



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

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

September 13, 2019

MEMORANDUM

To: Karen Hays, Air Branch Chief 

Through: Dika Kuoh, Assistant Branch Chief 

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: August 2019 Sampling Results for Ethylene Oxide

Three samples of Ethylene Oxide (EtO) were taken at our South DeKalb monitoring station in August 2019. These samples were collected on August 13 and August 16. The August 16 sample was a collocated (side by side) sample. These samples were sent to Eastern Research Group (ERG) for analysis. The results were received by EPD on September 5, 2019. All three (3) samples were reported to be below the laboratory detection limit of 0.0452 ug/m³.

DGO/do



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

September 05, 2019

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 08/22/19 10:10.

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 #: 4022.00
REPORTED: 09/05/19 11:32
SUBMITTED: 08/22/19
AQS SITE CODE:
SITE CODE: GA EtO

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
South Dekalb Primary	9082209-01	Air	08/16/19 23:59	08/22/19 10:10
South Dekalb Co-lo	9082209-02	Air	08/16/19 23:59	08/22/19 10:10
South Dekalb Primary	9082209-03	Air	08/13/19 23:59	08/22/19 10:10



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: 09/05/19 11:32
 SUBMITTED: 08/22/19
 AQS SITE CODE:
 SITE CODE: GA EtO

Description: South Dekalb Primary	Lab ID: 9082209-01	Sampled: 08/16/19 23:59
Pressure @ Receipt: 12.50 psig	Canister #: S/N00013	Received: 08/22/19 10:10
Comments: C1		Analyzed: 08/22/19 22:12

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	ND	ND	U	0.0250



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: 09/05/19 11:32
SUBMITTED: 08/22/19
AQS SITE CODE:
SITE CODE: GA EtO

Description: South Dekalb Co-lo	Lab ID: 9082209-02	Sampled: 08/16/19 23:59
Pressure @ Receipt: 14.50 psig	Canister #: S/N00012	Received: 08/22/19 10:10
Comments: C2		Analyzed: 08/22/19 23:48

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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: 09/05/19 11:32
 SUBMITTED: 08/22/19
 AQS SITE CODE:
 SITE CODE: GA EtO

Description: South Dekalb Primary **Lab ID:** 9082209-03 **Sampled:** 08/13/19 23:59
Pressure @ Receipt: 14.00 psig **Canister #:** 114308 **Received:** 08/22/19 10:10
Comments: **Analyzed:** 08/23/19 01:24

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	ND	ND	U	0.0250



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: 09/05/19 11:32
SUBMITTED: 08/22/19
AQS SITE CODE:
SITE CODE: GA EtO

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

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

Batch B9H2202 - Summa Canister Prep

Blank (B9H2202-BLK1)

Prepared: 08/19/19 Analyzed: 08/22/19

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

Duplicate (B9H2202-DUP1)

Source: 9082209-01

Prepared: 08/16/19 Analyzed: 08/22/19

Ethylene oxide	ND	ppbv	ND		25	U
----------------	----	------	----	--	----	---

Duplicate (B9H2202-DUP2)

Source: 9082209-02

Prepared: 08/16/19 Analyzed: 08/23/19

Ethylene oxide	ND	ppbv	ND		25	U
----------------	----	------	----	--	----	---



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: 09/05/19 11:32
SUBMITTED: 08/22/19
AQS SITE CODE:
SITE CODE: GA EtO

Analyte	Result	Units	% Difference	Limit (%)	Notes
---------	--------	-------	--------------	-----------	-------

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

Sequence 1908062

Calibration Check (1908062-CCV1)

Prepared & Analyzed: 08/22/19

Ethylene oxide	2.60	ppbv	4.1	30.00	
----------------	------	------	-----	-------	--



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: 09/05/19 11:32
SUBMITTED: 08/22/19
AQS SITE CODE:
SITE CODE: GA EtO

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.