



# GEORGIA

DEPARTMENT OF NATURAL RESOURCES

## 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

January 15, 2020

**MEMORANDUM**

To: Karen Hays, Air Branch Chief *KH*

Through: Dika Kuoh, Assistant Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: Covington December 5 - December 14, 2019 Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were taken at our Covington monitoring station in December 2019. Each of the samples were sent to Eastern Research Group (ERG) for analysis.

The sample listed as QA is a sample taken side by side during the same time period to compare the precision of the measurement. 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 two 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, C7, C8, or C9 during this period.

Location	Date	Qualifier	EtO Concentration (ug/m3)
C2	12/05/2019		0.76
C2	12/08/2019	LK	0.19
C2	12/11/2019	LK, 2	0.05
C2	12/14/2019	LK, 2	0.4
C3	12/05/2019	LK	0.48
C3	12/08/2019	LK	0.18
C3	12/11/2019	LK	0.18
C3	12/14/2019	LK	0.23
C4	12/05/2019	LK, 2	0.91
C4	12/08/2019	2	0.55
C4	12/11/2019	2	0.31
C4 QA	12/11/2019	2	0.17
C4	12/14/2019	LK; 2	0.2
C5	12/05/2019		0.61

C5		12/08/2019		LK		0.11
C5		12/11/2019		LK; 2		0.21
C5		12/14/2019		LK		0.14

If you have any questions, please let me know.

DGO/do



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

January 07, 2020

Ms. Jaime Gore  
U.S. Environmental Protection Agency, Region 4  
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 12/12/19 10:51 through 12/18/19 12:05.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. 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](mailto: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](mailto:julie.swift@erg.com) and delete the report without retaining any copies.



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

### ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
C2	9121207-01	Air	12/05/19 23:59	12/12/19 10:51
C2	9121207-02	Air	12/08/19 23:59	12/12/19 10:51
C3	9121207-03	Air	12/05/19 23:59	12/12/19 10:51
C3	9121207-04	Air	12/08/19 23:59	12/12/19 10:51
C4	9121207-05	Air	12/05/19 23:59	12/12/19 10:51
C4	9121207-06	Air	12/08/19 23:59	12/12/19 10:51
C5	9121207-07	Air	12/05/19 23:59	12/12/19 10:51
C5	9121207-08	Air	12/08/19 23:59	12/12/19 10:51
C2	9121841-01	Air	12/11/19 23:59	12/18/19 12:05
C3	9121841-02	Air	12/11/19 23:59	12/18/19 12:05
C4	9121841-03	Air	12/11/19 23:59	12/18/19 12:05
C4 QA	9121841-04	Air	12/11/19 23:59	12/18/19 12:05
C5	9121841-05	Air	12/11/19 23:59	12/18/19 12:05
C2	9121841-06	Air	12/14/19 23:59	12/18/19 12:05
C3	9121841-07	Air	12/14/19 23:59	12/18/19 12:05
C4	9121841-08	Air	12/14/19 23:59	12/18/19 12:05
C5	9121841-09	Air	12/14/19 23:59	12/18/19 12:05



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C2

Lab ID: 9121207-01

Sampled: 12/05/19 23:59

Pressure @ Receipt: 8.00" Hg

Canister #: 2767

Received: 12/12/19 10:51

Comments:

Analyzed: 12/19/19 19:11

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.419	0.76		0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C2

Lab ID: 9121207-02

Sampled: 12/08/19 23:59

Pressure @ Receipt: 8.00" Hg

Canister #: 18818

Received: 12/12/19 10:51

Comments:

Analyzed: 12/19/19 21:19

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.106	0.19	LK	0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C3

Lab ID: 9121207-03

Sampled: 12/05/19 23:59

Pressure @ Receipt: 7.50" Hg

Canister #: 5100

Received: 12/12/19 10:51

Comments:

Analyzed: 12/19/19 22:24

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.268	0.48	UK	0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C3

Lab ID: 9121207-04

Sampled: 12/08/19 23:59

Pressure @ Receipt: 5.00" Hg

Canister #: 19663

Received: 12/12/19 10:51

Comments:

Analyzed: 12/19/19 23:28

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.0987	0.18	UK	0.0250





## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C4

Lab ID: 9121207-05

Sampled: 12/05/19 23:59

Pressure @ Receipt: 0.00 psig

Canister #: SAT089

Received: 12/12/19 10:51

Comments: Received at ambient

Analyzed: 12/20/19 00:32

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.505	0.91	LK	0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C4

Lab ID: 9121207-06

Sampled: 12/08/19 23:59

Pressure @ Receipt: 0.00 psig

Canister #: SAT039

Received: 12/12/19 10:51

Comments: Received at ambient

Analyzed: 12/20/19 01:36

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.304	0.55		0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C5

Lab ID: 9121207-07

Sampled: 12/05/19 23:59

Pressure @ Receipt: 5.50" Hg

Canister #: 2527

Received: 12/12/19 10:51

Comments:

Analyzed: 12/20/19 02:41

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.338	0.61		0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C5

Lab ID: 9121207-08

Sampled: 12/08/19 23:59

Pressure @ Receipt: 7.50" Hg

Canister #: 19298

Received: 12/12/19 10:51

Comments:

Analyzed: 12/20/19 03:45

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.0596	0.11	LK	0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C2

Lab ID: 9121841-01

Sampled: 12/11/19 23:59

Pressure @ Receipt: 0 psig

Canister #: 19290

Received: 12/18/19 12:05

Comments: Received at ambient

Analyzed: 12/28/19 01:12

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.0277	0.05	LK	0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C3

