

Richard E. Dunn, Director

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

Through: James Boylan, Assistant Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

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

Samples of Ethylene Oxide (EtO) were taken at our South DeKalb monitoring station in January and February 2021. Samples were also collected at a nearby ambient monitoring station close to the interstate (NR-285) to see the impacts of mobile traffic on the ethylene oxide measurements. Each of the samples were sent to Eastern Research Group (ERG) for analysis.

The sample listed as QA is a sample taken side by side during the same time period on the same type of sampler to compare the precision of the sampler. The Qualifier code of "ND" was given to samples to indicate that no value was detected and a concentration of zero was reported. The Qualifier code "U" was given by ERG to indicate that the sample is under the detection limit. The Qualifier code of "LK" was given by ERG to indicate that the sample may be biased high. The Qualifier codes of 1 and 6 were added to data because the samplers used for collection had not been verified against an ethylene oxide standard prior to sampling. 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. below. The sample listed as "AA" indicates a sample pressure was out of limits. Please note that ERG is now providing values for levels below the detection limit.

Location	Date	Qualifier	EtO Concentration (ug/m³)
South DeKalb passive	01/22/2021	2, ND, U	0.00
South DeKalb passive	01/28/2021	2, LK	0.76
South DeKalb passive	02/03/2021		AA
South DeKalb passive QA	02/03/2021	2	0.06
South DeKalb passive	02/09/2021	2, LK	0.39
South DeKalb passive	02/15/2021		0.19
South DeKalb passive	02/21/2021		0.12
South DeKalb passive	02/27/2021	2	0.13
NR – 285 passive	02/09/2021		0.08
NR – 285 passive	02/21/2021		0.24

Samples were also collected on a pressurized system at our South DeKalb and NR -285 monitoring stations for comparison purposes on the dates listed below. This comparison is part of the Community Scales Air Toxics Monitoring Grant awarded to Georgia EPD by EPA for evaluating new technologies for ethylene oxide measurement. These samples were also sent to Eastern Research Group for analysis. The samples listed as AF were scheduled but not collected. Please see above for the other qualifier explanations.

Location	Date	Qualifier	EtO Concentration (ug/m³)
South DeKalb pressurized	01/22/2021	1, 2, 6, LK	0.26
South DeKalb pressurized	01/28/2021	1, 2, 6	0.26
South DeKalb pressurized	02/03/2021		AF
South DeKalb pressurized	02/09/2021		AF
South DeKalb pressurized	02/15/2021	1, 6, U	0.04
South DeKalb pressurized	02/21/2021	1, 6	0.22
South DeKalb pressurized	02/27/2021	1, 6	0.08
	0.1/20/2021		0.00
NR – 285 pressurized	01/28/2021	ND, U, 2	0.00
NR – 285 pressurized	02/09/2021		0.34
NR – 285 pressurized	02/21/2021		0.08

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: GA EtO

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 01/29/21 10:39 through 03/05/21 12:55.

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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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 14:41

SUBMITTED: 01/29/21 to 03/05/21

AQS SITE CODE:

SITE CODE: GA EtO

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	Received
South Dekalb	1012902-01	Air	01/22/21 23:59	01/29/21 10:39
South Dekalb-Atec	1012902-02	Air	01/22/21 23:59	01/29/21 10:39
South Dekalb	1020518-01	Air	01/28/21 23:59	02/05/21 11:22
South Dekalb-Atec	1020518-02	Air	01/28/21 23:59	02/05/21 11:22
NR285	1020518-03	Air	01/28/21 23:59	02/05/21 11:22
South Dekalb	1021209-01	Air	02/03/21 23:59	02/12/21 11:10
South Dekalb QA	1021209-02	Air	02/03/21 23:59	02/12/21 11:10
NR285	1021909-01	Air	02/09/21 23:59	02/19/21 13:57
NR285	1021909-02	Air	02/09/21 23:59	02/19/21 13:57
South Dekalb	1021909-03	Air	02/09/21 23:59	02/19/21 13:57
South Dekalb	1022212-01	Air	02/15/21 23:59	02/22/21 12:29
South Dekalb-Atec	1022212-02	Air	02/15/21 23:59	02/22/21 12:29
South Dekalb	1030511-01	Air	02/21/21 23:59	03/05/21 12:55
South Dekalb-Atec	1030511-02	Air	02/21/21 23:59	03/05/21 12:55
South Dekalb-Atec	1030511-03	Air	02/27/21 23:59	03/05/21 12:55
South Dekalb	1030511-04	Air	02/27/21 23:59	03/05/21 12:55
NR285	1030511-05	Air	02/21/21 23:59	03/05/21 12:55
NR285 Xonteck	1030511-06	Air	02/21/21 23:59	03/05/21 12:55



