

August 23, 2021

MEMORANDUM

To: Karen Hays, Air Branch Chief *KH*

Through: James Boylan, Assistant Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: Cobb – April 10- April 28, 2021, Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of April 10- April 28, 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 duplicate exceeds DQO criteria. The Qualifier code of “LK” was given by ERG to indicate that the sample may be biased high.

| Location | Date | Qualifier | EtO Concentration (ug/m ³) |
|----------|------------|-----------|---|
| S1 | 04/10/2021 | | 0.17 |
| S1 | 04/16/2021 | 2 | 0.24 |
| S1 | 04/22/2021 | 2 | 0.16 |
| S1 | 04/28/2021 | | 0.14 |
| S2 | 04/10/2021 | 3 | 0.09 |
| S2 | 04/16/2021 | 3 | 0.08 |
| S2 | 04/22/2021 | 3 | 0.08 |
| S2 | 04/28/2021 | 3 | 0.30 |
| S3 | 04/10/2021 | | 0.15 |
| S3 | 04/16/2021 | | 0.37 |
| S3 | 04/22/2021 | | 0.09 |
| S3 | 04/28/2021 | | 0.17 |
| S4 | 04/10/2021 | | 0.33 |
| S4 | 04/16/2021 | LK | 0.44 |
| S4 | 04/22/2021 | 2, D-F | 0.32 |
| S4 | 04/28/2021 | 2 | 0.27 |
| S4-QA | 04/22/2021 | D-F | 0.50 |
| S7-SA | 04/28/2021 | 2 | 0.49 |

If you have any questions, please let me know.

DGO/do



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

June 09, 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 04/22/21 13:10 through 05/12/21 13:32.

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: 06/09/21 12:35
SUBMITTED: 04/22/21 to 05/12/21
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 | 1042219-04 | Air | 04/10/21 23:59 | 04/22/21 13:10 |
| S2 | 1042219-05 | Air | 04/10/21 23:59 | 04/22/21 13:10 |
| S3 | 1042219-06 | Air | 04/10/21 23:59 | 04/22/21 13:10 |
| S4 | 1042219-07 | Air | 04/10/21 23:59 | 04/22/21 13:10 |
| S1 | 1042935-01 | Air | 04/16/21 23:59 | 04/29/21 11:43 |
| S2 | 1042935-02 | Air | 04/16/21 23:59 | 04/29/21 11:43 |
| S4 | 1042935-03 | Air | 04/16/21 23:59 | 04/29/21 11:43 |
| S3 | 1042935-04 | Air | 04/16/21 23:59 | 04/29/21 11:43 |
| S1 | 1043024-01 | Air | 04/22/21 23:59 | 04/30/21 12:27 |
| S2 | 1043024-02 | Air | 04/22/21 23:59 | 04/30/21 12:27 |
| S4-QA | 1043024-03 | Air | 04/22/21 23:59 | 04/30/21 12:27 |
| S3 | 1050323-01 | Air | 04/22/21 23:59 | 04/30/21 11:38 |
| Cobb FB | 1050423-01 | Air | 04/27/21 00:00 | 05/04/21 13:32 |
| S4 | 1050719-01 | Air | 04/22/21 23:59 | 05/07/21 13:48 |
| S1 | 1051246-01 | Air | 04/28/21 23:59 | 05/12/21 13:32 |
| S2 | 1051246-02 | Air | 04/28/21 23:59 | 05/12/21 13:32 |
| S7-SA | 1051246-03 | Air | 04/28/21 23:59 | 05/12/21 13:32 |
| S4 | 1051246-04 | Air | 04/28/21 23:59 | 05/12/21 13:32 |
| S3 | 1051246-05 | Air | 04/28/21 23:59 | 05/12/21 13:32 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S1

Lab ID: 1042219-04

Sampled: 04/10/21 23:59

Pressure @ Receipt: 6.50" Hg

Canister #: 19654

Received: 04/22/21 13:10

Comments:

Analyzed: 04/29/21 02:49

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 | 0.0953 | 0.17 | | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S2

