

November 28, 2022

MEMORANDUM

To: Karen Hays, Air Branch Chief *KH*

Through: James Boylan, Assistant Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: South DeKalb 2020 GA EPD Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were taken at our South DeKalb monitoring station in 2020 and analyzed by the Georgia Environmental Protection Laboratory. Samples were collected on the passive sampling system for comparison purposes to the analyses by Eastern Research Group (ERG). This comparison is part of the Community Scales Air Toxics Monitoring Grant awarded to Georgia EPD by EPA for evaluating new technologies for ethylene oxide measurement. The comparisons will be published in the final report for this grant. The Qualifier code of "2" was given to samples to indicate that the collection deviated from established procedures, but the integrity of the sample was not compromised. The Qualifier code of "DI" indicates the sample was diluted prior to 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 sample listed as AA indicates a sample pressure was out of limits. The samples listed as AF indicate that the sample was scheduled but not collected. The samples listed as AN indicate that the machine malfunctioned while collecting the sample. The sample listed as AL indicated the operator voided the sample.

Location	Date	Qualifier	EtO Concentration (µg/m ³)
South DeKalb	2/15/2020		AA
South DeKalb	3/10/2020		0.18
South DeKalb	3/16/2020		AN
South DeKalb	3/22/2020		AL
South DeKalb	3/28/2020		0.18
South DeKalb	5/29/2020	2	0.21
South DeKalb	6/2/2020		AF
South DeKalb	6/8/2020		0.87
South DeKalb	6/20/2020		AF
South DeKalb	6/26/2020	SQ	0.10
South DeKalb	7/8/2020	2	0.99
South DeKalb	7/14/2020		0.63

South DeKalb	7/20/2020			0.17
South DeKalb	7/26/2020			1.19
South DeKalb	8/7/2020			0.72
South DeKalb	8/13/2020			0.34
South DeKalb	8/19/2020		DI	5.72
South DeKalb	8/25/2020		2	1.08
South DeKalb	8/31/2020		2	0.75
South DeKalb	9/5/2020			0.56
South DeKalb	9/6/2020			AF
South DeKalb	9/12/2020			0.53
South DeKalb	9/18/2020			0.74
South DeKalb	9/24/2020		2	0.22
South DeKalb	9/30/2020			AF
South DeKalb	10/6/2020			0.23
South DeKalb	10/12/2020			1.36
South DeKalb	10/18/2020		SQ, 2	0.09
South DeKalb	10/24/2020		2	0.86
South DeKalb	10/30/2020		DI, 2	3.72
South DeKalb	11/5/2020		2	2.26
South DeKalb	11/11/2020		2	0.17
South DeKalb	11/17/2020		2	1.11
South DeKalb	11/23/2020		2	0.17
South DeKalb	11/29/2020			AF
South DeKalb	12/5/2020		2	0.57
South DeKalb	12/11/2020			0.38
South DeKalb	12/17/2020		2	0.09
South DeKalb	12/23/2020		2	0.24
South DeKalb	12/29/2020			0.14

If you have any questions, please let me know.

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

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

LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 2/15/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 110327 Canister Cleaned: 2/10/2020 Received By: KL Date Received: 2/18/2020 Time Received: 11:18 AM Project: AIR Reporting Date: 8/14/2020 Received Temperature: 21.3 °C
Sample ID: AK41088 Facility Name: S. DEKALB Site ID: 13-089-0002 Location ID: QCCAN Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER	RL	ANALYSIS ANALYST	DATE	MCL or QC Range
ETO by Canister & GC/MS QC Batch 183361										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.0792	ppbV			KL	2/19/2020	8 to 12
Ethylene Oxide			EPA TO-15	0.0447	ppbV	2 SQ	0.028	KL	2/19/2020	
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	64.9436	ug/m3			KL	2/19/2020	57.22 to 85.84
Ethylene Oxide			EPA TO-15	0.0806	ug/m3	2 SQ	0.0505	KL	2/19/2020	

COMMENTS: \$ETO received in the lab at 0 psi. Pressure change of >0.5 psi between receipt from field and receipt in lab.

**The sample was taken on a passive sampler and EPD uses the following criteria:
Pressure change of <3 inHg between receipt from field and receipt from lab. KE 09/01/2020**

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 678-248-7388
 Inorganics: Kristy Hrehor 678-248-7450
 Metals: Shene Jones 678-248-7440
 Organics: Daniel Durham 678-248-7420
 GC Mass Spec: Ralph Schulz 678-248-7410
 Microbiology: Avionne Fortner 678-248-7400

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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 3/28/2020 Time Collected: 0:00 Sample Collector: J. GORE Canister Number: 110304 Canister Cleaned: 2/28/2020 Received By: KL
Sample ID: AK42362 Facility Name: SOUTH DEKALB QA Site ID: 013-089-0002 Location ID: Location Descr:	Date Received: 4/1/2020 Time Received: 12:38 PM Project: AIR Reporting Date: 8/27/2020 Received Temperature: 17.3 °C

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 183908										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.4867	ppbV		KL	4/2/2020	8 to	12
Ethylene Oxide			EPA TO-15	0.0995	ppbV	0.028	KL	4/2/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	67.8585	ug/m3		KL	4/2/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.1794	ug/m3	0.0505	KL	4/2/2020		