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

Description: South Dekalb

Pressure @ Receipt: 2" Hg

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

Lab ID: 1012902-01

Canister #: SAT078

GA EtO

FILE #: 4022.00

AQS SITE CODE:

SITE CODE:

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

Sampled: 01/22/21 23:59 Received: 01/29/21 10:39

Analyzed: 02/18/21 03:59

Air Toxics by EPA Compendium Method TO-15 MDL

Results ppbv ug/m³

ND

ND

<u>Flag</u>

ppbv U 0.0285

Eastern Research Group



FILE #: 4022.00

AQS SITE CODE:

SITE CODE:

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

GA EtO

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

Description: South Dekalb-Atec

Pressure @ Receipt: 11.75 psi

Lab ID:

1012902-02

Canister #: SAT129

Analyzed: 02/18/21 04:58

Sampled: 01/22/21 23:59 Received: 01/29/21 10:39

Air Toxics by EPA Compendium Method TO-15

Results

<u>Flag</u>

Analyte Ethylene oxide

Comments:

ppbv ug/m³ 0.146

0.26

LK

MDL ppbv 0.0285



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Comments:

ATTN: Ms. Jaime Gore

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

Description: South Dekalb

Pressure @ Receipt: 0" Hg

FILE #: 4022.00

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

AQS SITE CODE:

SITE CODE: GA EtO

Lab ID: 1020518-01 Sampled: 01/28/21 23:59 **Canister #:** 33493 **Received:** 02/05/21 11:22 **Analyzed:** 02/24/21 03:11

Air Toxics by EPA Compendium Method TO-15

MDL **Results Analyte** ppbv ug/m³ <u>Flag</u> ppbv LK Ethylene oxide 0.421 0.76 0.0285



FILE #: 4022.00

AQS SITE CODE:

SITE CODE:

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

GA EtO

U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

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

Description: South Dekalb-Atec

Pressure @ Receipt: 12.25 psi

0.26

Lab ID:

1020518-02

Canister #: SAT025

Sampled: 01/28/21 23:59

Received: 02/05/21 11:22

Analyzed: 02/24/21 04:11

Air Toxics by EPA Compendium Method TO-15

Results ppbv ug/m³

0.143

<u>Flag</u>

MDL ppbv 0.0285

Eastern Research Group



FILE #: 4022.00

AQS SITE CODE:

SITE CODE:

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

GA EtO

U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

ATTN: Ms. Jaime Gore

Description: NR285

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

Pressure @ Receipt: 12.25 psi

Lab ID:

1020518-03

Canister #: 19288

Sampled: 01/28/21 23:59

Received: 02/05/21 11:22 **Analyzed:** 02/24/21 05:10

Air Toxics by EPA Compendium Method TO-15

Results ppbv ug/m³

<u>Flag</u>

MDL ppbv

Analyte Ethylene oxide

Comments:

ND

ND

U

0.0285



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Comments:

ATTN: Ms. Jaime Gore

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

Description: South Dekalb

Pressure @ Receipt: 0.00" Hg

FILE #: 4022.00

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

AQS SITE CODE:

SITE CODE: GA EtO

Lab ID: 1021209-01 Sampled: 02/03/21 23:59 Canister #: AQL0397 Received: 02/12/21 11:10 **Analyzed:** 02/26/21 08:51