Lab ID: 1042219-05

Sampled: 04/10/21 23:59

Pressure @ Receipt: 4.50" Hg

Canister #: 111217

Received: 04/22/21 13:10

Comments:

Analyzed: 04/29/21 03:50

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 | 0.0476 | 0.09 | | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 1042219-06

Sampled: 04/10/21 23:59

Pressure @ Receipt: 4.50" Hg

Canister #: 114386

Received: 04/22/21 13:10

Comments:

Analyzed: 04/29/21 04:51

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 | 0.0810 | 0.15 | | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 1042219-07

Sampled: 04/10/21 23:59

Pressure @ Receipt: 7.00" Hg

Canister #: A21108

Received: 04/22/21 13:10

Comments:

Analyzed: 04/29/21 05:52

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 | 0.181 | 0.33 | | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S1

Lab ID: 1042935-01

Sampled: 04/16/21 23:59

Pressure @ Receipt: 0.50" Hg

Canister #: A21055

Received: 04/29/21 11:43

Comments:

Analyzed: 05/12/21 02:40

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 | 0.131 | 0.24 | | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S2

Lab ID: 1042935-02

Sampled: 04/16/21 23:59

Pressure @ Receipt: 4.50" Hg

Canister #: 19280

Received: 04/29/21 11:43

Comments:

Analyzed: 05/12/21 19:25

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 | 0.0431 | 0.08 | | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 1042935-03

Sampled: 04/16/21 23:59

Pressure @ Receipt: 6.00" Hg

Canister #: A21033

Received: 04/29/21 11:43

Comments:

Analyzed: 05/12/21 20:26

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 | 0.242 | 0.44 | ☞ | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 1042935-04

Sampled: 04/16/21 23:59

Pressure @ Receipt: 4.00" Hg

Canister #: A21109

Received: 04/29/21 11:43

Comments: Changed per email from site

Analyzed: 05/12/21 21:27

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 | 0.204 | 0.37 | | 0.0261 |

discontinued site had been listed as site number - EPD corrected site name to lab 6/1/21

DGO 8/23/2021



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S1

Lab ID: 1043024-01

Sampled: 04/22/21 23:59

Pressure @ Receipt: 7.50" Hg

Canister #: A21036

Received: 04/30/21 12:27

Comments:

Analyzed: 05/13/21 05:34

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 | 0.0878 | 0.16 | | 0.0261 |



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

FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S2

Lab ID: 1043024-02

Sampled: 04/22/21 23:59

Pressure @ Receipt: 3.00" Hg

Canister #: 19288

Received: 04/30/21 12:27

Comments:

Analyzed: 05/13/21 06:34

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 | 0.0468 | 0.08 | | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4-QA

Lab ID: 1043024-03

Sampled: 04/22/21 23:59

Pressure @ Receipt: 5.50" Hg

Canister #: 18880

Received: 04/30/21 12:27

Comments:

Analyzed: 05/19/21 20:48

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 | 0.274 | 0.50 | D-F | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 1050323-01

Sampled: 04/22/21 23:59

Pressure @ Receipt: 2.50" Hg

Canister #: 33512

Received: 04/30/21 11:38

Comments: Changed per email from site

Analyzed: 05/14/21 02:53

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 | 0.0524 | 0.09 | | 0.0261 |

discontinued site had been listed as site number - EPD corrected site name to lab 6/1/21

dgo 8/23/2021



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: Cobb FB

Lab ID: 1050423-01

Sampled: 04/27/21 00:00

Pressure @ Receipt: 29.50 "Hg

Canister #: 114344

Received: 05/04/21 13:32

Comments: Field Blank

Analyzed: 05/20/21 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 | ND | ND | U | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 1050719-01

Sampled: 04/22/21 23:59

Pressure @ Receipt: 7.50" Hg

Canister #: 111219

Received: 05/07/21 13:48

Comments:

Analyzed: 05/19/21 18:46

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 | 0.175 | 0.32 | D-F | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S1