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
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 Organics: Daniel Durham 678-248-7420
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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 3/22/2020 Time Collected: 0:00 Sample Collector: J. GORE Canister Number: 114331 Canister Cleaned: 2/28/2020 Received By: KL
Sample ID: AK42363 Facility Name: SOUTH DEKALB QA Site ID: 013-089-0002 Location ID: Location Descr:	Date Received: 3/25/2020 Time Received: 12:34 PM Project: AIR Reporting Date: 8/27/2020 Received Temperature: 25.3 °C

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	AL		ppbV		KL	3/30/2020	8 to	12
Ethylene Oxide		EPA TO-15	AL		ppbV	0.028	KL	3/30/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	AL		ug/m3		KL	3/30/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15	AL		ug/m3	0.0505	KL	3/30/2020		

COMMENTS: \$ETO received in the lab at -18.5 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
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 LSPC: result less than lower specification
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Laboratory Contacts:

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 Inorganics: Kristy Hrehor 678-248-7450
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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 3/10/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 110315 Canister Cleaned: 2/28/2020 Received By: KL
Sample ID: AK42365 Facility Name: SOUTH DEKALB QA Site ID: 013-089-0002 Location ID: Location Descr:	Date Received: 3/12/2020 Time Received: 10:53 AM Project: AIR Reporting Date: 8/27/2020 Received Temperature: 25.8 °C

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 183779										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.5445	ppbV		KL	3/23/2020	8 to	12
Ethylene Oxide			EPA TO-15	0.0992	ppbV	0.028	KL	3/23/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	68.2719	ug/m3		KL	3/23/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.1788	ug/m3	0.0505	KL	3/23/2020		

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

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 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
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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 5/29/2020 Time Collected: 0:00 Sample Collector: J. GORE Canister Number: 35450 Canister Cleaned: 4/27/2020 Received By: KL Date Received: 6/4/2020 Time Received: 11:02 AM Project: AIR Reporting Date: 8/14/2020 Received Temperature: 19.5 °C
Sample ID: AK46103 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: QCCAN Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO by Canister & GC/MS QC Batch 184710										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		9.2368	ppbV		KL	6/4/2020	8 to	12
Ethylene Oxide		EPA TO-15		0.1161	ppbV	0.028	KL	6/4/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		66.0709	ug/m3		KL	6/4/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15		0.2093	ug/m3	0.0505	KL	6/4/2020		

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

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

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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 6/2/2020 Time Collected: 0:00 Sample Collector: Canister Number: 35013 Canister Cleaned: 5/11/2020 Received By: KL Date Received: 6/25/2020 Time Received: 1:50 PM Project: AIR Reporting Date: 8/14/2020
Sample ID: AK46849 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: QCCAN Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	AQ	ppbV			KL	6/25/2020	8 to	12
Ethylene Oxide		EPA TO-15	AQ	ppbV		0.028	KL	6/25/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	AQ	ug/m3			KL	6/25/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15	AQ	ug/m3		0.0505	KL	6/25/2020		

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

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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 6/8/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35007 Canister Cleaned: 5/11/2020 Received By: KL Date Received: 6/17/2020 Time Received: 11:28 AM Project: AIR Reporting Date: 8/14/2020 Received Temperature: 20.9 °C
Sample ID: AK46850 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range	
ETO by Canister & GC/MS QC Batch 184970								
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	9.1414	ppbV		KL 6/18/2020	8 to	12
Ethylene Oxide		EPA TO-15	0.4814	ppbV	0.028	KL 6/18/2020		
ETO result in ug/m3 by Canister & GC/MS								
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	65.3885	ug/m3		KL 6/18/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.8678	ug/m3	0.0505	KL 6/18/2020		

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

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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 6/26/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35457 Canister Cleaned: 6/2/2020 Received By: KL Date Received: 7/7/2020 Time Received: 11:08 AM Project: AIR Reporting Date: 8/14/2020 Received Temperature: 24.5 °C
Sample ID: AK46934 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: QCCAN Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE METHOD	RESULT	UNITS	QUALIFIER	RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO by Canister & GC/MS QC Batch 185292										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	9.2929	ppbV			KL	7/8/2020	8 to	12
Ethylene Oxide		EPA TO-15	0.0582	ppbV	SQ	0.028	KL	7/8/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	66.4722	ug/m3			KL	7/8/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1049	ug/m3	SQ	0.0505	KL	7/8/2020		

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

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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 6/20/2020 Time Collected: 0:00 Sample Collector: Canister Number: 35448 Canister Cleaned: 6/2/2020 Received By: KL Date Received: 7/7/2020 Time Received: 11:58 AM Project: AIR Reporting Date: 8/14/2020
Sample ID: AK46935 Facility Name: S. DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	AF	ppbV		KL	7/7/2020	8 to	12
Ethylene Oxide			EPA TO-15	AF	ppbV	0.028	KL	7/7/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	AF	ug/m3		KL	7/7/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	AF	ug/m3	0.0505	KL	7/7/2020		

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

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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 7/8/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35471 Canister Cleaned: 6/2/2020 Received By: KL Date Received: 7/17/2020 Time Received: 8:59 AM Project: AIR Reporting Date: 9/16/2020 Received Temperature: 23.1 °C
Sample ID: AK46936 Facility Name: SOUTH DEKALB QA Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 185528									
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	8.6287	ppbV		KL	7/17/2020	8 to	12
Ethylene Oxide		EPA TO-15	0.5484	ppbV	2 0.028	KL	7/17/2020		
ETO result in ug/m3 by Canister & GC/MS									
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	61.7212	ug/m3		KL	7/17/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.9885	ug/m3	0.0505	KL	7/17/2020		

