

May 20, 2021

**MEMORANDUM**

K/H

To: Karen Hays, Air Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: Cobb - December 23, 2020- January 16, 2021 Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of December 23, 2020- January 16, 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 "LK" was given by ERG to indicate that the sample may be biased high. The Qualifier code "U" was given by ERG to indicate that the sample is under the detection limit. The sample listed as AL indicates that sample was voided by the operator.

Location	Date	Qualifier	EtO Concentration (ug/m <sup>3</sup> )
S1	12/23/2020		0.10
S1	12/29/2020		0.09
S1	01/04/2021		0.07
S1	01/10/2021	LK, 2	0.25
S1	01/16/2021		0.10
S2	12/23/2020	3	0.05
S2	12/29/2020	3	0.25
S2	01/04/2021	3	0.17
S2	01/10/2021	2,3	0.25
S2	01/16/2021	U,3	0.04
S3	12/23/2020		0.06
S3	12/29/2020		0.28
S3	01/04/2021		0.28
S3	01/10/2021		0.18
S3	01/16/2021	LK	0.11
S4	12/23/2020		0.15
S4	12/29/2020		0.14
S4	01/04/2021		0.13
S4	01/10/2021	2	0.18
S4	01/16/2021		0.07

Location		Date		Qualifier		EtO Concentration (ug/m <sup>3</sup> )
S4-QA		01/10/2021		2		0.13
S6-SA		12/23/2020				0.06

If you have any questions, please let me know.

DGO/do



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

March 04, 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 01/05/21 10:34 through 01/27/21 12:09.

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](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: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

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	1010523-01	Air	12/29/20 23:59	01/05/21 10:34
S2	1010523-02	Air	12/29/20 23:59	01/05/21 10:34
S3	1010523-03	Air	12/29/20 23:59	01/05/21 10:34
S4	1010523-04	Air	12/29/20 23:59	01/05/21 10:34
S1	1010627-01	Air	12/23/20 23:59	01/06/21 11:37
S2	1010627-02	Air	12/23/20 23:59	01/06/21 11:37
S3	1010627-03	Air	12/23/20 23:59	01/06/21 11:37
S4	1010627-04	Air	12/23/20 23:59	01/06/21 11:37
S6-SA	1010722-01	Air	12/23/20 23:59	01/07/21 11:52
Cobb FB	1011327-01	Air	12/28/20 00:00	01/13/21 13:39
S1	1011515-01	Air	01/04/21 23:59	01/15/21 11:10
S2	1011515-02	Air	01/04/21 23:59	01/15/21 11:10
S3	1011515-03	Air	01/04/21 23:59	01/15/21 11:10
S4	1011515-04	Air	01/04/21 23:59	01/15/21 11:10
S1	1012724-01	Air	01/10/21 23:59	01/27/21 12:09
S2	1012724-02	Air	01/10/21 23:59	01/27/21 12:09
S3	1012724-03	Air	01/10/21 23:59	01/27/21 12:09
S4	1012724-04	Air	01/10/21 23:59	01/27/21 12:09
S4 QA	1012724-05	Air	01/10/21 23:59	01/27/21 12:09
S1	1012724-06	Air	01/16/21 23:59	01/27/21 12:09
S2	1012724-07	Air	01/16/21 23:59	01/27/21 12:09
S3	1012724-08	Air	01/16/21 23:59	01/27/21 12:09

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.*



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S4

1012724-09

Air

**FILE #:** 4222.00

**REPORTED:** 03/04/21 14:16

**SUBMITTED:** 01/05/21 to 01/27/21

**AQS SITE CODE:**

**SITE CODE:** Cobb

01/16/21 23:59

01/27/21 12:09



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S1

Lab ID: 1010523-01

Sampled: 12/29/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 110322

Received: 01/05/21 10:34

Comments: Received at ambient pressure

Analyzed: 01/14/21 16:35

### 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	0.0489	0.09		0.0285



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S2

Lab ID: 1010523-02

Sampled: 12/29/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: SAT097

Received: 01/05/21 10:34

Comments: Received at ambient pressure

Analyzed: 01/14/21 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/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.136	0.25		0.0285



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 1010523-03

Sampled: 12/29/20 23:59

Pressure @ Receipt: 2.50" Hg

Canister #: SAT076

Received: 01/05/21 10:34

Comments:

Analyzed: 01/14/21 19:21

### 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/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.157	0.28		0.0285





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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 1010523-04

Sampled: 12/29/20 23:59

Pressure @ Receipt: 2.50" Hg

Canister #: 114344

Received: 01/05/21 10:34

Comments:

