



ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

EPD Director's Office

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

April 3, 2023

MEMORANDUM

To: Karen Hays, Air Branch Chief *KH*

Through: James Boylan, Air Branch Chief

Through: DeAnna Oser, Assistant Air Branch Chief

From: Jaime Gore, Operations 1 Unit Manager

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

Samples of Ethylene Oxide (EtO) were collected during the period of April 11 – April 23, 2022, by the Ambient Monitoring Program in the 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. 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. 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 ($\mu\text{g}/\text{m}^3$)
C2		04/11/2022		SQ		0.12
C2		04/23/2022				0.19
C2 QA		04/11/2022		SQ, 2		0.11
C3 SA		04/23/2022				0.17

If you have any questions, please let me know.

JCG

**GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION**

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

LABORATORY REPORT

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

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 195785								
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.6363	ppbV		KL 4/8/2022	8 to 12
Ethylene Oxide			EPA TO-15	0.0645	ppbV	SQ 0.0232	KL 4/8/2022	
ETO Results by EPA Method TO-15								
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	68.9286	ug/m3		KL 4/8/2022	57.22 to 85.84
Ethylene Oxide			EPA TO-15	0.1163	ug/m3	SQ 0.0418	KL 4/8/2022	

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

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

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

Laboratory Contacts:

Lab Director:	Mark Tolbert	470-524-0577
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

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LABORATORY REPORT

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

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 195979									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.2836	ppbV		KL	4/21/2022	8 to 12
Ethylene Oxide			EPA TO-15	0.0985	ppbV	0.0232	KL	4/21/2022	
ETO Results by EPA Method TO-15									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	66.4057	ug/m3		KL	4/21/2022	57.22 to 85.84
Ethylene Oxide			EPA TO-15	0.1776	ug/m3	0.0418	KL	4/21/2022	

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

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

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

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LABORATORY REPORT

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

ANALYTE	PARAMETER		EPA	RESULT	UNITS	QUALIFIER	ANALYSIS		MCL or	
	CODE	NOTE	METHOD			RL	ANALYST	DATE	QC	Range
ETO by EPA Method TO-15 QC Batch 195979										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	8.9451	ppbV		KL	4/21/2022	8 to	12
Ethylene Oxide			EPA TO-15	0.0862	ppbV	0.0232	KL	4/21/2022		
ETO Results by EPA Method TO-15										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	63.9844	ug/m3		KL	4/21/2022	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.1554	ug/m3	0.0418	KL	4/21/2022		

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

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

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

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LABORATORY REPORT

TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 4/11/2022
	Time Collected: 0:00
Sample ID: AK97556 Facility Name: COVINGTON C2-QA Site ID: C2-QA Location ID: Location Descr:	Sample Collector: J. BRYANT
	Chlorination:
	Sample Type:
	Received By: HZ
	Date Received: 4/19/2022
	Time Received: 12:16 PM
	Project: DATA STUDY
	Reporting Date: 6/27/2022
	Received Temperature: 18.1 °C

ANALYTE	PARAMETER	EPA				QUALIFIER	ANALYSIS		MCL or	
	CODE	NOTE	METHOD	RESULT	UNITS	RL	ANALYST	DATE	QC Range	
ETO by EPA Method TO-15 QC Batch 195979										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.4271	ppbV			KL	4/21/2022	8 to 12
Ethylene Oxide			EPA TO-15	0.0587	ppbV	SQ	0.0232	KL	4/21/2022	
ETO Results by EPA Method TO-15										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	67.4322	ug/m3			KL	4/21/2022	57.22 to 85.84
Ethylene Oxide			EPA TO-15	0.1058	ug/m3	SQ	0.0418	KL	4/21/2022	

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

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

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

Laboratory Contacts:

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LABORATORY REPORT

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

ANALYTE	PARAMETER		EPA	RESULT	QUALIFIER			ANALYSIS		MCL or	
	CODE	NOTE	METHOD		UNITS	RL	ANALYST	DATE	QC Range		
ETO by EPA Method TO-15 QC Batch 195979											
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.3729	ppbV			KL	4/21/2022	8 to	12
Ethylene Oxide			EPA TO-15	0.0689	ppbV	SQ	0.0232	KL	4/21/2022		
ETO Results by EPA Method TO-15											
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	67.0445	ug/m3			KL	4/21/2022	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.1242	ug/m3	SQ	0.0418	KL	4/21/2022		

COMMENTS: \$ETO received in the lab at 3 in Hg.

