

ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

EPD Director's Office

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

November 29, 2021

MEMORANDUM

To: Karen Hays, Air Branch Chief 77

Through: James Boylan, Assistant Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: Cobb – May 16 – June 3, 2021, Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected during the period of May 16 – June 3, 2021, by the Ambient Monitoring Program in the Cobb area to characterize the EtO concentration. Each of the samples were sent to Eastern Research Group (ERG) for analysis. The Qualifier code of "LK" was given by ERG to indicate that the sample may be biased high. The Qualifier code of "2" was given to samples to indicate that the collection deviated from established procedures, but the integrity of the sample was not compromised. The Qualifier code of "3" was given to samples to indicate that integrity of the field data may have been compromised.

Location	Date	Qualifier	EtO Concentration (ug/m ³)
S1	05/16/2021		0.22
S1	05/22/2021	2	0.20
S1	05/28/2021	LK	0.44
S1	06/03/2021		0.22
S2	05/16/2021	3	0.10
S2	05/22/2021	3	0.13
S2	05/28/2021	3	0.11
S2	06/03/2021	3	0.10
S3	05/16/2021		0.94
S3	05/22/2021		0.98
S3	05/28/2021		0.25
S 3	06/03/2021	LK	0.87
S4	05/16/2021		0.11
S4	05/22/2021		0.11
S4	05/28/2021	LK, 2	0.35
S4	06/03/2021	2	0.12
S4 QA	05/28/2021	LK, 2	0.25
S7-SA	05/22/2021	LK	0.24

If you have any questions, please let me know.

DGO/do



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

August 03, 2021

Ms. Jaime Gore GA Ambient Monitoring Program 4244 International Pkwy, Suite 120 Atlanta, GA 30354 Project Name: Cobb

Dear Ms. Jaime Gore,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 06/02/21 14:04 through 06/09/21 14:01.

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

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 <u>julie.swift@erg.com</u> and delete the report without retaining any copies.

NERG

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: 08/03/21 10:36

 SUBMITTED: 06/02/21 to 06/09/21

 AQS SITE CODE:

 SITE CODE:

 Cobb

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	LabNumber	<u>Matrix</u>	Sampled	<u>Received</u>
Cobb FB	1060241-01	Air	05/27/21 00:00	06/02/21 14:04
S2	1060241-02	Air	05/22/21 23:59	06/02/21 14:04
S3	1060241-03	Air	05/22/21 23:59	06/02/21 14:04
S1	1060325-01	Air	05/16/21 23:59	06/03/21 13:39
S1	1060325-02	Air	05/22/21 23:59	06/03/21 13:39
S2	1060325-03	Air	05/16/21 23:59	06/03/21 13:39
S3	1060325-04	Air	05/16/21 23:59	06/03/21 13:39
S4	1060325-05	Air	05/16/21 23:59	06/03/21 13:39
S4	1060325-06	Air	05/22/21 23:59	06/03/21 13:39
S7-SA	1060325-07	Air	05/22/21 23:59	06/03/21 13:39
S1	1060837-01	Air	06/03/21 23:59	06/08/21 12:31
S2	1060837-02	Air	06/03/21 23:59	06/08/21 12:31
S3	1060837-03	Air	05/28/21 23:59	06/08/21 12:31
S4	1060837-04	Air	06/03/21 23:59	06/08/21 12:31
S4-QA	1060837-05	Air	05/28/21 23:59	06/08/21 12:31
S1	1060925-01	Air	05/28/21 23:59	06/09/21 14:01
S2	1060925-02	Air	05/28/21 23:59	06/09/21 14:01
S3	1060925-03	Air	06/03/21 23:59	06/09/21 14:01
S4	1060925-04	Air	05/28/21 23:59	06/09/21 14:01

