

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

November 30, 2021

MEMORANDUM

To: Karen Hays, Air Branch Chief

Through: James Boylan, Assistant Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: Covington May 16-June 3, 2021, Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of May 16-June 3, 2021, by the Ambient Monitoring Program in the Covington area to characterize the EtO concentration. Each of the samples were sent to Eastern Research Group (ERG) for analysis.

The Qualifier code of "LK" was given by ERG to indicate that the sample may be biased high. 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. No samples were taken at location C1, C6, C8, or C9 during this period.

Location	Date	Qualifier	EtO Concentration (ug/m³)
C2	05/16/2021		0.45
C2	05/22/2021		0.44
C2	05/28/2021	LK	0.23
C2	06/03/2021		0.17
C3	05/16/2021		0.81
C3	05/22/2021	LK	1.95
C3	05/28/2021	LK	0.14
C3	06/03/2021		0.19
C4	05/16/2021	2	0.29
C4	05/22/2021	LK	2.13
C4	05/28/2021	2	0.17
C4 QA	05/28/2021	2	0.09
C4	06/03/2021		0.29
C5	05/16/2021		0.12
C5	05/22/2021		0.83
C5	05/28/2021		1.39

Location	Date	Qualifier	EtO Concentration (ug/m³)
C5	06/03/2021		0.09
C7	05/22/2021	LK, 2	0.92

If you have any questions, please let me know.

DGO/do



Eastern Research Group 601 Keystone Park Drive Suite 700 Morrisville, NC 27560

August 03, 2021

Ms. Jaime Gore GA Ambient Monitoring Program 4244 International Pkwy, Suite 120 Atlanta, GA 30354 Project Name: Covington

Dear Ms. Jaime Gore,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 06/03/21 13:19 through 06/09/21 13:56.

Values below the MDL for QC results in this report are recorded as ND, however the actual values are reported in the accompanying Excel report with a "U" flag (Under the detection limit). The actual values are reported in AQS.

This test is accredited under the 2016 TNI Standard for Environmental Laboratories (FL DOH Certification # E87673). All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift Program Manager julie.swift@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify julie.swift@erg.com and delete the report without retaining any copies.



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	Received
C2	1060323-01	Air	05/16/21 23:59	06/03/21 13:19
C2	1060323-02	Air	05/22/21 23:59	06/03/21 13:19
C3	1060323-03	Air	05/16/21 23:59	06/03/21 13:19
C3	1060323-04	Air	05/22/21 23:59	06/03/21 13:19
C4	1060323-05	Air	05/16/21 23:59	06/03/21 13:19
C4	1060323-06	Air	05/22/21 23:59	06/03/21 13:19
C5	1060323-07	Air	05/16/21 23:59	06/03/21 13:19
C5	1060323-08	Air	05/22/21 23:59	06/03/21 13:19
C7 - SA	1060323-09	Air	05/22/21 23:59	06/03/21 13:19
C2	1060415-01	Air	05/28/21 23:59	06/04/21 12:12
C3	1060415-02	Air	05/28/21 23:59	06/04/21 12:12
C4	1060415-03	Air	05/28/21 23:59	06/04/21 12:12
C5	1060415-04	Air	05/28/21 23:59	06/04/21 12:12
C4 QA	1060746-01	Air	05/28/21 23:59	06/07/21 13:16
C4	1060834-01	Air	06/03/21 23:59	06/08/21 12:22
C2	1060924-01	Air	06/03/21 23:59	06/09/21 13:56
C3	1060924-02	Air	06/03/21 23:59	06/09/21 13:56
C5	1060924-03	Air	06/03/21 23:59	06/09/21 13:56
Covington FB	1060324-06	Air	05/25/21 00:59	06/03/21 13:27

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C2

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 4.50" Hg

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

Lab ID: 1060323-01 Sampled: 05/16/21 23:59 **Canister #:** 33533 Received: 06/03/21 13:19 **Analyzed:** 06/15/21 01:08

Air Toxics by EPA Compendium Method TO-15

MDL Results ppbv ug/m³ <u>Flag</u> ppbv 0.247 0.45 0.0261



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C2

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 4.50" Hg

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

Lab ID: 1060323-02 Sampled: 05/22/21 23:59 **Canister #:** 18827 Received: 06/03/21 13:19 **Analyzed:** 06/17/21 03:58