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

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

Laboratory Contacts:

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Metals:	Shene Jones	470-524-0544
Organics:	Mary Bowman	470-524-0639
GC Mass Spec:	Ralph Schulz	470-524-0684
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LABORATORY REPORT

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

ANALYTE	PARAMETER	EPA				QUALIFIER	ANALYSIS		MCL or	
	CODE	NOTE	METHOD	RESULT	UNITS	RL	ANALYST	DATE	QC Range	
ETO by EPA Method TO-15 QC Batch 195979										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	8.8804	ppbV			KL	4/21/2022	8 to 12
Ethylene Oxide			EPA TO-15	0.0557	ppbV	SQ	0.0232	KL	4/21/2022	
ETO Results by EPA Method TO-15										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	63.5216	ug/m3			KL	4/21/2022	57.22 to 85.84
Ethylene Oxide			EPA TO-15	0.1004	ug/m3	SQ	0.0418	KL	4/21/2022	

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

ug/L: micrograms/liter
mg/L: milligrams/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
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LABORATORY REPORT

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

ANALYTE	PARAMETER	EPA	QUALIFIER			ANALYSIS		MCL or	
	CODE	NOTE	METHOD	RESULT	UNITS	RL	ANALYST	DATE	QC Range
ETO by EPA Method TO-15 QC Batch 195979									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.4089	ppbV		KL	4/21/2022	8 to 12
Ethylene Oxide			EPA TO-15	0.0659	ppbV	SQ	0.0232	KL	4/21/2022
ETO Results by EPA Method TO-15									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	67.302	ug/m3		KL	4/21/2022	57.22 to 85.84
Ethylene Oxide			EPA TO-15	0.1188	ug/m3	SQ	0.0418	KL	4/21/2022

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

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

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

Laboratory Contacts:

Lab Director:	Mark Tolbert	470-524-0577
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Metals:	Shene Jones	470-524-0544
Organics:	Mary Bowman	470-524-0639
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LABORATORY REPORT

TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 4/11/2022
	Time Collected: 0:00
Sample ID: AK97560 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	Sample Collector: H. STREET
	Canister Number: 114377
	Canister Cleaned: 3/21/2022
	Received By: HZ
	Date Received: 4/14/2022
	Time Received: 11:51 AM
	Project: AIR
	Reporting Date: 6/27/2022
	Received Temperature: 19.1 °C

ANALYTE	PARAMETER	EPA	RESULT	QUALIFIER		ANALYSIS		MCL or	
	CODE	NOTE		METHOD	UNITS	RL	ANALYST	DATE	QC Range
ETO by EPA Method TO-15 QC Batch 195920									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.5616	ppbV		KL	4/19/2022	8 to 12
Ethylene Oxide			EPA TO-15	0.0471	ppbV	SQ	0.0232	KL	4/19/2022
ETO Results by EPA Method TO-15									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	68.3942	ug/m3		KL	4/19/2022	57.22 to 85.84
Ethylene Oxide			EPA TO-15	0.0849	ug/m3	SQ	0.0418	KL	4/19/2022

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

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

<: less than
MCL: Maximum Contaminant Level
RL: Reporting Limit
LSPC: result less than lower specification
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LABORATORY REPORT