NERG CE	RTIFICATE OF ANALYSIS	
U.S. Environmental Protection Agency, Regio	n 4 FILE #: 4222.00	
4244 International Pkwy, Suite 120	REPORTED: 08/03/21 10:36	
Atlanta, GA 30354	SUBMITTED: 06/02/21 to 06/09/21	
ATTN: Ms. Jaime Gore	AQS SITE CODE:	
PHONE: (404) 362-4912 FAX: (919) 541-	SITE CODE: Cobb	
Description: Cobb FB	Lab ID: 1060241-01 Sampled	d: 05/27/21 00:00
Pressure @ Receipt: 29.50 "Hg	Canister #: 33506 Received	d: 06/02/21 14:04
Comments: Field Blank	Analyzed	d: 06/24/21 15:44
Air <u>Result</u> Analyte <u>ppbv</u> ug		

0.0219

ND

ND

U

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Ethylene oxide

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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3. 3, 3.			FILE #: 4222.00 REPORTED: 08/03/21 10:36			
						Atlanta, GA 30354
ATTN: Ms. Jaime Gore				AQS SITE COI	DE:	
PHONE: (404) 362-4912	FAX: (919) 541-0516			SITE CODE:	Cobb	
Description: S2		Lab ID:	1060241-02			Sampled: 05/22/21 23:59
Pressure @ Receipt: 5.50	" Hg	Canister #	: 19665			Received: 06/02/21 14:04
Comments:						Analyzed: 06/17/21 00:56
	Air Toxi	cs by EPA	Compend	ium Method	TO-15	
	<u>Results</u>		<u>MDL</u>			
<u>Analyte</u>	<u>ppbv</u> _ug/m³	<u>Flag</u>	<u>ppbv</u>			
Ethylene oxide	0.0707 0.13		0.0261			

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U.S. Environmental Protection	Agency, Region 4	FILE #: 42	222.00
4244 International Pkwy, Suite 120			D: 08/03/21 10:36
Atlanta, GA 30354		SUBMITTE	D: 06/02/21 to 06/09/21
ATTN: Ms. Jaime Gore		AQS SITE	CODE:
PHONE: (404) 362-4912 F	AX: (919) 541-0516	SITE CODE	E: Cobb
Description: S3	Lab ID:	1060241-03	Sampled: 05/22/21 23:59
Pressure @ Receipt: 5.00"	Hg Canister #	t: A21078	Received: 06/02/21 14:04
Comments:			Analyzed: 06/17/21 01:57
	Air Toxics by EPA	Compendium Meth	od TO-15
	<u>Results</u>	<u>MDL</u>	
<u>Analyte</u>	<u>ppbv ug/m³ Flag</u>	ppbv	
Ethylene oxide	0.545 0.98	0.0261	

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U.S. Environmental Protection	Agency, Region 4	FILE #: 4222.00	
4244 International Pkwy, Suite	e 120	REPORTED: 08/03/21 10:36	
Atlanta, GA 30354		SUBMITTED: 06/02/21 to 06/09/21	
ATTN: Ms. Jaime Gore		AQS SITE CODE:	
PHONE: (404) 362-4912 FA	AX: (919) 541-0516	SITE CODE: Cobb	
Description: S1	Lab ID: 106	0325-01 Sampled: 05/16/21 23:59	1
Pressure @ Receipt: 6.00"	Hg Canister #: 1	9654 Received: 06/03/21 13:39)
Comments:		Analyzed: 06/14/21 20:03	}
	Air Toxics by EPA Co	mpendium Method TO-15	
	<u>Results</u>	MDL	
<u>Analyte</u>	<u>ppbv_ug/m³Flag</u>	ppbv	
Ethylene oxide	0.119 0.22	0.0261	

