

EPD Director's Office

2 Martin Luther King, Jr. Drive
Suite 1456, East Tower
Atlanta, Georgia 30334
404-656-4713

July 21, 2021

MEMORANDUM

To: Karen Hays, Air Branch Chief *KH*

Through: James Boylan, Assistant Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: Fulton January 22 – February 27, 2021 Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of January 22 – February 27, 2021 in the south Fulton area to characterize the EtO concentrations. The samples were sent to Eastern Research Group (ERG) for analysis. Qualifier code "LK" was given by ERG to indicate that the reported value for identified analyte may be biased high. Qualifier code "ND" is given to indicate no value detected, zero reported. 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. Please note that ERG is now providing values for levels below the detection limit.

Location	Date	Qualifier	EtO Concentration (ug/m ³)
F1	01/22/2021	2, LK	0.57
F1	01/28/2021	2, ND, U	0.00
F1	02/03/2021	2, LK	0.40
F1	02/09/2021		0.15
F1	02/15/2021	ND, U	0.00
F1	02/21/2021	2	0.22
F1	02/27/2021	2, ND, U	0.00
F1 QA	02/03/2021	2	0.22
F2	01/22/2021		0.25
F2	01/28/2021		0.81
F2	02/03/2021		0.27
F2	02/09/2021		0.18
F2	02/15/2021	LK	0.26
F2	02/21/2021		0.13
F2	02/27/2021	LK	0.54
F2 QA	02/09/2021		0.31
F4	01/22/2021	ND, U	0.00
F4	01/28/2021	ND, U	0.00
F4	02/03/2021	ND, U	0.00
F4	02/09/2021		0.11

F4		02/15/2021			0.24
F4		02/21/2021		LK	0.43
F4		02/27/2021			0.11
F4 QA		02/15/2021			0.28

If you have any questions, please let me know.

DGO/do



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

April 16, 2021

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 02/03/21 11:12 through 03/11/21 13:36.

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: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

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	1020317-01	Air	01/22/21 23:59	02/03/21 11:12
F2	1020317-02	Air	01/22/21 23:59	02/03/21 11:12
F4	1020317-03	Air	01/22/21 23:59	02/03/21 11:12
Fulton FB	1020317-04	Air	01/27/21 00:00	02/03/21 11:12
F1	1020425-01	Air	01/28/21 23:59	02/04/21 11:29
F2	1020425-02	Air	01/28/21 23:59	02/04/21 11:29
F4	1020425-03	Air	01/28/21 23:59	02/04/21 11:29
F1	1021020-01	Air	02/03/21 23:59	02/10/21 11:58
F1 QA	1021020-02	Air	02/03/21 23:59	02/10/21 11:58
F2	1021020-03	Air	02/03/21 23:59	02/10/21 11:58
F4	1021020-04	Air	02/03/21 23:59	02/10/21 11:58
F1	1021837-01	Air	02/09/21 23:59	02/18/21 11:42
F2	1021837-02	Air	02/09/21 23:59	02/18/21 11:42
F2-QA	1021837-03	Air	02/09/21 23:59	02/18/21 11:42
F4	1021837-04	Air	02/09/21 23:59	02/18/21 11:42
F1	1030327-01	Air	02/15/21 23:59	03/03/21 13:20
F2	1030327-02	Air	02/15/21 23:59	03/03/21 13:20
F2	1030327-03	Air	02/21/21 23:59	03/03/21 13:20
F4	1030327-04	Air	02/15/21 23:59	03/03/21 13:20
F4-QA	1030327-05	Air	02/15/21 23:59	03/03/21 13:20
F4	1030327-06	Air	02/21/21 23:59	03/03/21 13:20
F1	1031030-01	Air	02/27/21 23:59	03/10/21 14:16

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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SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

F1	1031122-01	Air	02/21/21 23:59	03/11/21 13:36
F2	1031122-02	Air	02/27/21 23:59	03/11/21 13:36
F4	1031122-03	Air	02/27/21 23:59	03/11/21 13:36



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 1020317-01

Sampled: 01/22/21 23:59

Pressure @ Receipt: 0.00 "Hg

Canister #: 5004

Received: 02/03/21 11:12

Comments: Received at ambient.

Analyzed: 02/18/21 20:35

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.317	0.57	LK	0.0285



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FILE #: 4222.00
REPORTED: 04/16/21 14:38
SUBMITTED: 02/03/21 to 03/11/21
AQS SITE CODE:
SITE CODE: Fulton

Description: F2	Lab ID: 1020317-02	Sampled: 01/22/21 23:59
Pressure @ Receipt: 3.50 "Hg	Canister #: 33544	Received: 02/03/21 11:12
Comments:		Analyzed: 02/18/21 21:35

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.138	0.25		0.0285



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F4

Lab ID: 1020317-03

Sampled: 01/22/21 23:59

Pressure @ Receipt: 3.50 "Hg

Canister #: 19663

Received: 02/03/21 11:12

Comments:

Analyzed: 02/18/21 15:37

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/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0285



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: Fulton FB

Lab ID: 1020317-04

Sampled: 01/27/21 00:00

Pressure @ Receipt: 29.50" Hg

Canister #: 5101

Received: 02/03/21 11:12

Comments: Field Blank

Analyzed: 02/23/21 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/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0285



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 1020425-01

Sampled: 01/28/21 23:59

Pressure @ Receipt: 0.00 "Hg

Canister #: 110308

Received: 02/04/21 11:29

Comments: Received at ambient.

Analyzed: 02/23/21 20:14

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/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0285



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F2

Lab ID: 1020425-02

Sampled: 01/28/21 23:59

Pressure @ Receipt: 3.00 "Hg

Canister #: SAT014

Received: 02/04/21 11:29

Comments:

Analyzed: 02/24/21 01:12

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	0.451	0.81		0.0285



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F4

Lab ID: 1020425-03

Sampled: 01/28/21 23:59

Pressure @ Receipt: 3.00 "Hg

Canister #: SAT085

Received: 02/04/21 11:29

Comments:

Analyzed: 02/24/21 02:11

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/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0285



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 1021020-01

Sampled: 02/03/21 23:59

Pressure @ Receipt: 0.00 "Hg

Canister #: 5018

Received: 02/10/21 11:58

Comments: Received at ambient pressure.

Analyzed: 02/24/21 05:41

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.222	0.40	LK	0.0261



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F1 QA

Lab ID: 1021020-02

Sampled: 02/03/21 23:59

Pressure @ Receipt: 0.75" Hg

Canister #: A21103

Received: 02/10/21 11:58

Comments:

Analyzed: 02/24/21 09:20

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	0.124	0.22		0.0261



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F2

Lab ID: 1021020-03

Sampled: 02/03/21 23:59

Pressure @ Receipt: 2.50 "Hg

Canister #: 35143

Received: 02/10/21 11:58

Comments:

Analyzed: 02/24/21 11:21

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	0.151	0.27		0.0261



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

FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F4

Lab ID: 1021020-04

Sampled: 02/03/21 23:59

Pressure @ Receipt: 2.50 "Hg

Canister #: 111217

Received: 02/10/21 11:58

Comments:

Analyzed: 02/24/21 12:22

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	ND	ND	U	0.0261



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 1021837-01

Sampled: 02/09/21 23:59

Pressure @ Receipt: 0.00 psig

Canister #: SAT179

Received: 02/18/21 11:42

Comments: Received at ambient pressure.

