

April 8, 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 June 15- June 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 June 15- June 27, 2021. 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 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 ³)
General Coffee	06/15/2021		AF
General Coffee	06/17/2021		0.12
General Coffee	06/27/2021	LK, 2	0.32

If you have any questions, please let me know.

DGO/do



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

August 25, 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 06/24/21 12:06 through 07/01/21 11:09.

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 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: 08/25/21 12:26

SUBMITTED: 06/24/21 to 07/01/21

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	1062411-01	Air	06/17/21 23:59	06/24/21 12:06
General Coffee	1070111-01	Air	06/27/21 23:59	07/01/21 11:09



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: 08/25/21 12:26

SUBMITTED: 06/24/21 to 07/01/21

AQS SITE CODE:

SITE CODE: General Coffee

Description: General Coffee

Lab ID: 1062411-01

Sampled: 06/17/21 23:59

Pressure @ Receipt: 19 psig

Canister #: 9570

Received: 06/24/21 12:06

Comments:

Analyzed: 07/02/21 11:01

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/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0673	0.12		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: 08/25/21 12:26

SUBMITTED: 06/24/21 to 07/01/21

AQS SITE CODE:

SITE CODE: General Coffee

Description: General Coffee

Lab ID: 1070111-01

Sampled: 06/27/21 23:59

Pressure @ Receipt: 20.75 psig

Canister #: SAT109

Received: 07/01/21 11:09

Comments:

Analyzed: 07/21/21 03:02

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	0.177	0.32	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: 08/25/21 12:26
SUBMITTED: 06/24/21 to 07/01/21
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 B1G0110 - Summa Canister Prep

Blank (B1G0110-BLK1)

Prepared & Analyzed: 07/01/21

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

Batch B1G1308 - Summa Canister Prep

Blank (B1G1308-BLK1)

Prepared: 07/13/21 Analyzed: 07/20/21

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: 08/25/21 12:26
SUBMITTED: 06/24/21 to 07/01/21
AQS SITE CODE:
SITE CODE: General Coffee

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

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

Sequence 2107004

Calibration Check (2107004-CCV1)

Prepared & Analyzed: 07/01/21

Ethylene oxide	2.27	ppbv	-9.3	30.00
----------------	------	------	------	-------

Sequence 2107033

Calibration Check (2107033-CCV1)

Prepared & Analyzed: 07/20/21

Ethylene oxide	2.36	ppbv	-5.6	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: 08/25/21 12:26

SUBMITTED: 06/24/21 to 07/01/21

AQS SITE CODE:

SITE CODE: General Coffee

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.