Analyzed: 01/14/21 20:16

### 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	0.0759	0.14		0.0285



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S1

Lab ID: 1010627-01

Sampled: 12/23/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 19642

Received: 01/06/21 11:37

Comments: Received at ambient pressure

Analyzed: 01/12/21 23:11

### 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	0.0547	0.10		0.0285



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S2

Lab ID: 1010627-02

Sampled: 12/23/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: AQL0397

Received: 01/06/21 11:37

Comments: Received at ambient pressure

Analyzed: 01/13/21 00:07

### 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	0.0286	0.05		0.0285



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 1010627-03

Sampled: 12/23/20 23:59

Pressure @ Receipt: 2.50" Hg

Canister #: 114340

Received: 01/06/21 11:37

Comments:

Analyzed: 01/13/21 01:02

### 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	0.0322	0.06		0.0285



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 1010627-04

Sampled: 12/23/20 23:59

Pressure @ Receipt: 2.50" Hg

Canister #: 35139

Received: 01/06/21 11:37

Comments:

Analyzed: 01/13/21 01:58

### 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/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.0835	0.15		0.0285



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S6-SA

Lab ID: 1010722-01

Sampled: 12/23/20 23:59

Pressure @ Receipt: 1.20" Hg

Canister #: 18874

Received: 01/07/21 11:52

Comments:

Analyzed: 01/13/21 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/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.0305	0.06		0.0285



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REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: Cobb FB

Lab ID: 1011327-01

Sampled: 12/28/20 00:00

Pressure @ Receipt: 30.00" Hg

Canister #: A22304

Received: 01/13/21 13:39

Comments: Field Blank

Analyzed: 01/22/21 16:39

### 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	ND	ND	U	0.0285



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S1

Lab ID: 1011515-01

Sampled: 01/04/21 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 19278

Received: 01/15/21 11:10

Comments: Received at ambient pressure

Analyzed: 01/19/21 22:17

### 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	0.0391	0.07		0.0285





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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S2

Lab ID: 1011515-02

Sampled: 01/04/21 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: A21106

Received: 01/15/21 11:10

Comments: Received at ambient pressure

Analyzed: 01/19/21 23:13

### 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	0.0965	0.17		0.0285



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 1011515-03

Sampled: 01/04/21 23:59

Pressure @ Receipt: 2.50" Hg

Canister #: A21047

Received: 01/15/21 11:10

Comments:

Analyzed: 01/20/21 00:08

### 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	0.154	0.28		0.0285



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 1011515-04

Sampled: 01/04/21 23:59

Pressure @ Receipt: 2.50" Hg

Canister #: A21050

Received: 01/15/21 11:10

Comments:

Analyzed: 01/20/21 01:03

### 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	0.0708	0.13		0.0285



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S1

Lab ID: 1012724-01

Sampled: 01/10/21 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: SAT110

Received: 01/27/21 12:09

Comments: Received at ambient pressure

Analyzed: 01/29/21 18:53

### 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/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.137	0.25	LK	0.0285



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S2

Lab ID: 1012724-02

Sampled: 01/10/21 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: SAT077

Received: 01/27/21 12:09

Comments: Received at ambient pressure

Analyzed: 01/29/21 19:49

### 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/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.139	0.25		0.0285



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REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 1012724-03

Sampled: 01/10/21 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: SAT068

Received: 01/27/21 12:09

Comments: Received at ambient pressure

Analyzed: 01/29/21 20:44

### 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	0.102	0.18		0.0285



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 1012724-04

Sampled: 01/10/21 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: A21099

Received: 01/27/21 12:09

Comments: Received at ambient pressure

Analyzed: 01/29/21 21:39

### 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	0.0988	0.18		0.0285



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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4 QA

Lab ID: 1012724-05

Sampled: 01/10/21 23:59

Pressure @ Receipt: 0.00 psig

Canister #: SAT020

Received: 01/27/21 12:09

Comments: Received at ambient pressure

Analyzed: 01/29/21 23:29

### 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	0.0730	0.13		0.0285





## 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: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S1

Lab ID: 1012724-06

Sampled: 01/16/21 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 19340

Received: 01/27/21 12:09

Comments: Received at ambient pressure

Analyzed: 02/02/21 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/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.0539	0.10		0.0285



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Atlanta, GA 30354

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FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S2