Air Toxics by EPA Compendium Method TO-15

MDL Results ppbv ug/m³ <u>Flag</u> ppbv 0.242 0.44 0.0261



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C3

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 6.50" Hg

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

Lab ID: 1060323-03 Sampled: 05/16/21 23:59 **Canister #:** A21000 Received: 06/03/21 13:19 **Analyzed:** 06/15/21 02:09

Air Toxics by EPA Compendium Method TO-15

MDL **Results** ppbv ug/m³ <u>Flag</u> ppbv 0.448 0.81 0.0261



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C3

Comments:

ATTN: Ms. Jaime Gore

Pressure @ Receipt: 6.00" Hg

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

Lab ID: 1060323-04 Sampled: 05/22/21 23:59 Canister #: SAT088 Received: 06/03/21 13:19 **Analyzed:** 06/17/21 04:59

Air Toxics by EPA Compendium Method TO-15

MDL Results **Analyte** ppbv ug/m³ <u>Flag</u> ppbv Ethylene oxide 1.08 1.95 LK 0.0261



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C4

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 7.00" Hg

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

Lab ID: 1060323-05 Sampled: 05/16/21 23:59 Canister #: 19300 Received: 06/03/21 13:19 **Analyzed:** 06/15/21 03:11

Air Toxics by EPA Compendium Method TO-15

MDL Results ppbv ug/m³ <u>Flag</u> ppbv 0.158 0.29 0.0261



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C4

Comments:

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 7.50" Hg

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

Lab ID: 1060323-06 Sampled: 05/22/21 23:59 **Canister #:** A21091 Received: 06/03/21 13:19 **Analyzed:** 06/17/21 06:00

Air Toxics by EPA Compendium Method TO-15

MDL Results **Analyte** ppbv ug/m³ <u>Flag</u> ppbv Ethylene oxide 1.18 2.13 LK 0.0261



FILE #: 4222.00

AQS SITE CODE:

SITE CODE:

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C5

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 4.00" Hg

Lab ID:

1060323-07

Canister #: 19287

Covington

Sampled: 05/16/21 23:59 Received: 06/03/21 13:19

Analyzed: 06/15/21 04:12

Air Toxics by EPA Compendium Method TO-15 MDL

Results

ppbv ug/m³

<u>Flag</u>

0.0686

0.12

ppbv 0.0261



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C5

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 4.50" Hg

Lab ID:

1060323-08

Canister #: A21095

SITE CODE:

FILE #: 4222.00

AQS SITE CODE:

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

Covington

Analyzed: 06/17/21 16:00

Sampled: 05/22/21 23:59

Received: 06/03/21 13:19

Air Toxics by EPA Compendium Method TO-15

Results ppbv ug/m³

0.83

0.461

<u>Flag</u>

ppbv 0.0261

MDL

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

ATTN: Ms. Jaime Gore

Description: C7 - SA

Comments:

Analyte

Ethylene oxide

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 6.00" Hg

Lab ID:

1060323-09

Canister #: A21067

FILE #: 4222.00

AQS SITE CODE:

SITE CODE:

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

Covington

Received: 06/03/21 13:19 **Analyzed:** 06/17/21 17:01

Sampled: 05/22/21 23:59

Air Toxics by EPA Compendium Method TO-15 MDL

Results ppbv ug/m³

0.92

0.512

<u>Flag</u>

ppbv 0.0261

LK flag added after can was used again 290 11/3 11/30/2021

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516 **Description:** Covington FB

Pressure @ Receipt: 30.0" Hg

Comments: Field Blank

Lab ID: 1060324-06

Canister #: 110252

FILE #: 4222.00

AQS SITE CODE:

SITE CODE:

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

Covington

Sampled: 05/25/21 00:59 Received: 06/03/21 13:27

Analyzed: 06/24/21 14:43

Air Toxics by EPA Compendium Method TO-15

Results ppbv ug/m³

<u>Flag</u>

MDL ppbv

Analyte Ethylene oxide

ND

ND

U

0.0219



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C2

Comments:

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 5.50" Hg

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

Lab ID: 1060415-01 Sampled: 05/28/21 23:59 **Canister #:** 18868 **Received:** 06/04/21 12:12 **Analyzed:** 06/25/21 23:30

Air Toxics by EPA Compendium Method TO-15

MDL Results **Analyte** ppbv ug/m³ <u>Flag</u> ppbv Ethylene oxide 0.127 0.23 LK 0.0219