Analyzed: 02/27/21 07:08

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0812	0.15		0.0261



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F2

Lab ID: 1021837-02

Sampled: 02/09/21 23:59

Pressure @ Receipt: 4.00 "Hg

Canister #: 18874

Received: 02/18/21 11:42

Comments:

Analyzed: 02/27/21 08:09

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	0.0992	0.18		0.0261



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F2-QA

Lab ID: 1021837-03

Sampled: 02/09/21 23:59

Pressure @ Receipt: 0.00 psig

Canister #: SAT009

Received: 02/18/21 11:42

Comments: Received at ambient pressure.

Analyzed: 02/27/21 10:10

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	0.173	0.31		0.0261



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F4

Lab ID: 1021837-04

Sampled: 02/09/21 23:59

Pressure @ Receipt: 4.50 "Hg

Canister #: 114348

Received: 02/18/21 11:42

Comments:

Analyzed: 02/27/21 12:12

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	0.0620	0.11		0.0261



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 1030327-01

Sampled: 02/15/21 23:59

Pressure @ Receipt: 4.50" Hg

Canister #: 114329

Received: 03/03/21 13:20

Comments:

Analyzed: 03/03/21 19:37

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/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0261



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F2

Lab ID: 1030327-02

Sampled: 02/15/21 23:59

Pressure @ Receipt: 3.00 "Hg

Canister #: SAT159

Received: 03/03/21 13:20

Comments:

Analyzed: 03/03/21 20:37

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.146	0.26	LK	0.0261



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F2

Lab ID: 1030327-03

Sampled: 02/21/21 23:59

Pressure @ Receipt: 3.00 "Hg

Canister #: SAT070

Received: 03/03/21 13:20

Comments:

Analyzed: 03/04/21 19:54

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	0.0697	0.13		0.0261



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F4

Lab ID: 1030327-04

Sampled: 02/15/21 23:59

Pressure @ Receipt: 3.00 "Hg

Canister #: SAT157

Received: 03/03/21 13:20

Comments:

Analyzed: 03/03/21 21:38

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	0.134	0.24		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: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F4-QA

Lab ID: 1030327-05

Sampled: 02/15/21 23:59

Pressure @ Receipt: 2.50 "Hg

Canister #: SAT033

Received: 03/03/21 13:20

Comments:

Analyzed: 03/03/21 23:39

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.157	0.28		0.0261



CERTIFICATE OF ANALYSIS

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Atlanta, GA 30354

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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F4

Lab ID: 1030327-06

Sampled: 02/21/21 23:59

Pressure @ Receipt: 3.00 "Hg

Canister #: SAT142

Received: 03/03/21 13:20

Comments:

Analyzed: 03/04/21 20:54

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	0.239	0.43	LK	0.0261



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 1031030-01

Sampled: 02/27/21 23:59

Pressure @ Receipt: 0.10" Hg

Canister #: 33490

Received: 03/10/21 14:16

Comments:

Analyzed: 03/19/21 20:23

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	ND	ND	U	0.0261



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F1

Lab ID: 1031122-01

Sampled: 02/21/21 23:59

Pressure @ Receipt: 0.10" Hg

Canister #: A21073

Received: 03/11/21 13:36

Comments:

Analyzed: 03/19/21 17:20

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	0.121	0.22		0.0261



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Atlanta, GA 30354

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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F2

Lab ID: 1031122-02

Sampled: 02/27/21 23:59

Pressure @ Receipt: 4.50 "Hg

Canister #: SAT110

Received: 03/11/21 13:36

Comments:

Analyzed: 03/22/21 16:10

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	0.300	0.54	LK	0.0261



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FILE #: 4222.00

REPORTED: 04/16/21 14:38

SUBMITTED: 02/03/21 to 03/11/21

AQS SITE CODE:

SITE CODE: Fulton

Description: F4

Lab ID: 1031122-03

Sampled: 02/27/21 23:59

Pressure @ Receipt: 4.00 "Hg

Canister #: 19660

Received: 03/11/21 13:36

Comments:

Analyzed: 03/22/21 17:11

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0591	0.11		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: 04/16/21 14:38
SUBMITTED: 02/03/21 to 03/11/21
AQS SITE CODE:
SITE CODE: Fulton

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

Batch B1B1802 - Summa Canister Prep

Blank (B1B1802-BLK1)

Prepared: 02/11/21 Analyzed: 02/18/21

Ethylene oxide	ND	ppbv				U
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Batch B1B2307 - Summa Canister Prep

Blank (B1B2307-BLK1)

Prepared: 02/18/21 Analyzed: 02/23/21

Ethylene oxide	ND	ppbv				U
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Batch B1B2308 - Summa Canister Prep

Blank (B1B2308-BLK1)

Prepared & Analyzed: 02/23/21

Ethylene oxide	ND	ppbv				U
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Duplicate (B1B2308-DUP2)

Source: 1021020-01

Prepared: 02/03/21 Analyzed: 02/24/21

Ethylene oxide	0.210	ppbv	0.22	5.27	25	LK
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Duplicate (B1B2308-DUP3)

Source: 1021020-02

Prepared: 02/03/21 Analyzed: 02/24/21

Ethylene oxide	0.130	ppbv	0.12	4.95	25	
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Batch B1B2603 - Summa Canister Prep

Blank (B1B2603-BLK1)

Prepared & Analyzed: 02/26/21

Ethylene oxide	ND	ppbv				U
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Duplicate (B1B2603-DUP5)

Source: 1021837-02

Prepared: 02/09/21 Analyzed: 02/27/21

Ethylene oxide	0.0890	ppbv	0.10	10.8	25	
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Duplicate (B1B2603-DUP6)

Source: 1021837-03

Prepared: 02/09/21 Analyzed: 02/27/21

Ethylene oxide	0.166	ppbv	0.17	4.31	25	
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Batch B1C0309 - Summa Canister Prep

Blank (B1C0309-BLK1)

Prepared & Analyzed: 03/03/21

Ethylene oxide	ND	ppbv				U
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Duplicate (B1C0309-DUP1)

Source: 1030327-04

Prepared: 02/15/21 Analyzed: 03/03/21

Ethylene oxide	0.141	ppbv	0.13	4.80	25	
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Duplicate (B1C0309-DUP2)

Source: 1030327-05

Prepared: 02/15/21 Analyzed: 03/04/21

Ethylene oxide	0.137	ppbv	0.16	13.4	25	
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Batch B1C0408 - Summa Canister Prep

Blank (B1C0408-BLK1)

Prepared & Analyzed: 03/04/21

Ethylene oxide	ND	ppbv				U
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Batch B1C1902 - Summa Canister Prep

Blank (B1C1902-BLK1)

Prepared & Analyzed: 03/19/21

Ethylene oxide	ND	ppbv				U
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Batch B1C2207 - Summa Canister Prep

Blank (B1C2207-BLK1)

Prepared & Analyzed: 03/22/21

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.