COMMENTS: \$ETO received in the lab at 5.5 in Hg. Pressure change of >0.5 in Hg 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

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Laboratory Contacts:

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 Inorganics: Kristy Hrehor 678-248-7450
 Metals: Shene Jones 678-248-7440
 Organics: Daniel Durham 678-248-7420
 GC Mass Spec: Ralph Schulz 678-248-7410
 Microbiology: Avionne Fortner 678-248-7400

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

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

LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 7/20/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35009 Canister Cleaned: 6/26/2020 Received By: KL Date Received: 7/29/2020 Time Received: 9:57 AM Project: AIR Reporting Date: 9/16/2020 Received Temperature: 21.7 °C
Sample ID: AK49485 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: QCCAN Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 185807								
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	8.2884	ppbV		KL 8/3/2020	8 to	12
Ethylene Oxide		EPA TO-15	0.0936	ppbV	0.028	KL 8/3/2020		
ETO result in ug/m3 by Canister & GC/MS								
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	59.287	ug/m3		KL 8/3/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.1687	ug/m3	0.0505	KL 8/3/2020		

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:

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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 7/14/2020 Time Collected: 0:00 Sample Collector: J. BRYANS Canister Number: 35644 Canister Cleaned: 6/26/2020 Received By: KL Date Received: 7/22/2020 Time Received: 9:32 AM Project: AIR Reporting Date: 9/16/2020 Received Temperature: 25.1 °C
Sample ID: AK49486 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 185659										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.1379	ppbV		KL	7/24/2020	8 to	12
Ethylene Oxide			EPA TO-15	0.3471	ppbV	2	0.028	KL	7/24/2020	
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	65.3635	ug/m3		KL	7/24/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.6257	ug/m3	2	0.0505	KL	7/24/2020	

COMMENTS: \$ETO received in the lab at 5 in Hg. Pressure change of >0.5 in Hg 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

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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 7/26/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35733 Canister Cleaned: 6/26/2020 Received By: KL Date Received: 8/5/2020 Time Received: 12:05 PM Project: AIR Reporting Date: 9/16/2020 Received Temperature: 20.5 °C
Sample ID: AK49487 Facility Name: south dekalb Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 185863								
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	8.6485	ppbV		KL 8/5/2020	8 to	12
Ethylene Oxide		EPA TO-15	0.6580	ppbV	0.028	KL 8/5/2020		
ETO result in ug/m3 by Canister & GC/MS								
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	61.8628	ug/m3		KL 8/5/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15	1.1861	ug/m3	0.0505	KL 8/5/2020		

COMMENTS: \$ETO received in the 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
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 TIE: Tentatively Identified or Estimated
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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 7/26/2020 Time Collected: 0:00 Sample Collector: Canister Number: 35771 Canister Cleaned: 6/26/2020 Received By: KL Date Received: 8/12/2020 Time Received: 1:31 PM Project: AIR Reporting Date: 9/16/2020
Sample ID: AK49488 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	AF	ppbV		HZ 8/14/2020	8 to	12
Ethylene Oxide			EPA TO-15	AF	ppbV	0.028	HZ 8/14/2020		
ETO result in ug/m3 by Canister & GC/MS									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	AF	ug/m3		HZ 8/14/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	AF	ug/m3	0.0505	HZ 8/14/2020		

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 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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 TIE: Tentatively Identified or Estimated
 VIOL: Violation (result exceeds MCL)

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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 8/7/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35007 Canister Cleaned: 7/20/2020 Received By: KL
Sample ID: AK51529 Facility Name: SOUTH DEKALB QA Site ID: 013-089-0002 Location ID: QCCAN Location Descr:	Date Received: 8/12/2020 Time Received: 9:31 AM Project: AIR Reporting Date: 10/16/2020 Received Temperature: 20.9 °C

ANALYTE	PARAMETER CODE	EPA NOTE METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 186088								
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	8.640	ppbV		HZ	8/13/2020	8 to 12
Ethylene Oxide		EPA TO-15	0.4006	ppbV	0.028	HZ	8/13/2020	
ETO result in ug/m3 by Canister & GC/MS								
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	61.802	ug/m3		HZ	8/13/2020	57.22 to 85.84
Ethylene Oxide		EPA TO-15	0.7221	ug/m3	0.0505	HZ	8/13/2020	

COMMENTS: \$ETO received in the lab at 2 in Hg.

ug/L: micrograms/liter
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 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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 USPC: result greater than upper specification
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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 8/25/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35013 Canister Cleaned: 7/20/2020 Received By: KL Date Received: 9/2/2020 Time Received: 10:20 AM Project: AIR Reporting Date: 10/16/2020 Received Temperature: 23.9 °C
Sample ID: AK51531 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 186502										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	8.8196	ppbV		KL	9/4/2020	8 to	12
Ethylene Oxide			EPA TO-15	0.5979	ppbV	0.028	KL	9/4/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	63.0867	ug/m3		KL	9/4/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	1.0777	ug/m3	0.0505	KL	9/4/2020		

COMMENTS: \$ETO received in the lab at 1 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
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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 8/31/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35799 Canister Cleaned: 7/27/2020 Received By: KL Date Received: 9/2/2020 Time Received: 10:20 AM Project: AIR Reporting Date: 10/16/2020 Received Temperature: 24.4 °C
Sample ID: AK52474 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: QCCAN Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 186455										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	8.8235	ppbV		KL	9/3/2020	8 to	12
Ethylene Oxide			EPA TO-15	0.4179	ppbV	0.028	KL	9/3/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	63.1146	ug/m3		KL	9/3/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.7533	ug/m3	0.0505	KL	9/3/2020		

COMMENTS: \$ETO received in the lab at 2 in Hg.