Air Toxics by EPA Compendium Method TO-15

MDL Results **Analyte** ppbv ug/m³ <u>Flag</u> ppbv LK Ethylene oxide 0.514 0.93 0.0261



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516 **Description:** South Dekalb QA

Pressure @ Receipt: 0.00" Hg

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

AQS SITE CODE:

FILE #: 4022.00

SITE CODE: GA EtO

Lab ID: 1021209-02 Sampled: 02/03/21 23:59 **Canister #:** 110342 **Received:** 02/12/21 11:10 **Analyzed:** 02/26/21 10:52

Air Toxics by EPA Compendium Method TO-15 MDL

Results ppbv ug/m³

0.06

0.0319

<u>Flag</u>

ppbv 0.0261

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U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

ATTN: Ms. Jaime Gore

Description: NR285

Comments: Entech

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

Pressure @ Receipt: 1.0"Hg

FILE #: 4022.00

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

AQS SITE CODE:

SITE CODE: GA EtO

Lab ID: 1021909-01 Sampled: 02/09/21 23:59 **Canister #:** 114322 Received: 02/19/21 13:57 **Analyzed:** 03/02/21 00:01

Air Toxics by EPA Compendium Method TO-15

Results

Analyte Ethylene oxide 0.0458

ppbv ug/m³ 0.08

<u>Flag</u>

ppbv 0.0261

MDL



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

ATTN: Ms. Jaime Gore

Description: NR285

Comments: Xonteck

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

Pressure @ Receipt: 18.0 psi

FILE #: 4022.00

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

AQS SITE CODE:

SITE CODE: GA EtO

Lab ID: 1021909-02 Sampled: 02/09/21 23:59 Canister #: SAT107 Received: 02/19/21 13:57 **Analyzed:** 03/02/21 01:01

Air Toxics by EPA Compendium Method TO-15

Results

<u>Flag</u>

MDL

Analyte Ethylene oxide ppbv ug/m³ 0.186

0.34

ppbv 0.0261



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

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

Description: South Dekalb

Pressure @ Receipt: 5.50" Hg

Lab ID: 1021909-03

Canister #: SAT112

AQS SITE CODE:

SITE CODE:

FILE #: 4022.00

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

GA EtO

Received: 02/19/21 13:57 **Analyzed:** 03/03/21 00:12

Sampled: 02/09/21 23:59

Air Toxics by EPA Compendium Method TO-15 MDL

Results ppbv ug/m³

0.39

0.215

<u>Flag</u>

LK

ppbv 0.0261

Eastern Research Group



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

PHONE: (404) 362-4912 **FAX:** (919) 541-0516 **Description:** South Dekalb

Pressure @ Receipt: 4.00" Hg

FILE #: 4022.00

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

AQS SITE CODE:

SITE CODE: GA EtO

Lab ID: 1022212-01 Sampled: 02/15/21 23:59 **Canister #:** 35135 Received: 02/22/21 12:29 **Analyzed:** 02/26/21 17:59

Air Toxics by EPA Compendium Method TO-15

MDL Results ppbv ug/m³ <u>Flag</u> ppbv 0.107 0.19 0.0261



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

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

Description: South Dekalb-Atec

Pressure @ Receipt: 13.00 psi **Comments:**

Lab ID: 1022212-02

Canister #: 2767

FILE #: 4022.00

AQS SITE CODE:

SITE CODE:

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

GA EtO

Sampled: 02/15/21 23:59

Received: 02/22/21 12:29 **Analyzed:** 02/26/21 20:01

Air Toxics by EPA Compendium Method TO-15 <u>MDL</u>

Results ppbv ug/m³

0.04

0.0239

<u>Flag</u>

U

ppbv 0.0261

Eastern Research Group



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 **Description:** South Dekalb

Pressure @ Receipt: 4.50" Hg

Lab ID:

1030511-01

Canister #: 18828

FILE #: 4022.00

AQS SITE CODE:

SITE CODE:

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

GA EtO

Received: 03/05/21 12:55

Analyzed: 03/06/21 04:41

Sampled: 02/21/21 23:59

Air Toxics by EPA Compendium Method TO-15 MDL

Results ppbv ug/m³

<u>Flag</u>

Ethylene oxide

Analyte

Comments:

0.0673

0.12

ppbv 0.0261



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Comments:

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

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

Description: South Dekalb-Atec Pressure @ Receipt: 12.50 psig FILE #: 4022.00

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

AQS SITE CODE:

SITE CODE: GA EtO

Lab ID: 1030511-02 Sampled: 02/21/21 23:59 Canister #: SAT092 **Received:** 03/05/21 12:55

Analyzed: 03/06/21 05:42

Air Toxics by EPA Compendium Method TO-15

Results ppbv ug/m³

0.22

MDL

0.122

<u>Flag</u>

ppbv 0.0261

Eastern Research Group



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Analyte

Ethylene oxide

ATTN: Ms. Jaime Gore

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

Description: South Dekalb-Atec

Pressure @ Receipt: 12.50 psig **Comments:**

FILE #: 4022.00

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

AQS SITE CODE:

SITE CODE: GA EtO

> Sampled: 02/27/21 23:59 **Received:** 03/05/21 12:55

> > **Analyzed:** 03/06/21 06:43

Air Toxics by EPA Compendium Method TO-15

1030511-03

Results ppbv ug/m³

<u>Flag</u>

Canister #: 33540

Lab ID:

0.0422

0.08

ppbv 0.0261

MDL

Eastern Research Group



U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

Comments:

ATTN: Ms. Jaime Gore

Description: South Dekalb

Pressure @ Receipt: 0.8" Hg

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

Lab ID: 1030511-04

Canister #: SAT002

0.0261

Air Toxics by EPA Compendium Method TO-15

SITE CODE:

FILE #: 4022.00

AQS SITE CODE:

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

GA EtO

Sampled: 02/27/21 23:59

Received: 03/05/21 12:55

Analyzed: 03/06/21 07:44

MDL **Results** ppbv

ppbv ug/m³ **Analyte** <u>Flag</u> Ethylene oxide 0.0727 0.13

Eastern Research Group



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

Pressure @ Receipt: 0.80"Hg

Description: NR285

Lab ID:

1030511-05

FILE #: 4022.00

AQS SITE CODE:

SITE CODE:

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

GA EtO

Canister #: A21099

Sampled: 02/21/21 23:59 Received: 03/05/21 12:55

Analyzed: 03/06/21 08:44

Air Toxics by EPA Compendium Method TO-15

Results ppbv ug/m³

<u>Flag</u>

Analyte Ethylene oxide

Comments:

0.131 0.24

ppbv 0.0261

MDL



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

Description: NR285 Xonteck

Pressure @ Receipt: 17.50 psig

FILE #: 4022.00

REPORTED: 04/16/21 14:41

SUBMITTED: 01/29/21 to 03/05/21

AQS SITE CODE:

SITE CODE: GA EtO

Sampled: 02/21/21 23:59

Received: 03/05/21 12:55 **Analyzed:** 03/06/21 10:46

Air Toxics by EPA Compendium Method TO-15

MDL

1030511-06

Results ppbv ug/m³

<u>Flag</u>

Lab ID:

Canister #: A21044

Ethylene oxide

Analyte

Comments:

0.0423 0.08

ppbv 0.0261



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 14:41

SUBMITTED: 01/29/21 to 03/05/21

AQS SITE CODE:

SITE CODE: GA EtO

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Air Toxics by EPA Compendium	Method TO-1	5 - Quality Cont	trol			
Batch B1B2307 - Summa Canister	Prep					
Blank (B1B2307-BLK1)			Prepared: 02/18/21	Analyzed: 02/23/21		
Ethylene oxide	ND	ppbv				U
Batch B1B2507 - Summa Canister	Prep					
Blank (B1B2507-BLK1)			Prepared & Analyzed: 02/25/21			
Ethylene oxide	ND	ppbv				U
Duplicate (B1B2507-DUP5)	Source	e: 1021209-01	Prepared: 02/03/21	Analyzed: 02/26/21		
Ethylene oxide	0.496	ppbv	0.51	3.72	25	LK
Duplicate (B1B2507-DUP6)	Source	e: 1021209-02		Analyzed: 02/26/21		
Ethylene oxide	0.0304	ppbv	0.03	4.82	25	
Batch B1B2603 - Summa Canister	Prep					
Blank (B1B2603-BLK1)			Prepared & Analyzed: 02/26/21			
Ethylene oxide	ND	ppbv				U
Duplicate (B1B2603-DUP1)	Source	e: 1022212-01	• • • • • • • • • • • • • • • • • • • •	Analyzed: 02/26/21		
Ethylene oxide	0.106	ppbv	0.11	1.51	25	
Duplicate (B1B2603-DUP2)	Source: 1022212-02		Prepared: 02/15/21	Analyzed: 02/26/21		
Ethylene oxide	0.0264	ppbv	ND		25	
Batch B1C0110 - Summa Canister	Prep					
Blank (B1C0110-BLK1)			Prepared & Analyzed: 03/01/21			
Ethylene oxide	ND	ppbv				U
Batch B1C0205 - Summa Canister	Prep					
Blank (B1C0205-BLK1)			Prepared & Analyzed	d: 03/02/21		
Ethylene oxide	ND	ppbv				U
Batch B1C0506 - Summa Canister	Prep					
Blank (B1C0506-BLK1)			Prepared & Analyzed: 03/05/21			
Ethylene oxide	ND	ppbv				U
Duplicate (B1C0506-DUP3)	Source	e: 1030511-05	Prepared: 02/21/21	Analyzed: 03/06/21		
Ethylene oxide	0.140	ppbv	0.13	6.20	25	
Duplicate (B1C0506-DUP4)	Source	e: 1030511-06		Analyzed: 03/06/21		
Ethylene oxide	0.0433	ppbv	0.04	2.34	25	-

Eastern Research Group



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 14:41

SUBMITTED: 01/29/21 to 03/05/21

AQS SITE CODE:

SITE CODE: GA EtO

Analyte	Result	Units	% Difference	Limit (%)	Notes
Air Toxics by EPA Compend	ium Method TO-15	- Quality Co	ntrol		
Sequence 2102036					
Calibration Check (2102036-	-CCV1)		Prepared & Analyzo	ed: 02/17/21	
Ethylene oxide	2.91	ppbv	20.6	30.00	
Sequence 2102046					
Calibration Check (2102046-	-CCV1)		Prepared & Analyze	ed: 02/23/21	
Ethylene oxide	3.06	ppbv	26.7	30.00	
Sequence 2102052					
Calibration Check (2102052-	-CCV1)		Prepared & Analyze	ed: 02/25/21	
Ethylene oxide	2.34	ppbv	-6.5	30.00	
Sequence 2102057					
Calibration Check (2102057-	-CCV1)		Prepared & Analyze	ed: 02/26/21	
Ethylene oxide	2.35	ppbv	-6.0	30.00	
Sequence 2103006					
Calibration Check (2103006-	-CCV1)		Prepared & Analyze	ed: 03/01/21	
Ethylene oxide	2.41	ppbv	-3.6	30.00	
Sequence 2103009					
Calibration Check (2103009-	-CCV1)		Prepared & Analyze	ed: 03/02/21	
Ethylene oxide	2.52	ppbv	0.7	30.00	
Sequence 2103026					
Calibration Check (2103026-	-CCV1)		Prepared & Analyzo	ed: 03/05/21	
Ethylene oxide	2.68	ppbv	7.1	30.00	

Eastern Research Group



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 14:41

SUBMITTED: 01/29/21 to 03/05/21

AQS SITE CODE:

SITE CODE: GA EtO

Notes and Definitions

U Under Detection Limit

D-F Duplicate exceeds DQO criteria.