Lab ID: 1051246-01

Sampled: 04/28/21 23:59

Pressure @ Receipt: 7.00" Hg

Canister #: 114322

Received: 05/12/21 13:32

Comments:

Analyzed: 05/20/21 04:55

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 | 0.0766 | 0.14 | | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S2

Lab ID: 1051246-02

Sampled: 04/28/21 23:59

Pressure @ Receipt: 6.00" Hg

Canister #: 0044

Received: 05/12/21 13:32

Comments:

Analyzed: 05/20/21 05:56

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 | 0.167 | 0.30 | | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S7-SA

Lab ID: 1051246-03

Sampled: 04/28/21 23:59

Pressure @ Receipt: 6.50" Hg

Canister #: SAT012

Received: 05/12/21 13:32

Comments:

Analyzed: 05/20/21 06:57

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 | 0.269 | 0.49 | | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 1051246-04

Sampled: 04/28/21 23:59

Pressure @ Receipt: 8.00" Hg

Canister #: A21026

Received: 05/12/21 13:32

Comments:

Analyzed: 05/20/21 08:59

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 | 0.151 | 0.27 | | 0.0261 |



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FILE #: 4222.00

REPORTED: 06/09/21 12:35

SUBMITTED: 04/22/21 to 05/12/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 1051246-05

Sampled: 04/28/21 23:59

Pressure @ Receipt: 5.50" Hg

Canister #: 110308

Received: 05/12/21 13:32

Comments: Changed per email from site

Analyzed: 05/20/21 10:00

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 | 0.0955 | 0.17 | | 0.0261 |

discontinued site had been listed as site number - EPD corrected site name to lab 6/1/21

dgo 8/23/2021



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: 06/09/21 12:35
SUBMITTED: 04/22/21 to 05/12/21
AQS SITE CODE:
SITE CODE: Cobb

| Analyte | Result | Units | Source Result | RPD | RPD Limit | Notes |
|--|---------------------------|-------|---------------------------------------|------|-----------|-------|
| Air Toxics by EPA Compendium Method TO-15 - Quality Control | | | | | | |
| <i>Batch B1D2808 - Summa Canister Prep</i> | | | | | | |
| Blank (B1D2808-BLK1) | | | Prepared & Analyzed: 04/28/21 | | | |
| Ethylene oxide | ND | ppbv | | | | U |
| <i>Batch B1E1108 - Summa Canister Prep</i> | | | | | | |
| Blank (B1E1108-BLK1) | | | Prepared & Analyzed: 05/11/21 | | | |
| Ethylene oxide | ND | ppbv | | | | U |
| <i>Batch B1E1206 - Summa Canister Prep</i> | | | | | | |
| Blank (B1E1206-BLK1) | | | Prepared & Analyzed: 05/12/21 | | | |
| Ethylene oxide | ND | ppbv | | | | U |
| <i>Batch B1E1307 - Summa Canister Prep</i> | | | | | | |
| Blank (B1E1307-BLK1) | | | Prepared & Analyzed: 05/13/21 | | | |
| Ethylene oxide | ND | ppbv | | | | U |
| <i>Batch B1E1908 - Summa Canister Prep</i> | | | | | | |
| Blank (B1E1908-BLK1) | | | Prepared & Analyzed: 05/19/21 | | | |
| Ethylene oxide | ND | ppbv | | | | U |
| Duplicate (B1E1908-DUP1) | Source: 1050719-01 | | Prepared: 04/22/21 Analyzed: 05/19/21 | | | |
| Ethylene oxide | 0.179 | ppbv | 0.18 | 2.09 | 25 | |
| Duplicate (B1E1908-DUP2) | Source: 1043024-03 | | Prepared: 04/22/21 Analyzed: 05/19/21 | | | |
| Ethylene oxide | 0.263 | ppbv | 0.27 | 4.32 | 25 | |
| Duplicate (B1E1908-DUP6) | Source: 1051246-03 | | Prepared: 04/28/21 Analyzed: 05/20/21 | | | |
| Ethylene oxide | 0.275 | ppbv | 0.27 | 2.06 | 25 | |
| <i>Batch B1E2006 - Summa Canister Prep</i> | | | | | | |
| Blank (B1E2006-BLK1) | | | Prepared & Analyzed: 05/20/21 | | | |
| Ethylene oxide | ND | ppbv | | | | U |