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

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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 8/13/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35651 Canister Cleaned: 7/27/2020 Received By: HZ Date Received: 8/18/2020 Time Received: 9:27 AM Project: AIR Reporting Date: 10/16/2020 Received Temperature: 25.8 °C
Sample ID: AK55445 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 186133								
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	8.444	ppbV		HZ 8/18/2020	8 to	12
Ethylene Oxide		EPA TO-15	0.1883	ppbV	0.028	HZ 8/18/2020		
ETO result in ug/m3 by Canister & GC/MS								
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15	60.4	ug/m3		HZ 8/18/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15	0.3394	ug/m3	0.0505	HZ 8/18/2020		

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

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

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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: 8/19/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35872 Canister Cleaned: 9/2/2020 <small>email from Lab can cleaned 7/27/20</small> Received By: HZ Date Received: 9/2/2020 Time Received: 3:37 PM Project: AIR Reporting Date: 10/16/2020
Sample ID: AK57040 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER	RL	ANALYSIS ANALYST	DATE	MCL or QC Range
ETO Data Study by Canister & GC/MS QC Batch 186455										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	8.6082	ppbV			KL	9/2/2020	8 to 12
Ethylene Oxide			EPA TO-15	3.171	ppbV	DI	0.14	KL	9/2/2020	
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	61.5746	ug/m3			KL	9/2/2020	57.22 to 85.84
Ethylene Oxide			EPA TO-15	5.7159	ug/m3	DI	0.2524	KL	9/2/2020	

COMMENTS: \$ETO - EPA ETO - <DI> Sample required dilution due to high levels of Ethylene Oxide, reporting limits elevated due to high levels of target compound in the sample. Canister had an original analysis and then a second analysis which was a dilution analysis, values agreed within 10%.

COMMENTS: \$ETO received in the lab at 1.5 in Hg.

COMMENTS: \$ETO-UGM3- EPA TO-15- Canister had an original analysis and then a second analysis which was a dilution analysis, values agreed within 10%.

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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 9/5/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35644 Canister Cleaned: 8/17/2020 Received By: HZ Date Received: 9/15/2020 Time Received: 10:11 AM Project: AIR Reporting Date: 11/13/2020 Received Temperature: 21.6 °C
Sample ID: AK55306 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: QCCAN Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range
ETO Data Study by Canister & GC/MS QC Batch 186798									
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		8.6383	ppbV	2	KL	9/22/2020	8 to 12
Ethylene Oxide		EPA TO-15		0.3067	ppbV	2	0.028 KL	9/22/2020	
ETO result in ug/m3 by Canister & GC/MS									
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		61.7899	ug/m3	2	KL	9/22/2020	57.22 to 85.84
Ethylene Oxide		EPA TO-15		0.5528	ug/m3	2	0.0505 KL	9/22/2020	

COMMENTS: \$ETO received in the lab at 1.5 in Hg. Pressure change of >1.0 in Hg between receipt from field and receipt in lab.

ug/L: micrograms/liter
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LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 9/6/2020 Time Collected: 0:00 Sample Collector: Canister Number: 35009 Canister Cleaned: 8/17/2020 Received By: HZ Date Received: 10/2/2020 Time Received: 10:38 AM Project: AIR Reporting Date: 11/13/2020
Sample ID: AK55307 Facility Name: SOUTH DEKALB ETO 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 Data Study by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)	L		EPA TO-15	Not Detected	ppbV		HZ	10/2/2020	8 to	12
Ethylene Oxide			EPA TO-15	AF	ppbV	0.028	HZ	10/2/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)	L		EPA TO-15	0	ug/m3	ND	HZ	10/2/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	AF	ug/m3	ND 0.0505	HZ	10/2/2020		

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(678) 248-7383

LABORATORY REPORT

TO: Sid Stephens EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 9/12/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35457 Canister Cleaned: 8/17/2020 Received By: HZ
Sample ID: AK55308 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	Date Received: 9/22/2020 Time Received: 9:25 AM Project: AIR Reporting Date: 11/13/2020 Received Temperature: 22.2 °C

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 186798										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.1631	ppbV		KL	9/23/2020	8 to	12
Ethylene Oxide			EPA TO-15	0.2923	ppbV	0.028	KL	9/23/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	65.5438	ug/m3		KL	9/23/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.5269	ug/m3	0.0505	KL	9/23/2020		

COMMENTS: \$ETO received in the lab at 2 in Hg.