CERTIFICATE OF ANALYSIS

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

FILE #: 4222.00
REPORTED: 04/16/21 14:38
SUBMITTED: 02/03/21 to 03/11/21
AQS SITE CODE:
SITE CODE: Fulton

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
---------	--------	-------	------------------	-----	--------------	-------

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

Batch B1C2207 - Summa Canister Prep

Blank (B1C2207-BLK1) Continued

Prepared & Analyzed: 03/22/21

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



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FILE #: 4222.00
REPORTED: 04/16/21 14:38
SUBMITTED: 02/03/21 to 03/11/21
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 2102038

Calibration Check (2102038-CCV1)

Prepared & Analyzed: 02/18/21

Ethylene oxide	2.88	ppbv	18.9	30.00
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Sequence 2102046

Calibration Check (2102046-CCV1)

Prepared & Analyzed: 02/23/21

Ethylene oxide	3.06	ppbv	26.7	30.00
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Sequence 2102047

Calibration Check (2102047-CCV1)

Prepared & Analyzed: 02/23/21

Ethylene oxide	2.27	ppbv	-9.0	30.00
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Sequence 2102057

Calibration Check (2102057-CCV1)

Prepared & Analyzed: 02/26/21

Ethylene oxide	2.35	ppbv	-6.0	30.00
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Sequence 2103017

Calibration Check (2103017-CCV1)

Prepared & Analyzed: 03/03/21

Ethylene oxide	2.58	ppbv	3.1	30.00
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Sequence 2103021

Calibration Check (2103021-CCV1)

Prepared & Analyzed: 03/04/21

Ethylene oxide	2.48	ppbv	-0.9	30.00
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Sequence 2103056

Calibration Check (2103056-CCV1)

Prepared & Analyzed: 03/19/21

Ethylene oxide	2.06	ppbv	-17.7	30.00
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Sequence 2103062

Calibration Check (2103062-CCV1)

Prepared & Analyzed: 03/22/21

Ethylene oxide	2.22	ppbv	-11.4	30.00
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CERTIFICATE OF ANALYSIS

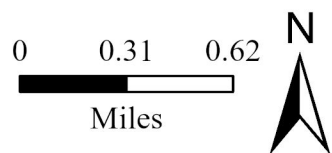
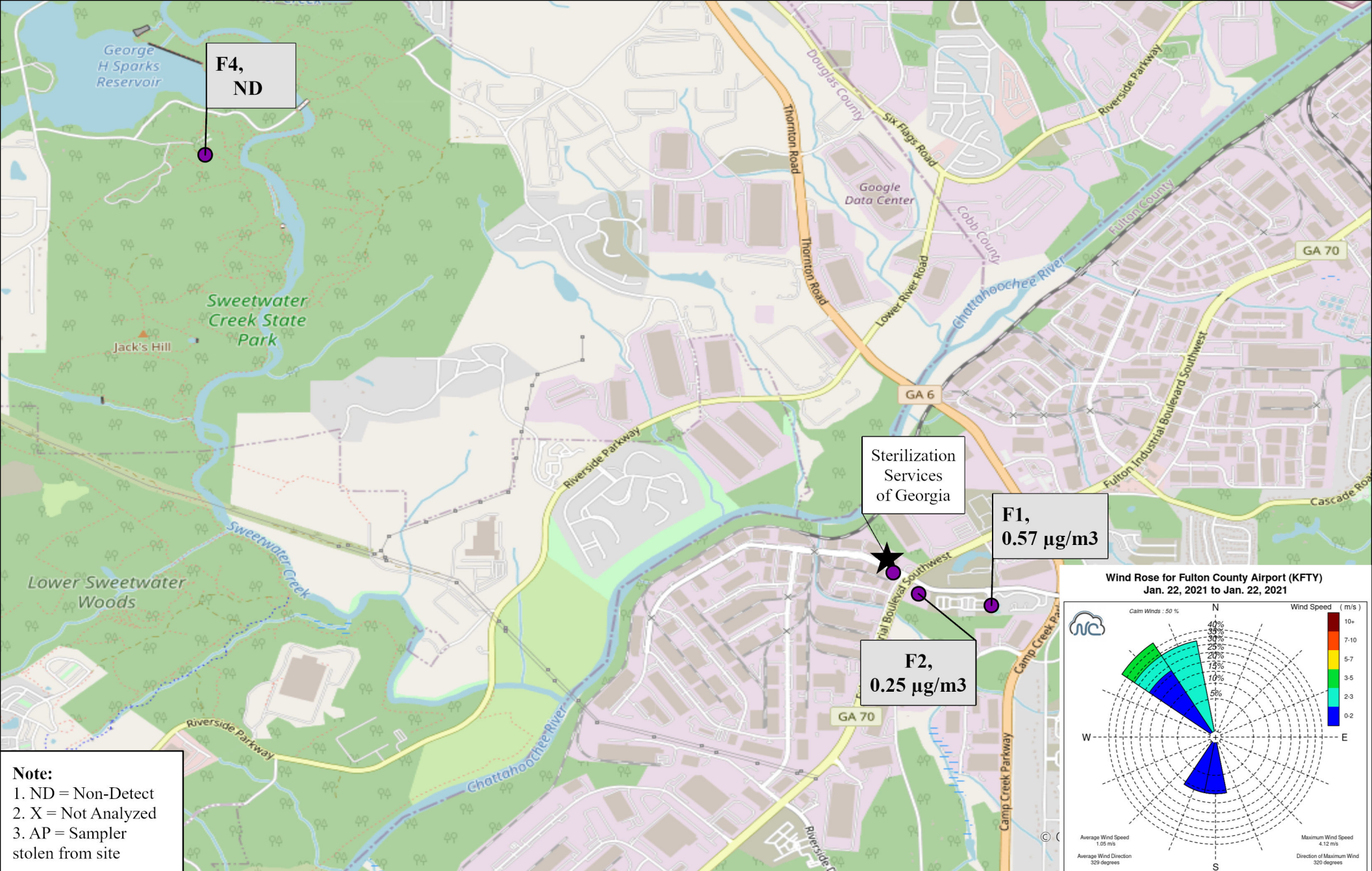
U.S. Environmental Protection Agency, Region 4
4244 International Pkwy, Suite 120
Atlanta, GA 30354
ATTN: Ms. Jaime Gore
PHONE: (404) 362-4912 **FAX:** (919) 541-0516

