



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

August 16, 2021

MEMORANDUM

To: Karen Hays, Air Branch Chief *KH*

Through: James Boylan, Assistant Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: Cobb – March 11- April 4, 2021 Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of March 11- April 4, 2021, by the Ambient Monitoring Program in the Cobb area to characterize the EtO concentration. Each of the samples were sent to Eastern Research Group (ERG) for analysis. The Qualifier code of “3” was given to samples to indicate that integrity of the field data may have been compromised. 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 “D-F” indicates that the lab duplicate exceeds the data quality objective (DQO) criteria. The Qualifier code of “LK” was given by ERG to indicate that the sample may be biased high. The sample listed as AF indicates the sample was scheduled but not collected. The sample listed as AA indicates that sample pressure is out of limits.

Location	Date	Qualifier	EtO Concentration (ug/m ³)
S1	03/05/2021		AF
S1	03/11/2021		0.13
S1	03/17/2021	2	0.27
S1	03/23/2021	2	0.13
S1	03/29/2021		AA
S1	04/04/2021		0.13
S2	03/05/2021		AF
S2	03/11/2021	LK, 3	0.38
S2	03/17/2021	2, 3	0.16
S2	03/23/2021	3	0.20
S2	03/29/2021	LK, 3	0.40
S2	04/04/2021	LK, 3	0.55
S3	03/05/2021		AF
S3	03/11/2021	LK	0.68
S3	03/17/2021		0.20
S3	03/23/2021	LK	0.37
S3	03/29/2021		0.09
S3	04/04/2021		0.13

Location	Date	Qualifier	EtO Concentration (ug/m ³)
S4	03/05/2021		AF
S4	03/11/2021		0.26
S4	03/17/2021		0.22
S4	03/23/2021	LK, D-F	0.87
S4	03/29/2021		0.25
S4	04/04/2021		0.12
S4 QA	03/23/2021	LK, D-F	0.61
S7 SA	03/29/2021	2	0.13

If you have any questions, please let me know.

DGO/do



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

May 11, 2021

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 03/16/21 13:02 through 04/22/21 13:10.

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

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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: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

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	1031638-01	Air	03/11/21 23:59	03/16/21 13:02
S2	1031638-02	Air	03/11/21 23:59	03/16/21 13:02
S3	1031638-03	Air	03/11/21 23:59	03/16/21 13:02
S4	1031638-04	Air	03/11/21 23:59	03/16/21 13:02
S1	1032431-01	Air	03/17/21 23:59	03/24/21 12:00
S2	1032431-02	Air	03/17/21 23:59	03/24/21 12:00
S3	1032431-03	Air	03/17/21 23:59	03/24/21 12:00
S4	1032431-04	Air	03/17/21 23:59	03/24/21 12:00
S1	1040821-01	Air	03/23/21 23:59	04/08/21 12:03
S2	1040821-02	Air	03/23/21 23:59	04/08/21 12:03
S3	1040821-03	Air	03/23/21 23:59	04/08/21 12:03
S4	1040821-04	Air	03/23/21 23:59	04/08/21 12:03
S4-QA	1040821-05	Air	03/23/21 23:59	04/08/21 12:03
S1	1041340-01	Air	03/29/21 23:59	04/13/21 13:52
S3	1041340-02	Air	03/29/21 23:59	04/13/21 13:52
S2	1041340-03	Air	03/29/21 23:59	04/13/21 13:52
S7-SA	1041340-04	Air	03/29/21 23:59	04/13/21 13:52
S4	1041340-05	Air	03/29/21 23:59	04/13/21 13:52
S1	1042122-01	Air	04/04/21 23:59	04/21/21 11:45
S2	1042219-01	Air	04/04/21 23:59	04/22/21 13:10
S3	1042219-02	Air	04/04/21 23:59	04/22/21 13:10
S4	1042219-03	Air	04/04/21 23:59	04/22/21 13:10



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S1	Lab ID: 1031638-01	Sampled: 03/11/21 23:59
Pressure @ Receipt: 7.00" Hg	Canister #: 18817	Received: 03/16/21 13:02
Comments:		Analyzed: 03/23/21 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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0691	0.13		0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S2	Lab ID: 1031638-02	Sampled: 03/11/21 23:59
Pressure @ Receipt: 5.00" Hg	Canister #: 5004	Received: 03/16/21 13:02
Comments:		Analyzed: 03/23/21 04:21

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.212	0.38	LK	0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 1031638-03

