

January 24, 2021

**MEMORANDUM**

To: Karen Hays, Air Branch Chief KH

Through: Dika Kuoh, Assistant Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: Fulton September 30 – November 05, 2020 Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of September 30, 2020 – November 05, 2020 in the south Fulton area to characterize the EtO concentrations. The samples were sent to Eastern Research Group (ERG) for analysis. Results from the September 24 sample were reported on this data package as well as the previous report. Please see the memo dated December 8 for a summary of that data. The Qualifier code of “2” is applied to samples to indicate that the collection deviated from established procedures, but the integrity of the sample was not compromised. Qualifier code “D-F” is given by ERG to indicate duplicate exceeds Data Quality Objectives (DQO) criteria. Qualifier code “LK” was given by ERG to indicate that the reported value for identified analyte may be biased high. The samples listed as AA indicate that the sampler sample pressure out of limits. Sample listed “BJ” is to indicate operator error. The sample listed “AP” is being used to indicate vandalism of sample. Please note that ERG is now providing values for levels below the detection limit.

Location	Date	Qualifier	EtO Concentration (ug/m <sup>3</sup> )
F1	09/30/2020	2	0.52
F1	10/06/2020	2	0.25
F1	10/12/2020	2	0.23
F1	10/18/2020	2	0.16
F1	10/24/2020	2	0.50
F1	10/30/2020	2, LK	0.26
F1	11/05/2020	2	0.15
F2	09/30/2020	2, LK	0.72
F2	10/06/2020	2	0.31
F2	10/12/2020	2	0.61
F2	10/18/2020	2	0.17
F2	10/24/2020	2, D-F	2.38
F2	10/30/2020		AA
F2	11/05/2020		BJ
F2 QA	10/24/2020	D-F	1.7
F3	09/30/2020	LK	0.45
F3	10/06/2020		1.07

F3		10/12/2020		2		5.74
F3		10/18/2020				1.03
F3		10/24/2020		2		4.78
F3		10/30/2020				AP

If you have any questions, please let me know.

DGO/d



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

December 17, 2020

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

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 10/02/20 14:40 through 11/12/20 11:45.

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: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

### ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
F1	0100212-01	Air	09/24/20 23:59	10/02/20 14:40
F2	0100212-02	Air	09/24/20 23:59	10/02/20 14:40
F3	0100212-03	Air	09/24/20 23:59	10/02/20 14:40
F1	0100834-01	Air	09/30/20 23:59	10/08/20 13:28
F2	0100834-02	Air	09/30/20 23:59	10/08/20 13:28
F3	0100834-03	Air	09/30/20 23:59	10/08/20 13:28
F1	0101530-01	Air	10/06/20 23:59	10/15/20 11:19
F2	0101530-02	Air	10/06/20 23:59	10/15/20 11:19
F3	0101530-03	Air	10/06/20 23:59	10/15/20 11:19
F1	0102301-01	Air	10/12/20 23:59	10/23/20 11:37
F2	0102301-02	Air	10/12/20 23:59	10/23/20 11:37
F3	0102301-03	Air	10/12/20 23:59	10/23/20 11:37
F1	0102915-01	Air	10/18/20 23:59	10/29/20 11:50
F2	0102915-02	Air	10/18/20 23:59	10/29/20 11:50
F3	0102915-03	Air	10/18/20 23:59	10/29/20 11:50
F1	0110528-01	Air	10/24/20 23:59	11/05/20 15:09
F2	0110528-02	Air	10/24/20 23:59	11/05/20 15:09
F3	0110528-03	Air	10/24/20 23:59	11/05/20 15:09
F2 QA	0110528-04	Air	10/24/20 23:59	11/05/20 15:09
F1	0110924-01	Air	10/30/20 23:59	11/09/20 12:02
F1	0111208-01	Air	11/05/20 23:59	11/12/20 11:45



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 0100212-01

Sampled: 09/24/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 2240

Received: 10/02/20 14:40

Comments: Received at ambient pressure

Analyzed: 10/14/20 17:41

### 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	0.221	0.40		0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F2

Lab ID: 0100212-02

Sampled: 09/24/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 19283

Received: 10/02/20 14:40

Comments: Received at ambient pressure

Analyzed: 10/14/20 18:36

### 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	0.127	0.23		0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F3

Lab ID: 0100212-03

Sampled: 09/24/20 23:59

Pressure @ Receipt: 7.50" Hg

Canister #: SAT101

Received: 10/02/20 14:40

Comments:

Analyzed: 10/14/20 19:31

### 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	0.904	1.63		0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 0100834-01

Sampled: 09/30/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: SAT039

Received: 10/08/20 13:28

Comments: Received at ambient pressure

Analyzed: 10/15/20 03:44

### 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	0.287	0.52		0.0285





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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F2

Lab ID: 0100834-02

Sampled: 09/30/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 5086

Received: 10/08/20 13:28

Comments: Received at ambient pressure

Analyzed: 10/15/20 04:39

### 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	0.400	0.72	LK	0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F3

Lab ID: 0100834-03

Sampled: 09/30/20 23:59

Pressure @ Receipt: 4.00" Hg

Canister #: 5077

Received: 10/08/20 13:28

Comments:

Analyzed: 10/16/20 19:30

### 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/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.250	0.45	LK	0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 0101530-01

Sampled: 10/06/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 35136

Received: 10/15/20 11:19

Comments: Received at ambient pressure

Analyzed: 10/17/20 01:53

### 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	0.139	0.25		0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F2