FILE #: 4022.00
REPORTED: 04/16/21 14:38
SUBMITTED: 02/03/21 to 03/11/21
AQS SITE CODE:
SITE CODE: Fulton

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

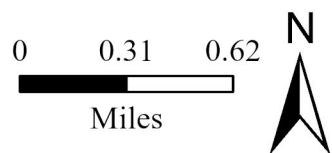
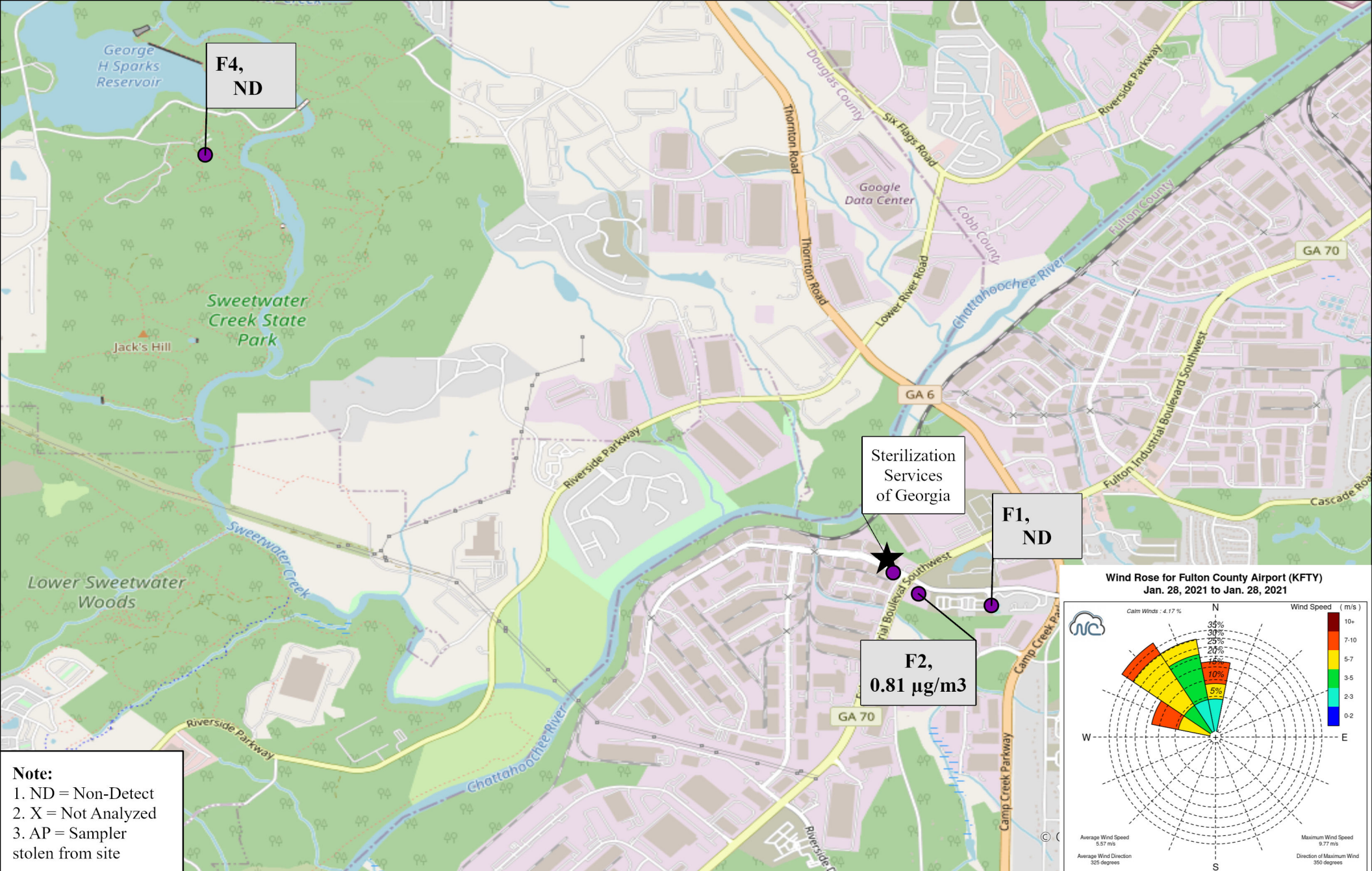
Note: This test is accredited under the 2016 TNI Standard; however the following analytes are not accredited: acetylene, bromodichloroethane, dichlorotetrafluoromethane, ethyl tert butyl ether, n-octane, tert amyl methyl ether, trichlorofluoroethane, and bromochloromethane.



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

Ethylene Oxide Sampling
 Fulton County, GA

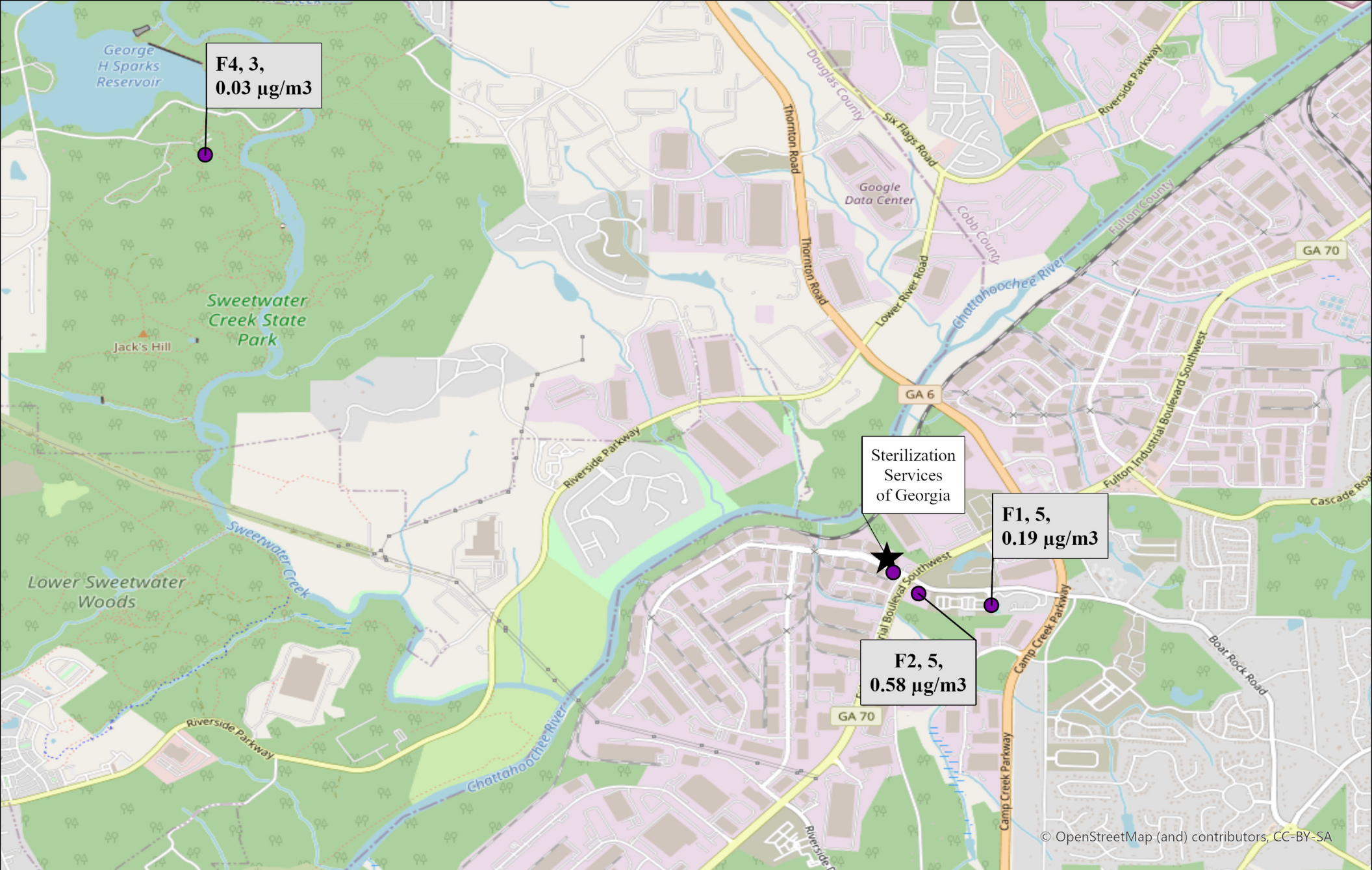
01/22/2021
 Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group



