

November 30, 2021

**MEMORANDUM**

To: Karen Hays, Air Branch Chief *KH*

Through: James Boylan, Assistant Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: General Coffee May 10, 2021, Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were collected by the Ambient Monitoring Program at our General Coffee monitoring station May 10, 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 Qualifier code of "LK" was given by ERG to indicate that the sample may be biased high. 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		5/10/2021		LK, 2		0.79

If you have any questions, please let me know.

DGO/do



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

July 09, 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 05/21/21 11:24.

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)

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](mailto: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:** 07/09/21 13:32  
**SUBMITTED:** 05/21/21  
**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	1052114-01	Air	05/10/21 23:59	05/21/21 11:24

<b>Description:</b> General Coffee	<b>Lab ID:</b> 1052114-01	<b>Sampled:</b> 05/10/21 23:59
<b>Pressure @ Receipt:</b> 11.75 psig	<b>Canister #:</b> SAT077	<b>Received:</b> 05/21/21 11:24
<b>Comments:</b>		<b>Analyzed:</b> 06/08/21 05:01

### 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	0.435	0.79	LK	0.0261



## 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:** 07/09/21 13:32  
**SUBMITTED:** 05/21/21  
**AQS SITE CODE:**  
**SITE CODE:** General Coffee

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

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

*Batch B1F0708 - Summa Canister Prep*

#### Blank (B1F0708-BLK1)

Prepared & Analyzed: 06/07/21

Ethylene oxide	ND	ppbv				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 #:** 4222.00  
**REPORTED:** 07/09/21 13:32  
**SUBMITTED:** 05/21/21  
**AQS SITE CODE:**  
**SITE CODE:** General Coffee

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

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

*Sequence 2106019*

#### Calibration Check (2106019-CCV1)

Prepared & Analyzed: 06/07/21

Ethylene oxide	2.30	ppbv	-8.1	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 #:** 4222.00  
**REPORTED:** 07/09/21 13:32  
**SUBMITTED:** 05/21/21  
**AQS SITE CODE:**  
**SITE CODE:** General Coffee

### Notes and Definitions

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