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

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 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 678-248-7388
 Inorganics: Kristy Hrehor 678-248-7450
 Metals: Shene Jones 678-248-7440
 Organics: Daniel Durham 678-248-7420
 GC Mass Spec: Ralph Schulz 678-248-7410
 Microbiology: Avionne Fortner 678-248-7400

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

5804 Peachtree Corners East, Norcross, GA 30092-3403
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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: 9/30/2020 Time Collected: 0:00 Sample Collector: Canister Number: 35771 Canister Cleaned: 9/14/2020 Received By: KL Date Received: 10/20/2020 Time Received: 9:29 AM Project: AIR Reporting Date: 11/13/2020
Sample ID: AK57549 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: QCCAN Location Descr:	

ANALYTE	PARAMETER CODE	NOTE	EPA METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)	L		EPA TO-15	Not Detected	ppbV		HZ	10/20/2020	8 to	12
Ethylene Oxide			EPA TO-15	AF	ppbV	0.028	HZ	10/20/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)	L		EPA TO-15	0	ug/m3	ND	HZ	10/20/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	AF	ug/m3	ND 0.0505	HZ	10/20/2020		

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 ug/kg: micrograms/kilogram
 ug/g: micrograms/gram
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Laboratory Contacts:

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 Metals: Shene Jones 678-248-7440
 Organics: Daniel Durham 678-248-7420
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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: 9/18/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35801 Canister Cleaned: 9/14/2020 Received By: KL Date Received: 9/28/2020 Time Received: 12:06 PM Project: AIR Reporting Date: 11/13/2020 Received Temperature: 22.9 °C
Sample ID: AK57550 Facility Name: SOUTH DEKALB ETO QA Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 186964										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.2762	ppbV		KL	9/30/2020	8 to	12
Ethylene Oxide			EPA TO-15	0.4127	ppbV	0.028	KL	9/30/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	66.3528	ug/m3		KL	9/30/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.7439	ug/m3	0.0505	KL	9/30/2020		

COMMENTS: \$ETO received in the lab at 1 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: 9/24/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35007 Canister Cleaned: 9/14/2020 Received By: KL
Sample ID: AK57551 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	Date Received: 10/2/2020 Time Received: 11:09 AM Project: AIR Reporting Date: 11/13/2020 Received Temperature: 20.7 °C

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 187042										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	8.9476	ppbV		KL	10/2/2020	8 to	12
Ethylene Oxide			EPA TO-15	0.1204	ppbV	0.028	KL	10/2/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	64.0023	ug/m3		KL	10/2/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.217	ug/m3	0.0505	KL	10/2/2020		

COMMENTS: \$ETO received in the lab at 1 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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 Inorganics: Kristy Hrehor 678-248-7450
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 Organics: Daniel Durham 678-248-7420
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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: 10/6/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35792 Canister Cleaned: 9/14/2020 Received By: KL
Sample ID: AK57552 Facility Name: south dekalb Site ID: 013-089-0002 Location ID: Location Descr:	Date Received: 10/14/2020 Time Received: 9:33 AM Project: AIR Reporting Date: 12/15/2020 Received Temperature: 23.2 °C

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 187319										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	8.3064	ppbV		KL	10/20/2020	8 to	12
Ethylene Oxide			EPA TO-15	0.1256	ppbV	0.028	KL	10/20/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	59.4158	ug/m3		KL	10/20/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.2264	ug/m3	0.0505	KL	10/20/2020		

COMMENTS: \$ETO received in the lab at 1 in Hg.

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

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 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: 10/12/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35827 Canister Cleaned: 9/14/2020 Received By: KL
Sample ID: AK57553 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	Date Received: 10/20/2020 Time Received: 9:52 AM Project: AIR Reporting Date: 12/15/2020 Received Temperature: 20.5 °C

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 187582										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		10.0083	ppbV		KL	11/3/2020	8 to	12
Ethylene Oxide		EPA TO-15		0.7560	ppbV	0.028	KL	11/3/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		71.5895	ug/m3		KL	11/3/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15		1.3627	ug/m3	0.0505	KL	11/3/2020		

COMMENTS: \$ETO - EPA TO-15 - Sample had one internal standard, Chlorobenzene-d5 (58.8% recovery, limits 60-140%), with a recovery outside acceptable control limits. The other internal standard, Bromochloromethane, and the surrogate, BFB, were within acceptable control limits. Sample was collected at a sub-ambient pressure and does not have enough pressure for reanalysis. 7-110420-187

COMMENTS: \$ETO-UGM3 - EPA TO-15 - Sample had one internal standard, Chlorobenzene-d5 (58.8% recovery, limits 60-140%), with a recovery outside acceptable control limits. The other internal standard, Bromochloromethane, and the surrogate, BFB, were within acceptable control limits. Sample was collected at a sub-ambient pressure and does not have enough pressure for reanalysis. 7-110420-187

COMMENTS: \$ETO received in the lab at 1 in Hg.

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 ug/kg: micrograms/kilogram
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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: 10/18/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35648 Canister Cleaned: 10/1/2020 Received By: HZ
	Date Received: 10/27/2020 Time Received: 9:57 AM Project: AIR Reporting Date: 12/15/2020 Received Temperature: 23.5 °C
Sample ID: AK60669 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: QCCAN Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER	RL	ANALYST	ANALYSIS DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 187582											
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		9.8423	ppbV			KL	11/3/2020	8 to	12
Ethylene Oxide		EPA TO-15		0.0500	ppbV	SQ	0.028	KL	11/3/2020		
ETO result in ug/m3 by Canister & GC/MS											
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		70.4021	ug/m3			KL	11/3/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15		0.0901	ug/m3	SQ	0.0505	KL	11/3/2020		

COMMENTS: \$ETO received in the lab at 0 in Hg.