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

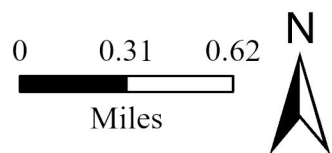
Ethylene Oxide Sampling
 Fulton County, GA

01/28/2021
 Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group

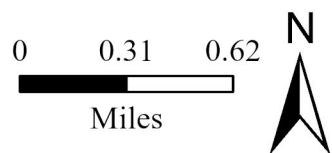
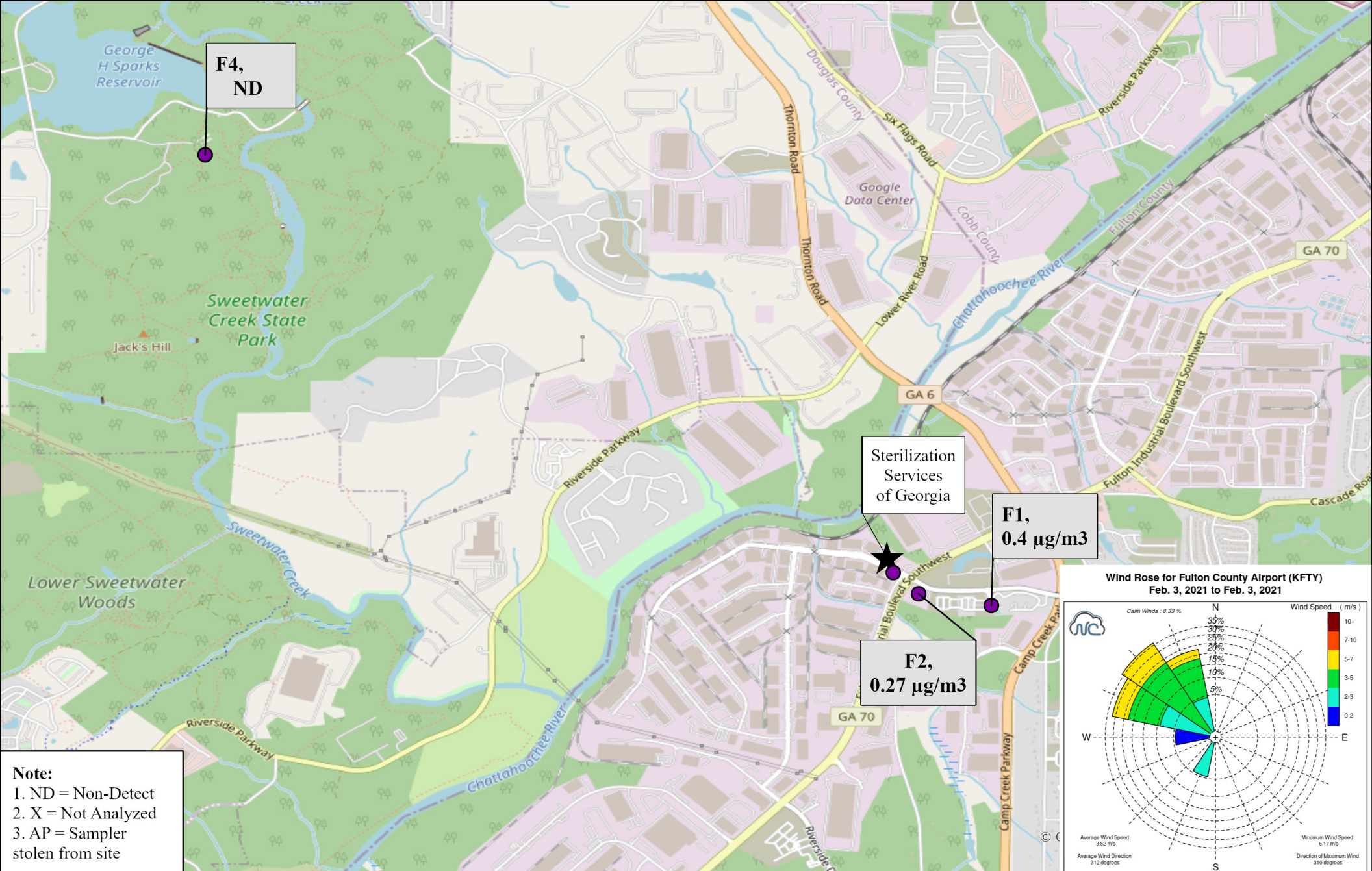


Ethylene Oxide Sampling
Fulton County, GA

January 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 ($\mu\text{g}/\text{m}^3$)**

