

September 23, 2020

MEMORANDUM

To: Karen Hays, Air Branch Chief *KH*

Through: Dika Kuoh, Assistant Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: Covington July 8-20, 2020 Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of July 8-20, 2020 by the Ambient Monitoring Program in the Covington area to characterize the EtO concentration. Each of the samples were sent to Eastern Research Group (ERG) for analysis.

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 sample for C7 was reanalyzed by the laboratory since it did not initially meet the required quality assurance specifications. The reanalysis is included as a separate report attached to this memo. No samples were taken at location C1, C6, C8, or C9 during this period.

Location	Date	Qualifier	EtO Concentration (ug/m ³)
C2	07/08/2020		0.82
C2	07/14/2020		0.72
C2	07/20/2020	2	0.29
C3	07/08/2020		0.75
C3	07/14/2020		0.52
C3	07/20/2020	2	1.09
C4	07/08/2020	2	1.43
C4 QA	07/08/2020	2	0.15
C4	07/14/2020	2	0.21
C4	07/20/2020	2	0.39
C5	07/08/2020		1.13
C5	07/14/2020		0.54
C5	07/20/2020	2	0.34

Location		Date		Qualifier		EtO Concentration (ug/m ³)
C7		07/20/2020		2		1.03

If you have any questions, please let me know.

DGO/do



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

August 25, 2020

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

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 07/17/20 10:47 through 07/27/20 11:43.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. 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

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify julie.swift@erg.com and delete the report without retaining any copies.



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: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
C2	0071703-01	Air	07/08/20 23:59	07/17/20 10:47
C4	0071703-02	Air	07/08/20 23:59	07/17/20 10:47
C3	0071703-03	Air	07/08/20 23:59	07/17/20 10:47
C5	0071703-04	Air	07/08/20 23:59	07/17/20 10:47
C4 QA	0071703-05	Air	07/08/20 23:59	07/17/20 10:47
C2	0072412-01	Air	07/14/20 23:59	07/24/20 12:01
C3	0072412-02	Air	07/14/20 23:59	07/24/20 12:01
C4	0072412-03	Air	07/14/20 23:59	07/24/20 12:01
C5	0072412-04	Air	07/14/20 23:59	07/24/20 12:01
C2	0072412-05	Air	07/20/20 23:59	07/24/20 12:01
C4	0072412-06	Air	07/20/20 23:59	07/24/20 12:01
C5	0072412-07	Air	07/20/20 23:59	07/24/20 12:01
C7 - SA	0072412-08	Air	07/20/20 23:59	07/24/20 12:01
C3	0072725-01	Air	07/20/20 23:59	07/27/20 11:43

Sample C7-SA was reanalyzed by laboratory due to not meeting QA/QC specifications. See attached report for reanalysis.

DGO 9/23/2020



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

FILE #: 4222.00

REPORTED: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

Description: C2

Lab ID: 0071703-01

Sampled: 07/08/20 23:59

Pressure @ Receipt: 4.50" Hg

Canister #: 5128

Received: 07/17/20 10:47

Comments:

Analyzed: 08/06/20 03:29

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.454	0.82		0.0285



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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: 08/25/20 08:56
SUBMITTED: 07/17/20 to 07/27/20
AQS SITE CODE:
SITE CODE: Covington

Description: C4	Lab ID: 0071703-02	Sampled: 07/08/20 23:59
Pressure @ Receipt: 9.50" Hg	Canister #: SAT170	Received: 07/17/20 10:47
Comments:		Analyzed: 08/06/20 04:24

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.794	1.43		0.0285



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FILE #: 4222.00

REPORTED: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

Description: C3

Lab ID: 0071703-03

Sampled: 07/08/20 23:59

Pressure @ Receipt: 7.00" Hg

Canister #: 5083

Received: 07/17/20 10:47

Comments:

Analyzed: 08/06/20 06:15

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	0.417	0.75		0.0285



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FILE #: 4222.00

REPORTED: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

Description: C5

Lab ID: 0071703-04

Sampled: 07/08/20 23:59

Pressure @ Receipt: 5.50" Hg

Canister #: 5130

Received: 07/17/20 10:47

Comments:

Analyzed: 08/06/20 07:11

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	0.626	1.13		0.0285



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FILE #: 4222.00

REPORTED: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

Description: C4 QA

Lab ID: 0071703-05

Sampled: 07/08/20 23:59

Pressure @ Receipt: 7.00" Hg

Canister #: 19645

Received: 07/17/20 10:47

Comments:

Analyzed: 08/06/20 08:06

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	0.0806	0.15		0.0285



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FILE #: 4222.00

REPORTED: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

Description: C2

Lab ID: 0072412-01

Sampled: 07/14/20 23:59

Pressure @ Receipt: 3.50" Hg

Canister #: SAT035

Received: 07/24/20 12:01

Comments:

Analyzed: 08/06/20 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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.401	0.72		0.0285



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FILE #: 4222.00

REPORTED: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

Description: C3

Lab ID: 0072412-02

Sampled: 07/14/20 23:59

Pressure @ Receipt: 7.00" Hg

Canister #: SAT096

Received: 07/24/20 12:01

Comments:

Analyzed: 08/06/20 22:35

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	0.290	0.52		0.0285



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FILE #: 4222.00

REPORTED: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

Description: C4

Lab ID: 0072412-03

Sampled: 07/14/20 23:59

Pressure @ Receipt: 10.00" Hg

Canister #: 19646

Received: 07/24/20 12:01

Comments:

Analyzed: 08/06/20 23:30

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.117	0.21		0.0285



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FILE #: 4222.00

REPORTED: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

Description: C5

Lab ID: 0072412-04

Sampled: 07/14/20 23:59

Pressure @ Receipt: 6.00" Hg

Canister #: SAT087

Received: 07/24/20 12:01

Comments:

Analyzed: 08/07/20 00:25

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	0.298	0.54		0.0285



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FILE #: 4222.00

REPORTED: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

Description: C2

Lab ID: 0072412-05

Sampled: 07/20/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 18868

Received: 07/24/20 12:01

Comments: Received at ambient pressure

Analyzed: 08/07/20 06:51

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	0.158	0.29		0.0285



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ATTN: Ms. Jaime Gore

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

FILE #: 4222.00

REPORTED: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

Description: C4

Lab ID: 0072412-06

Sampled: 07/20/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 33314

Received: 07/24/20 12:01

Comments: Received at ambient pressure

Analyzed: 08/08/20 08:26

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	0.216	0.39		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: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

Description: C5

Lab ID: 0072412-07

Sampled: 07/20/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 35134

Received: 07/24/20 12:01

Comments: Received at ambient pressure

Analyzed: 08/07/20 18:41

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	0.187	0.34		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: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

Description: C7 - SA

Lab ID: 0072412-08

Sampled: 07/20/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: 5010

Received: 07/24/20 12:01

Comments: Received at ambient pressure

Analyzed: 08/07/20 19:36

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.447	0.81	R-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: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

Description: C3

Lab ID: 0072725-01

Sampled: 07/20/20 23:59

Pressure @ Receipt: 0.00" Hg

Canister #: SAT026

Received: 07/27/20 11:43

Comments:

Analyzed: 08/07/20 21:26

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	0.605	1.09		0.0285



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4244 International Pkwy, Suite 120
Atlanta, GA 30354
ATTN: Ms. Jaime Gore
PHONE: (404) 362-4912 **FAX:** (919) 541-0516

FILE #: 4222.00
REPORTED: 08/25/20 08:56
SUBMITTED: 07/17/20 to 07/27/20
AQS SITE CODE:
SITE CODE: Covington

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

Batch B0H0507 - Summa Canister Prep

Blank (B0H0507-BLK1)

Prepared & Analyzed: 08/05/20

Ethylene oxide	ND	ppbv				U
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Duplicate (B0H0507-DUP5)

Source: 0071703-02

Prepared: 07/08/20 Analyzed: 08/06/20

Ethylene oxide	0.811	ppbv	0.79	2.08	25	
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Duplicate (B0H0507-DUP6)

Source: 0071703-05

Prepared: 07/08/20 Analyzed: 08/06/20

Ethylene oxide	0.0826	ppbv	0.08	2.45	25	
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Batch B0H0606 - Summa Canister Prep

Blank (B0H0606-BLK1)