Lab ID: 0101530-02

Sampled: 10/06/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 19667

Received: 10/15/20 11:19

Comments: Received at ambient pressure

Analyzed: 10/17/20 02:48

### 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/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.170	0.31		0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F3

Lab ID: 0101530-03

Sampled: 10/06/20 23:59

Pressure @ Receipt: 4.00" Hg

Canister #: 19282

Received: 10/15/20 11:19

Comments:

Analyzed: 11/02/20 15:26

### 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/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.595	1.07		0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 0102301-01

Sampled: 10/12/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 19647

Received: 10/23/20 11:37

Comments: Received at ambient pressure

Analyzed: 11/03/20 18:39

### 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	0.125	0.23		0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F2

Lab ID: 0102301-02

Sampled: 10/12/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 33533

Received: 10/23/20 11:37

Comments: Received at ambient pressure

Analyzed: 11/03/20 20:29

### 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	0.337	0.61		0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F3

Lab ID: 0102301-03

Sampled: 10/12/20 23:59

Pressure @ Receipt: 2.00" Hg

Canister #: 35138

Received: 10/23/20 11:37

Comments:

Analyzed: 11/03/20 21:24

### 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	3.18	5.74		0.0285





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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 0102915-01

Sampled: 10/18/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 110305

Received: 10/29/20 11:50

Comments: Received at ambient pressure

Analyzed: 11/04/20 06:33

### 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	0.0871	0.16		0.0285



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**FILE #:** 4222.00  
**REPORTED:** 12/17/20 10:57  
**SUBMITTED:** 10/02/20 to 11/12/20  
**AQS SITE CODE:**  
**SITE CODE:** Fulton

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<b>Description:</b> F2	<b>Lab ID:</b> 0102915-02	<b>Sampled:</b> 10/18/20 23:59
<b>Pressure @ Receipt:</b> 0.00" Hg	<b>Canister #:</b> 110342	<b>Received:</b> 10/29/20 11:50
<b>Comments:</b> Received at ambient pressure		<b>Analyzed:</b> 11/04/20 07:28

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### 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	0.0944	0.17		0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F3

Lab ID: 0102915-03

Sampled: 10/18/20 23:59

Pressure @ Receipt: 2.50" Hg

Canister #: 111211

Received: 10/29/20 11:50

Comments:

Analyzed: 11/09/20 15:16

### 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	0.570	1.03		0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 0110528-01

Sampled: 10/24/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 110314

Received: 11/05/20 15:09

Comments: Received at ambient pressure

Analyzed: 11/13/20 02:52

### 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/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.277	0.50		0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F2

Lab ID: 0110528-02

Sampled: 10/24/20 23:59

Pressure @ Receipt: 7.00" Hg

Canister #: 110257

Received: 11/05/20 15:09

Comments:

Analyzed: 11/13/20 03:46

### 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	1.32	2.38	D-F	0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F3

Lab ID: 0110528-03

Sampled: 10/24/20 23:59

Pressure @ Receipt: 13.00" Hg

Canister #: 111217

Received: 11/05/20 15:09

Comments:

Analyzed: 11/13/20 05:37

### 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	2.65	4.78		0.0285



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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F2 QA

Lab ID: 0110528-04

Sampled: 10/24/20 23:59

Pressure @ Receipt: 5.50" Hg

Canister #: 110322

Received: 11/05/20 15:09

Comments:

Analyzed: 11/13/20 06:32

### 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	0.941	1.70	D-F	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: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 0110924-01

Sampled: 10/30/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: SAT026

Received: 11/09/20 12:02

Comments: Received at ambient pressure

Analyzed: 11/24/20 03:03

### 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	0.142	0.26	LK	0.0285





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FILE #: 4222.00

REPORTED: 12/17/20 10:57

SUBMITTED: 10/02/20 to 11/12/20

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 0111208-01

Sampled: 11/05/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: SAT022

Received: 11/12/20 11:45

Comments: Received at ambient pressure

Analyzed: 11/24/20 18:14

### 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	0.0809	0.15		0.0285



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**FILE #:** 4222.00  
**REPORTED:** 12/17/20 10:57  
**SUBMITTED:** 10/02/20 to 11/12/20  
**AQS SITE CODE:**  
**SITE CODE:** Fulton

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
<b>Air Toxics by EPA Compendium Method TO-15 - Quality Control</b>						
<i>Batch B0J1405 - Summa Canister Prep</i>						
<b>Blank (B0J1405-BLK1)</b>			Prepared & Analyzed: 10/14/20			
Ethylene oxide	ND	ppbv				U
<i>Batch B0J1604 - Summa Canister Prep</i>						
<b>Blank (B0J1604-BLK1)</b>			Prepared & Analyzed: 10/16/20			
Ethylene oxide	ND	ppbv				U
<i>Batch B0K0204 - Summa Canister Prep</i>						
<b>Blank (B0K0204-BLK1)</b>			Prepared & Analyzed: 11/02/20			
Ethylene oxide	ND	ppbv				U
<i>Batch B0K0309 - Summa Canister Prep</i>						
<b>Blank (B0K0309-BLK1)</b>			Prepared & Analyzed: 11/03/20			
Ethylene oxide	ND	ppbv				U
<b>Duplicate (B0K0309-DUP1)</b>	<b>Source: 0102301-01</b>		Prepared: 10/12/20 Analyzed: 11/03/20			
Ethylene oxide	0.110	ppbv	0.13	12.9	25	
<i>Batch B0K0906 - Summa Canister Prep</i>						
<b>Blank (B0K0906-BLK1)</b>			Prepared & Analyzed: 11/09/20			
Ethylene oxide	ND	ppbv				U
<i>Batch B0K1204 - Summa Canister Prep</i>						
<b>Blank (B0K1204-BLK1)</b>			Prepared & Analyzed: 11/12/20			
Ethylene oxide	ND	ppbv				U
<b>Duplicate (B0K1204-DUP3)</b>	<b>Source: 0110528-02</b>		Prepared: 10/24/20 Analyzed: 11/13/20			
Ethylene oxide	1.20	ppbv	1.32	9.82	25	
<b>Duplicate (B0K1204-DUP4)</b>	<b>Source: 0110528-04</b>		Prepared: 10/24/20 Analyzed: 11/13/20			
Ethylene oxide	0.991	ppbv	0.94	5.15	25	
<i>Batch B0K2310 - Summa Canister Prep</i>						
<b>Blank (B0K2310-BLK1)</b>			Prepared & Analyzed: 11/23/20			
Ethylene oxide	ND	ppbv				U
<i>Batch B0K2406 - Summa Canister Prep</i>						
<b>Blank (B0K2406-BLK1)</b>			Prepared & Analyzed: 11/24/20			
Ethylene oxide	ND	ppbv				U