Lab ID: 9121841-02

Sampled: 12/11/19 23:59

Pressure @ Receipt: 5.00" Hg

Canister #: AZ52

Received: 12/18/19 12:05

Comments:

Analyzed: 12/28/19 02:16

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.100	0.18	LK	0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C4

Lab ID: 9121841-03

Sampled: 12/11/19 23:59

Pressure @ Receipt: 0 psig

Canister #: A21039

Received: 12/18/19 12:05

Comments: Received at ambient

Analyzed: 12/28/19 03:20

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.169	0.31		0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C4 QA

Lab ID: 9121841-04

Sampled: 12/11/19 23:59

Pressure @ Receipt: 0 psig

Canister #: A21055

Received: 12/18/19 12:05

Comments: Received at ambient

Analyzed: 12/28/19 05:29

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.0953	0.17		0.0250





## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C5

Lab ID: 9121841-05

Sampled: 12/11/19 23:59

Pressure @ Receipt: 0 psig

Canister #: A21072

Received: 12/18/19 12:05

Comments: Received at ambient

Analyzed: 12/28/19 07:37

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.118	0.21	LK	0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C2

Lab ID: 9121841-06

Sampled: 12/14/19 23:59

Pressure @ Receipt: 0 psig

Canister #: 5115

Received: 12/18/19 12:05

Comments: Received at ambient

Analyzed: 12/28/19 08:41

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.224	0.40	LK	0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C3

Lab ID: 9121841-07

Sampled: 12/14/19 23:59

Pressure @ Receipt: 5.50" Hg

Canister #: 19293

Received: 12/18/19 12:05

Comments:

Analyzed: 12/28/19 09:46

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.126	0.23	LK	0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C4

Lab ID: 9121841-08

Sampled: 12/14/19 23:59

Pressure @ Receipt: 0 psig

Canister #: 5137

Received: 12/18/19 12:05

Comments: Received at ambient

Analyzed: 12/28/19 14:37

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.108	0.20	LK	0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Description: C5

Lab ID: 9121841-09

Sampled: 12/14/19 23:59

Pressure @ Receipt: 7.00" Hg

Canister #: A21101

Received: 12/18/19 12:05

Comments:

Analyzed: 12/28/19 16:45

### Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.0753	0.14	LK	0.0250



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
---------	--------	-------	---------------	-----	-----------	-------

### Air Toxics by EPA Compendium Method TO-15 - Quality Control

#### Batch B9L1707 - Summa Canister Prep

##### Blank (B9L1707-BLK1)

Prepared: 12/17/19 Analyzed: 12/19/19

Ethylene oxide	ND	ppbv				U
----------------	----	------	--	--	--	---

##### Duplicate (B9L1707-DUP1)

Source: 9121207-01

Prepared: 12/05/19 Analyzed: 12/19/19

Ethylene oxide	0.421	ppbv	0.42	0.477	25	
----------------	-------	------	------	-------	----	--

#### Batch B9L2703 - Summa Canister Prep

##### Blank (B9L2703-BLK1)

Prepared & Analyzed: 12/27/19

Ethylene oxide	ND	ppbv				U
----------------	----	------	--	--	--	---

##### Duplicate (B9L2703-DUP3)

Source: 9121841-03

Prepared: 12/11/19 Analyzed: 12/28/19

Ethylene oxide	0.170	ppbv	0.17	0.177	25	
----------------	-------	------	------	-------	----	--

##### Duplicate (B9L2703-DUP4)

Source: 9121841-04

Prepared: 12/11/19 Analyzed: 12/28/19

Ethylene oxide	0.0910	ppbv	0.10	4.62	25	
----------------	--------	------	------	------	----	--

#### Batch B9L2803 - Summa Canister Prep

##### Blank (B9L2803-BLK1)

Prepared & Analyzed: 12/28/19

Ethylene oxide	ND	ppbv				U
----------------	----	------	--	--	--	---

##### Duplicate (B9L2803-DUP1)

Source: 9121841-08

Prepared: 12/14/19 Analyzed: 12/28/19

Ethylene oxide	0.106	ppbv	0.11	1.87	25	LK
----------------	-------	------	------	------	----	----



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

SITE CODE: Covington

Analyte	Result	Units	% Difference	Limit (%)	Notes
---------	--------	-------	--------------	-----------	-------

### Air Toxics by EPA Compendium Method TO-15 - Quality Control

#### Sequence 1912038

##### Calibration Check (1912038-CCV1)

Prepared: 12/17/19 Analyzed: 12/19/19

Ethylene oxide	2.51	ppbv	0.5	30.00
----------------	------	------	-----	-------

#### Sequence 1912058

##### Calibration Check (1912058-CCV1)

Prepared & Analyzed: 12/27/19

Ethylene oxide	2.26	ppbv	-9.7	30.00
----------------	------	------	------	-------

#### Sequence 1912061

##### Calibration Check (1912061-CCV1)

Prepared & Analyzed: 12/28/19

Ethylene oxide	2.12	ppbv	-15.0	30.00
----------------	------	------	-------	-------



## CERTIFICATE OF ANALYSIS

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: 01/07/20 14:26

SUBMITTED: 12/12/19 to 12/18/19

AQS SITE CODE:

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: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, ethylene oxide, hexachloro-1,3-butadiene, n-octane, propylene, tert amyl methyl ether, tetrachloroethylene, trans-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.