CERTIFICATE OF ANALYSIS

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Atlanta, GA 30354
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FILE #: 4222.00
REPORTED: 06/09/21 12:35
SUBMITTED: 04/22/21 to 05/12/21
AQS SITE CODE:
SITE CODE: Cobb

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

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

Sequence 2104053

Calibration Check (2104053-CCV1)

Prepared & Analyzed: 04/27/21

| | | | | |
|----------------|------|------|------|-------|
| Ethylene oxide | 3.00 | ppbv | 24.3 | 30.00 |
|----------------|------|------|------|-------|

Sequence 2104057

Calibration Check (2104057-CCV1)

Prepared & Analyzed: 04/28/21

| | | | | |
|----------------|------|------|------|-------|
| Ethylene oxide | 2.75 | ppbv | 13.7 | 30.00 |
|----------------|------|------|------|-------|

Sequence 2105022

Calibration Check (2105022-CCV1)

Prepared & Analyzed: 05/11/21

| | | | | |
|----------------|------|------|-------|-------|
| Ethylene oxide | 2.09 | ppbv | -13.4 | 30.00 |
|----------------|------|------|-------|-------|

Sequence 2105025

Calibration Check (2105025-CCV1)

Prepared & Analyzed: 05/12/21

| | | | | |
|----------------|------|------|-------|-------|
| Ethylene oxide | 2.09 | ppbv | -13.7 | 30.00 |
|----------------|------|------|-------|-------|

Sequence 2105029

Calibration Check (2105029-CCV1)

Prepared & Analyzed: 05/13/21

| | | | | |
|----------------|------|------|-------|-------|
| Ethylene oxide | 2.07 | ppbv | -14.3 | 30.00 |
|----------------|------|------|-------|-------|

Sequence 2105048

Calibration Check (2105048-CCV1)

Prepared & Analyzed: 05/19/21

| | | | | |
|----------------|------|------|-------|-------|
| Ethylene oxide | 2.16 | ppbv | -10.7 | 30.00 |
|----------------|------|------|-------|-------|

Sequence 2105053

Calibration Check (2105053-CCV1)

Prepared & Analyzed: 05/20/21

| | | | | |
|----------------|------|------|-------|-------|
| Ethylene oxide | 2.17 | ppbv | -10.2 | 30.00 |
|----------------|------|------|-------|-------|



CERTIFICATE OF ANALYSIS

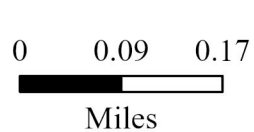
U.S. Environmental Protection Agency, Region 4
4244 International Pkwy, Suite 120
Atlanta, GA 30354
ATTN: Ms. Jaime Gore
PHONE: (404) 362-4912 **FAX:** (919) 541-0516

FILE #: 4222.00
REPORTED: 06/09/21 12:35
SUBMITTED: 04/22/21 to 05/12/21
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.