COMMENTS: \$ETO - EPA TO-15 - Sample had one internal standard, Chlorobenzene-d5 (48.37% recovery, limits 60-140%), with a recovery outside acceptable control limits. The other internal standard, Bromochloromethane, and the surrogate, BFB, were within acceptable control limits. Sample was collected at a sub-ambient pressure and does not have enough pressure for reanalysis. 7-110420-187

COMMENTS: \$ETO-UGM3 - EPA TO-15 - Sample had one internal standard, Chlorobenzene-d5 (48.37% recovery, limits 60-140%), with a recovery outside acceptable control limits. The other internal standard, Bromochloromethane, and the surrogate, BFB, were within acceptable control limits. Sample was collected at a sub-ambient pressure and does not have enough pressure for reanalysis. 7-110420-187

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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: 10/24/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35457 Canister Cleaned: 10/1/2020 Received By: HZ
	Date Received: 11/4/2020 Time Received: 9:27 AM Project: AIR Reporting Date: 12/15/2020 Received Temperature: 22.0 °C
Sample ID: AK60670 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 187779										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		10.0112	ppbV		KL	11/13/2020	8 to	12
Ethylene Oxide		EPA TO-15		0.4753	ppbV	0.028	KL	11/13/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		71.6102	ug/m3		KL	11/13/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15		0.8568	ug/m3	0.0505	KL	11/13/2020		

COMMENTS: \$ETO - EPA TO-15 - Sample had one internal standard, Chlorobenzene-d5 (51.1% recovery, limits 60-140%), with a recovery outside acceptable control limits. The other internal standard, Bromochloromethane, and the surrogate, BFB, were within acceptable control limits. Sample was collected at a sub-ambient pressure and does not have enough pressure for reanalysis. 7-111620-197

COMMENTS: \$ETO-UGM3 - EPA TO-15 - Sample had one internal standard, Chlorobenzene-d5 (51.1% recovery, limits 60-140%), with a recovery outside acceptable control limits. The other internal standard, Bromochloromethane, and the surrogate, BFB, were within acceptable control limits. Sample was collected at a sub-ambient pressure and does not have enough pressure for reanalysis. 7-111620-197

COMMENTS: \$ETO received in the lab at 9 in Hg.

ug/L: micrograms/liter
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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: 10/30/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35651 Canister Cleaned: 10/1/2020 Received By: HZ Date Received: 11/9/2020 Time Received: 9:49 AM Project: AIR Reporting Date: 12/15/2020 Received Temperature: 20.9 °C
Sample ID: AK60671 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 187779										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		9.3105	ppbV		KL	11/13/2020	8 to	12
Ethylene Oxide		EPA TO-15		2.0652	ppbV	DI 0.056	KL	11/13/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		66.5981	ug/m3		KL	11/13/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15		3.7226	ug/m3	DI 0.1009	KL	11/13/2020		

COMMENTS: \$ETO - EPA TO-15 - <DI> Sample required dilution due to high levels of Ethylene Oxide, reporting limits elevated due to high levels of target compound in the sample.
 Sample had one internal standard, Chlorobenzene-d5 (56.48% recovery, limits 60-140%), with a recovery outside acceptable control limits. The other internal standard, Bromochloromethane, and the surrogate, BFB, were within acceptable control limits.
 Sample was collected at a sub-ambient pressure and does not have enough pressure for reanalysis.
 7-111620-197

COMMENTS: \$ETO-UGM3 - EPA TO-15 - <DI> Sample required dilution due to high levels of Ethylene Oxide, reporting limits elevated due to high levels of target compound in the sample.
 Sample had one internal standard, Chlorobenzene-d5 (56.48% recovery, limits 60-140%), with a recovery outside acceptable control limits. The other internal standard, Bromochloromethane, and the surrogate, BFB, were within acceptable control limits.
 Sample was collected at a sub-ambient pressure and does not have enough pressure for reanalysis.
 7-111620-197

COMMENTS: \$ETO received in the lab at 0 in Hg.

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

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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: 11/5/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35872 Canister Cleaned: 10/19/2020 Received By: KL
	Date Received: 11/13/2020 Time Received: 9:23 AM Project: AIR Reporting Date: 1/15/2021 Received Temperature: 0.0 °C
Sample ID: AK62779 Facility Name: SDK ETO SOUTH DEKALB Site ID: 013-089-0002 Location ID: QCCAN Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 187779										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		9.2001	ppbV		KL	11/13/2020	8 to	12
Ethylene Oxide		EPA TO-15		1.2535	ppbV	0.028	KL	11/13/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		65.8084	ug/m3		KL	11/13/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15		2.2595	ug/m3	0.0505	KL	11/13/2020		

COMMENTS: \$ETO received in the lab at 0 in Hg.

ug/L: micrograms/liter
 mg/L: milligrams/liter
 mg/kg: milligrams/kilogram
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 ug/g: micrograms/gram
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(678) 248-7383

LABORATORY REPORT

TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 11/11/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35009 Canister Cleaned: 10/19/2020 Received By: KL Date Received: 11/19/2020 Time Received: 10:10 AM Project: AIR Reporting Date: 1/15/2021 Received Temperature: 19.9 °C
Sample ID: AK62780 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 187946										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		8.281	ppbV		HZ	11/20/2020	8 to	12
Ethylene Oxide		EPA TO-15		0.0964	ppbV	2 0.028	HZ	11/20/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		59.2341	ug/m3		HZ	11/20/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15		0.1738	ug/m3	2 0.0505	HZ	11/20/2020		