Sampled: 03/11/21 23:59

Pressure @ Receipt: 4.00" Hg

Canister #: AZ39

Received: 03/16/21 13:02

Comments:

Analyzed: 03/23/21 05:21

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.375	0.68	LK	0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 1031638-04

Sampled: 03/11/21 23:59

Pressure @ Receipt: 7.00" Hg

Canister #: A21053

Received: 03/16/21 13:02

Comments:

Analyzed: 03/23/21 06:22

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.141	0.26		0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S1	Lab ID: 1032431-01	Sampled: 03/17/21 23:59
Pressure @ Receipt: 7.00" Hg	Canister #: 213	Received: 03/24/21 12:00
Comments:		Analyzed: 03/26/21 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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.152	0.27		0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S2	Lab ID: 1032431-02	Sampled: 03/17/21 23:59
Pressure @ Receipt: 7.00" Hg	Canister #: 110252	Received: 03/24/21 12:00
Comments:		Analyzed: 03/27/21 00:29

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0871	0.16		0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 1032431-03

Sampled: 03/17/21 23:59

Pressure @ Receipt: 5.00" Hg

Canister #: 110322

Received: 03/24/21 12:00

Comments:

Analyzed: 03/27/21 01:29

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.110	0.20		0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 1032431-04

Sampled: 03/17/21 23:59

Pressure @ Receipt: 5.50" Hg

Canister #: A21101

Received: 03/24/21 12:00

Comments:

Analyzed: 03/27/21 02:30

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.124	0.22		0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S1	Lab ID: 1040821-01	Sampled: 03/23/21 23:59
Pressure @ Receipt: 8.50" Hg	Canister #: 18836	Received: 04/08/21 12:03
Comments:		Analyzed: 04/13/21 07:42

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0731	0.13		0.0261



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ATTN: Ms. Jaime Gore

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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S2

Lab ID: 1040821-02

Sampled: 03/23/21 23:59

Pressure @ Receipt: 4.00" Hg

Canister #: 18872

Received: 04/08/21 12:03

Comments:

Analyzed: 04/13/21 08:43

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.110	0.20		0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 1040821-03

Sampled: 03/23/21 23:59

Pressure @ Receipt: 3.50" Hg

Canister #: SAT081

Received: 04/08/21 12:03

Comments:

Analyzed: 04/13/21 09:43

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.203	0.37	LK	0.0261



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

FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 1040821-04

Sampled: 03/23/21 23:59

Pressure @ Receipt: 6.00" Hg

Canister #: SAT029

Received: 04/08/21 12:03

Comments:

Analyzed: 04/14/21 15:58

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.483	0.87	D-F, LK	0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4-QA

Lab ID: 1040821-05

Sampled: 03/23/21 23:59

Pressure @ Receipt: 5.50" Hg

Canister #: SAT043

Received: 04/08/21 12:03

Comments:

Analyzed: 04/14/21 18:00

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.335	0.61	D-F, LK	0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S1	Lab ID: 1041340-01	Sampled: 03/29/21 23:59
Pressure @ Receipt: 8.50" Hg	Canister #: 18836	Received: 04/13/21 13:52
Comments:		Analyzed: 04/15/21 15:22

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0443	0.08		0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 1041340-02

Sampled: 03/29/21 23:59

Pressure @ Receipt: 3.50" Hg

Canister #: 18870

Received: 04/13/21 13:52

Comments:

Analyzed: 04/15/21 16:23

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0491	0.09		0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S2

Lab ID: 1041340-03

Sampled: 03/29/21 23:59

Pressure @ Receipt: 3.50" Hg

Canister #: A21071

Received: 04/13/21 13:52

Comments:

Analyzed: 04/15/21 17:24

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.219	0.40	LK	0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S7-SA

Lab ID: 1041340-04

Sampled: 03/29/21 23:59

Pressure @ Receipt: 5.00" Hg

Canister #: 18881

Received: 04/13/21 13:52

Comments:

Analyzed: 04/15/21 18:25

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0739	0.13		0.0261



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FILE #: 4222.00

REPORTED: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 1041340-05

Sampled: 03/29/21 23:59

Pressure @ Receipt: 6.00" Hg

Canister #: A21098

Received: 04/13/21 13:52

Comments:

Analyzed: 04/15/21 20:27

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.136	0.25		0.0261



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FILE #: 4222.00
 REPORTED: 05/11/21 11:54
 SUBMITTED: 03/16/21 to 04/22/21
 AQS SITE CODE:
 SITE CODE: Cobb