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

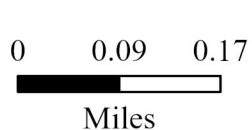
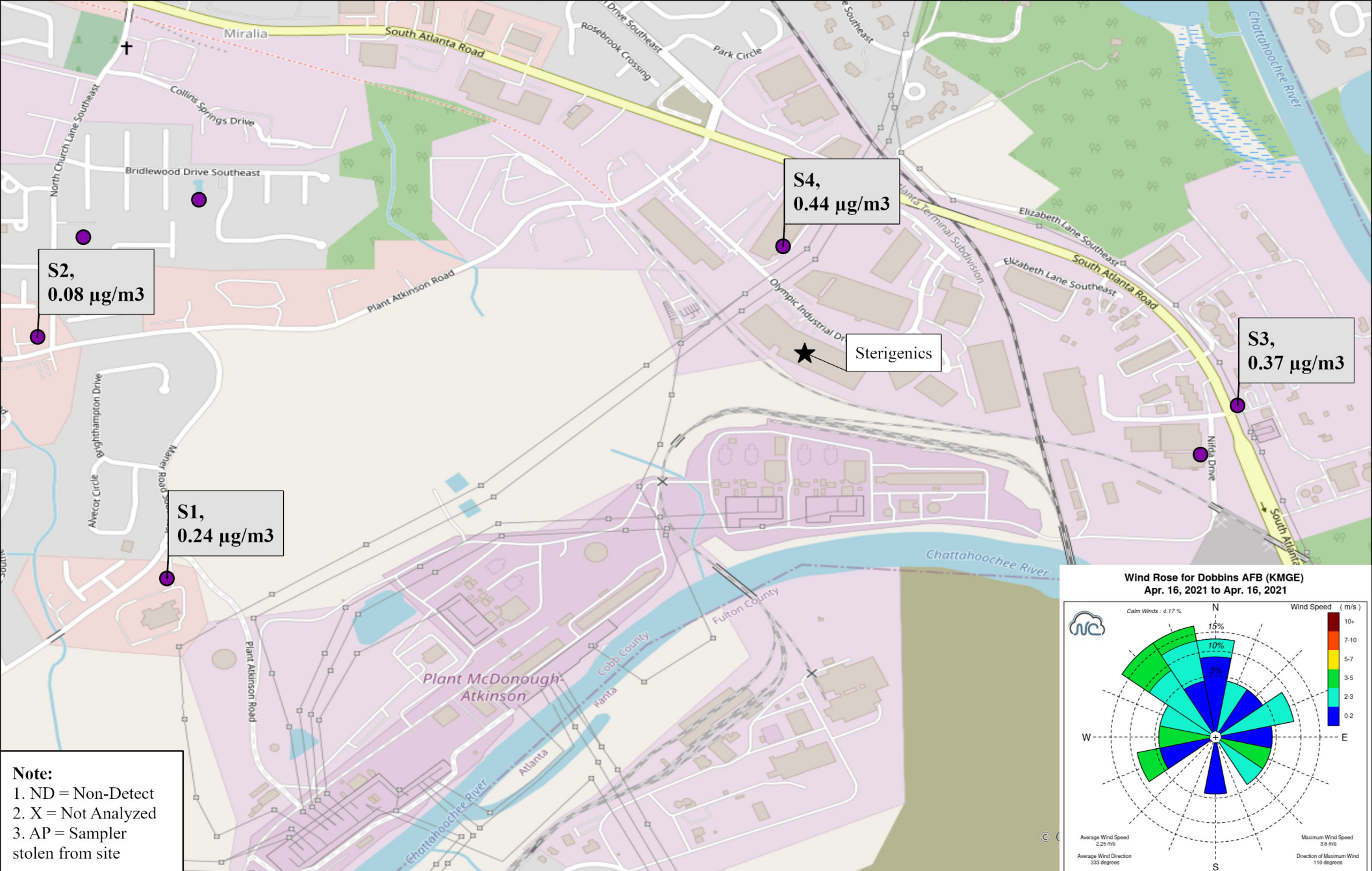
Ethylene Oxide Sampling
 Cobb County, GA

04/10/2021
 Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group



GEORGIA
 DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION



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

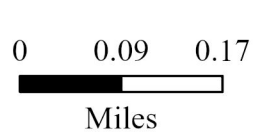
Ethylene Oxide Sampling
 Cobb County, GA