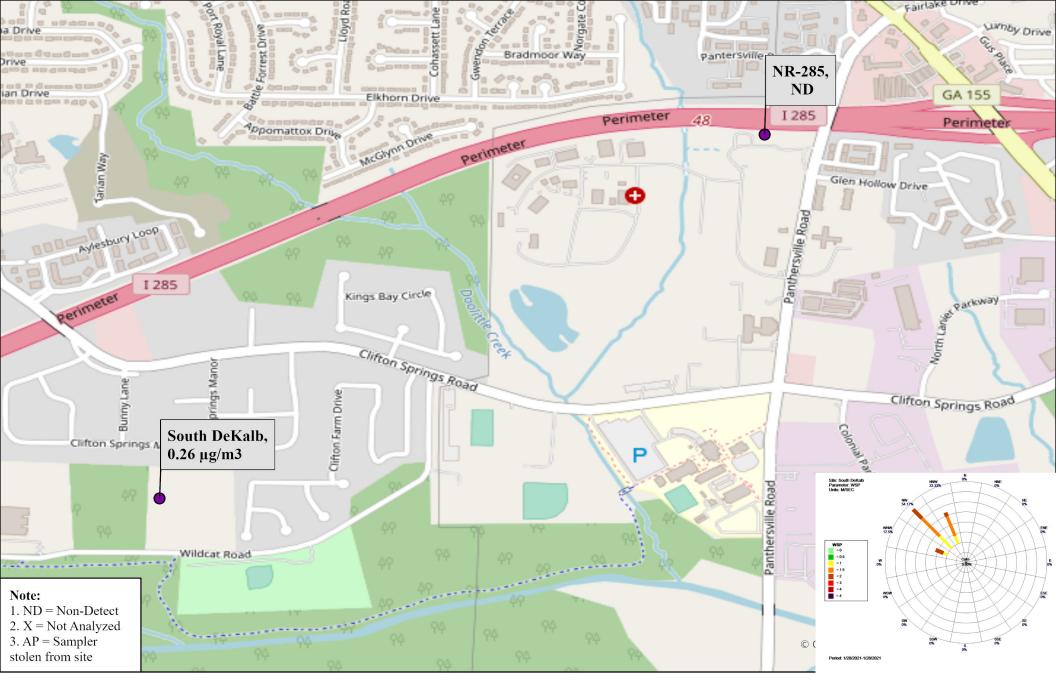
ND Analyte NOT DETECTED

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.