Prepared & Analyzed: 08/06/20

Ethylene oxide	ND	ppbv				U
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Duplicate (B0H0606-DUP1)

Source: 0072412-01

Prepared: 07/14/20 Analyzed: 08/06/20

Ethylene oxide	0.412	ppbv	0.40	2.63	25	
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Batch B0H0705 - Summa Canister Prep

Blank (B0H0705-BLK1)

Prepared & Analyzed: 08/07/20

Ethylene oxide	ND	ppbv				U
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Duplicate (B0H0705-DUP1)

Source: 0072412-08

Prepared: 07/20/20 Analyzed: 08/07/20

Ethylene oxide	0.638	ppbv	0.45	35.1	25	R-F
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ATTN: Ms. Jaime Gore
PHONE: (404) 362-4912 **FAX:** (919) 541-0516

FILE #: 4222.00
REPORTED: 08/25/20 08:56
SUBMITTED: 07/17/20 to 07/27/20
AQS SITE CODE:
SITE CODE: Covington

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

Sequence 2008010

Calibration Check (2008010-CCV1)

Prepared & Analyzed: 08/05/20

Ethylene oxide	2.69	ppbv	9.0	30.00
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Sequence 2008012

Calibration Check (2008012-CCV1)

Prepared & Analyzed: 08/06/20

Ethylene oxide	2.91	ppbv	17.8	30.00
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Sequence 2008018

Calibration Check (2008018-CCV1)

Prepared & Analyzed: 08/07/20

Ethylene oxide	3.01	ppbv	21.6	30.00
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FILE #: 4222.00

REPORTED: 08/25/20 08:56

SUBMITTED: 07/17/20 to 07/27/20

AQS SITE CODE:

SITE CODE: Covington

Notes and Definitions

U	Under Detection Limit
R-F	Replicate exceeds DQO criteria.
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, ethylene oxide, hexachloro-1,3-butadiene, n-octane, propylene, tert amyl methyl ether, tetrachloroethylene, trans-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.



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

September 22, 2020

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

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 07/24/20 12:01.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. 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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ATTN: Ms. Jaime Gore
PHONE: (404) 362-4912 **FAX:** (919) 541-0516

FILE #: 4222.00
REPORTED: 09/22/20 13:43
SUBMITTED: 07/24/20
AQS SITE CODE:
SITE CODE: Covington

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
C7 - SA	0072412-08	Air	07/20/20 23:59	07/24/20 12:01

Description: C7 - SA	Lab ID: 0072412-08RE1	Sampled: 07/20/20 23:59
Pressure @ Receipt: 0.00" Hg	Canister #: 5010	Received: 07/24/20 12:01
Comments: Received at ambient pressure		Analyzed: 09/02/20 08:08

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	0.569	1.03		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: 09/22/20 13:43
SUBMITTED: 07/24/20
AQS SITE CODE:
SITE CODE: Covington

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

Batch B0I0108 - Summa Canister Prep

Blank (B0I0108-BLK1)

Prepared & Analyzed: 09/01/20

Ethylene oxide	ND	ppbv				U
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Duplicate (B0I0108-DUP5)

Source: 0072412-08R

Prepared: 07/20/20 Analyzed: 09/02/20

Ethylene oxide	0.567	ppbv	0.57	0.405	25	
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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: 09/22/20 13:43
SUBMITTED: 07/24/20
AQS SITE CODE:
SITE CODE: Covington

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

Sequence 2009001

Calibration Check (2009001-CCV1)

Prepared & Analyzed: 09/01/20

Ethylene oxide	2.22	ppbv	-11.3	30.00
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CERTIFICATE OF ANALYSIS