Description: S1	Lab ID: 1042122-01	Sampled: 04/04/21 23:59
Pressure @ Receipt: 6.00" Hg	Canister #: 33235	Received: 04/21/21 11:45
Comments:		Analyzed: 04/27/21 17:46

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0734	0.13		0.0261



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: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 1042219-02

Sampled: 04/04/21 23:59

Pressure @ Receipt: 3.00" Hg

Canister #: 19643

Received: 04/22/21 13:10

Comments:

Analyzed: 04/28/21 02:54

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0721	0.13		0.0261



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: 05/11/21 11:54

SUBMITTED: 03/16/21 to 04/22/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 1042219-03

Sampled: 04/04/21 23:59

Pressure @ Receipt: 5.50" Hg

Canister #: 18828

Received: 04/22/21 13:10

Comments:

Analyzed: 04/28/21 03:55

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0644	0.12		0.0261



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: 05/11/21 11:54
 SUBMITTED: 03/16/21 to 04/22/21
 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 B1C2207 - Summa Canister Prep

Blank (B1C2207-BLK1)

Prepared & Analyzed: 03/22/21

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

Batch B1C2603 - Summa Canister Prep

Blank (B1C2603-BLK1)

Prepared & Analyzed: 03/26/21

Ethylene oxide	ND	ppbv				U
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Batch B1D1205 - Summa Canister Prep

Blank (B1D1205-BLK1)

Prepared & Analyzed: 04/12/21

Ethylene oxide	ND	ppbv				U
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Batch B1D1403 - Summa Canister Prep

Blank (B1D1403-BLK1)

Prepared & Analyzed: 04/14/21

Ethylene oxide	ND	ppbv				U
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Duplicate (B1D1403-DUP1)**Source: 1040821-04**

Prepared: 03/23/21 Analyzed: 04/14/21

Ethylene oxide	0.494	ppbv	0.48	2.29	25	
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Duplicate (B1D1403-DUP2)**Source: 1040821-05**

Prepared: 03/23/21 Analyzed: 04/14/21

Ethylene oxide	0.337	ppbv	0.34	0.774	25	
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Batch B1D1505 - Summa Canister Prep

Blank (B1D1505-BLK1)

Prepared & Analyzed: 04/15/21

Ethylene oxide	ND	ppbv				U
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Duplicate (B1D1505-DUP1)**Source: 1041340-04**

Prepared: 03/29/21 Analyzed: 04/15/21

Ethylene oxide	0.0726	ppbv	0.07	1.77	25	
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Batch B1D2707 - Summa Canister Prep

Blank (B1D2707-BLK1)

Prepared & Analyzed: 04/27/21

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



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: 05/11/21 11:54
SUBMITTED: 03/16/21 to 04/22/21
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 2103062

Calibration Check (2103062-CCV1)

Prepared & Analyzed: 03/22/21

Ethylene oxide	2.22	ppbv	-11.4	30.00
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Sequence 2103072

Calibration Check (2103072-CCV1)

Prepared & Analyzed: 03/26/21

Ethylene oxide	2.46	ppbv	-1.8	30.00
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Sequence 2104023

Calibration Check (2104023-CCV1)

Prepared & Analyzed: 04/12/21

Ethylene oxide	2.33	ppbv	-3.6	30.00
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Sequence 2104029

Calibration Check (2104029-CCV1)

Prepared & Analyzed: 04/14/21

Ethylene oxide	2.56	ppbv	5.9	30.00
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Sequence 2104031

Calibration Check (2104031-CCV1)

Prepared & Analyzed: 04/15/21

Ethylene oxide	2.70	ppbv	11.6	30.00
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Sequence 2104053

Calibration Check (2104053-CCV1)

Prepared & Analyzed: 04/27/21

Ethylene oxide	3.00	ppbv	24.3	30.00
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CERTIFICATE OF ANALYSIS