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

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 195920									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	8.9646	ppbV		KL	4/19/2022	8 to 12
Ethylene Oxide			EPA TO-15	0.0721	ppbV	SQ 0.0232	KL	4/19/2022	
ETO Results by EPA Method TO-15									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	64.1239	ug/m3		KL	4/19/2022	57.22 to 85.84
Ethylene Oxide			EPA TO-15	0.13	ug/m3	SQ 0.0418	KL	4/19/2022	
ETO NATTS QA Replicate Precision									
Ethylene Oxide			EPA TO-15	10.3	%RPD		KL	4/20/2022	25
ETO QA Replicate Result									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.0103	ppbV		KL	4/19/2022	8 to 12
Ethylene Oxide			EPA TO-15	0.0799	ppbV		KL	4/19/2022	

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

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

<: less than
MCL: Maximum Contaminant Level
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LABORATORY REPORT

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

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 196042								
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.0019	ppbV		KL 4/26/2022	8 to 12
Ethylene Oxide			EPA TO-15	0.0437	ppbV	SQ 0.0232	KL 4/26/2022	
ETO Results by EPA Method TO-15								
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	64.3907	ug/m3		KL 4/26/2022	57.22 to 85.84
Ethylene Oxide			EPA TO-15	0.0788	ug/m3	SQ 0.0418	KL 4/26/2022	

COMMENTS: \$ETO received in the lab at 22.2 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:

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 Metals: Shene Jones 470-524-0544
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LABORATORY REPORT

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

ANALYTE	PARAMETER CODE NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 195979							
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	9.2185	ppbV		KL	4/21/2022	8 to 12
Ethylene Oxide	EPA TO-15	0.0700	ppbV	SQ	0.0232	KL	4/21/2022
ETO Results by EPA Method TO-15							
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	65.94	ug/m3		KL	4/21/2022	57.22 to 85.84
Ethylene Oxide	EPA TO-15	0.1262	ug/m3	SQ	0.0418	KL	4/21/2022

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

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

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

Laboratory Contacts:

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

**GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION**

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

LABORATORY REPORT

TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 4/23/2022 Time Collected: 0:00 Sample Collector: J. BRYANT Chlorination: Sample Type: Received By: HZ
Sample ID: AK98165 Facility Name: COBB S2 Site ID: S2 Location ID: QCCAN Location Descr:	Date Received: 5/4/2022 Time Received: 10:52 AM Project: DATA STUDY Reporting Date: 6/27/2022 Received Temperature: 21.4 °C

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 196380								
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.7789	ppbV		KL 5/10/2022	8 to 12
Ethylene Oxide			EPA TO-15	0.0660	ppbV	SQ 0.0232	KL 5/10/2022	
ETO Results by EPA Method TO-15								
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	69.9486	ug/m3		KL 5/10/2022	57.22 to 85.84
Ethylene Oxide			EPA TO-15	0.119	ug/m3	SQ 0.0418	KL 5/10/2022	

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

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

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

Laboratory Contacts:

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

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ENVIRONMENTAL PROTECTION DIVISION**

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LABORATORY REPORT

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

ANALYTE	PARAMETER		EPA	RESULT	UNITS	QUALIFIER	ANALYSIS		MCL or	
	CODE	NOTE	METHOD			RL	ANALYST	DATE	QC Range	
ETO by EPA Method TO-15 QC Batch 196380										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.6797	ppbV		KL	5/10/2022	8 to	12
Ethylene Oxide			EPA TO-15	0.1075	ppbV	0.0232	KL	5/10/2022		
ETO Results by EPA Method TO-15										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	69.239	ug/m3		KL	5/10/2022	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.1938	ug/m3	0.0418	KL	5/10/2022		

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

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

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

Laboratory Contacts:

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

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LABORATORY REPORT

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

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER UNITS	RL	ANALYSIS ANALYST DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 196380								
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	10.0278	ppbV		KL 5/10/2022	8 to 12	
Ethylene Oxide		EPA TO-15	0	ppbV	ND 0.0232	KL 5/10/2022		
ETO Results by EPA Method TO-15								
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	71.729	ug/m3		KL 5/10/2022	57.22 to 85.84	
Ethylene Oxide		EPA TO-15	0	ug/m3	ND 0.0418	KL 5/10/2022		