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**FILE #:** 4222.00  
**REPORTED:** 12/17/20 10:57  
**SUBMITTED:** 10/02/20 to 11/12/20  
**AQS SITE CODE:**  
**SITE CODE:** Fulton

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

#### Sequence 2010029

##### Calibration Check (2010029-CCV1)

Prepared & Analyzed: 10/14/20

Ethylene oxide	2.90	ppbv	17.3	30.00
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#### Sequence 2010035

##### Calibration Check (2010035-CCV1)

Prepared & Analyzed: 10/16/20

Ethylene oxide	3.08	ppbv	24.6	30.00
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#### Sequence 2011002

##### Calibration Check (2011002-CCV1)

Prepared & Analyzed: 11/02/20

Ethylene oxide	2.73	ppbv	9.2	30.00
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#### Sequence 2011006

##### Calibration Check (2011006-CCV1)

Prepared & Analyzed: 11/03/20

Ethylene oxide	3.00	ppbv	20.2	30.00
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#### Sequence 2011016

##### Calibration Check (2011016-CCV1)

Prepared & Analyzed: 11/09/20

Ethylene oxide	2.94	ppbv	17.6	30.00
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#### Sequence 2011025

##### Calibration Check (2011025-CCV1)

Prepared & Analyzed: 11/12/20

Ethylene oxide	3.21	ppbv	28.5	30.00
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#### Sequence 2011048

##### Calibration Check (2011048-CCV1)

Prepared & Analyzed: 11/23/20

Ethylene oxide	2.79	ppbv	13.0	30.00
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#### Sequence 2011051

##### Calibration Check (2011051-CCV1)

Prepared & Analyzed: 11/24/20

Ethylene oxide	3.03	ppbv	22.6	30.00
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**FILE #:** 4222.00  
**REPORTED:** 12/17/20 10:57  
**SUBMITTED:** 10/02/20 to 11/12/20  
**AQS SITE CODE:**  
**SITE CODE:** Fulton

### Notes and Definitions

U	Under Detection Limit
LK	Analyte identified; Reported value may be biased high.
D-F	Duplicate exceeds DQO criteria.
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

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.



0 0.08 0.17  
 Miles



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

Ethylene Oxide Sampling  
 Fulton County, GA

09/30/2020

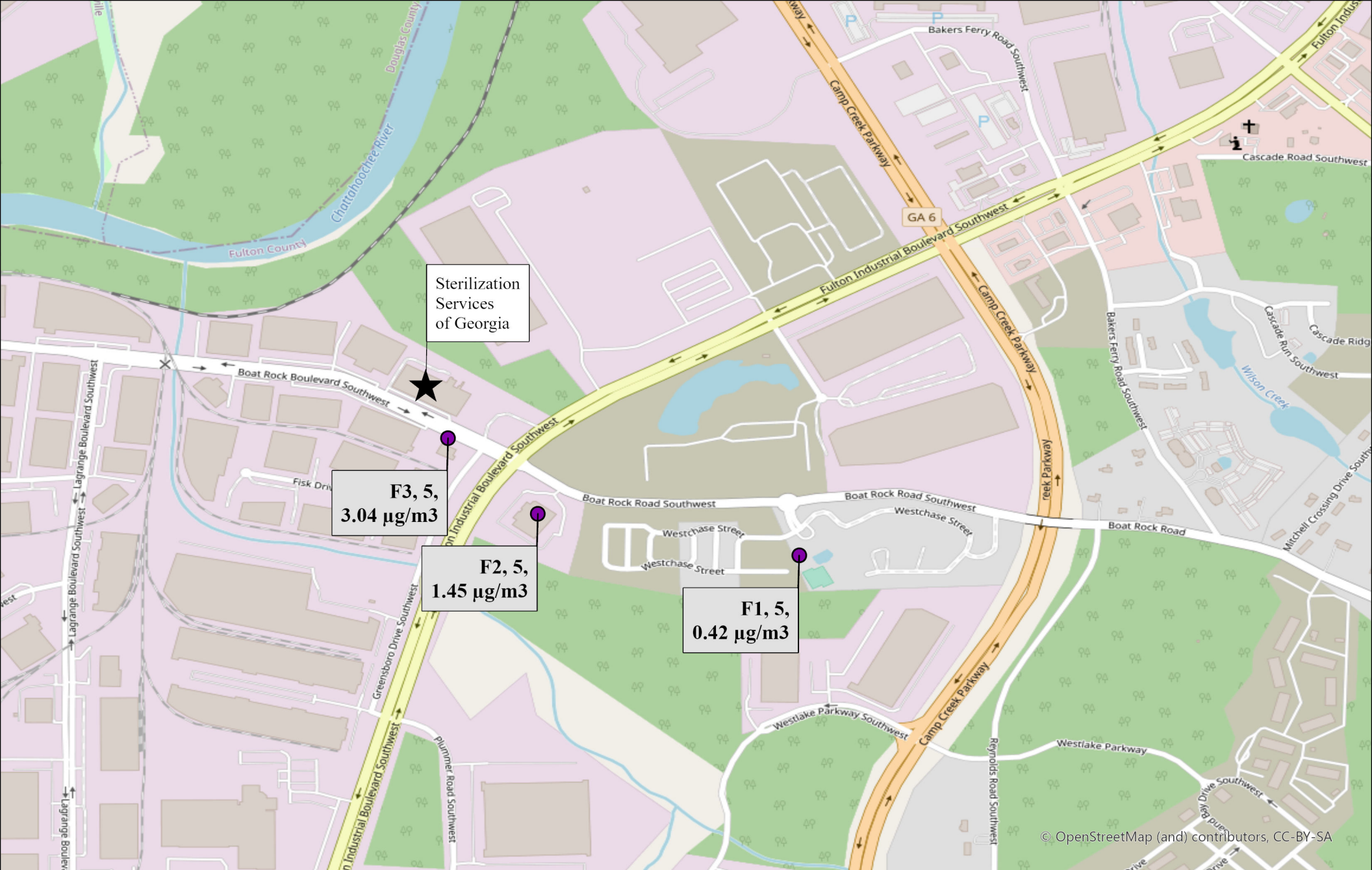
Sampled By: Georgia Environmental Protection Division  
 Analyzed By: Eastern Research Group