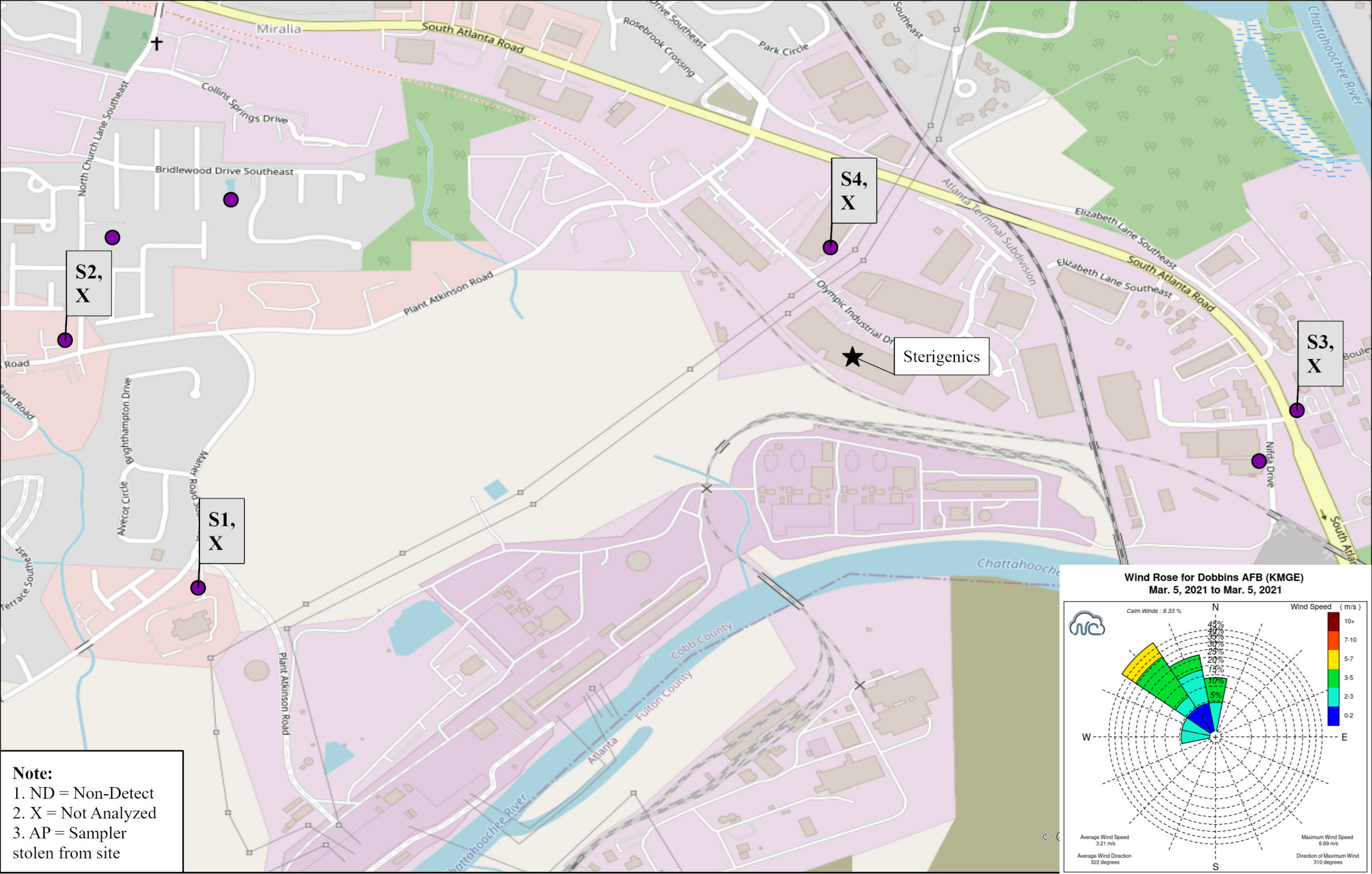
U.S. Environmental Protection Agency, Region 4
4244 International Pkwy, Suite 120
Atlanta, GA 30354
ATTN: Ms. Jaime Gore
PHONE: (404) 362-4912 **FAX:** (919) 541-0516

FILE #: 4222.00
REPORTED: 05/11/21 11:54
SUBMITTED: 03/16/21 to 04/22/21
AQS SITE CODE:
SITE CODE: Cobb

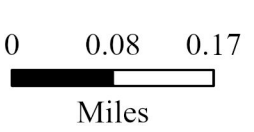
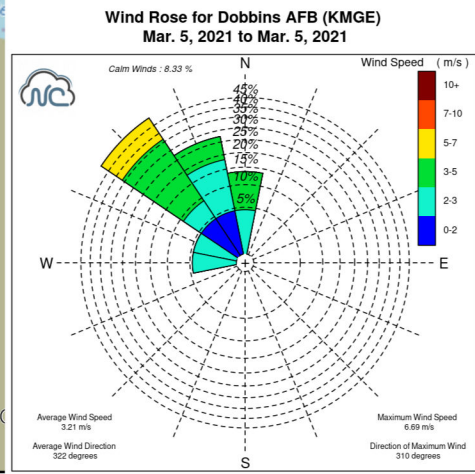
Notes and Definitions

U Under Detection Limit
D-F Duplicate exceeds DQO criteria.
ND Analyte NOT DETECTED
NR Not Reported
MDL Method Detection Limit
RPD Relative Percent Difference
LK Analyte Identified: Reported Value May Be Biased High

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.