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U.S. Environmental Protection	n Agency, Region 4	FILE #: 4222.00	FILE #: 4222.00		
4244 International Pkwy, Suit	e 120	REPORTED: 08/03/21	10:36		
Atlanta, GA 30354		SUBMITTED: 06/02/2	21 to 06/09/21		
ATTN: Ms. Jaime Gore		AQS SITE CODE:			
PHONE: (404) 362-4912 F	AX: (919) 541-0516	SITE CODE: Co	da		
Description: S1	Lab ID: 10	50325-02	Sampled: 05/22/21 23:59		
Pressure @ Receipt: 7.50"	Hg Canister #: 1	9294	Received: 06/03/21 13:39		
Comments:			Analyzed: 06/18/21 11:17		
	Air Toxics by EPA Co	mpendium Method TO-15			
	<u>Results</u>	MDL			
<u>Analyte</u>	<u>ppbv_ug/m³Flag</u>	ppbv			
Ethylene oxide	0.112 0.20	0.0261			

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U.S. Environmental Protection	Agency, Region 4	FILE #: 4222.00	
4244 International Pkwy, Suite	ə 120	REPORTED: 08/03/21 10:36	
Atlanta, GA 30354		SUBMITTED: 06/02/21 to 06/09/21	
ATTN: Ms. Jaime Gore		AQS SITE CODE:	
PHONE: (404) 362-4912 F	AX: (919) 541-0516	SITE CODE: Cobb	
Description: S2	Lab ID: 106	0325-03 Sampled: 05/16/21 23:5	59
Pressure @ Receipt: 4.50"	Hg Canister #: 19	Received: 06/03/21 13:3	39
Comments:		Analyzed: 06/14/21 21:0)4
		npendium Method TO-15	
Analista	<u>Results</u>	<u>MDL</u>	
<u>Analyte</u>	ppbv <u>ug/m³</u> Flag	ppbv	
Ethylene oxide	0.0564 0.10	0.0261	

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U.S. Environmental Protection	Agency, Region 4	FILE #: 4222.00	
4244 International Pkwy, Suite	e 120	REPORTED: 08/03/21 10:36	
Atlanta, GA 30354		SUBMITTED: 06/02/21 to 06/09/21	
ATTN: Ms. Jaime Gore		AQS SITE CODE:	
PHONE: (404) 362-4912	AX: (919) 541-0516	SITE CODE: Cobb	
Description: S3	Lab ID: 1060	325-04 Sampled: 05/16/21 23:59	
Pressure @ Receipt: 4.50"	Hg Canister #: A2	1017 Received: 06/03/21 13:39	
Comments:		Analyzed: 06/14/21 22:05	
	Air Toxics by EPA Con	pendium Method TO-15	
	<u>Results</u>	MDL	
<u>Analyte</u>	<u>ppbv_ug/m³Flag</u>	ppbv	
Ethylene oxide	0.519 0.94	0.0261	

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U.S. Environmental Protection	n Agency, Region 4		FILE #: 4222	.00	
4244 International Pkwy, Suite 120			REPORTED: 08/03/21 10:36		
Atlanta, GA 30354			SUBMITTED:	06/02/21 to 06/09/21	
ATTN: Ms. Jaime Gore			AQS SITE CO	DE:	
PHONE: (404) 362-4912 F	AX: (919) 541-0516		SITE CODE:	Cobb	
Description: S4	Lab	ID: 1060325-	05	Sampled: 05/16/21	23:59
Pressure @ Receipt: 7.00"	Hg Can	ister #: 19647		Received: 06/03/21	13:39
Comments:				Analyzed: 06/14/21	23:06
	Air Toxics b	y EPA Comper	dium Method	TO-15	
	<u>Results</u>	<u>MD</u>	L		
<u>Analyte</u>	<u>ppbv_ug/m³</u>	<u>Flag</u> <u>ppb</u>	<u>v</u>		
Ethylene oxide	0.0583 0.11	0.026	1		