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 DEPARTMENT OF NATURAL RESOURCES

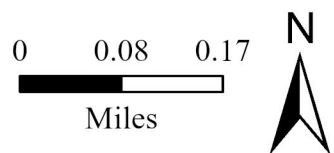
ENVIRONMENTAL PROTECTION DIVISION



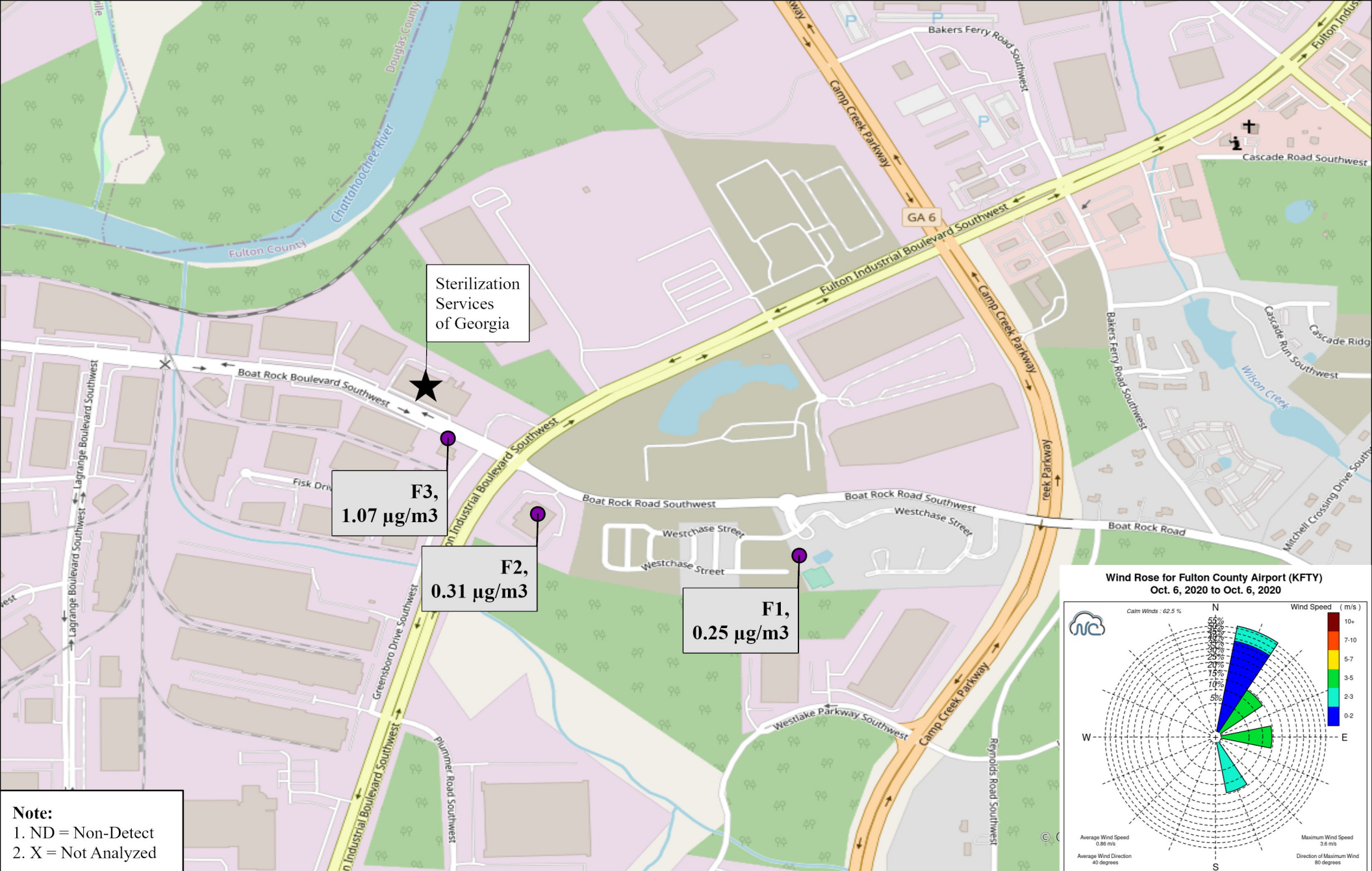


# Ethylene Oxide Sampling Fulton County, GA

September 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