04/16/2021
 Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group



GEORGIA
 DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION



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

Ethylene Oxide Sampling
 Cobb County, GA

04/22/2021

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



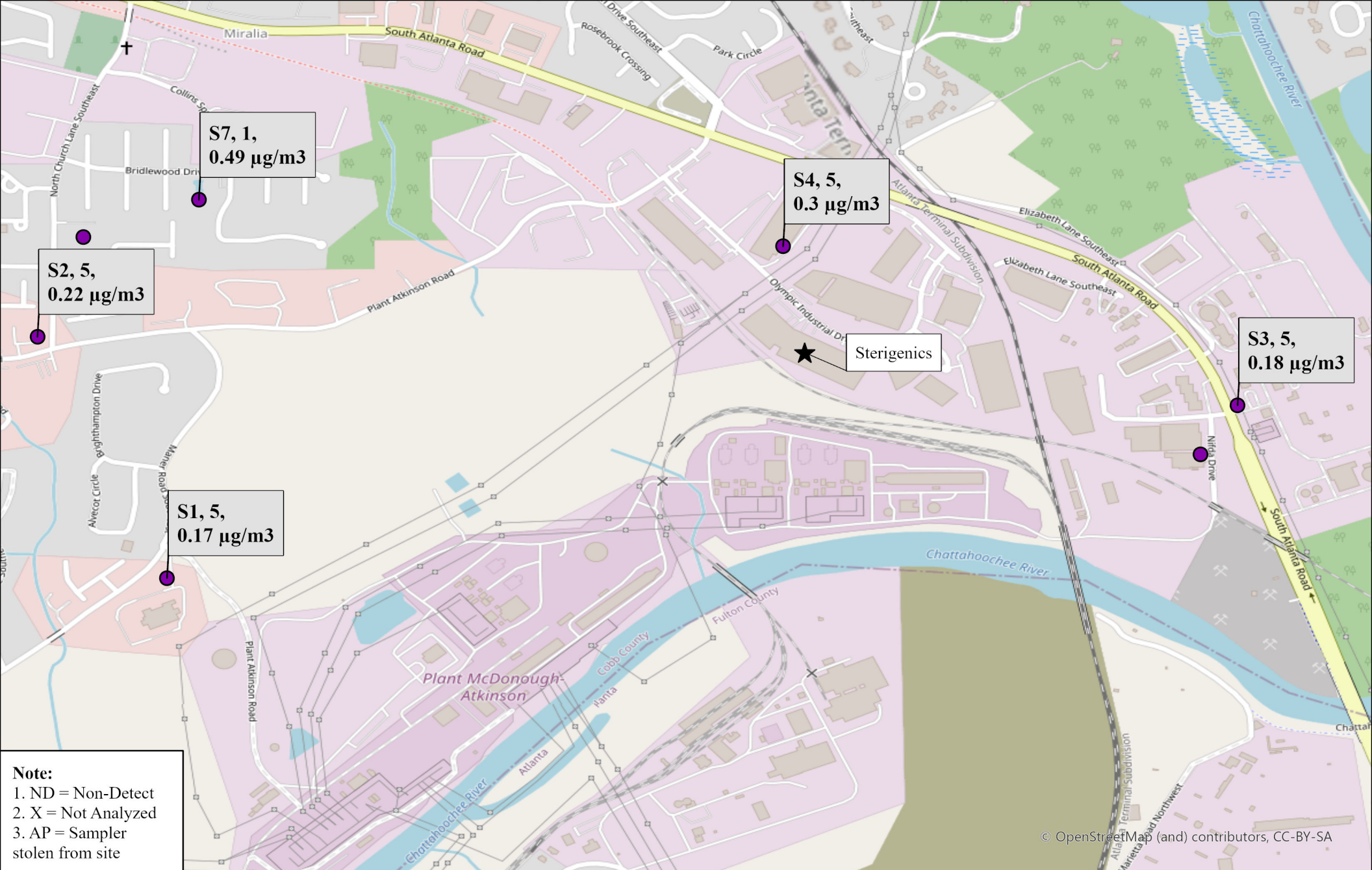
GEORGIA
 DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION



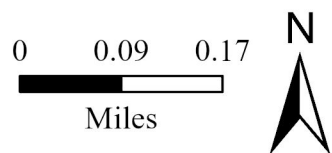
Ethylene Oxide Sampling
 Cobb County, GA

04/28/2021
 Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group



Ethylene Oxide Sampling Cobb County, GA

April 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)**