COMMENTS: \$ETO received in the lab at 1.5 in Hg. Pressure change of >0.5 in Hg 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 678-248-7388
 Inorganics: Kristy Hrehor 678-248-7450
 Metals: Shene Jones 678-248-7440
 Organics: Daniel Durham 678-248-7420
 GC Mass Spec: Ralph Schulz 678-248-7410
 Microbiology: Avionne Fortner 678-248-7400

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

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

LABORATORY REPORT

TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 11/17/2020 Time Collected: 0:00 Sample Collector: J. B. Canister Number: 35821 Canister Cleaned: 10/19/2020 Received By: KL
	Date Received: 11/25/2020 Time Received: 10:29 AM Project: AIR Reporting Date: 1/15/2021 Received Temperature: 22.4 °C
Sample ID: AK62781 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 188049										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		9.1648	ppbV	1	KL	12/2/2020	8 to	12
Ethylene Oxide		EPA TO-15		0.6149	ppbV		0.028	KL	12/2/2020	
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		65.5559	ug/m3	1	KL	12/2/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15		1.1084	ug/m3		0.0505	KL	12/2/2020	

COMMENTS: \$ETO received in the lab at 0.4 psi.

COMMENTS: \$ETO - EPA TO-15 - <1>Sample had one internal standard, Chlorobenzene-d5 (58.37% recovery, limits 60-140%), with a recovery outside acceptable control limits. The other internal standard, Bromochloromethane, and the surrogate, BFB, were within acceptable control limits. Sample was collected at a sub-ambient pressure and does not have enough pressure for reanalysis. 7-120420-211

COMMENTS: \$ETO-UGM3 - EPA TO-15 - <1> Sample had one internal standard, Chlorobenzene-d5 (58.37% recovery, limits 60-140%), with a recovery outside acceptable control limits. The other internal standard, Bromochloromethane, and the surrogate, BFB, were within acceptable control limits. Sample was collected at a sub-ambient pressure and does not have enough pressure for reanalysis. 7-120420-211

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

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 TIE: Tentatively Identified or Estimated
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Laboratory Contacts:

Lab Director: Mark Tolbert 678-248-7388
 Inorganics: Kristy Hrehor 678-248-7450
 Metals: Shene Jones 678-248-7440
 Organics: Daniel Durham 678-248-7420
 GC Mass Spec: Ralph Schulz 678-248-7410
 Microbiology: Avionne Fortner 678-248-7400

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(678) 248-7383

LABORATORY REPORT

TO: Ga EPD Air Program EPD Air Prot Ambient Monitoring 4244 International Pkwy Ste 120 Atlanta, GA 30354	Date Collected: 11/23/2020 Time Collected: 0:00 Sample Collector: J.B. Canister Number: 35815 Canister Cleaned: 11/12/2020 Received By: KL Date Received: 11/25/2020 Time Received: 10:29 AM Project: AIR Reporting Date: 1/15/2021 Received Temperature: 22.3 °C
Sample ID: AK64351 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 188049										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		9.1733	ppbV		KL	12/3/2020	8 to	12
Ethylene Oxide		EPA TO-15		0.0928	ppbV	0.028	KL	12/3/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		65.6167	ug/m3		KL	12/3/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15		0.1673	ug/m3	0.0505	KL	12/3/2020		

COMMENTS: \$ETO received in the lab at 0.4 psi.

COMMENTS: \$ETO - EPA TO-15 - Sample had one internal standard, Chlorobenzene-d5 (53.18% recovery, limits 60-140%), with a recovery outside acceptable control limits. The other internal standard, Bromochloromethane, and the surrogate, BFB, were within acceptable control limits. Sample was collected at a sub-ambient pressure and does not have enough pressure for reanalysis. 7-120420-211

COMMENTS: \$ETO-UGM3 - EPA TO-15 - Sample had one internal standard, Chlorobenzene-d5 (% recovery, limits 60-140%), with a recovery outside acceptable control limits. The other internal standard, Bromochloromethane, and the surrogate, BFB, were within acceptable control limits. Sample was collected at a sub-ambient pressure and does not have enough pressure for reanalysis. 7-120420-211

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

Laboratory Contacts:

Lab Director: Mark Tolbert 678-248-7388
 Inorganics: Kristy Hrehor 678-248-7450
 Metals: Shene Jones 678-248-7440
 Organics: Daniel Durham 678-248-7420
 GC Mass Spec: Ralph Schulz 678-248-7410
 Microbiology: Avionne Fortner 678-248-7400

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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: 11/29/2020 Time Collected: 0:00 Sample Collector: Canister Number: 35771 Canister Cleaned: 11/12/2020 Received By: KL Date Received: 12/3/2020 Time Received: 8:36 AM Project: AIR Reporting Date: 1/15/2021
Sample ID: AK64352 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	AF	ppbV		HZ	12/3/2020	8 to 12
Ethylene Oxide			EPA TO-15	AF	ppbV	0.028	HZ	12/3/2020	
ETO result in ug/m3 by Canister & GC/MS									
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	AF	ug/m3	ND	HZ	12/3/2020	57.22 to 85.84
Ethylene Oxide			EPA TO-15	AF	ug/m3	ND	0.0505	HZ	12/3/2020