Lab ID: 1012724-07

Sampled: 01/16/21 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 19293

Received: 01/27/21 12:09

Comments: Received at ambient pressure

Analyzed: 02/02/21 20:20

### 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	0.0240	0.04	U	0.0285



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Atlanta, GA 30354

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

FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S3

Lab ID: 1012724-08

Sampled: 01/16/21 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 35118

Received: 01/27/21 12:09

Comments: Received at ambient pressure

Analyzed: 02/02/21 21:16

### 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	0.0597	0.11	LK	0.0285



## CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency, Region 4

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Atlanta, GA 30354

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

FILE #: 4222.00

REPORTED: 03/04/21 14:16

SUBMITTED: 01/05/21 to 01/27/21

AQS SITE CODE:

SITE CODE: Cobb

Description: S4

Lab ID: 1012724-09

Sampled: 01/16/21 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 19647

Received: 01/27/21 12:09

Comments: Received at ambient pressure

Analyzed: 02/02/21 22:11

### 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	0.0364	0.07		0.0285



## 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:** 03/04/21 14:16  
**SUBMITTED:** 01/05/21 to 01/27/21  
**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 B1A1207 - Summa Canister Prep

##### Blank (B1A1207-BLK1)

Prepared: 01/10/21 Analyzed: 01/12/21

Ethylene oxide	ND	ppbv				U
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##### Duplicate (B1A1207-DUP4)

Source: 1010722-01

Prepared: 12/23/20 Analyzed: 01/13/21

Ethylene oxide	ND	ppbv	0.03		25	U
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#### Batch B1A1407 - Summa Canister Prep

##### Blank (B1A1407-BLK1)

Prepared: 01/13/21 Analyzed: 01/14/21

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

##### Duplicate (B1A1407-DUP1)

Source: 1010523-01

Prepared: 12/29/20 Analyzed: 01/14/21

Ethylene oxide	0.0504	ppbv	0.05	3.02	25	
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#### Batch B1A1906 - Summa Canister Prep

##### Blank (B1A1906-BLK1)

Prepared & Analyzed: 01/19/21

Ethylene oxide	ND	ppbv				U
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#### Batch B1A2204 - Summa Canister Prep

##### Blank (B1A2204-BLK1)

Prepared & Analyzed: 01/22/21

Ethylene oxide	ND	ppbv				U
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#### Batch B1A2904 - Summa Canister Prep

##### Blank (B1A2904-BLK1)

Prepared & Analyzed: 01/29/21

Ethylene oxide	ND	ppbv				U
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##### Duplicate (B1A2904-DUP3)

Source: 1012724-04

Prepared: 01/10/21 Analyzed: 01/29/21

Ethylene oxide	0.0924	ppbv	0.10	6.69	25	
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##### Duplicate (B1A2904-DUP4)

Source: 1012724-05

Prepared: 01/10/21 Analyzed: 01/30/21

Ethylene oxide	0.0745	ppbv	0.07	2.03	25	
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#### Batch B1B0208 - Summa Canister Prep

##### Blank (B1B0208-BLK1)

Prepared & Analyzed: 02/02/21

Ethylene oxide	ND	ppbv				U
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Atlanta, GA 30354  
**ATTN:** Ms. Jaime Gore  
**PHONE:** (404) 362-4912 **FAX:** (919) 541-0516

**FILE #:** 4222.00  
**REPORTED:** 03/04/21 14:16  
**SUBMITTED:** 01/05/21 to 01/27/21  
**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 2101019

##### Calibration Check (2101019-CCV1)

Prepared & Analyzed: 01/12/21

Ethylene oxide	2.73	ppbv	9.3	30.00
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#### Sequence 2101024

##### Calibration Check (2101024-CCV1)

Prepared & Analyzed: 01/14/21

Ethylene oxide	2.80	ppbv	16.0	30.00
Ethylene oxide	2.80	ppbv	16.0	30.00

#### Sequence 2101033

##### Calibration Check (2101033-CCV1)

Prepared & Analyzed: 01/19/21

Ethylene oxide	2.86	ppbv	18.5	30.00
----------------	------	------	------	-------

#### Sequence 2101041

##### Calibration Check (2101041-CCV1)

Prepared & Analyzed: 01/22/21

Ethylene oxide	2.88	ppbv	19.0	30.00
----------------	------	------	------	-------

#### Sequence 2101056

##### Calibration Check (2101056-CCV1)

Prepared & Analyzed: 01/29/21

Ethylene oxide	2.45	ppbv	-2.1	30.00
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#### Sequence 2102004

##### Calibration Check (2102004-CCV1)

Prepared & Analyzed: 02/02/21

Ethylene oxide	2.49	ppbv	-0.4	30.00
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## CERTIFICATE OF ANALYSIS