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C3

Comments:

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 7.50" Hg

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

Lab ID: 1060415-02 Sampled: 05/28/21 23:59 **Canister #:** 33266 **Received:** 06/04/21 12:12 **Analyzed:** 06/24/21 23:54

Air Toxics by EPA Compendium Method TO-15

MDL

Results ppbv ug/m³ <u>Flag</u>

Analyte ppbv Ethylene oxide 0.0765 0.14 LK 0.0219



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C4

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 7.50" Hg

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

Lab ID: 1060415-03 Sampled: 05/28/21 23:59 **Canister #:** 33314 **Received:** 06/04/21 12:12 **Analyzed:** 06/18/21 05:11

Air Toxics by EPA Compendium Method TO-15

MDL

Results ppbv ug/m³ <u>Flag</u>

ppbv 0.0956 0.17 0.0261

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

 Description:
 C5
 Lab ID:
 1060415-04
 Sampled: 05/28/21 23:59

 Pressure @ Receipt:
 4.50" Hg
 Canister #:
 18828
 Received:
 06/04/21 12:12

 Comments:
 Analyzed:
 06/26/21 01:32

Air Toxics by EPA Compendium Method TO-15



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

ATTN: Ms. Jaime Gore

Description: C4 QA

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 7.00" Hg

Lab ID:

1060746-01

Canister #: 19291

FILE #: 4222.00

AQS SITE CODE:

SITE CODE:

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

Covington

Received: 06/07/21 13:16 **Analyzed:** 06/18/21 07:13

Sampled: 05/28/21 23:59

Air Toxics by EPA Compendium Method TO-15

Results ppbv ug/m³

<u>Flag</u>

Ethylene oxide

Analyte

Comments:

0.0500

0.09

ppbv 0.0261

MDL



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C4

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 6.00" Hg

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

FILE #: 4222.00

SITE CODE: Covington

 Lab ID:
 1060834-01
 Sampled: 06/03/21 23:59

 Canister #:
 19666
 Received: 06/08/21 12:22

Analyzed: 06/21/21 21:34

Air Toxics by EPA Compendium Method TO-15

MDL

Results ppbv ug/m³

<u>Flag</u>

0.161

0.29

ag <u>ppbv</u> 0.0261

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C2

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 5.00 "Hg

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

Lab ID: 1060924-01 Sampled: 06/03/21 23:59 Canister #: 110335 Received: 06/09/21 13:56 **Analyzed:** 06/22/21 01:38

Air Toxics by EPA Compendium Method TO-15

MDL Results ppbv ug/m³ <u>Flag</u> ppbv 0.0957 0.17 0.0261



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C3

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 7.00" Hg

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

Lab ID: 1060924-02 Sampled: 06/03/21 23:59 **Canister #:** 18831 Received: 06/09/21 13:56 **Analyzed:** 06/22/21 02:39

Air Toxics by EPA Compendium Method TO-15

MDL

Results ppbv ug/m³

<u>Flag</u>

ppbv 0.0261

Analyte Ethylene oxide

Comments:



FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Description: C5

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

Pressure @ Receipt: 5.00" Hg

AQS SITE CODE: SITE CODE:

1060924-03

Canister #: 33275

Covington

Sampled: 06/03/21 23:59 **Received:** 06/09/21 13:56

Analyzed: 07/02/21 01:52

Air Toxics by EPA Compendium Method TO-15 MDL

Results ppbv ug/m³

0.09

0.0491

<u>Flag</u>

Lab ID:

ppbv 0.0261

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Air Toxics by EPA Compendium		15 - Quality Con	trol			
Batch B1F1007 - Summa Canister	Prep					
Blank (B1F1007-BLK1)			Prepared: 06/10/21	Analyzed: 06/14/21		
Ethylene oxide	ND	ppbv				U
Batch B1F1507 - Summa Canister	Prep					
Blank (B1F1507-BLK1)			Prepared: 06/15/21	Analyzed: 06/16/21		
Ethylene oxide	ND	ppbv				U
Batch B1F1706 - Summa Canister	Prep					
Blank (B1F1706-BLK1)			Prepared & Analyzed	d: 06/17/21		
Ethylene oxide	ND	ppbv				U
Duplicate (B1F1706-DUP1)	Sour	ce: 1060323-09	Prepared: 05/22/21	Analyzed: 06/17/21		
Ethylene oxide	0.522	ppbv	0.51	1.88	25	
Duplicate (B1F1706-DUP5)	Sour	ce: 1060415-03	Prepared: 05/28/21	Analyzed: 06/18/21		
Ethylene oxide	0.136	ppbv	0.10	35.0	25	
Duplicate (B1F1706-DUP6)	Sour	ce: 1060746-01	Prepared: 05/28/21	Analyzed: 06/18/21		
Ethylene oxide	0.0528	ppbv	0.05	5.45	25	
Batch B1F1806 - Summa Canister	Prep					
Blank (B1F1806-BLK1)			Prepared: 06/18/21	Analyzed: 06/24/21		
Ethylene oxide	ND	ppbv				U
Batch B1F2107 - Summa Canister	Prep					
Blank (B1F2107-BLK1)			Prepared & Analyzed: 06/21/21			
Ethylene oxide	ND	ppbv	·			U
Batch B1F2503 - Summa Canister	Prep					
Blank (B1F2503-BLK1)	•		Prepared & Analyzed	d: 06/25/21		
Ethylene oxide	ND	ppbv	· ,	·		U
Duplicate (B1F2503-DUP3)	Sour	ce: 1060415-01	Prepared: 05/28/21	Analyzed: 06/26/21		
Ethylene oxide	0.144	ppbv	0.13	12.5	25	LK
Batch B1G0110 - Summa Canister	Prep					
Blank (B1G0110-BLK1)	<i>r</i> -		Prepared & Analyzed	d: 07/01/21		
Ethylene oxide	ND	ppbv				U

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516

FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

AQS SITE CODE:

SITE CODE: Covington

Analyte	Result	Units	% Difference	Limit (%)	Notes
Air Toxics by EPA Compendium M	ethod TO-15	- Quality Con	itrol		
Sequence 2106035					
Calibration Check (2106035-CCV1)				1 Analyzed: 06/14/21	
Ethylene oxide	2.42	ppbv	-3.1	30.00	
Sequence 2106048					
Calibration Check (2106048-CCV1)		F	Prepared: 06/15/2	1 Analyzed: 06/16/21	
Ethylene oxide	2.49	ppbv	-0.3	30.00	
Sequence 2106053					
Calibration Check (2106053-CCV1)		F	Prepared & Analyze	ed: 06/17/21	
Ethylene oxide	2.49	ppbv	-0.4	30.00	
Sequence 2106062					
Calibration Check (2106062-CCV1)		F	Prepared & Analyzo	ed: 06/24/21	
Ethylene oxide	2.04	ppbv	-18.2	30.00	
Sequence 2106066					
Calibration Check (2106066-CCV1)		F	Prepared & Analyzo	ed: 06/21/21	
Ethylene oxide	2.62	ppbv	4.9	30.00	
Sequence 2106076					
Calibration Check (2106076-CCV1)		F	Prepared & Analyzo	ed: 06/25/21	
Ethylene oxide	2.06	ppbv	-17.5	30.00	
Sequence 2107004					
Calibration Check (2107004-CCV1)		F	Prepared & Analyzo	ed: 07/01/21	
Ethylene oxide	2.27	ppbv	-9.3	30.00	

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



FILE #: 4222.00

REPORTED: 08/03/21 12:28

SUBMITTED: 06/03/21 to 06/09/21

U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

ATTN: Ms. Jaime Gore AQS SITE CODE:

PHONE: (404) 362-4912 **FAX:** (919) 541-0516 **SITE CODE:** Covington

Notes and Definitions

U Under Detection Limit

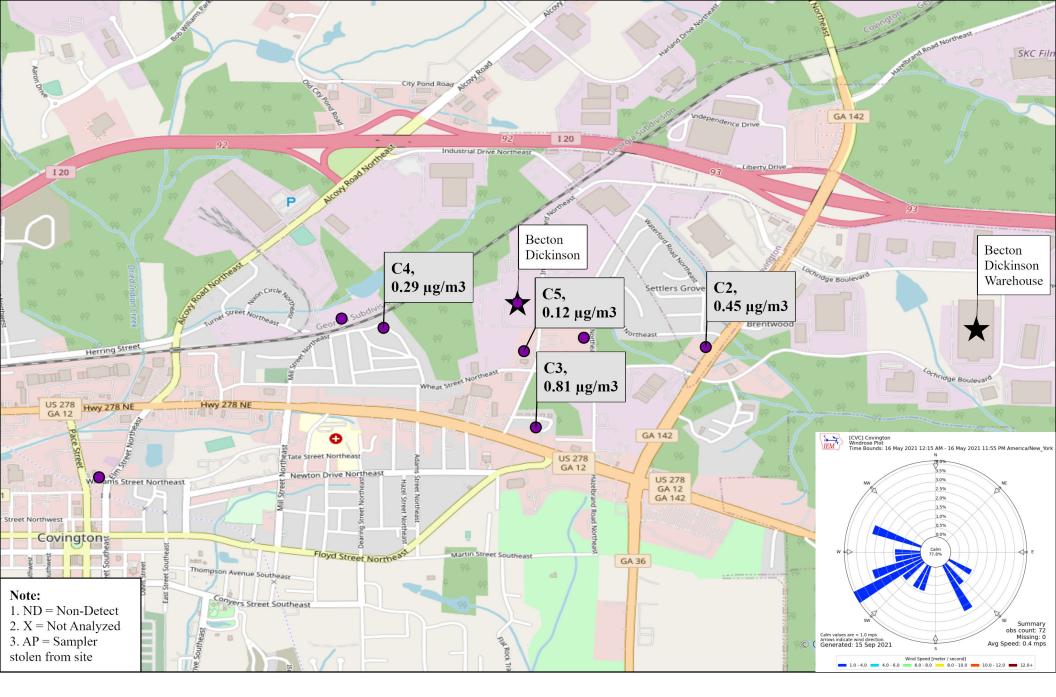
LK Analyte identified; Reported value may be biased high.

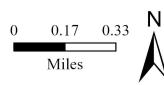
ND Analyte NOT DETECTED

NR Not Reported

MDL Method Detection Limit
RPD Relative Percent Difference

Note: This test is accredited under the 2016 TNI Standard; however the following analytes are not accredited: acetylene, bromodichloroethane, dichlorotetrafluoromethane, ethyl tert butyl ether, n-octane, tert amyl methyl ether, trichlorofluoroethane, and bromochloromethane.





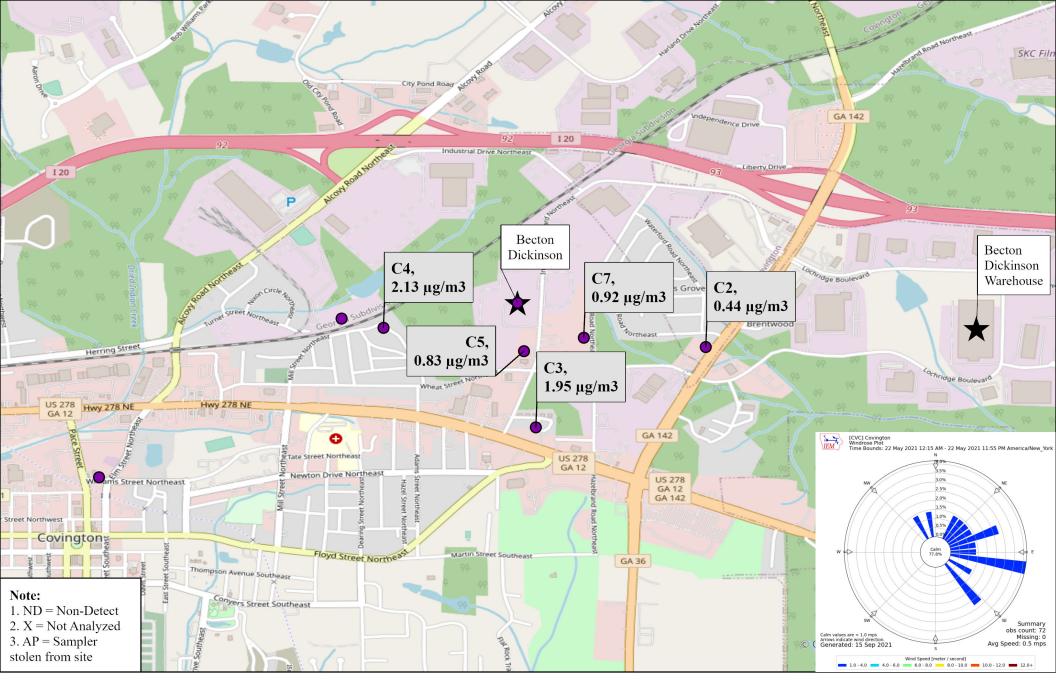
Site ID, Concentration (µg/m3)