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

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

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

Laboratory Contacts:

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

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LABORATORY REPORT

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

ANALYTE	PARAMETER CODE NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 196380							
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	9.5419	ppbV		KL 5/10/2022	8 to 12
Ethylene Oxide		EPA TO-15	0.0592	ppbV	SQ 0.0232	KL 5/10/2022	
ETO Results by EPA Method TO-15							
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	68.2533	ug/m3		KL 5/10/2022	57.22 to 85.84
Ethylene Oxide		EPA TO-15	0.1067	ug/m3	SQ 0.0418	KL 5/10/2022	

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

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

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

Laboratory Contacts:

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

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LABORATORY REPORT

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

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 196380								
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.4731	ppbV		KL 5/10/2022	8 to 12
Ethylene Oxide			EPA TO-15	0.1081	ppbV	0.0232	KL 5/10/2022	
ETO Results by EPA Method TO-15								
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	67.7612	ug/m3		KL 5/10/2022	57.22 to 85.84
Ethylene Oxide			EPA TO-15	0.1949	ug/m3	0.0418	KL 5/10/2022	

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

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

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

Laboratory Contacts:

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

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LABORATORY REPORT

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

ANALYTE	PARAMETER CODE NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 196380							
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	9.4576	ppbV		KL	5/10/2022	8 to 12
Ethylene Oxide	EPA TO-15	0.0965	ppbV	0.0232	KL	5/10/2022	
ETO Results by EPA Method TO-15							
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	67.6503	ug/m3		KL	5/10/2022	57.22 to 85.84
Ethylene Oxide	EPA TO-15	0.1739	ug/m3	0.0418	KL	5/10/2022	

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

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

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

Laboratory Contacts:

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

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ENVIRONMENTAL PROTECTION DIVISION**

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

LABORATORY REPORT

TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 4/20/2022 Time Collected: 0:00 Sample Collector: J. BRYANT Chlorination: Sample Type: Received By: HZ
Sample ID: AK98171 Facility Name: COVINGTON C2, C3-SA FB Site ID: C2 Location ID: Location Descr:	Date Received: 5/4/2022 Time Received: 10:52 AM Project: DATA STUDY Reporting Date: 6/27/2022 Received Temperature: 21.5 °C

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	QUALIFIER UNITS	RL	ANALYSIS ANALYST DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 196380								
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.9141	ppbV		KL 5/10/2022	8 to 12
Ethylene Oxide			EPA TO-15	0	ppbV	ND 0.0232	KL 5/10/2022	
ETO Results by EPA Method TO-15								
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	70.9157	ug/m3		KL 5/10/2022	57.22 to 85.84
Ethylene Oxide			EPA TO-15	0	ug/m3	ND 0.0418	KL 5/10/2022	

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

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

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LABORATORY REPORT

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

ANALYTE	PARAMETER CODE NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 196380							
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	9.7625	ppbV		KL	5/10/2022	8 to 12
Ethylene Oxide	EPA TO-15	0.0524	ppbV	SQ	0.0232	KL	5/10/2022
ETO Results by EPA Method TO-15							
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	69.8313	ug/m3		KL	5/10/2022	57.22 to 85.84
Ethylene Oxide	EPA TO-15	0.0945	ug/m3	SQ	0.0418	KL	5/10/2022

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

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

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

Laboratory Contacts:

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

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LABORATORY REPORT

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

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 196380								
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	9.9881	ppbV		KL	5/10/2022	8 to 12
Ethylene Oxide		EPA TO-15	0	ppbV	ND	0.0232	KL 5/10/2022	
ETO Results by EPA Method TO-15								
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	71.445	ug/m3		KL	5/10/2022	57.22 to 85.84
Ethylene Oxide		EPA TO-15	0	ug/m3	ND	0.0418	KL 5/10/2022	

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

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

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

Laboratory Contacts:

Lab Director:	Mark Tolbert	470-524-0577
Inorganics:	Carmen Pyles	470-524-0629
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LABORATORY REPORT

TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 4/23/2022 Time Collected: 0:00 Sample Collector: J. BRYANT Chlorination: Sample Type: Received By: HZ
Sample ID: AK98174 Facility Name: FULTON F1-SA Site ID: F1-SA Location ID: Location Descr:	Date Received: 5/4/2022 Time Received: 10:52 AM Project: DATA STUDY Reporting Date: 6/27/2022 Received Temperature: 21.1 °C

ANALYTE	PARAMETER CODE NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 196380							
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	9.6869	ppbV		KL	5/10/2022	8 to 12
Ethylene Oxide	EPA TO-15	0.0789	ppbV	0.0232	KL	5/10/2022	
ETO Results by EPA Method TO-15							
Bromofluorobenzene(Surrogate QC Std.)	EPA TO-15	69.2905	ug/m3		KL	5/10/2022	57.22 to 85.84
Ethylene Oxide	EPA TO-15	0.1422	ug/m3	0.0418	KL	5/10/2022	

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

ug/L: micrograms/liter
 mg/L: milligrams/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
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LABORATORY REPORT

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

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 196636									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.4445	ppbV		HZ	5/17/2022	8 to 12
Ethylene Oxide			EPA TO-15	0.0793	ppbV	2	0.0232	HZ	5/17/2022
ETO Results by EPA Method TO-15									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	67.5566	ug/m3		HZ	5/17/2022	57.22 to 85.84
Ethylene Oxide			EPA TO-15	0.1429	ug/m3	2	0.0418	HZ	5/17/2022

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

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

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

LABORATORY REPORT

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

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range
ETO by EPA Method TO-15 QC Batch 196107									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.4427	ppbV		KL	4/28/2022	8 to 12
Ethylene Oxide			EPA TO-15	0.0647	ppbV	SQ 0.0232	KL	4/28/2022	
ETO Results by EPA Method TO-15									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	67.5437	ug/m3		KL	4/28/2022	57.22 to 85.84
Ethylene Oxide			EPA TO-15	0.1166	ug/m3	SQ 0.0418	KL	4/28/2022	

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

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

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

Laboratory Contacts:

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

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LABORATORY REPORT

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

ANALYTE	PARAMETER	EPA	RESULT	QUALIFIER	ANALYSIS	MCL or				
	CODE	NOTE		METHOD	RL	ANALYST	DATE	QC Range		
ETO by EPA Method TO-15 QC Batch 196380										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.8079	ppbV		KL	5/11/2022	8 to	12
Ethylene Oxide			EPA TO-15	0.0754	ppbV	0.0232	KL	5/11/2022		
ETO Results by EPA Method TO-15										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	70.156	ug/m3		KL	5/11/2022	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.1359	ug/m3	0.0418	KL	5/11/2022		
COMMENTS: \$ETO received in the lab at 5.6 psi.										

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



0 0.17 0.33
Miles



Site ID, Concentration ($\mu\text{g}/\text{m}^3$)