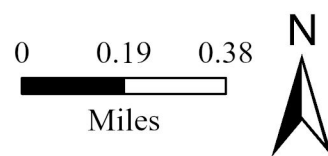
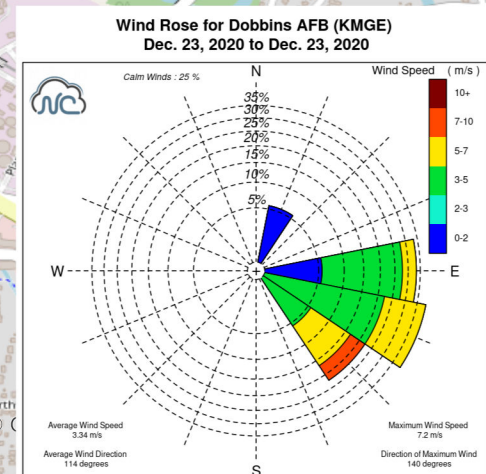
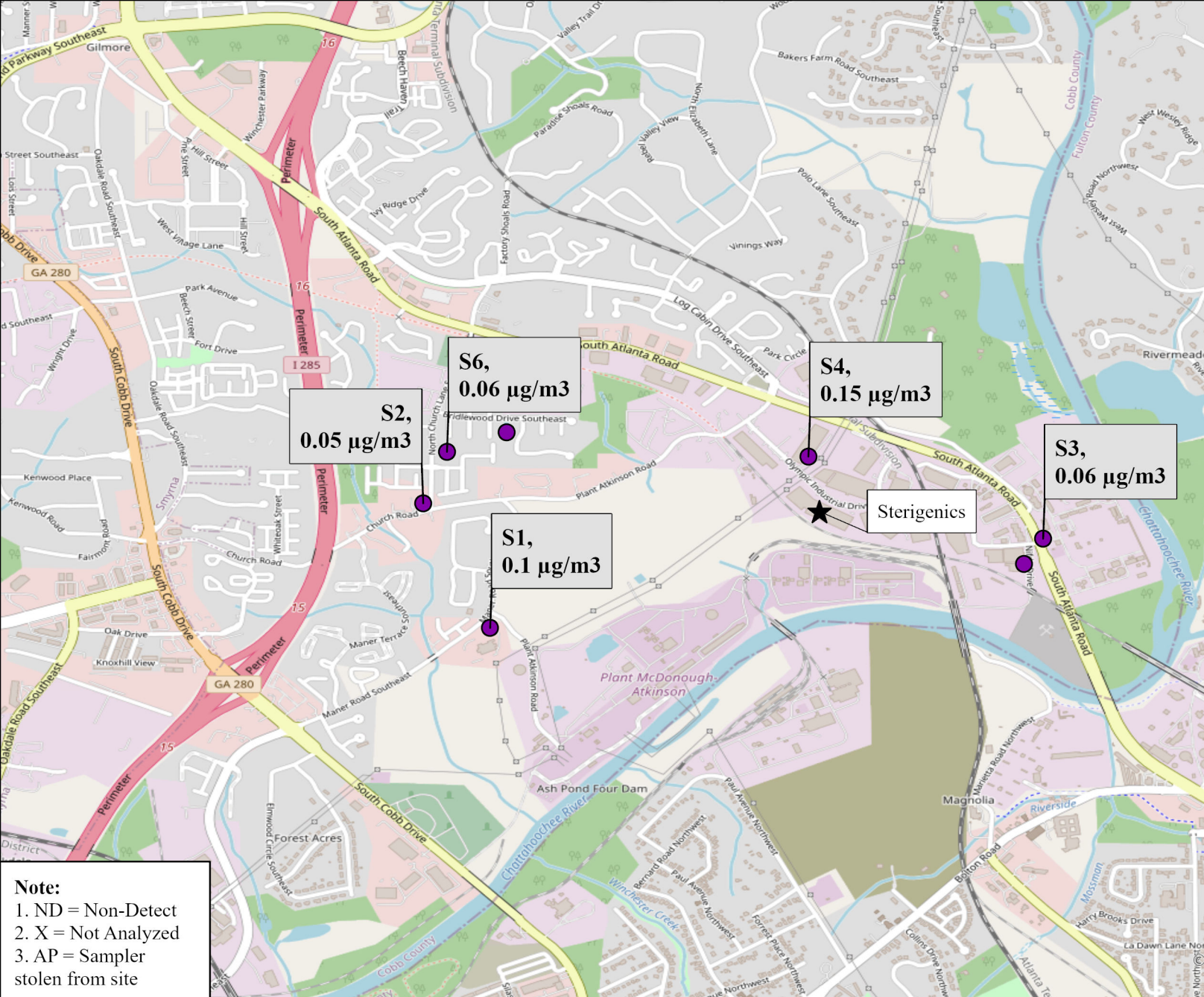
U.S. Environmental Protection Agency, Region 4  
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**AQS SITE CODE:**  
**SITE CODE:** Cobb

### Notes and Definitions

U	Under Detection Limit Analyte
ND	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.