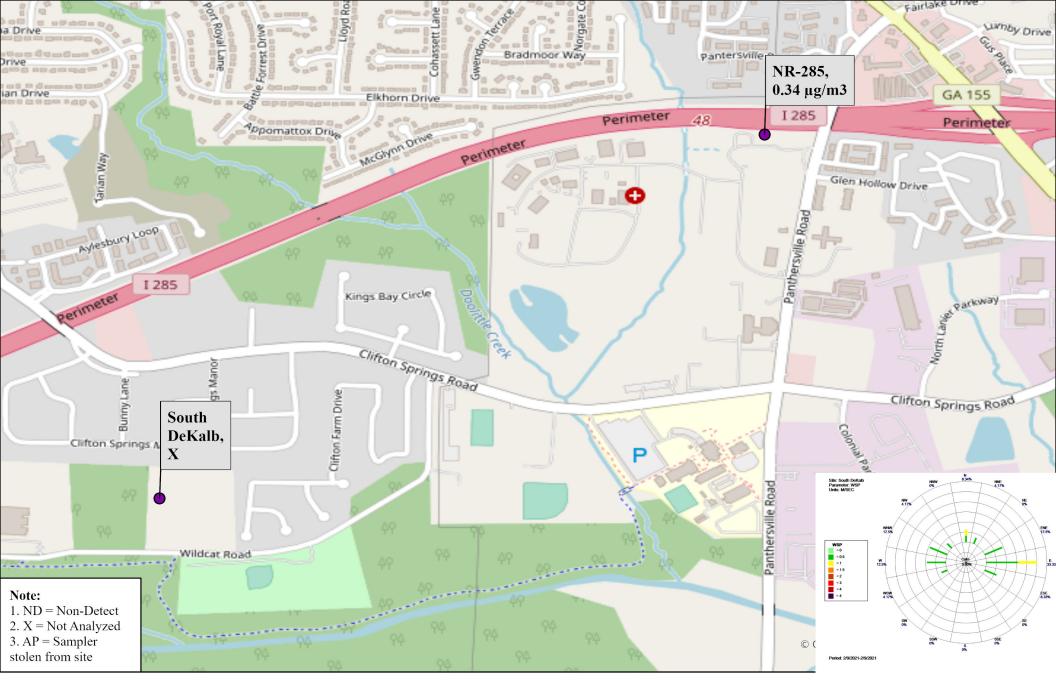




01/28/2021 pressurized

Sampled By: Georgia Environmental Protection Division



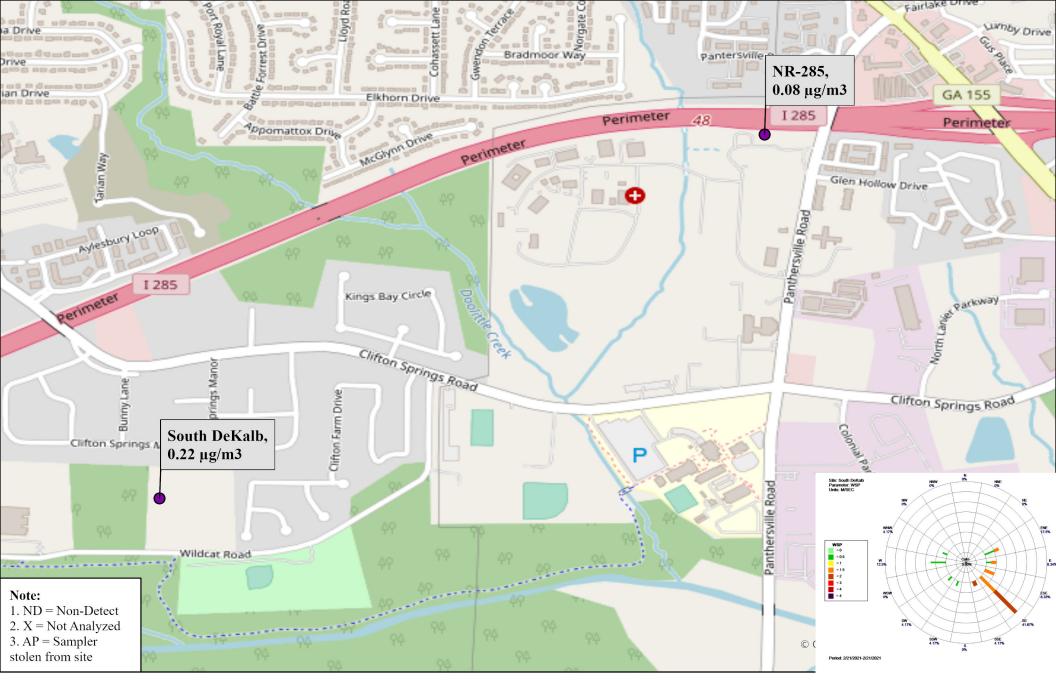




02/09/2021 pressurized

Sampled By: Georgia Environmental Protection Division



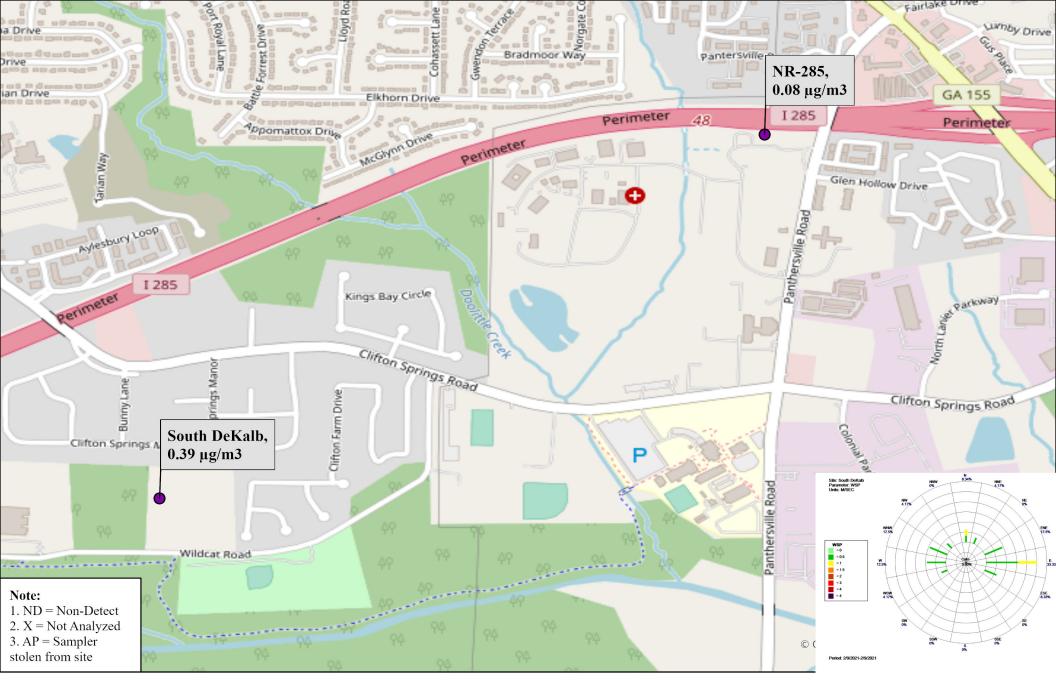




02/21/2021 pressurized

