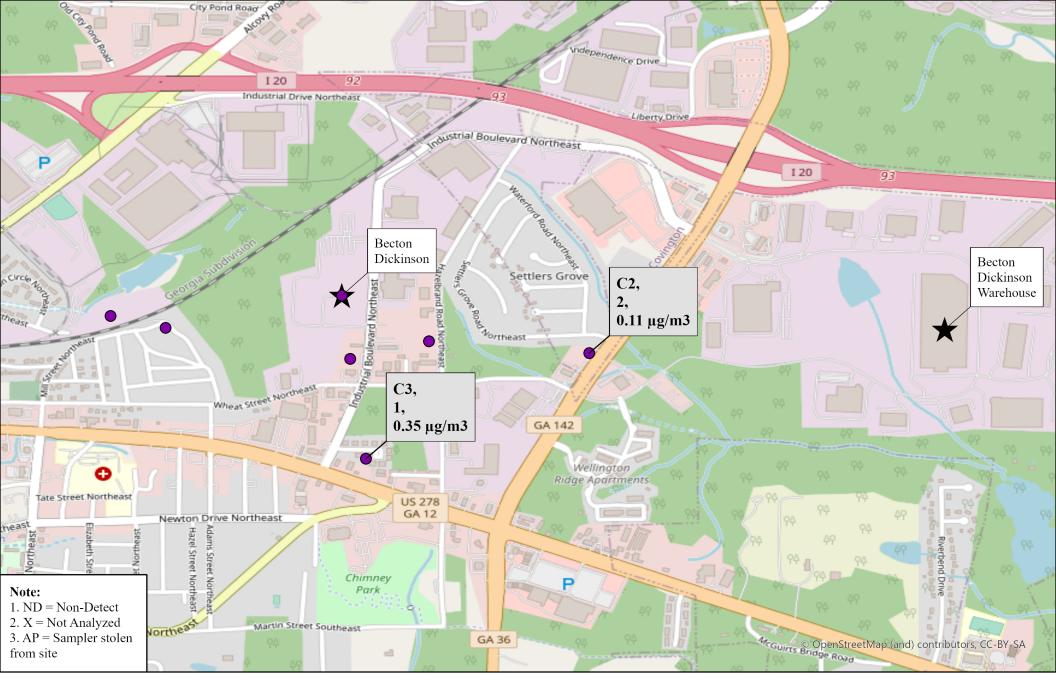
Site ID, Concentration (µg/m3)

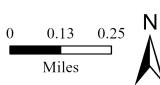
Ethylene Oxide Sampling Covington, GA

08/21/2022

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







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

August 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**