

September 16, 2022

**MEMORANDUM**

To: Karen Hays, Air Branch Chief *KH*

Through: James Boylan, Assistant Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: General Coffee July 9 - July 27, 2021, Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected by the Ambient Monitoring Program at our General Coffee monitoring station July 9 - July 27, 2021. 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 Null code of "AF" was given to show that the sample was scheduled but not collected. Please note that ERG is now providing values for levels below the detection limit.

Location	Date	Qualifier	EtO Concentration (ug/m <sup>3</sup> )
General Coffee	07/09/2021		AF
General Coffee	07/15/2021	2	0.06
General Coffee	07/27/2021	2	0.11

If you have any questions, please let me know.

DGO/do



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

October 04, 2021

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

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 07/21/21 11:22 through 08/17/21 13:25.

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](mailto: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:** 10/04/21 14:11

**SUBMITTED:** 07/21/21 to 08/17/21

**AQS SITE CODE:**

**SITE CODE:** General Coffee

### ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
General Coffee	1072117-01	Air	07/15/21 23:59	07/21/21 11:22
General Coffee	1081725-01	Air	07/27/21 23:59	08/17/21 13:25



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AQS SITE CODE:

SITE CODE: General Coffee

Description: General Coffee

Lab ID: 1072117-01

Sampled: 07/15/21 23:59

Pressure @ Receipt: 20.75 psig

Canister #: 110342

Received: 07/21/21 11:22

Comments:

Analyzed: 07/26/21 21:22

### 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/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.0334	0.06		0.0261



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AQS SITE CODE:

SITE CODE: General Coffee

Description: General Coffee

Lab ID: 1081725-01

Sampled: 07/27/21 23:59

Pressure @ Receipt: 19.5 psig

Canister #: 18829

Received: 08/17/21 13:25

Comments:

Analyzed: 08/20/21 09:59

### 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/m<sup>3</sup></u>		<u>ppbv</u>
Ethylene oxide	0.0608	0.11		0.0261



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**SITE CODE:** General Coffee

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
<b>Air Toxics by EPA Compendium Method TO-15 - Quality Control</b>						
<i>Batch B1G2605 - Summa Canister Prep</i>						
<b>Blank (B1G2605-BLK1)</b>			Prepared & Analyzed: 07/26/21			
Ethylene oxide	ND	ppbv				U
<i>Batch B1H1907 - Summa Canister Prep</i>						
<b>Blank (B1H1907-BLK1)</b>			Prepared & Analyzed: 08/19/21			
Ethylene oxide	ND	ppbv				U
<b>Duplicate (B1H1907-DUP3)</b>			<b>Source: 1081725-01</b> Prepared: 07/27/21 Analyzed: 08/20/21			
Ethylene oxide	0.0571	ppbv	0.06	6.28	25	



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

#### *Sequence 2107075*

##### **Calibration Check (2107075-CCV1)**

Prepared & Analyzed: 07/26/21

Ethylene oxide	2.43	ppbv	-2.8	30.00
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#### *Sequence 2108059*

##### **Calibration Check (2108059-CCV1)**

Prepared & Analyzed: 08/19/21

Ethylene oxide	2.40	ppbv	-0.6	30.00
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### Notes and Definitions

U	Under Detection Limit
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.