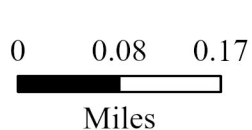
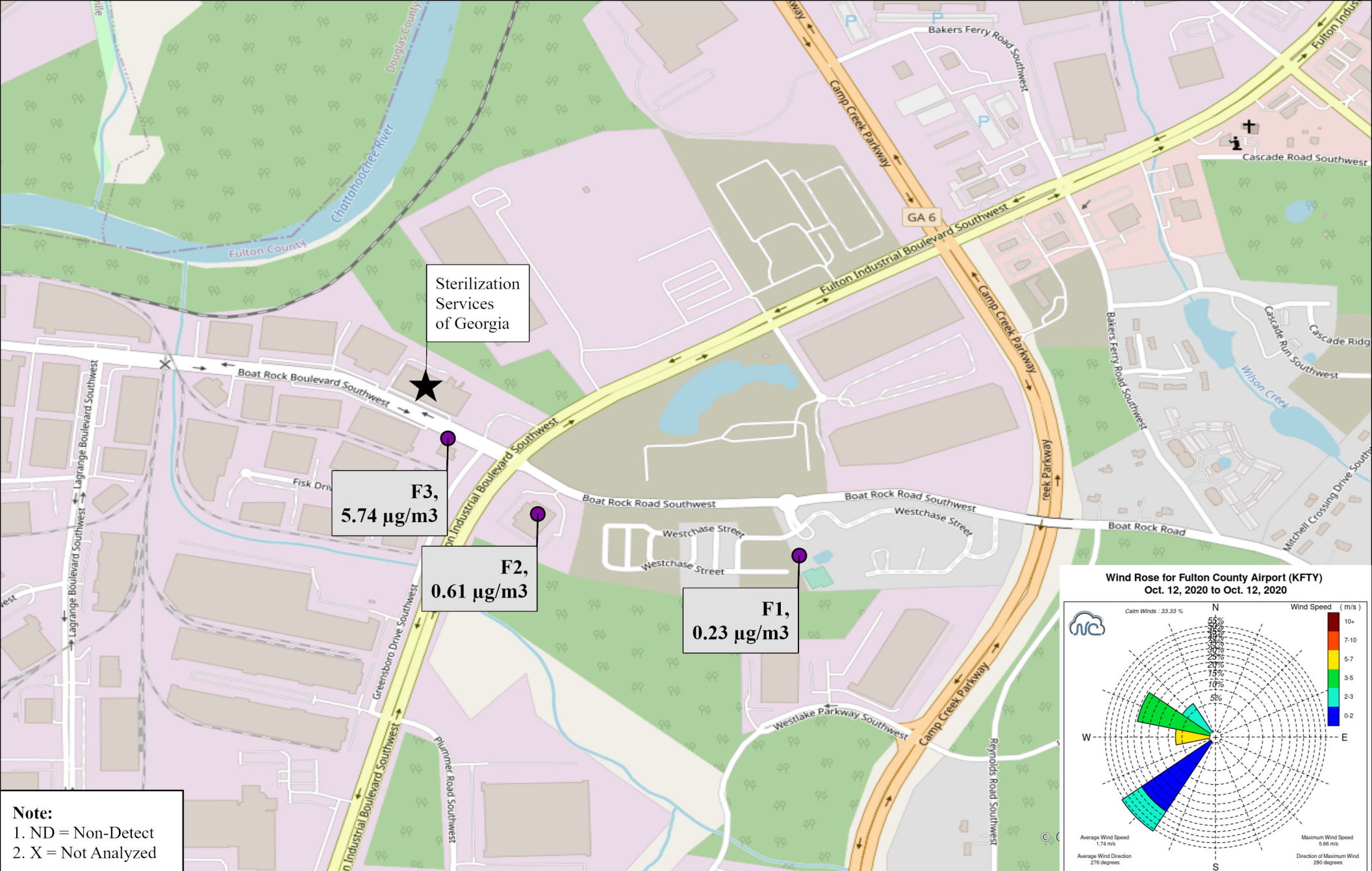
**Site ID, Number of Samples,  
Concentration (µg/m³)**



Ethylene Oxide Sampling  
 Fulton County, GA

10/06/2020  
 Sampled By: Georgia Environmental Protection Division  
 Analyzed By: Eastern Research Group