Note:
 1. ND = Non-Detect
 2. X = Not Analyzed
 3. AP = Sampler stolen from site

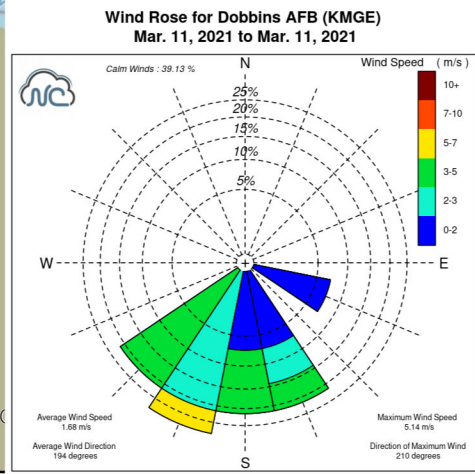


Site ID, Concentration ($\mu\text{g}/\text{m}^3$)

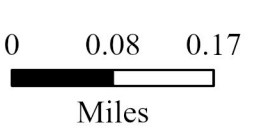
Ethylene Oxide Sampling
 Cobb County, GA

03/05/2021
 Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group





Note:
 1. ND = Non-Detect
 2. X = Not Analyzed
 3. AP = Sampler stolen from site

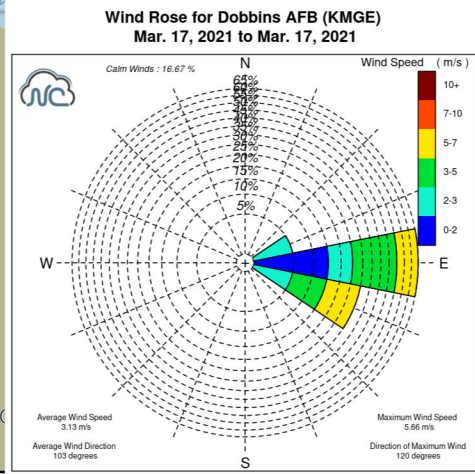


Site ID, Concentration (µg/m3)

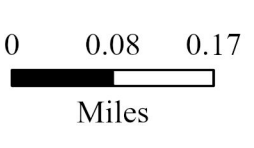
Ethylene Oxide Sampling
Cobb County, GA

03/11/2021
 Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group





Note:
 1. ND = Non-Detect
 2. X = Not Analyzed
 3. AP = Sampler stolen from site



Site ID, Concentration (µg/m3)

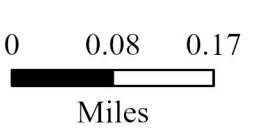
Ethylene Oxide Sampling
Cobb County, GA

03/17/2021
 Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group





Note:
 1. ND = Non-Detect
 2. X = Not Analyzed
 3. AP = Sampler stolen from site



Site ID, Concentration (µg/m3)

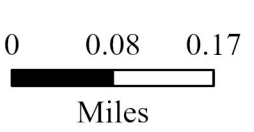
Ethylene Oxide Sampling
 Cobb County, GA

03/23/2021
 Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group





Note:
 1. ND = Non-Detect
 2. X = Not Analyzed
 3. AP = Sampler stolen from site



Site ID, Concentration (µg/m3)

Ethylene Oxide Sampling
 Cobb County, GA

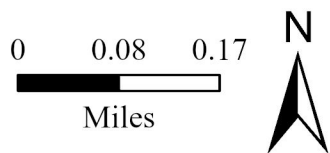
03/29/2021
 Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group





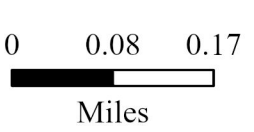
Ethylene Oxide Sampling
 Cobb County, GA

March 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



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

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Site ID, Concentration (µg/m3)

Ethylene Oxide Sampling
 Cobb County, GA

04/04/2021
 Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group