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U.S. Environmental Protection	n Agency, Region 4	FILE #: 4222.00
4244 International Pkwy, Suite	e 120	REPORTED: 08/03/21 10:36
Atlanta, GA 30354		SUBMITTED: 06/02/21 to 06/09/21
ATTN: Ms. Jaime Gore		AQS SITE CODE:
PHONE: (404) 362-4912 FA	AX: (919) 541-0516	SITE CODE: Cobb
Description: S4	Lab ID: 1060	0325-06 Sampled: 05/22/21 23:59
Pressure @ Receipt: 6.50"	Hg Canister #: 19	295 Received: 06/03/21 13:39
Comments:		Analyzed: 06/18/21 09:15
	Air Toxics by EPA Cor	npendium Method TO-15
	<u>Results</u>	MDL
<u>Analyte</u>	<u>ppbv_ug/m³Flag</u>	<u>ppbv</u>
Ethylene oxide	0.0601 0.11	0.0261

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U.S. Environmental Protection	Agency, Region 4	FILE #: 4222.00
4244 International Pkwy, Suite	9 120	REPORTED: 08/03/21 10:36
Atlanta, GA 30354		SUBMITTED: 06/02/21 to 06/09/21
ATTN: Ms. Jaime Gore		AQS SITE CODE:
PHONE: (404) 362-4912 FA	AX: (919) 541-0516	SITE CODE: Cobb
Description: S7-SA	Lab ID: 1060	325-07 Sampled: 05/22/21 23:59
Pressure @ Receipt: 6.50"	Hg Canister #: 33	544 Received: 06/03/21 13:39
Comments:		Analyzed: 06/17/21 21:04
	Air Toxics by EPA Cor	npendium Method TO-15
	<u>Results</u>	MDL
<u>Analyte</u>	<u>ppbv_ug/m³Flag</u>	<u>ppbv</u>
Ethylene oxide	0.131 0.24	0.0261

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U.S. Environmental Protection	Agency, Region 4	FILE #: 4222.00	
4244 International Pkwy, Suite 120		REPORTED: 08/03/21 10:36	
Atlanta, GA 30354		SUBMITTED: 06/02/21 to 06/09/21	
ATTN: Ms. Jaime Gore		AQS SITE CODE:	
PHONE: (404) 362-4912 FA	X: (919) 541-0516	SITE CODE: Cobb	
Description: S1	Lab ID: 106	0837-01 Sampled: 06/03/2	L 23:59
Pressure @ Receipt: 7.00"	lg Canister #: 19	2281 Received: 06/08/2	1 12:31
Comments:		Analyzed: 06/21/2	1 20:33
	Air Toxics by EPA Co	npendium Method TO-15	
	<u>Results</u>	MDL	
<u>Analyte</u>	<u>ppbv_ug/m³Flag</u>	<u>ppbv</u>	
Ethylene oxide	0.124 0.22	0.0261	

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		FILE #: 4222.00 REPORTED: 08/03/21 10:36		
ATTN: Ms. Jaime Gore			AQS SITE CO	DE:
PHONE: (404) 362-4912 F	AX: (919) 541-0516		SITE CODE:	Cobb
Description: S2	Lab ID	: 1060837-02		Sampled: 06/03/21 23:59
Pressure @ Receipt: 6.00"	Hg Canist	er #: 110342		Received: 06/08/21 12:31
Comments:				Analyzed: 06/22/21 00:37
	Air Toxics by	EPA Compend	ium Method	TO-15
	<u>Results</u>	<u>MDL</u>		
<u>Analyte</u>	<u>ppbv ug/m³ </u>	lag ppbv		
Ethylene oxide	0.0570 0.10	0.0261		