Ethylene Oxide Sampling
Covington, GA

04/11/2022

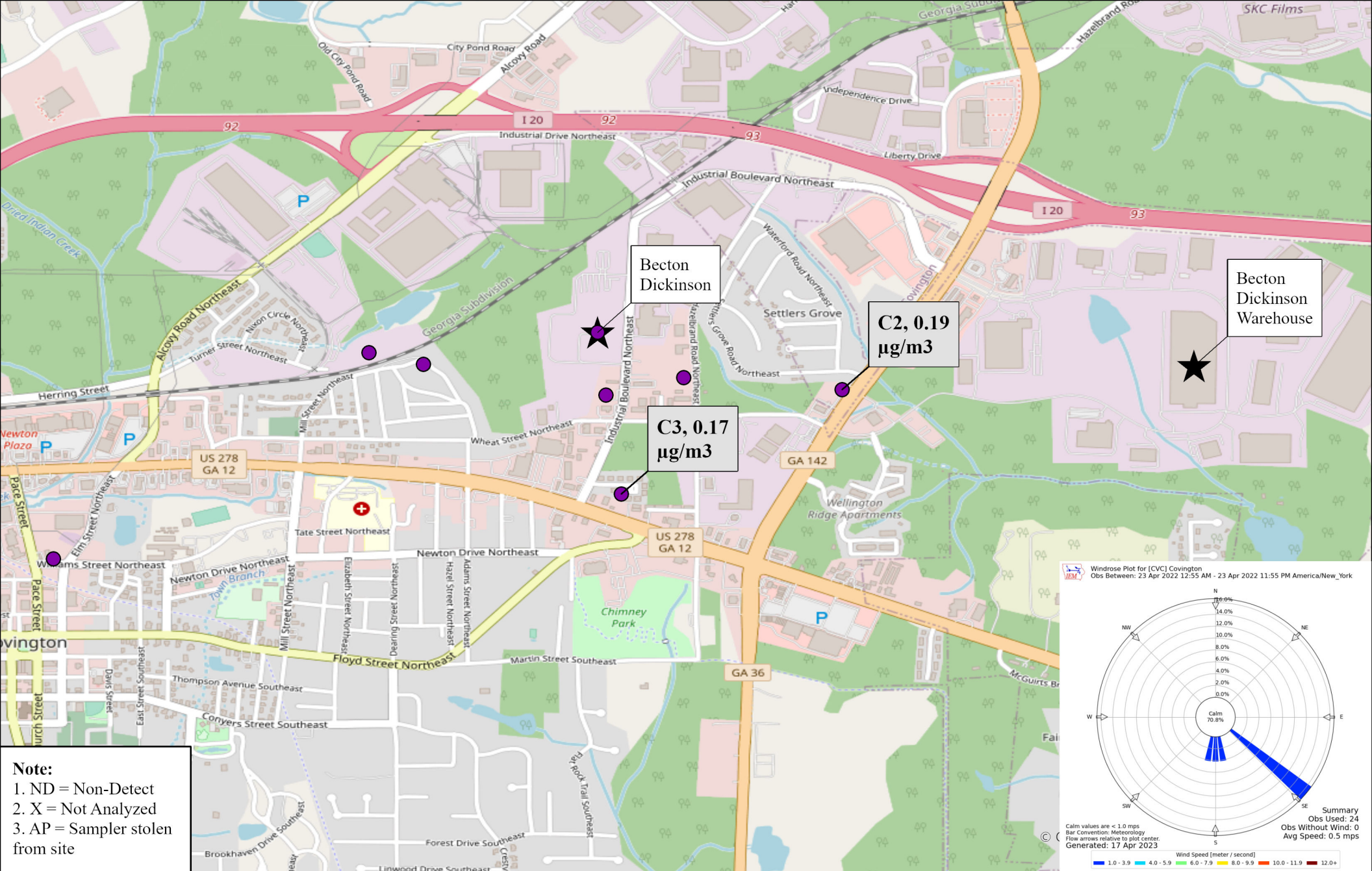
Sampled By: Georgia Environmental Protection Division

Analyzed By: Georgia Environmental Protection Division



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ENVIRONMENTAL PROTECTION DIVISION



0 0.17 0.33
 Miles



Site ID, Concentration (µg/m³)