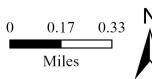
Ethylene Oxide Sampling Newton County, GA

May 16, 2021

Sampled By: Georgia Environmental Protection Division Analyzed By: Eastern Research Group







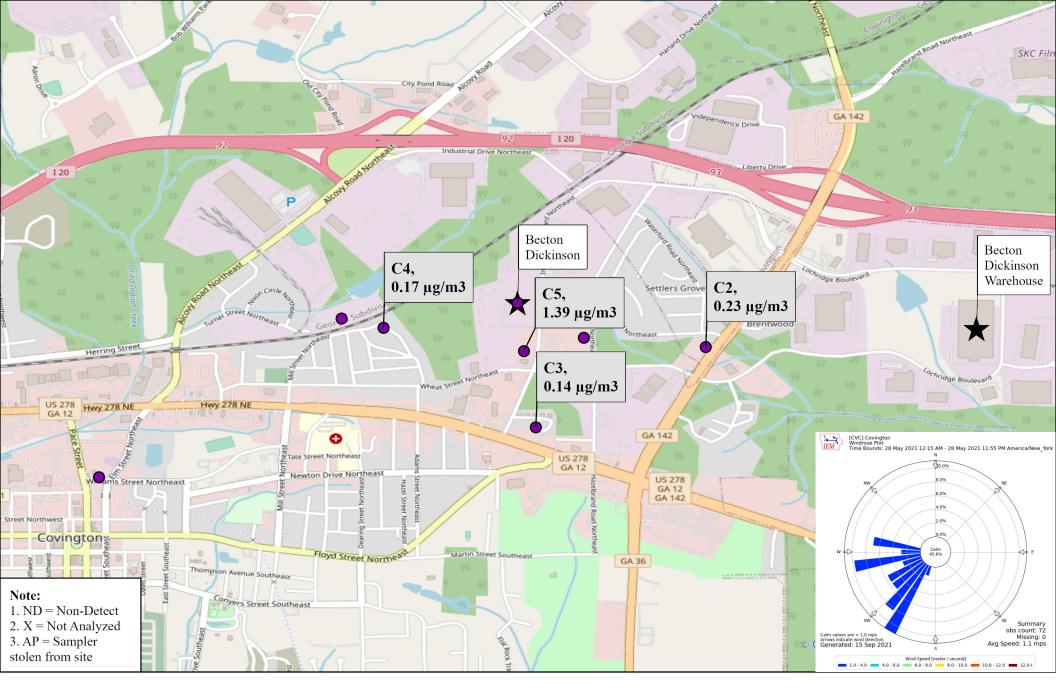
Site ID, Concentration (µg/m3)

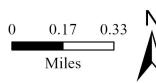
Ethylene Oxide Sampling Newton County, GA

May 22, 2021

Sampled By: Georgia Environmental Protection Division Analyzed By: Eastern Research Group







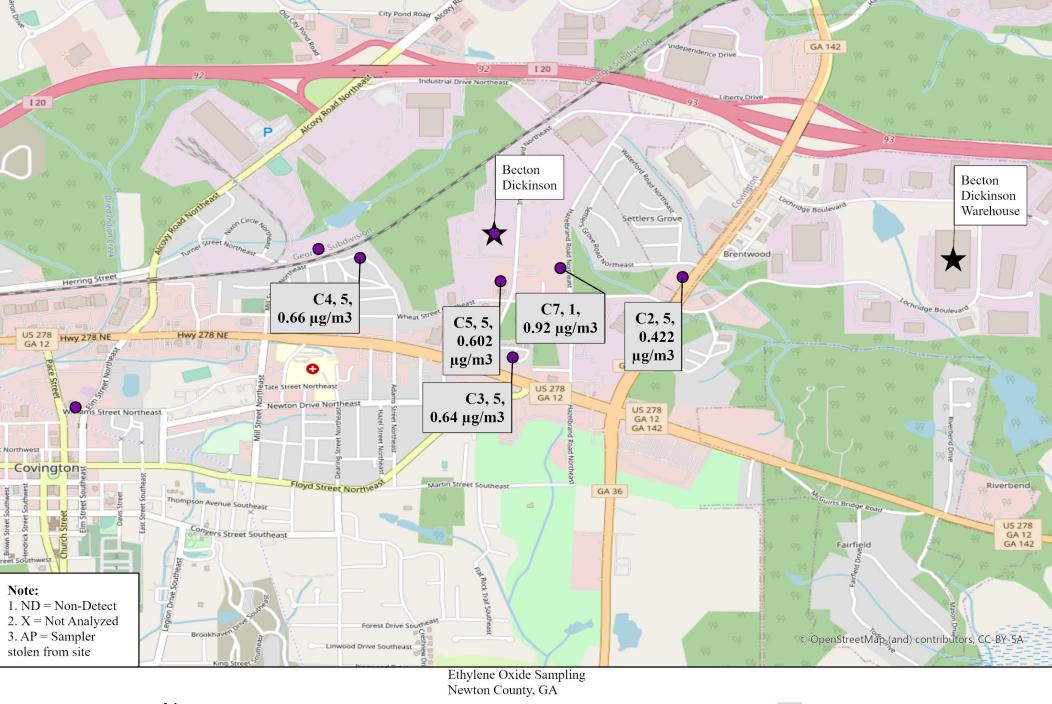
Site ID, Concentration (μg/m3)