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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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U.S. Environmental Protection	on Agency, Region 4		FILE #: 4222	2.00	
4244 International Pkwy, Suite 120		REPORTED:	REPORTED: 08/03/21 10:36		
Atlanta, GA 30354		SUBMITTED:	SUBMITTED: 06/02/21 to 06/09/21		
ATTN: Ms. Jaime Gore			AQS SITE CO	DDE:	
PHONE: (404) 362-4912	FAX: (919) 541-0516		SITE CODE:	Cobb	
Description: S3	L	ab ID: 106	0837-03	Sampled: 05/28/21 23:59	
Pressure @ Receipt: 6.00	" Hg 🛛 🕻	anister #: 1	9664	Received: 06/08/21 12:31	
Comments:				Analyzed: 06/24/21 18:48	\$
	Air Toxic	s by EPA Co	mpendium Method	I TO-15	
	<u>Results</u>		<u>MDL</u>		
<u>Analyte</u>	<u>ppbv</u> _ug/m³	<u>Flag</u>	<u>ppbv</u>		
Ethylene oxide	0.140 0.25		0.0219		

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U.S. Environmental Protection	Agency, Region 4	FILE #: 4222.00	
4244 International Pkwy, Suite 120		REPORTED: 08/03/21 10:36	
Atlanta, GA 30354		SUBMITTED: 06/02/21 to 06/09/21	
ATTN: Ms. Jaime Gore		AQS SITE CODE:	
PHONE: (404) 362-4912 FA	AX: (919) 541-0516	SITE CODE: Cobb	
Description: S4	Lab ID: 106	0837-04 Sampled: 06/03/21 2	3:59
Pressure @ Receipt: 8.00"	Hg Canister #: A	21089 Received: 06/08/21 1	2:31
Comments:		Analyzed: 06/21/21 2	2:35
	Air Toxics by EPA Co	mpendium Method TO-15	
	<u>Results</u>	MDL	
<u>Analyte</u>	<u>ppbv_ug/m³Flag</u>	ppbv	
Ethylene oxide	0.0677 0.12	0.0261	

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Page 16 of 24

U.S. Environmental Protection A	Agency, Region 4	FILE #: 4222	.00	
4244 International Pkwy, Suite	120	REPORTED: (08/03/21 10:36	
Atlanta, GA 30354		SUBMITTED:	06/02/21 to 06/09/21	
ATTN: Ms. Jaime Gore		AQS SITE CO	DE:	
PHONE: (404) 362-4912 FAX: (919) 541-0516		SITE CODE:	Cobb	
Description: S4-QA	Lab ID: 1060837-0	5	Sampled: 05/28/21 23:59	
Pressure @ Receipt: 7.00" He	g Canister #: A21104		Received: 06/08/21 12:31	
Comments:			Analyzed: 06/25/21 21:27	
Air Toxics by EPA Compendium Method TO-15				
	<u>Results</u> <u>MDL</u>			
<u>Analyte</u>	<u>ppbv ug/m³ Flag ppbv</u>			

0.0219

LK

0.138 0.25

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NERG

Ethylene oxide

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Page 17 of 24

U.S. Environmental Protection A	gency, Region 4	FILE #: 4222.00
4244 International Pkwy, Suite 1	20	REPORTED: 08/03/21 10:36
Atlanta, GA 30354		SUBMITTED: 06/02/21 to 06/09/21
ATTN: Ms. Jaime Gore		AQS SITE CODE:
PHONE: (404) 362-4912 FAX: (919) 541-0516		SITE CODE: Cobb
Description: S1	Lab ID: 1060925-	01 Sampled: 05/28/21 23:59
Pressure @ Receipt: 5.00" Hg	Canister #: A21073	Received: 06/09/21 14:01
Comments:		Analyzed: 06/25/21 05:00
	Air Toxics by EPA Compe	dium Method TO-15
	<u>Results</u> <u>MD</u>	-
Analyte	<u>ppbv ug/m³ Flag ppb</u>	<u> </u>