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

Ethylene Oxide Sampling  
 Fulton County, GA

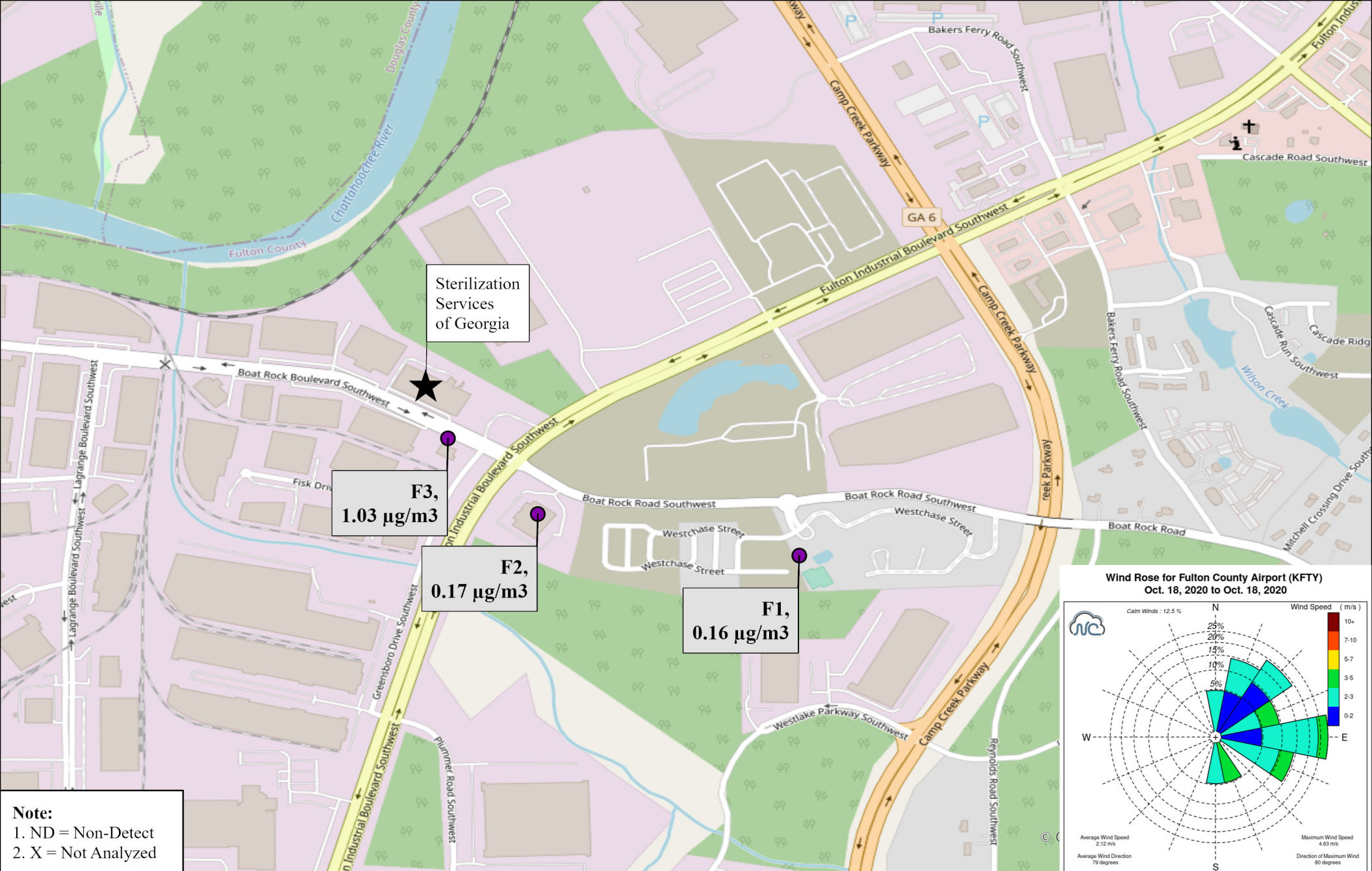
10/12/2020  
 Sampled By: Georgia Environmental Protection Division  
 Analyzed By: Eastern Research Group



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0 0.08 0.17  
 Miles



Site ID, Concentration (µg/m3)