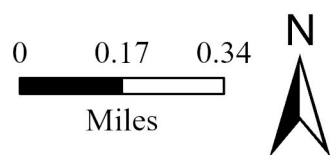
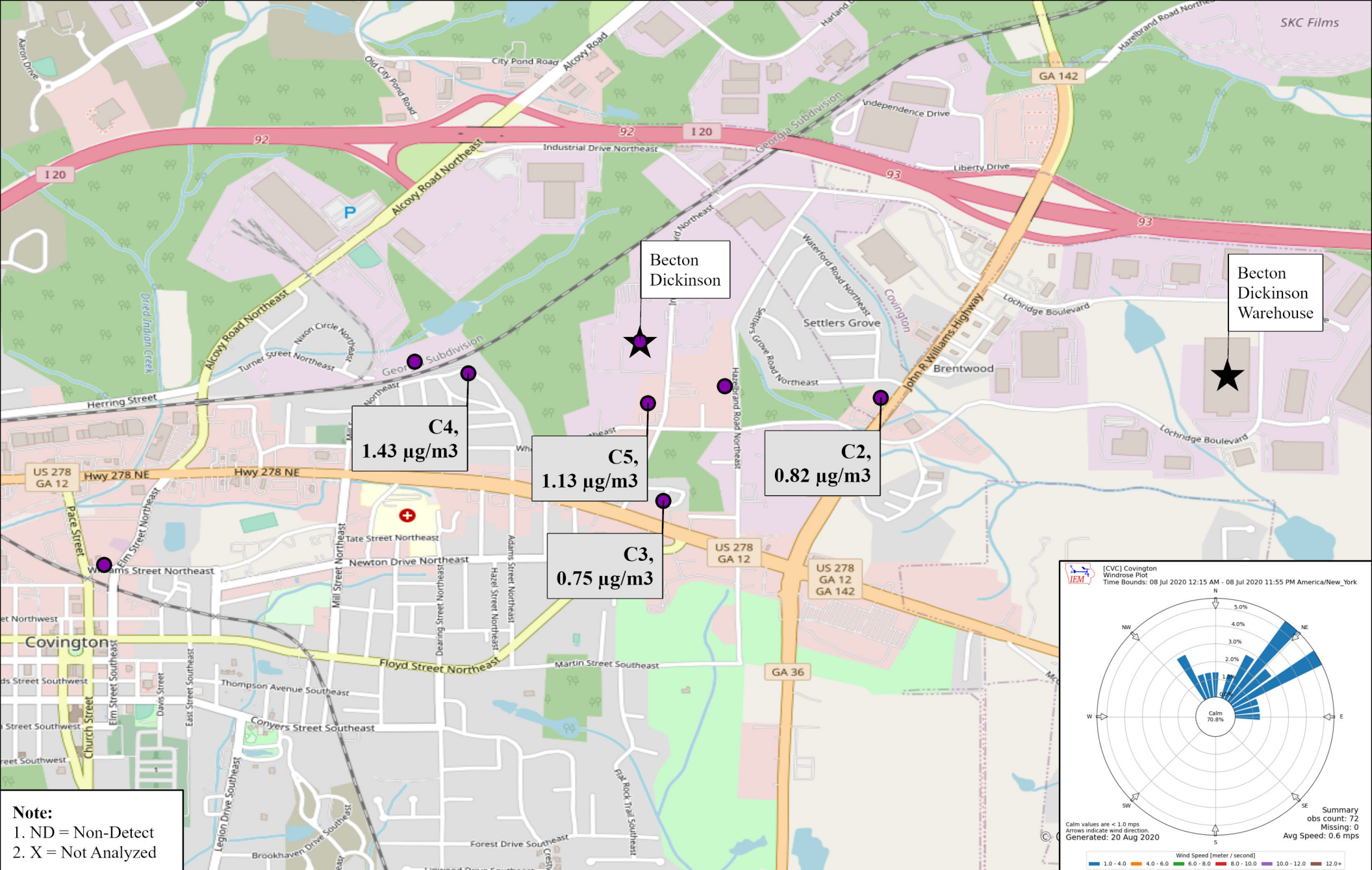
U.S. Environmental Protection Agency, Region 4
4244 International Pkwy, Suite 120
Atlanta, GA 30354
ATTN: Ms. Jaime Gore
PHONE: (404) 362-4912 **FAX:** (919) 541-0516