0.0219

LK

0.241 0.44

Eastern Research Group

NERG

Ethylene oxide

U.S. Environmental Protection Ag	jency, Region 4	FILE #: 4222.00		
4244 International Pkwy, Suite 12	20	REPORTED: 08/03/21 10:36		
Atlanta, GA 30354		SUBMITTED: 06/02/21 to 06/09/21		
ATTN: Ms. Jaime Gore		AQS SITE CODE:		
PHONE: (404) 362-4912 FAX: (919) 541-0516		SITE CODE: Cobb		
Description: S2	Lab ID: 1060925-02	Sampled: 05/28/21 23:59		
Pressure @ Receipt: 6.00" Hg	Canister #: 111211	Received: 06/09/21 14:01		
Comments:		Analyzed: 06/25/21 06:01		
Air Toxics by EPA Compendium Method TO-15				
	<u>Results</u> <u>MDL</u>			
Analyte	<u>ppbv ug/m³ Flag ppbv</u>			

0.0219

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NERG

Ethylene oxide

0.0603

0.11

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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U.S. Environmental Protection Agency, Region 4		FILE #: 4222.00		
4244 International Pkwy, Suite 1	20	REPORTED: 08/03/21 10:36		
Atlanta, GA 30354		SUBMITTED: 06/02/21 to 06/09/21		
ATTN: Ms. Jaime Gore	AQS SITE CODE:			
PHONE: (404) 362-4912 FAX: (919) 541-0516		SITE CODE: Cobb		
Description: S3	Lab ID: 1060925-03	Sampled: 06/03/21 23:59		
Pressure @ Receipt: 5.50" Hg	Canister #: A21002	Received: 06/09/21 14:01		
Comments:		Analyzed: 07/02/21 00:51		
Air Toxics by EPA Compendium Method TO-15				
	<u>Results</u> <u>MDL</u>			
Analyte	<u>ppbv ug/m³ Flag ppbv</u>			

0.0261

LK

0.481 0.87

Eastern Research Group

NERG

Ethylene oxide

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.

Page 20 of 24

U.S. Environmental Protection Ag	ency, Region 4	FILE #: 4222.00		
4244 International Pkwy, Suite 12	0	REPORTED: 08/03/21 10:36		
Atlanta, GA 30354		SUBMITTED: 06/02/21 to 06/09/21		
ATTN: Ms. Jaime Gore AQS SITE CODE:		AQS SITE CODE:		
PHONE: (404) 362-4912 FAX: (919) 541-0516		SITE CODE: Cobb		
Description: S4	Lab ID: 1060925-04	4 Sampled: 05/28/21 23:59		
Pressure @ Receipt: 6.00" Hg	Canister #: A21005	Received: 06/09/21 14:01		
Comments:		Analyzed: 06/25/21 19:24		
Air Toxics by EPA Compendium Method TO-15				
	<u>Results</u> <u>MDL</u>			
Analyte	<u>ppbv ug/m³ Flag ppbv</u>			

0.0219

LK

0.196 0.35

Eastern Research Group

NERG

Ethylene oxide

U.S. Environmental Protection Agency, Region 4

4244 International Pkwy, Suite 120

Atlanta, GA 30354

NERG

ATTN: Ms. Jaime Gore

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

FILE #: 4222.00 REPORTED: 08/03/21 10:36 SUBMITTED: 06/02/21 to 06/09/21 AQS SITE CODE:

SITE CODE: Cobb

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Air Toxics by EPA Compendium	n Method TO-15	- Quality Con	trol			
Batch B1F1007 - Summa Canister		Quality COI				
Blank (B1F1007-BLK1)	iτορ		Prepared: 06/10/21	Analyzed: 06/14/21		
Ethylene oxide	ND	ppbv		/		U
Batch B1F1507 - Summa Canister	r Prep					
Blank (B1F1507-BLK1)			Prepared: 06/15/21	Analyzed: 06/16/21		
Ethylene oxide	ND	ppbv		- , , -,		U
Batch B1F1706 - Summa Canister	r Prep					
Blank (B1F1706-BLK1)	- /-		Prepared & Analyzed	d: 06/17/21		
Ethylene oxide	ND	ppbv				U
Duplicate (B1F1706-DUP2)	Source:	1060325-07	Prepared: 05/22/21	Analyzed: 06/17/21		
Ethylene oxide	0.141	ppbv	0.13	7.33	25	
Batch B1F1806 - Summa Canister	r Prep					
Blank (B1F1806-BLK1)	,		Prepared: 06/18/21	Analyzed: 06/24/21		
Ethylene oxide	ND	ppbv	· · · ·	·		U
Batch B1F2107 - Summa Canister	r Prep					
Blank (B1F2107-BLK1)	,		Prepared & Analyzed	d: 06/21/21		
Ethylene oxide	ND	ppbv	, <u>,</u>			U
Batch B1F2503 - Summa Canister	r Prep					
Blank (B1F2503-BLK1)	,		Prepared & Analyzed	d: 06/25/21		
Ethylene oxide	ND	ppbv	, , ,			U
Duplicate (B1F2503-DUP1)	Source:	1060925-04	Prepared: 05/28/21	Analyzed: 06/25/21		
Ethylene oxide	0.217	ppbv	0.20	10.1	25	LK
Duplicate (B1F2503-DUP2)	Source:	1060837-05	Prepared: 05/28/21	Analyzed: 06/25/21		
Ethylene oxide	0.146	ppbv	0.14	4.93	25	LK
Batch B1G0110 - Summa Canister	r Prep					
Blank (B1G0110-BLK1)			Prepared & Analyzed	d: 07/01/21		
Ethylene oxide	ND	ppbv	, ,			U

NERG	CERTIFICATE OF ANAL
U.S. Environmental Protection Agency,	Region 4 FILE #:
4244 International Pkwy, Suite 120	REPOR
Atlanta, GA 30354	SUBMIT
ATTN: Ms. Jaime Gore	AQS SI
PHONE: (404) 362-4912 FAX: (919)	541-0516 SITE CO

FILE #: 4222.	.00				
REPORTED: 08/03/21 10:36					
SUBMITTED: 06/02/21 to 06/09/21					
AQS SITE CODE:					
SITE CODE:	Cobb				

Analyte	Result	Units	% Difference	Limit (%)	Notes
Air Toxics by EPA Compendiu	ım Method TO-15	5 - Quality Co	ntrol		
Sequence 2106035					
Calibration Check (2106035-CCV1)			Prepared: 06/10/21 Analyzed: 06/14/21		
Ethylene oxide	2.42	ppbv	-3.1	30.00	
Sequence 2106048					
Calibration Check (2106048-CCV1)			Prepared: 06/15/21 Analyzed: 06/16/21		
Ethylene oxide	2.49	ppbv	-0.3	30.00	
Sequence 2106053					
Calibration Check (2106053-CCV1)			Prepared & Analyzed: 06/17/21		
Ethylene oxide	2.49	ppbv	-0.4	30.00	
Sequence 2106062					
Calibration Check (2106062-C	bration Check (2106062-CCV1)		Prepared & Analyzed: 06/24/21		
Ethylene oxide	2.04	ppbv	-18.2	30.00	
Sequence 2106066					
Calibration Check (2106066-C	6-CCV1)		Prepared & Analyzed: 06/21/21		
Ethylene oxide	2.62	ppbv	4.9	30.00	
Sequence 2106076					
Calibration Check (2106076-C	n Check (2106076-CCV1)		Prepared & Analyzed: 06/25/21		
Ethylene oxide	2.06	ppbv	-17.5	30.00	
Sequence 2107004					
Calibration Check (2107004-C	CV1)		Prepared & Analyze	ed: 07/01/21	
Ethylene oxide	2.27	ppbv	-9.3	30.00	

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.