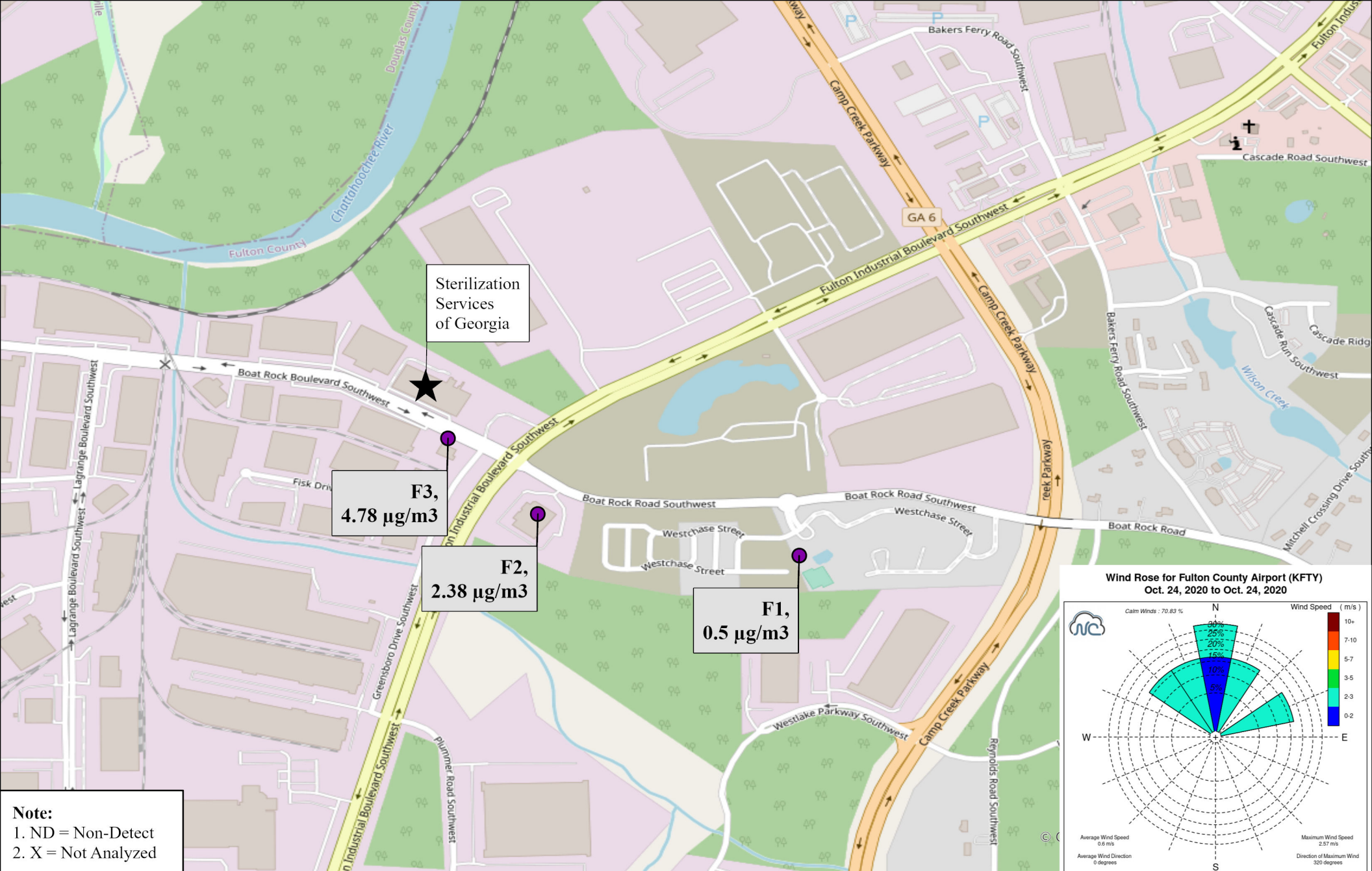
Ethylene Oxide Sampling  
 Fulton County, GA

10/18/2020  
 Sampled By: Georgia Environmental Protection Division  
 Analyzed By: Eastern Research Group



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0 0.08 0.17  
Miles



Ethylene Oxide Sampling  
Fulton County, GA

10/24/2020  
Sampled By: Georgia Environmental Protection Division  
Analyzed By: Eastern Research Group



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0 0.08 0.17  
Miles



Site ID, Concentration (µg/m3)

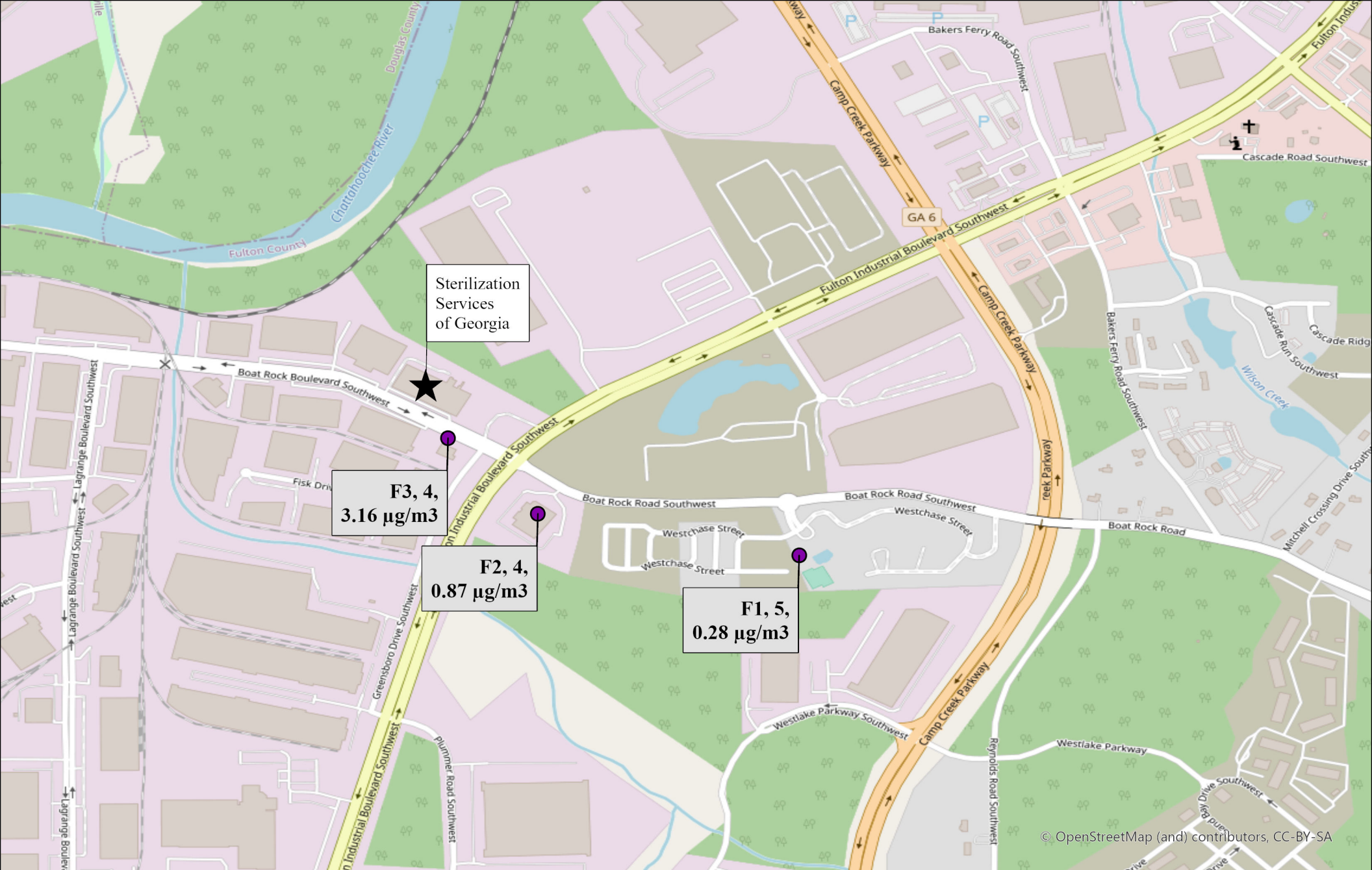
Ethylene Oxide Sampling  
Fulton County, GA

