



# GEORGIA

DEPARTMENT OF NATURAL RESOURCES

## ENVIRONMENTAL PROTECTION DIVISION

**Richard E. Dunn, Director**

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**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: Cobb November 23, 2019 Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were taken at our Cobb monitoring station in November 2019.

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.

Location	Date	Qualifier	EtO Concentration (ug/m3)
S1	11/23/2019	LK	0.36
S2	11/23/2019		0.39
S3	11/23/2019	LK	0.41
S4	11/23/2019		0.10

If you have any questions, please let me know.

DGO/do



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

December 12, 2019

Ms. Jaime Gore  
U.S. Environmental Protection Agency, Region 4  
4244 International Pkwy, Suite 120  
Atlanta, GA 30354  
Project Name: Cobb

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 11/27/19 11:57.

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)

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# 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: 12/12/19 14:49

SUBMITTED: 11/27/19

AQS SITE CODE:

SITE CODE: Cobb

## ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
S1	9112712-01	Air	11/23/19 23:59	11/27/19 11:57
S2	9112712-02	Air	11/23/19 23:59	11/27/19 11:57
S3	9112712-03	Air	11/23/19 23:59	11/27/19 11:57
S4	9112712-04	Air	11/23/19 23:59	11/27/19 11:57



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REPORTED: 12/12/19 14:49

SUBMITTED: 11/27/19

AQS SITE CODE:

SITE CODE: Cobb

Description: S1

Lab ID: 9112712-01

Sampled: 11/23/19 23:59

Pressure @ Receipt: 8.00" Hg

Canister #: AZ39

Received: 11/27/19 11:57

Comments:

Analyzed: 12/04/19 23:41

## Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m <sup>3</sup>		ppbv
Ethylene oxide	0.200	0.36	LK	0.0250



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REPORTED: 12/12/19 14:49

SUBMITTED: 11/27/19

AQS SITE CODE:

SITE CODE: Cobb

Description: S2

Lab ID: 9112712-02

Sampled: 11/23/19 23:59

Pressure @ Receipt: 4.00" Hg

Canister #: SAT049

Received: 11/27/19 11:57

Comments:

Analyzed: 12/05/19 00:30

## Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m <sup>3</sup>		ppbv
Ethylene oxide	0.217	0.39		0.0250



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FILE #: 4222.00

REPORTED: 12/12/19 14:49

SUBMITTED: 11/27/19

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 9112712-03

Sampled: 11/23/19 23:59

Pressure @ Receipt: 7.50" Hg

Canister #: AZ47

Received: 11/27/19 11:57

Comments:

Analyzed: 12/05/19 01:18

## 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	0.229	0.41	LK	0.0250



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FILE #: 4222.00

REPORTED: 12/12/19 14:49

SUBMITTED: 11/27/19

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 9112712-04

Sampled: 11/23/19 23:59

Pressure @ Receipt: 3.50" Hg

Canister #: A21108

Received: 11/27/19 11:57

Comments:

Analyzed: 12/05/19 02:07

## Air Toxics by EPA Compendium Method TO-15

Analyte	Results		Flag	MDL
	ppbv	ug/m <sup>3</sup>		ppbv
Ethylene oxide	0.0538	0.10		0.0250



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FILE #: 4222.00

REPORTED: 12/12/19 14:49

SUBMITTED: 11/27/19

AQS SITE CODE:

SITE CODE: Cobb

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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## Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B9L0408 - Summa Canister Prep

### Blank (B9L0408-BLK1)

Prepared: 11/25/19 Analyzed: 12/04/19

Ethylene oxide	ND	ppbv				U
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REPORTED: 12/12/19 14:49

SUBMITTED: 11/27/19

AQS SITE CODE:

SITE CODE: Cobb

Analyte	Result	Units	% Difference	Limit (%)	Notes
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### Air Toxics by EPA Compendium Method TO-15 - Quality Control

Sequence 1912012

#### Calibration Check (1912012-CCV1)

Prepared & Analyzed: 12/04/19

Ethylene oxide	2.85	ppbv	14.0	30.00	
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### 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.