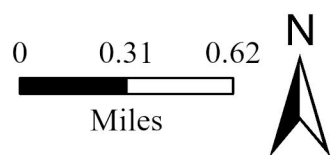
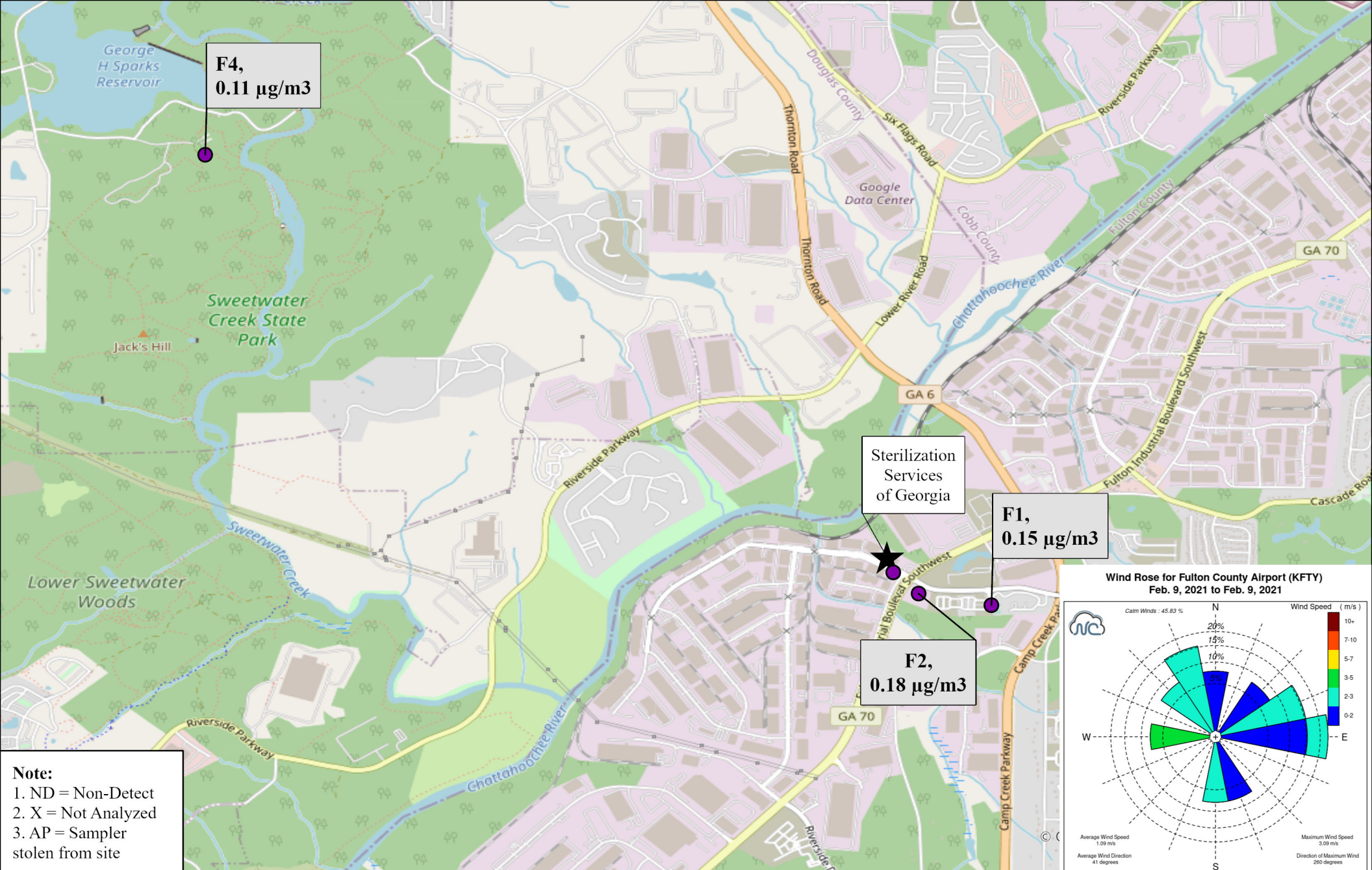


Site ID, Concentration ($\mu\text{g}/\text{m}^3$)

Ethylene Oxide Sampling
 Fulton County, GA

02/03/2021

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



Ethylene Oxide Sampling
Fulton County, GA

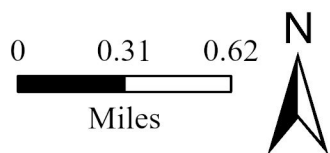
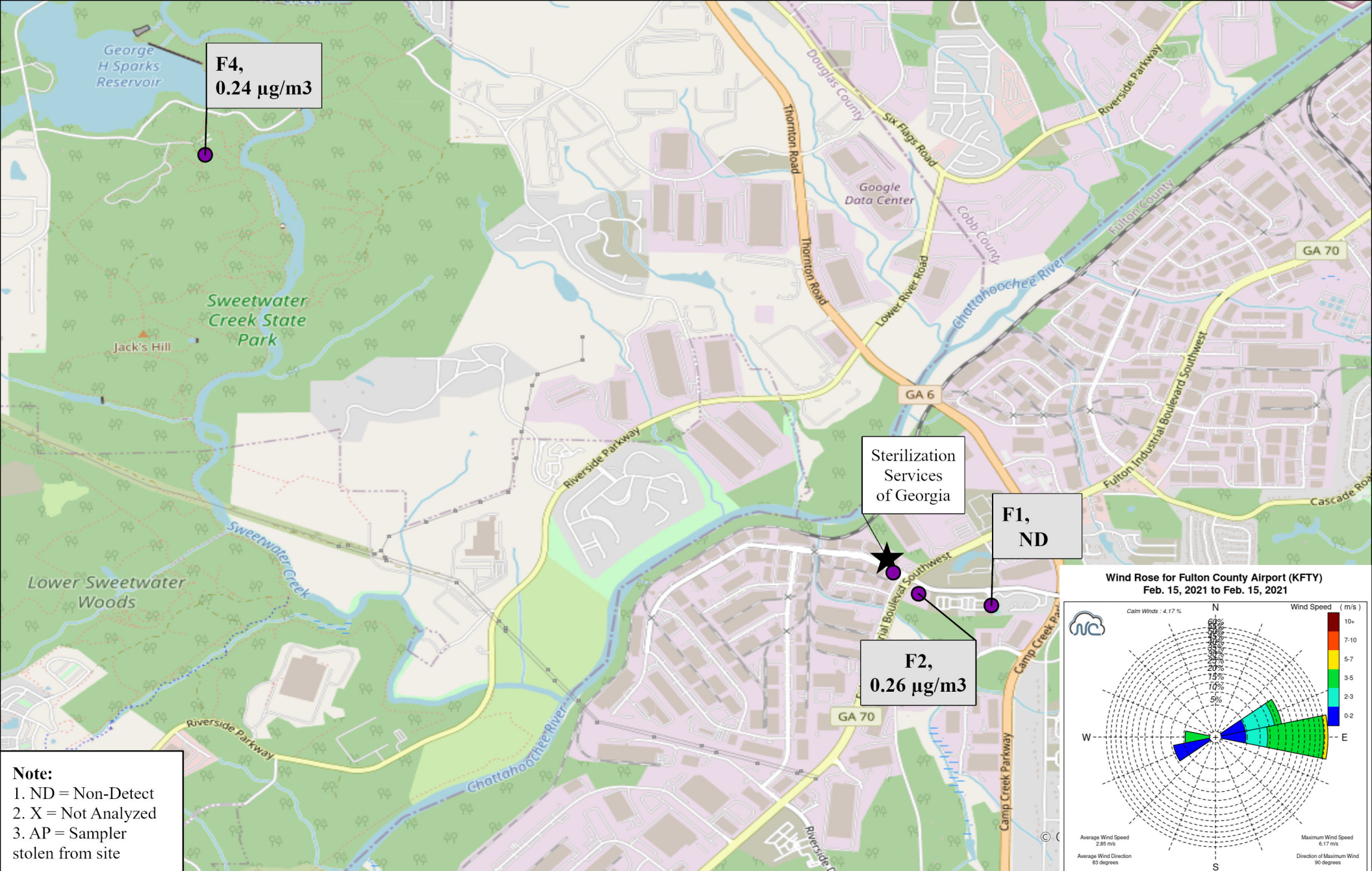
02/09/2021