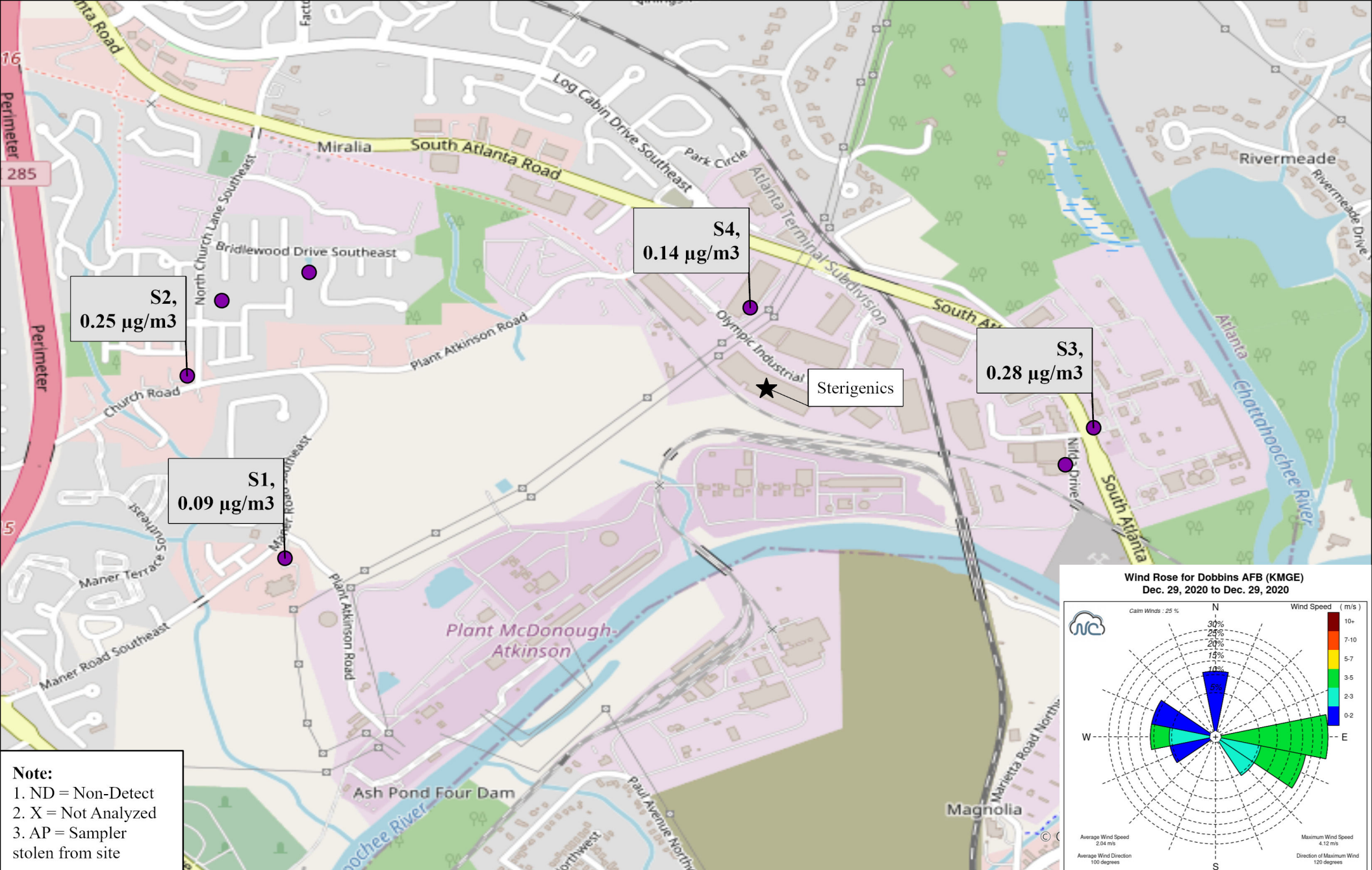


**Site ID, Concentration (µg/m3)**

Ethylene Oxide Sampling  
 Cobb County, GA

12/23/2020  
 Sampled By: Georgia Environmental Protection Division  
 Analyzed By: Eastern Research Group