Ethylene Oxide Sampling
 Covington, GA

04/23/2022

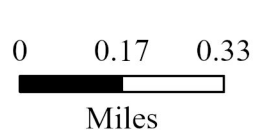
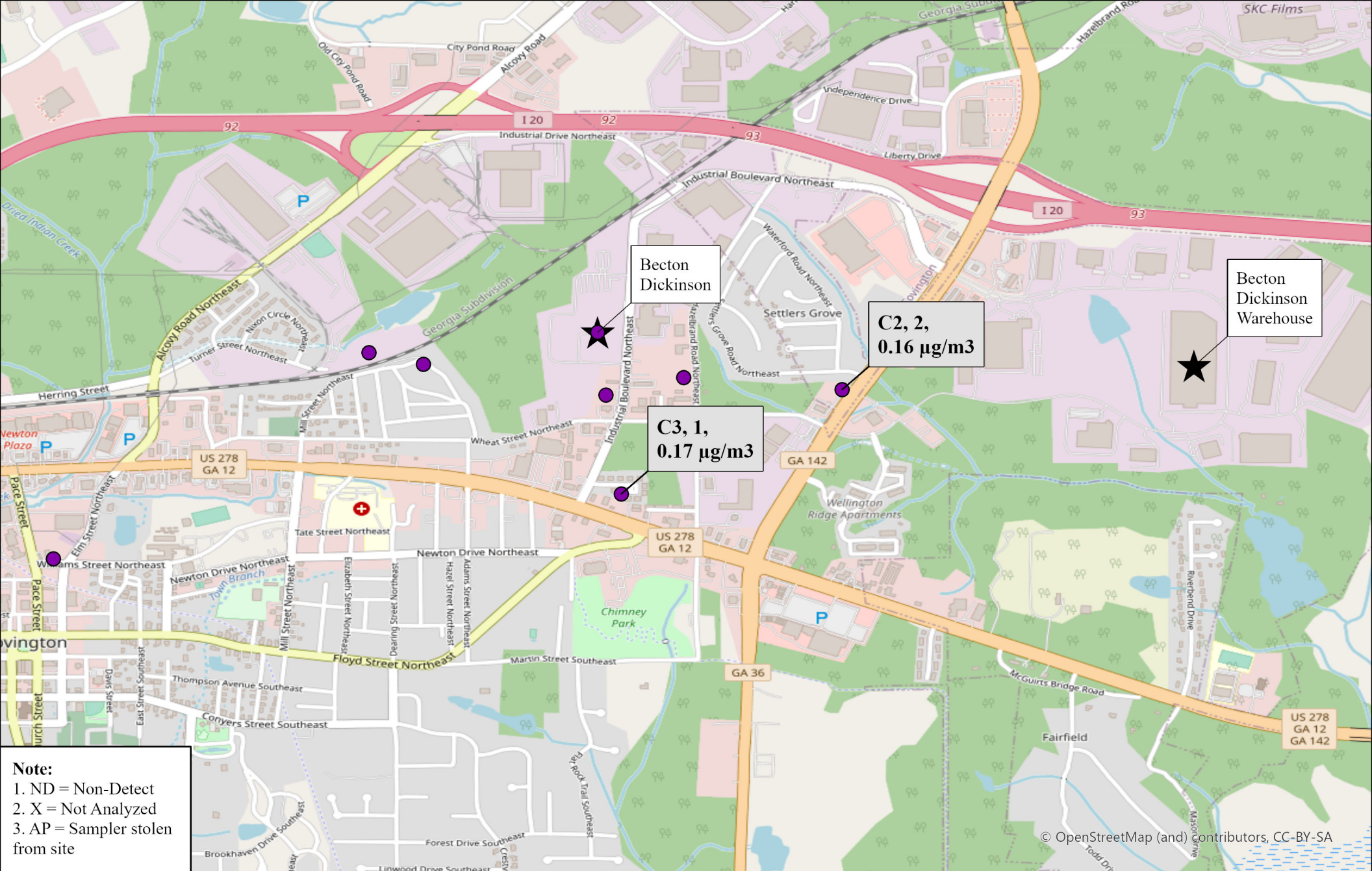
Sampled By: Georgia Environmental Protection Division

Analyzed By: Georgia Environmental Protection Division



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**Site ID, Number of Samples,
Concentration (µg/m3)**

Ethylene Oxide Sampling Covington, GA

April 2022 Site Average Values

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

Sampled By: Georgia Environmental Protection Division

Analyzed By: Georgia Environmental Protection Division



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