U.S. Environmental Protection Agency, Region 4

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Atlanta, GA 30354

NERG

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

FILE #: 4222.00 REPORTED: 08/03/21 10:36 SUBMITTED: 06/02/21 to 06/09/21 AQS SITE CODE: SITE CODE: Cobb

Notes and Definitions

U Under Detection Limit

- LK Analyte identified; Reported value may be biased high.
- ND Analyte NOT DETECTED
- NR Not Reported
- MDL Method Detection Limit
- RPD Relative Percent Difference

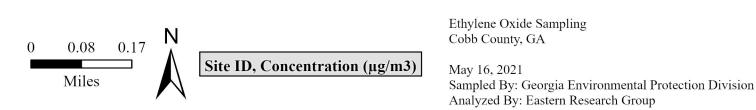
Note: This test is accredited under the 2016 TNI Standard; however the following analytes are not accredited: acetylene, bromodichloroethane, dichlorotetrafluoromethane, ethyl tert butyl ether, n-octane, tert amyl methyl ether, trichlorofluoroethane, and bromochloromethane.

Eastern Research Group

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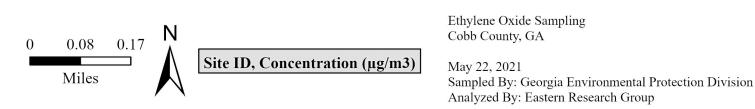
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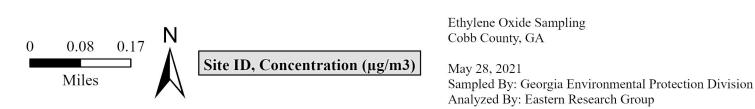




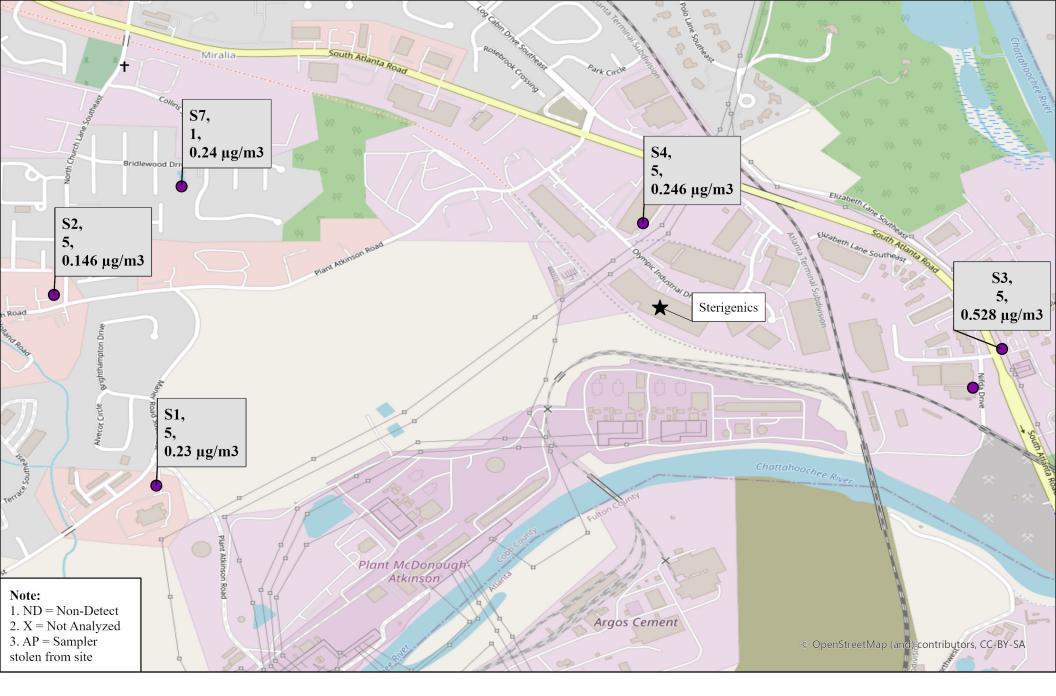








GEORGIA DEPARTMENT OF NATURAL RESOURCES





Ethylene Oxide Sampling Cobb County, GA

May 2021 Average Sampled By: Georgia Environmental Protection Division Analyzed By: Eastern Research Group