FILE #: 4222.00
REPORTED: 09/22/20 13:43
SUBMITTED: 07/24/20
AQS SITE CODE:
SITE CODE: Covington

Notes and Definitions

U	Under Detection Limit
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

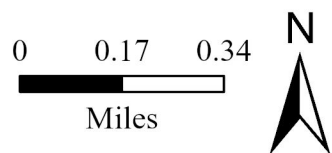
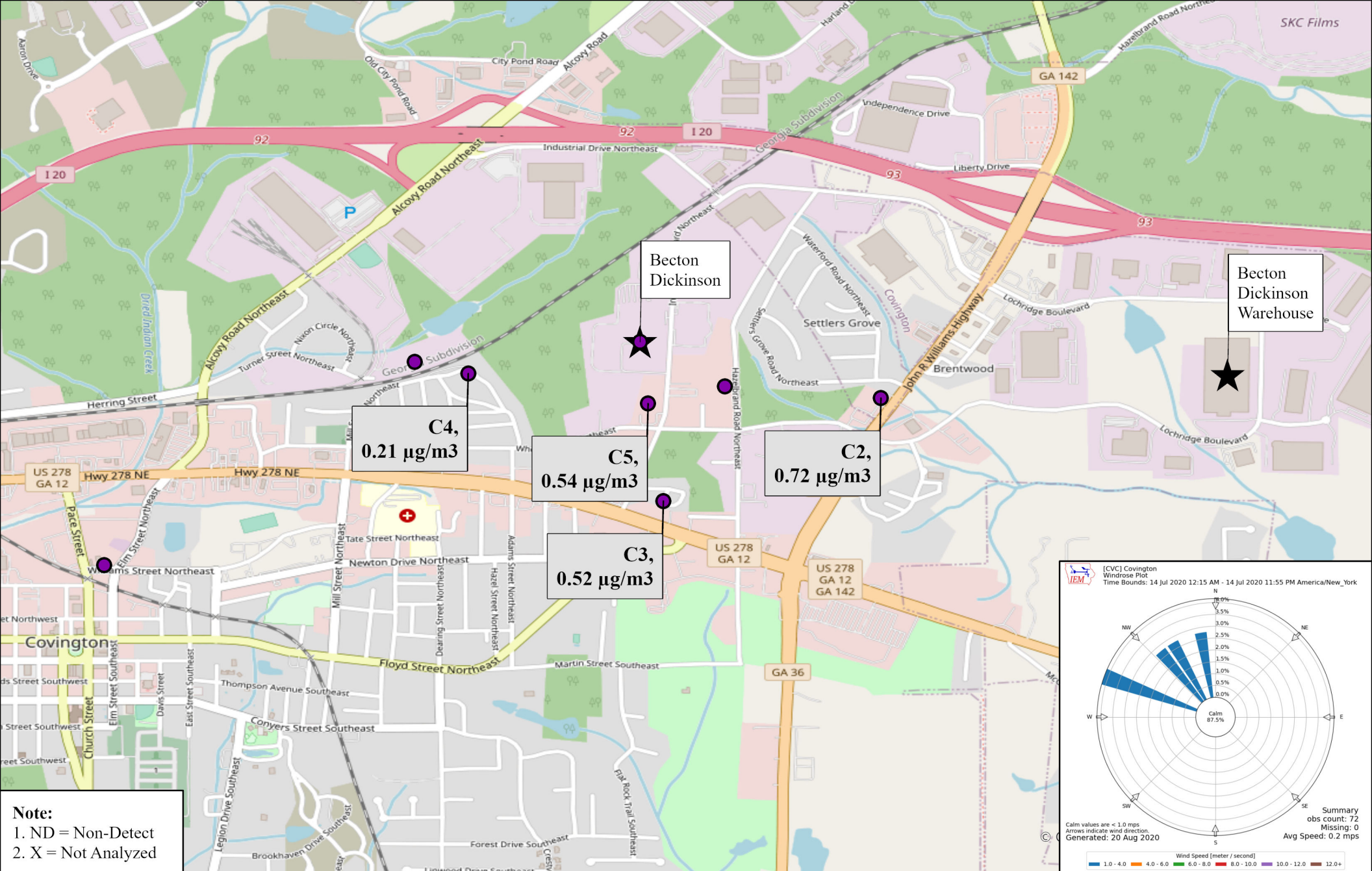
Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, ethylene oxide, hexachloro-1,3-butadiene, n-octane, propylene, tert amyl methyl ether, tetrachloroethylene, trans-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.