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



GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

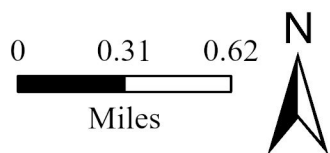
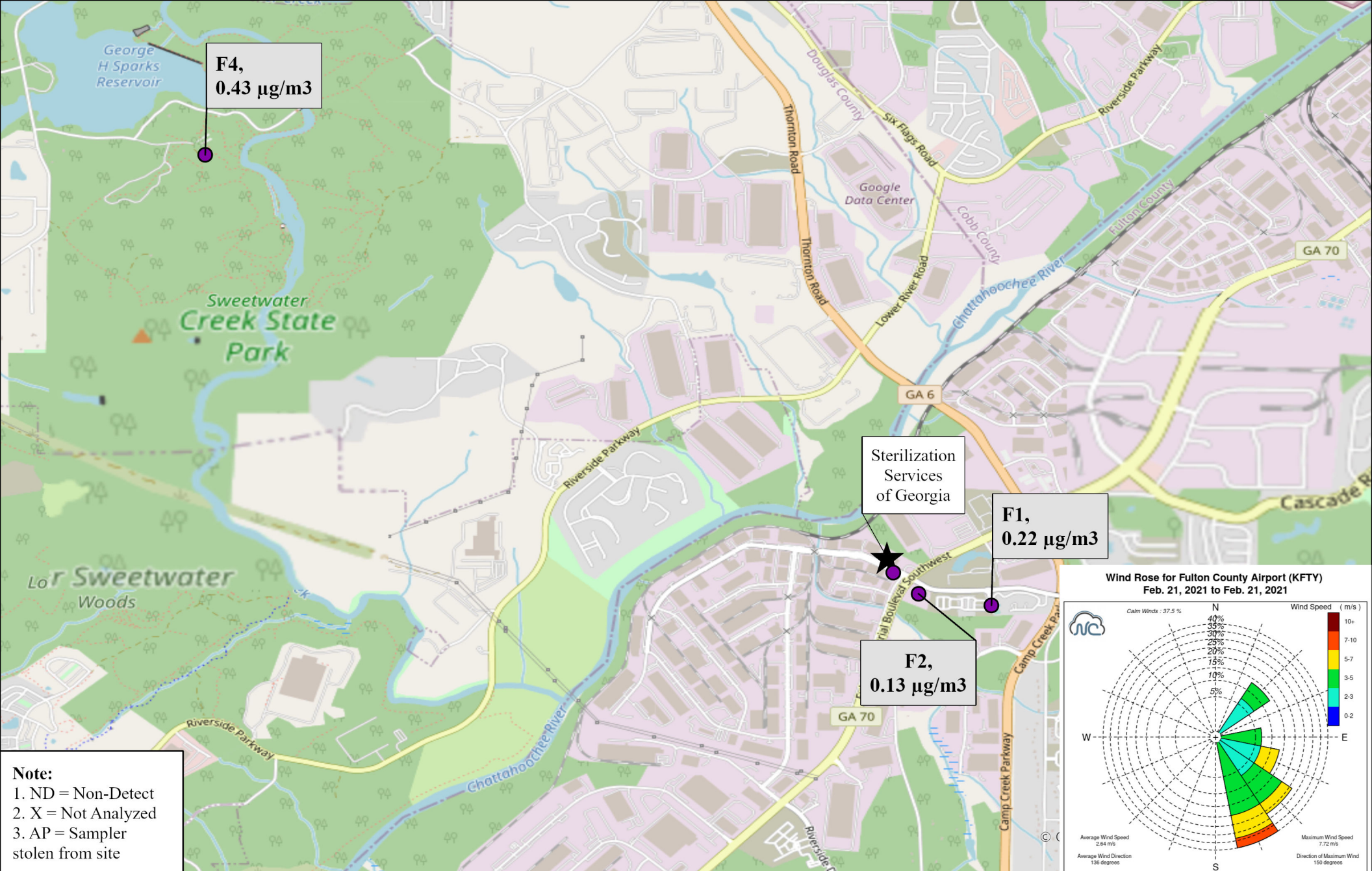


Site ID, Concentration ($\mu\text{g}/\text{m}^3$)