10/30/2020  
Sampled By: Georgia Environmental Protection Division  
Analyzed By: Eastern Research Group



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DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

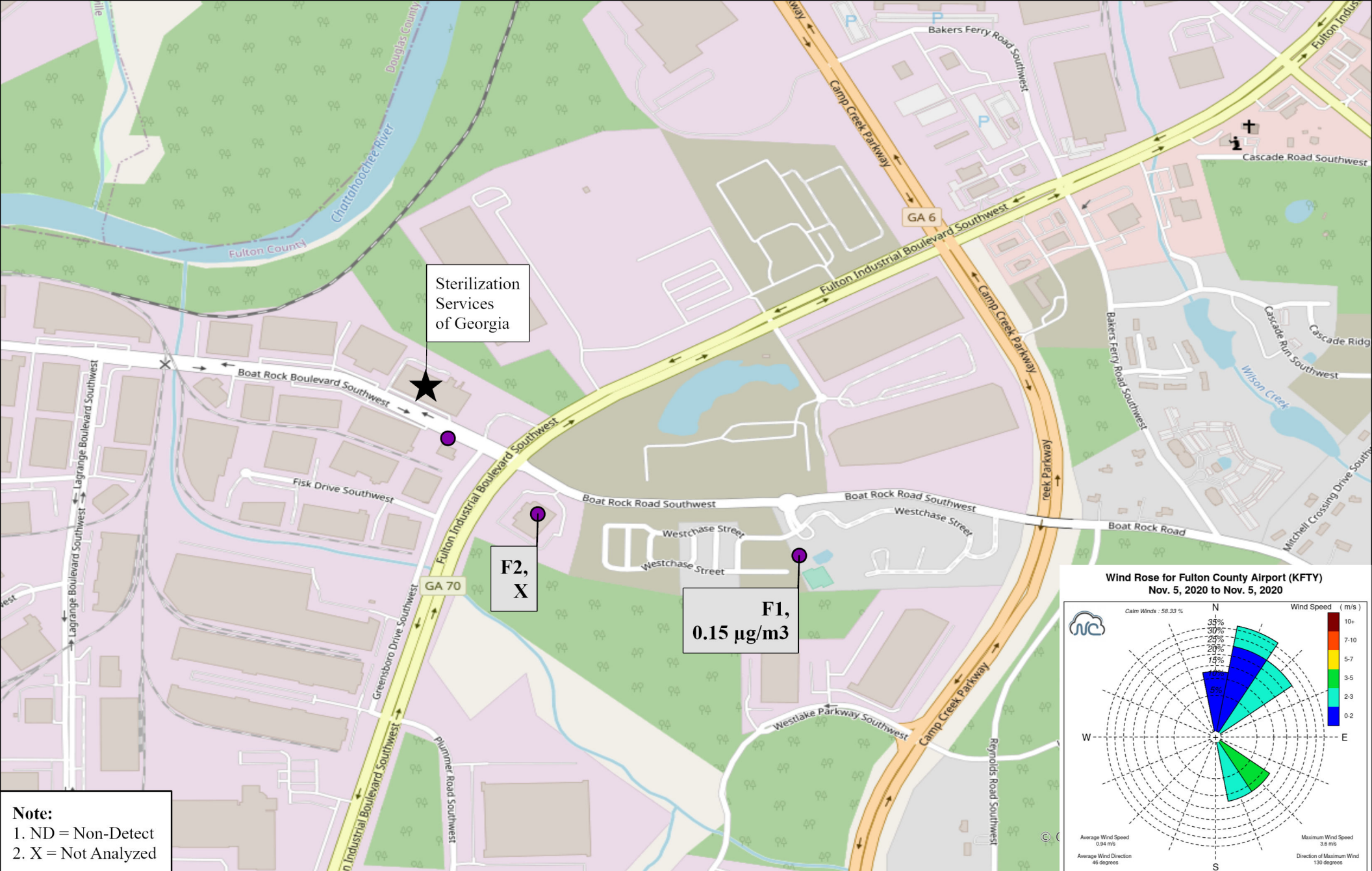


Ethylene Oxide Sampling  
Fulton County, GA

October 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

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





0 0.08 0.17  
 Miles



Site ID, Concentration (µg/m3)

Ethylene Oxide Sampling  
 Fulton County, GA

11/05/2020  
 Sampled By: Georgia Environmental Protection Division  
 Analyzed By: Eastern Research Group



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