Sampled By: Georgia Environmental Protection Division







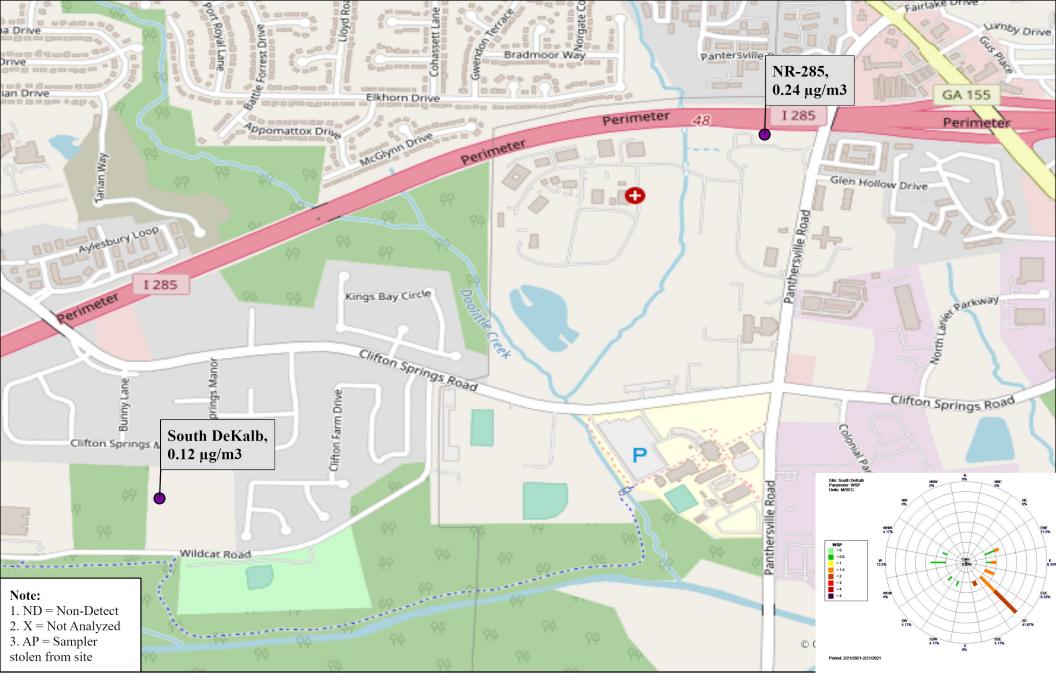
02/09/2021 passive

Sampled By: Georgia Environmental Protection Division

Analyzed By: Eastern Research Group



ENVIRONMENTAL PROTECTION DIVISION





02/21/2021 passive

Sampled By: Georgia Environmental Protection Division