0 0.11 0.23  
 Miles



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

Ethylene Oxide Sampling  
 Cobb County, GA

12/29/2020  
 Sampled By: Georgia Environmental Protection Division  
 Analyzed By: Eastern Research Group



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Ethylene Oxide Sampling  
Fulton County, GA

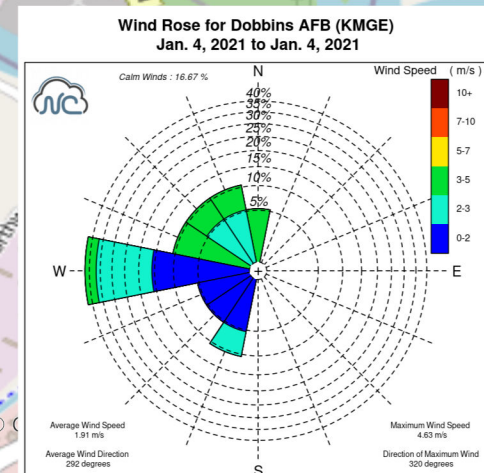
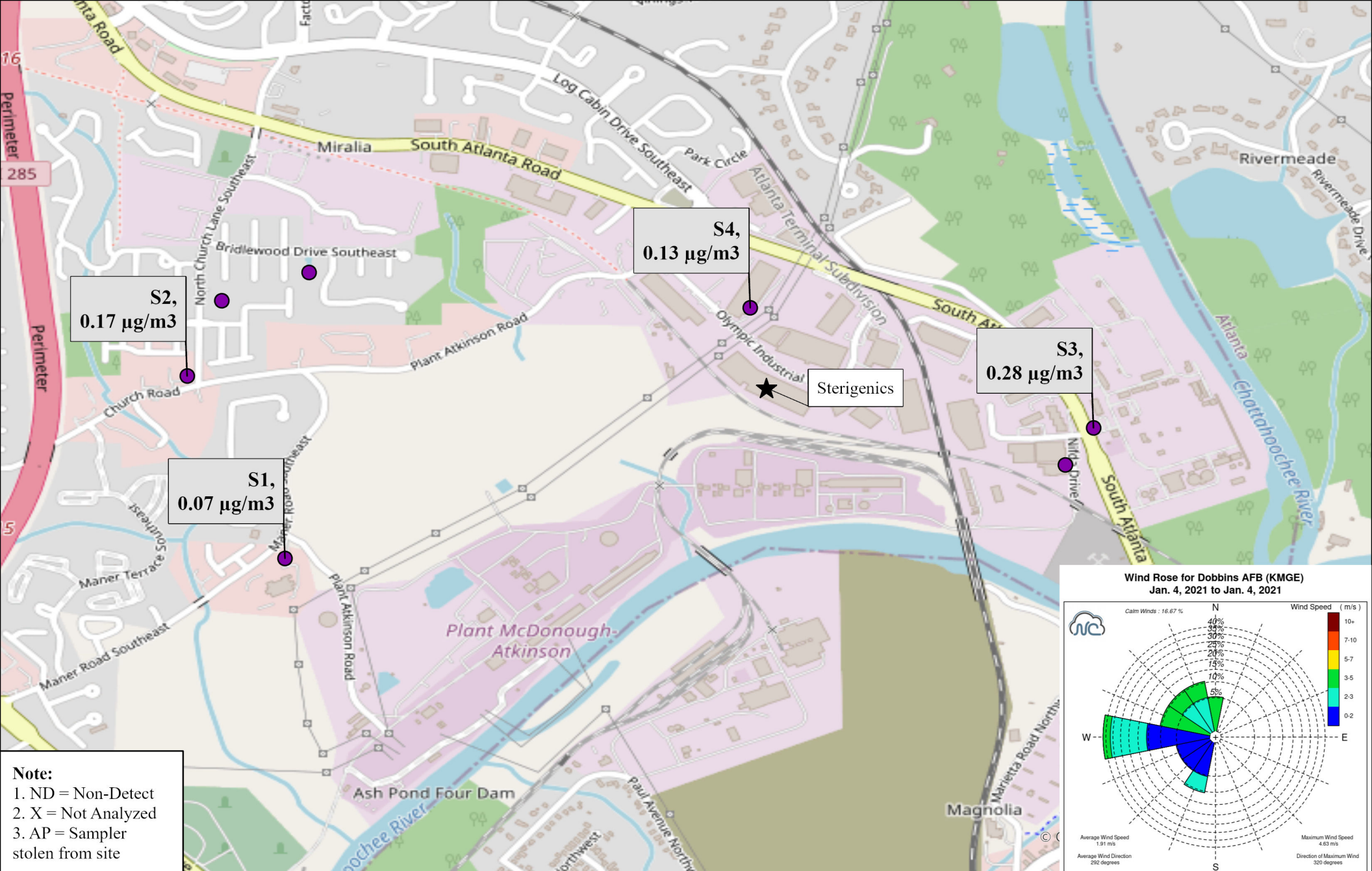
December 2020 Site Average Values  
Note: Not detectable values were included in average calculations as a value of 0.  
Sampled By: Georgia Environmental Protection Division  
Analyzed By: Eastern Research Group



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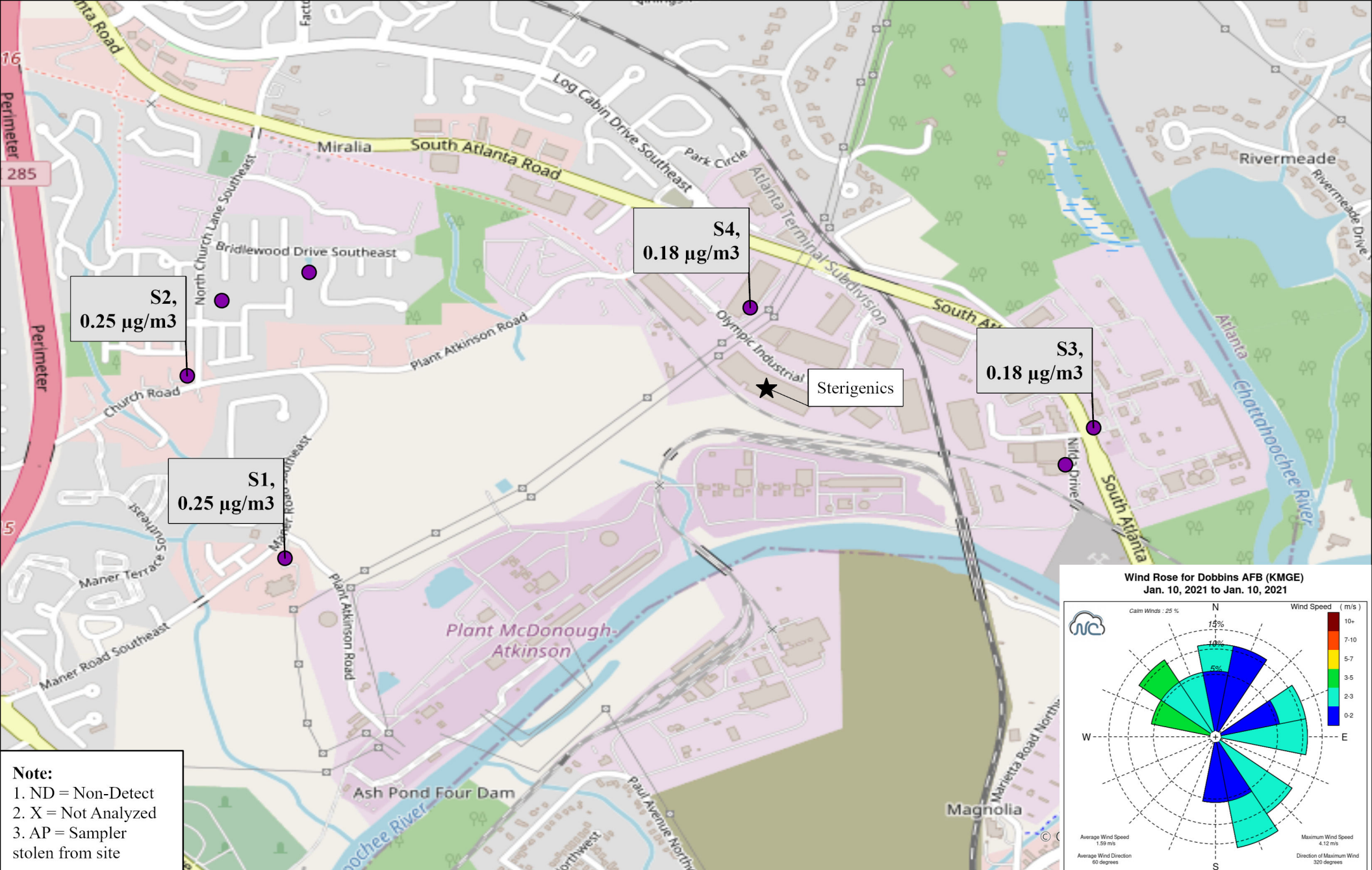