Ethylene Oxide Sampling
 Fulton County, GA

02/15/2021

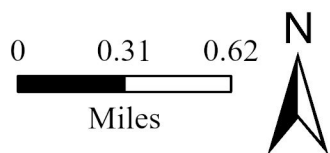
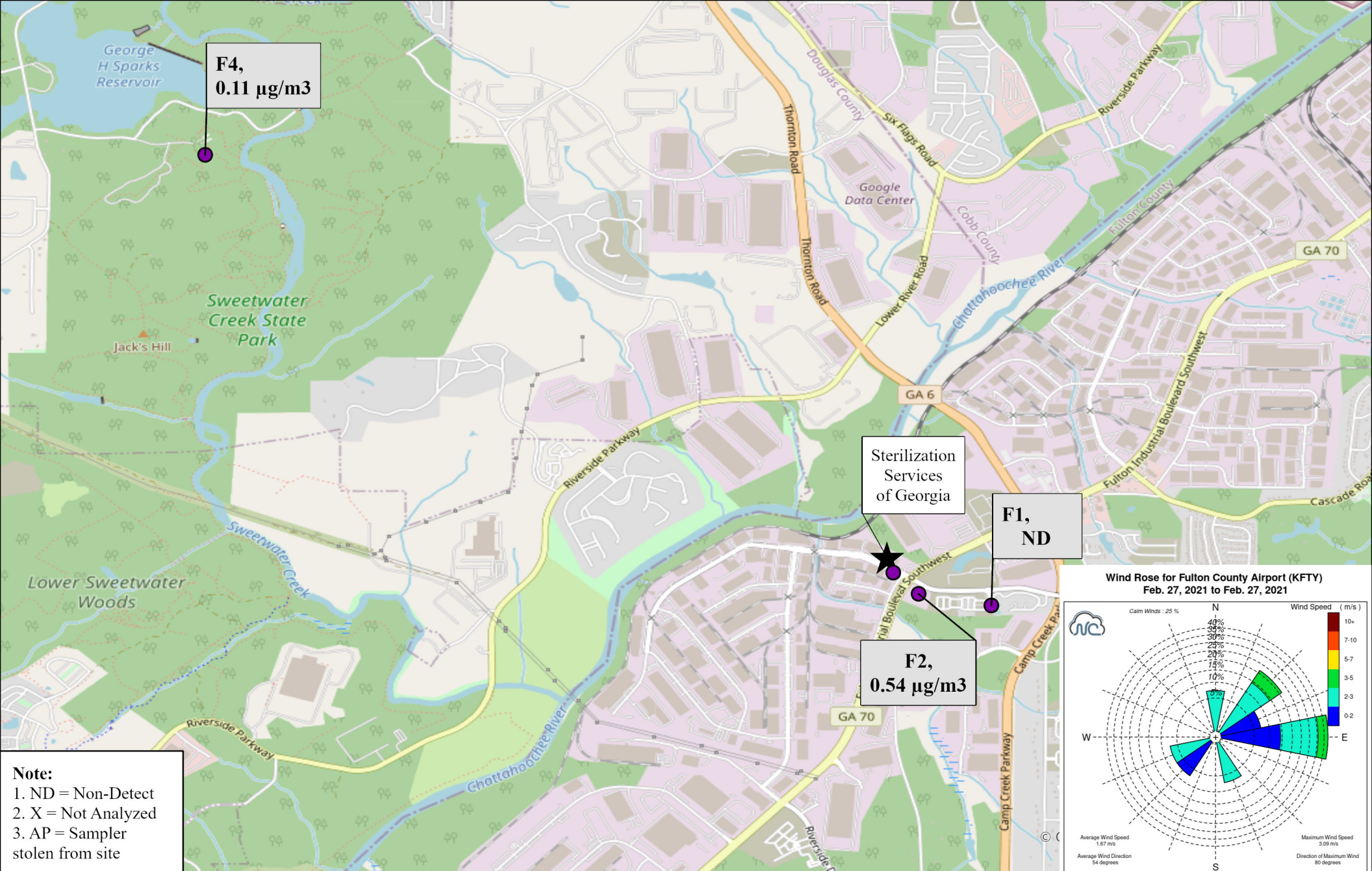
Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group



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

Ethylene Oxide Sampling
 Fulton County, GA

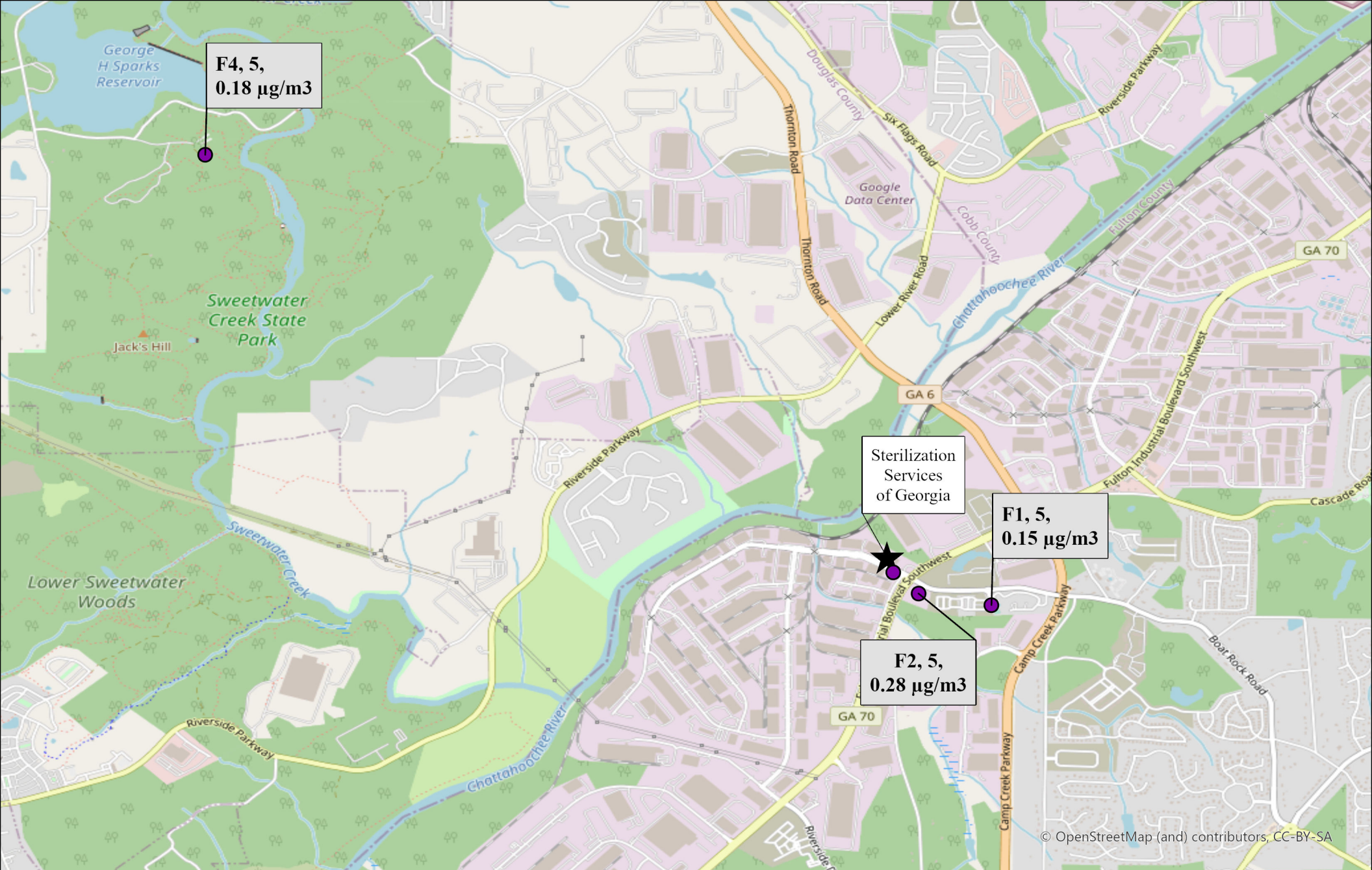
02/21/2021
 Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group



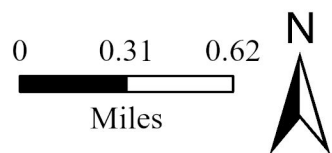
Site ID, Concentration ($\mu\text{g}/\text{m}^3$)

Ethylene Oxide Sampling
 Fulton County, GA

02/27/2021
 Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group



Ethylene Oxide Sampling
Fulton County, GA



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

February 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