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

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 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 678-248-7388
 Inorganics: Kristy Hrehor 678-248-7450
 Metals: Shene Jones 678-248-7440
 Organics: Daniel Durham 678-248-7420
 GC Mass Spec: Ralph Schulz 678-248-7410
 Microbiology: Avionne Fortner 678-248-7400

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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: 12/5/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35806 Canister Cleaned: 11/12/2020 Received By: KL
	Date Received: 12/15/2020 Time Received: 9:46 AM Project: AIR Reporting Date: 2/15/2021 Received Temperature: 12.7 °C
Sample ID: AK64347 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: QCCAN Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 188347										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		8.4134	ppbV		HZ	12/16/2020	8 to	12
Ethylene Oxide		EPA TO-15		0.3151	ppbV	0.028	HZ	12/16/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		60.1811	ug/m3		HZ	12/16/2020	57.22 to	85.84
Ethylene Oxide		EPA TO-15		0.568	ug/m3	0.0505	HZ	12/16/2020		

COMMENTS: \$ETO received in the lab at 0 in Hg.

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

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Laboratory Contacts:

Lab Director: Mark Tolbert 678-248-7388
 Inorganics: Kristy Hrehor 678-248-7450
 Metals: Shene Jones 678-248-7440
 Organics: Daniel Durham 678-248-7420
 GC Mass Spec: Ralph Schulz 678-248-7410
 Microbiology: Avionne Fortner 678-248-7400

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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: 12/11/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35701 Canister Cleaned: 11/12/2020 Received By: KL Date Received: 12/21/2020 Time Received: 10:20 AM Project: AIR Reporting Date: 2/15/2021 Received Temperature: 11.9 °C
Sample ID: AK64348 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 188481										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.8024	ppbV	2	KL	12/30/2020	8 to	12
Ethylene Oxide			EPA TO-15	0.2101	ppbV	2	0.016 KL	12/30/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	70.1167	ug/m3	2	KL	12/30/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.3787	ug/m3	2	0.0288 KL	12/30/2020		

COMMENTS: \$ETO received in the lab at 0 in Hg. Pressure change of >1.0 in Hg between receipt from field and receipt in lab.

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 mg/kg: milligrams/kilogram
 ug/kg: micrograms/kilogram
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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: 12/29/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35457 Canister Cleaned: 12/7/2020 Received By: KL Date Received: 1/7/2021 Time Received: 9:53 AM Project: AIR Reporting Date: 2/15/2021 Received Temperature: 22.5 °C
Sample ID: AK65735 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: QCCAN Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 188538										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.5230	ppbV		KL	1/7/2021	8 to	12
Ethylene Oxide			EPA TO-15	0.0772	ppbV	0.016	KL	1/7/2021		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	68.1181	ug/m3		KL	1/7/2021	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.1392	ug/m3	0.0288	KL	1/7/2021		

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

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Laboratory Contacts:

Lab Director: Mark Tolbert 678-248-7388
 Inorganics: Kristy Hrehor 678-248-7450
 Metals: Shene Jones 678-248-7440
 Organics: Daniel Durham 678-248-7420
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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: 12/23/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35792 Canister Cleaned: 12/7/2020 Received By: KL
Sample ID: AK65736 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	Date Received: 12/31/2020 Time Received: 9:59 AM Project: AIR Reporting Date: 2/15/2021 Received Temperature: 19.2 °C

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 188501										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		9.8713	ppbV	2	KL	1/4/2021	8 to	12
Ethylene Oxide		EPA TO-15		0.1313	ppbV	2	0.016 KL	1/4/2021		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)		EPA TO-15		70.6095	ug/m3	2	KL	1/4/2021	57.22 to	85.84
Ethylene Oxide		EPA TO-15		0.2367	ug/m3	2	0.0288 KL	1/4/2021		

COMMENTS: \$ETO received in the lab at 0.8 psi. Pressure change of >0.5 psi between receipt from field and receipt in lab.

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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: 12/17/2020 Time Collected: 0:00 Sample Collector: J. BRYANT Canister Number: 35872 Canister Cleaned: 12/7/2020 Received By: KL Date Received: 12/28/2020 Time Received: 11:24 AM Project: AIR Reporting Date: 2/15/2021 Received Temperature: 14.1 °C
Sample ID: AK65737 Facility Name: SOUTH DEKALB Site ID: 013-089-0002 Location ID: Location Descr:	

ANALYTE	PARAMETER CODE	EPA NOTE	METHOD	RESULT	UNITS	QUALIFIER RL	ANALYSIS ANALYST	DATE	MCL or QC Range	
ETO Data Study by Canister & GC/MS QC Batch 188481										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	9.4809	ppbV	2	KL	12/30/2020	8 to	12
Ethylene Oxide			EPA TO-15	0.0515	ppbV	2	0.016 KL	12/30/2020		
ETO result in ug/m3 by Canister & GC/MS										
Bromofluorobenzene(Surrogate QC Std.)			EPA TO-15	67.817	ug/m3	2	KL	12/30/2020	57.22 to	85.84
Ethylene Oxide			EPA TO-15	0.0928	ug/m3	2	0.0288 KL	12/30/2020		

COMMENTS: \$ETO received in the lab at 0.8 psi. Pressure change of >0.5 psi between receipt from field and receipt in lab.

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