Ethylene Oxide Sampling  
 Cobb County, GA

01/04/2021  
 Sampled By: Georgia Environmental Protection Division  
 Analyzed By: Eastern Research Group





0 0.11 0.23  
 Miles



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

Ethylene Oxide Sampling  
 Cobb County, GA

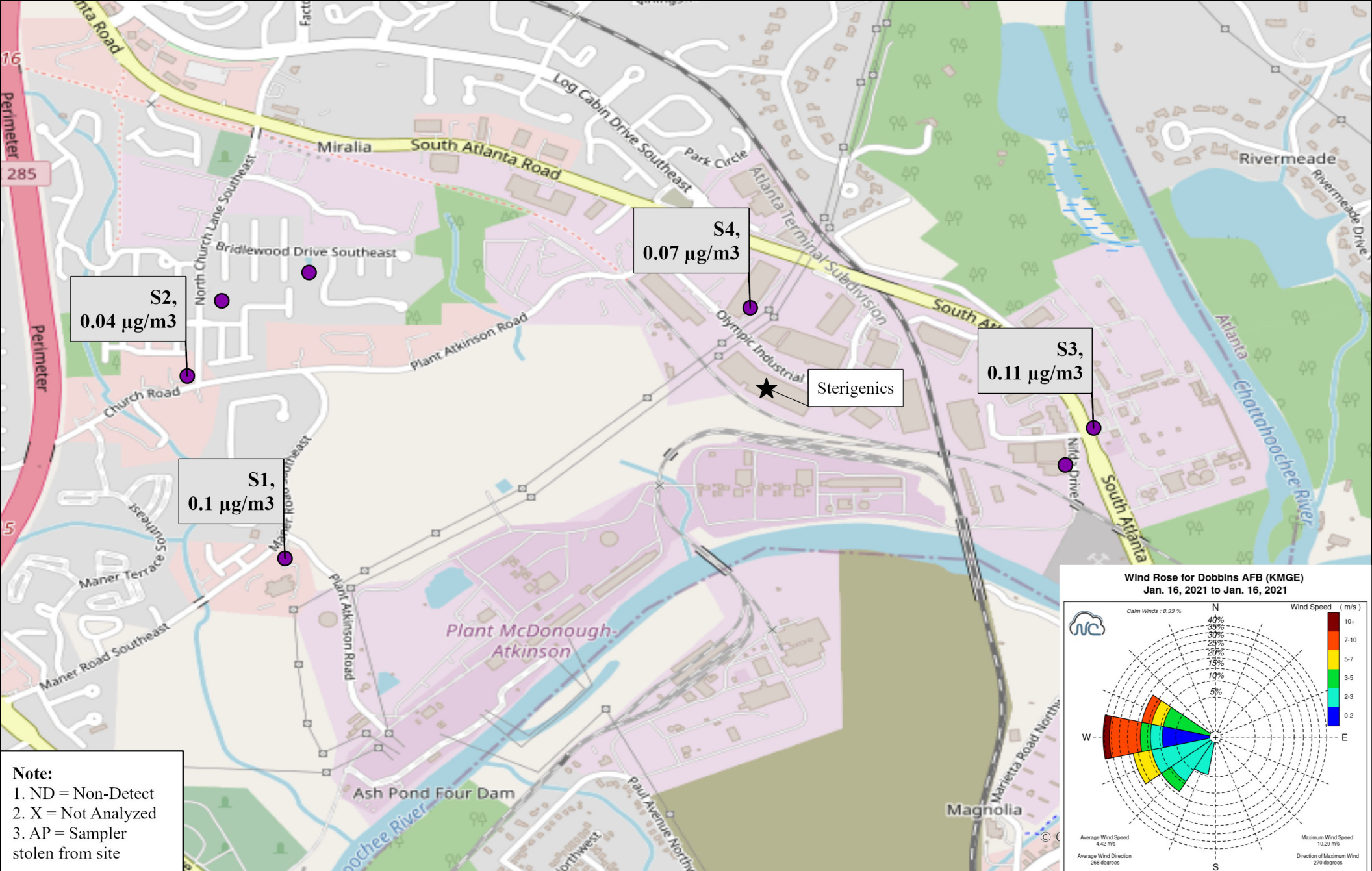
01/10/2021  
 Sampled By: Georgia Environmental Protection Division  
 Analyzed By: Eastern Research Group



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Ethylene Oxide Sampling  
 Cobb County, GA

01/16/2021  
 Sampled By: Georgia Environmental Protection Division  
 Analyzed By: Eastern Research Group