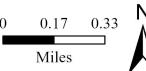
Ethylene Oxide Sampling Newton County, GA

May 28, 2021

Sampled By: Georgia Environmental Protection Division Analyzed By: Eastern Research Group







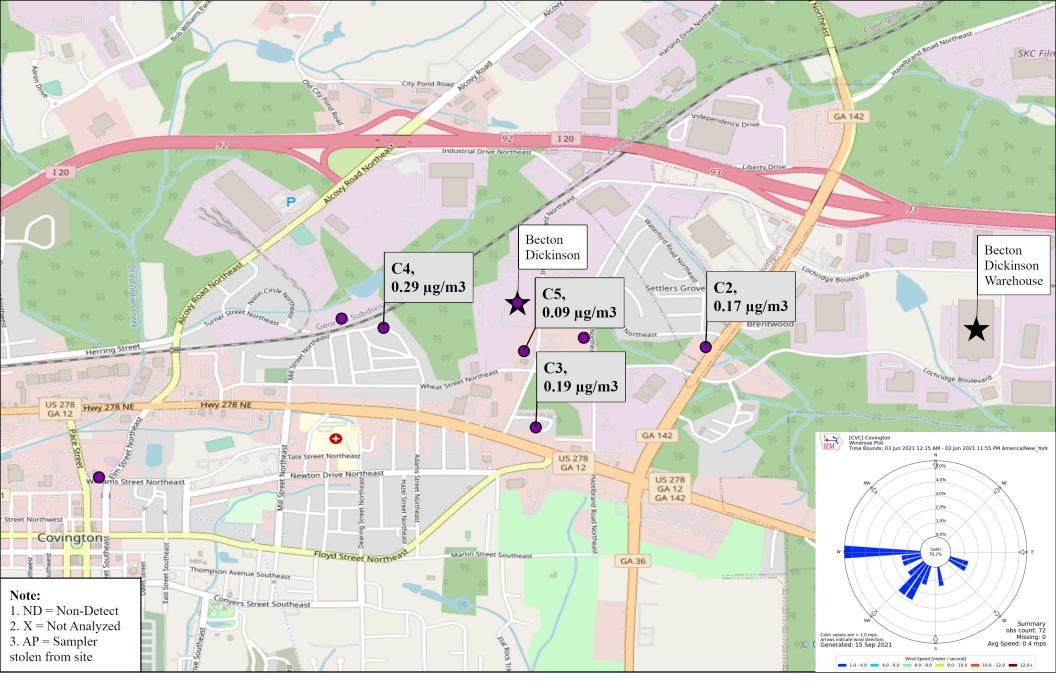
Site ID, Number of Samples, Concentration (μg/m3) May 2021 Site Average Values

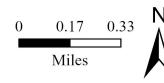
Note: Not detectable values were included in average calculations as a value of 0.

Sampled By: Georgia Environmental Protection Division Analyzed By: Eastern Research Group



ENVIRONMENTAL PROTECTION DIVISION





Site ID, Concentration (µg/m3)

Ethylene Oxide Sampling Newton County, GA

June 3, 2021 Sampled By: Georgia Environmental Protection Division Analyzed By: Eastern Research Group