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

Ethylene Oxide Sampling
Covington, GA

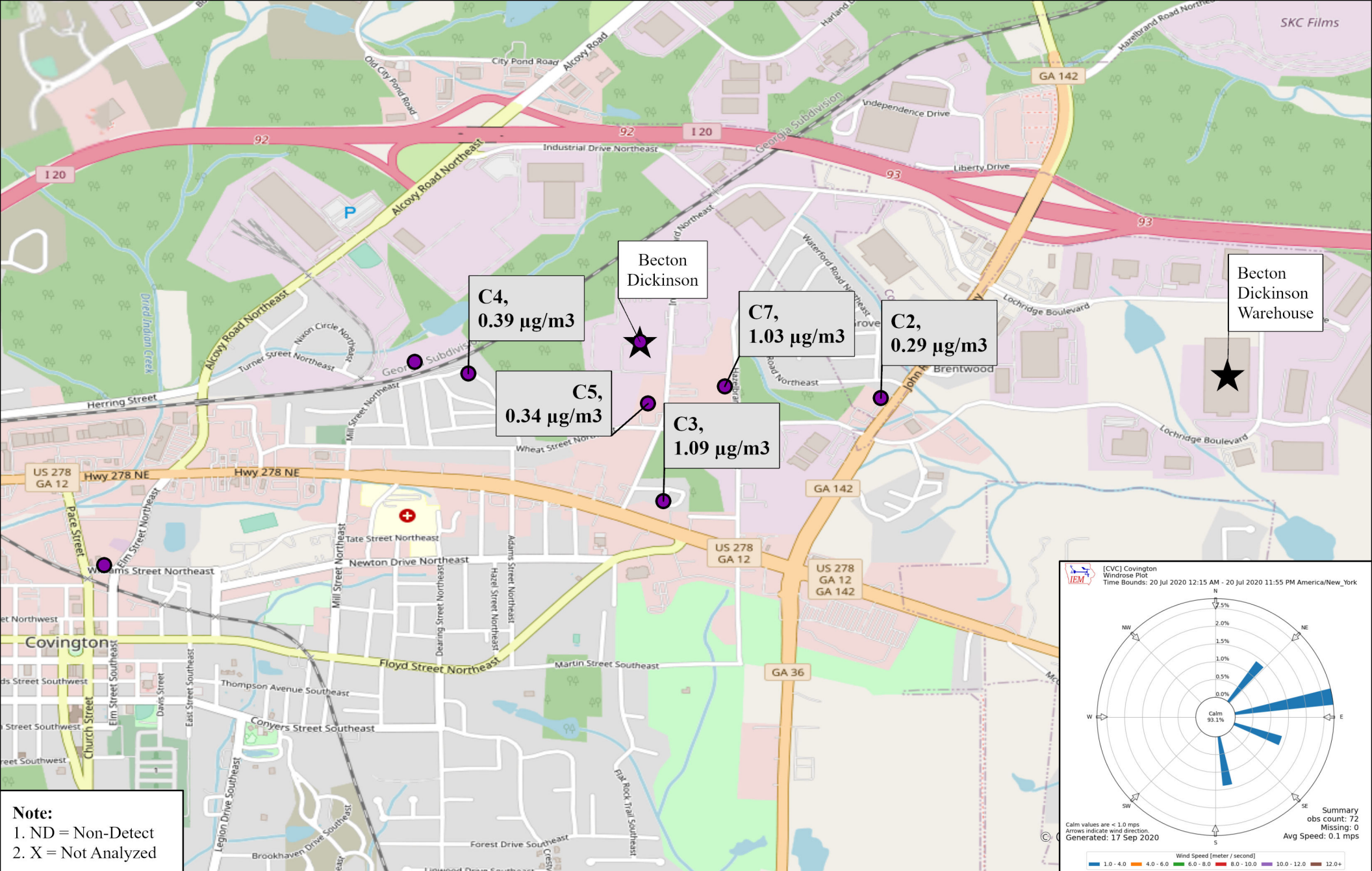
07/08/2020
 Sampled By: Georgia Environmental Protection Division
 Analyzed By: Eastern Research Group



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

Ethylene Oxide Sampling
Covington, GA

07/14/2020
Sampled By: Georgia Environmental Protection Division
Analyzed By: Eastern Research Group



0 0.17 0.34
 Miles



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

Ethylene Oxide Sampling
 Covington, GA

07/20/2020

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



GEORGIA
 DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION