

December 9, 2022

**MEMORANDUM**

To: Karen Hays, Air Branch Chief *KH*

Through: James Boylan, Assistant Branch Chief

From: DeAnna Oser, Ambient Monitoring Program Manager

RE: South DeKalb February 2022 Sampling Results for Ethylene Oxide

Samples of Ethylene Oxide (EtO) were taken at our South DeKalb monitoring station during the month of February 2022. Samples were collected on the pressurized ATEC system. The Qualifier codes of "1" and "6" were added to data because the pressurized system samplers used for collection had not been verified against an ethylene oxide standard prior to sampling. The Qualifier code of "SQ" indicates the analysis of the sample was above the method detection limit but below the practical quantification limit.

| Location             | Date       | Qualifier | EtO Concentration<br>( $\mu\text{g}/\text{m}^3$ ) |
|----------------------|------------|-----------|---|
| South DeKalb ATEC    | 02/04/2022 | 1, 6, SQ  | 0.08  |
| South DeKalb ATEC    | 02/10/2022 | 1, 6, SQ  | 0.10  |
| South DeKalb ATEC QA | 02/10/2022 | 1, 6      | 0.19  |
| South DeKalb ATEC    | 02/16/2022 | 1, 6, SQ  | 0.12  |
| South DeKalb ATEC    | 02/22/2022 | 1, 6, SQ  | 0.09  |
| South DeKalb ATEC    | 02/28/2022 | 1, 6, SQ  | 0.06  |

If you have any questions, please let me know.

DGO/do

**GEORGIA DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION**

5804 Peachtree Corners East, Norcross, GA 30092-3403  
(678) 248-7384

**LABORATORY REPORT**

|   |  |
|---|--|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354   | Date Collected: 2/4/2022<br>Time Collected: 0:00<br>Sample Collector: H. STREET<br>Canister Number: 114384<br>Canister Cleaned: 1/10/2022<br>Received By: HZ |
|   | Date Received: 2/8/2022<br>Time Received: 11:18 AM<br>Project: AIR<br>Reporting Date: 4/19/2022<br>Received Temperature: 21.6 °C                             |
| Sample ID: AK93263<br>Facility Name: SOUTH DEKALB<br>Site ID: 013-089-0002<br>Location ID: QCCAN<br>Location Descr: |  |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 194894</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.5710  | ppbV  |                 | KL       | 2/10/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0463  | ppbV  | SQ              | 0.0232   | KL        | 2/10/2022          |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 68.4615 | ug/m3 |                 | KL       | 2/10/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0835  | ug/m3 | SQ              | 0.0418   | KL        | 2/10/2022          |

COMMENTS: \$ETO received in the lab at 5 psi.

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
 ppb: parts per billion  
 org/L: organisms/liter

<: less than  
 MCL: Maximum Contaminant Level  
 RL: Reporting Limit  
 LSPC: result less than lower specification  
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 VIOL: Violation (result exceeds MCL)

**Laboratory Contacts:**

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**LABORATORY REPORT**

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|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/10/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type:<br>Received By: HZ    |
|   | Date Received: 2/24/2022<br>Time Received: 9:57 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 23.2 °C |
| Sample ID: AK94055<br>Facility Name: COBB S2-QA<br>Site ID: S2-QA<br>Location ID: QCCAN<br>Location Descr:        |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195107</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.3032  | ppbV  |                 | KL       | 2/25/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0949  | ppbV  | 0.0232          | KL       | 2/25/2022 |                    |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 66.5459 | ug/m3 |                 | KL       | 2/25/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1711  | ug/m3 | 0.0418          | KL       | 2/25/2022 |                    |

COMMENTS: \$ETO received in the lab at 3.5 in Hg.

ug/L: micrograms/liter  
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 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
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**LABORATORY REPORT**

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|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/22/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type:<br>Received By: HZ    |
|   | Date Received: 3/9/2022<br>Time Received: 11:19 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 20.1 °C |
| Sample ID: AK94056<br>Facility Name: COBB S7<br>Site ID: S7<br>Location ID:<br>Location Descr:                    |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195358</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.2374  | ppbV  |                 | KL       | 3/11/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0593  | ppbV  | SQ              | 0.0232   | KL        | 3/11/2022          |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 66.0752 | ug/m3 |                 | KL       | 3/11/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1069  | ug/m3 | SQ              | 0.0418   | KL        | 3/11/2022          |

COMMENTS: \$ETO received in the lab at 4.5 in Hg.

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|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/22/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type:<br>Received By: HZ    |
|   | Date Received: 3/9/2022<br>Time Received: 11:19 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 20.0 °C |
| Sample ID: AK94057<br>Facility Name: COVINGTON C3<br>Site ID: C3<br>Location ID:<br>Location Descr:               |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195358</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.6118  | ppbV  |                 | KL       | 3/11/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0774  | ppbV  | 0.0232          | KL       | 3/11/2022 |                    |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 68.7533 | ug/m3 |                 | KL       | 3/11/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1395  | ug/m3 | 0.0418          | KL       | 3/11/2022 |                    |

COMMENTS: \$ETO received in the lab at 6 in Hg.

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
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|---|--|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/16/2022<br>Time Collected: 0:00<br>Sample Collector: H. STREET<br>Canister Number: 110322<br>Canister Cleaned: 1/25/2022<br>Received By: HZ<br>Date Received: 2/21/2022<br>Time Received: 11:13 AM<br>Project: AIR<br>Reporting Date: 4/19/2022<br>Received Temperature: 19.7 °C |
| Sample ID: AK94059<br>Facility Name: SOUTH DEKALB<br>Site ID: 013-089-0002<br>Location ID:<br>Location Descr:     |  |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195060</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.0602  | ppbV  | 0.0001          | KL       | 2/23/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0672  | ppbV  | SQ 0.0232       | KL       | 2/23/2022 |                    |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 64.8077 | ug/m3 |                 | KL       | 2/23/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1211  | ug/m3 | SQ 0.0418       | KL       | 2/23/2022 |                    |

COMMENTS: \$ETO received in the lab at 5.4 psi.

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
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|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/22/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type:<br>Received By: HZ    |
|   | Date Received: 3/9/2022<br>Time Received: 11:19 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 20.0 °C |
| Sample ID: AK94060<br>Facility Name: COBB S6<br>Site ID: S6<br>Location ID:<br>Location Descr:                    |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|--------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |        |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195358</b> |                   |             |           |        |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.2754 | ppbV  |                 | KL       | 3/11/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0873 | ppbV  | 0.0232          | KL       | 3/11/2022 |                    |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |        |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 66.347 | ug/m3 |                 | KL       | 3/11/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1574 | ug/m3 | 0.0418          | KL       | 3/11/2022 |                    |

COMMENTS: \$ETO received in the lab at 5 in Hg.

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|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/21/2022<br>Time Collected: 0:00<br>Sample Collector: J.BRYANT<br>Chlorination:<br>Sample Type: T<br>Received By: HZ   |
|   | Date Received: 3/9/2022<br>Time Received: 11:19 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 20.2 °C |
| Sample ID: AK94061<br>Facility Name: COBB S2 S6 S7 FB<br>Site ID: S2<br>Location ID:<br>Location Descr:           |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195358</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.6905  | ppbV  |                 | KL       | 3/11/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0       | ppbV  | ND              | 0.0232   | KL        | 3/11/2022          |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 69.3163 | ug/m3 |                 | KL       | 3/11/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0       | ug/m3 | ND              | 0.0418   | KL        | 3/11/2022          |

COMMENTS: \$ETO received in the lab at 29 in Hg.

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|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/22/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type:<br>Received By: HZ    |
|   | Date Received: 3/9/2022<br>Time Received: 11:19 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 20.0 °C |
| Sample ID: AK94062<br>Facility Name: COBB S2<br>Site ID: S2<br>Location ID:<br>Location Descr:                    |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195358</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.1582  | ppbV  |                 | KL       | 3/11/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0601  | ppbV  | SQ              | 0.0232   | KL        | 3/11/2022          |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 65.5087 | ug/m3 |                 | KL       | 3/11/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1083  | ug/m3 | SQ              | 0.0418   | KL        | 3/11/2022          |

COMMENTS: \$ETO received in the lab at 4 in Hg.

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 mg/kg: milligrams/kilogram  
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|   |   |
|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/10/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type:<br>Received By: HZ    |
|   | Date Received: 2/24/2022<br>Time Received: 9:57 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 23.4 °C |
| Sample ID: AK94063<br>Facility Name: COBB S2<br>Site ID: S2<br>Location ID: QCCAN<br>Location Descr:              |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195107</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.6078  | ppbV  |                 | KL       | 2/25/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0770  | ppbV  | 0.0232          | KL       | 2/25/2022 |                    |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 68.7247 | ug/m3 |                 | KL       | 2/25/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1388  | ug/m3 | 0.0418          | KL       | 2/25/2022 |                    |

COMMENTS: \$ETO received in the lab at 3 in Hg.

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
 ppb: parts per billion  
 org/L: organisms/liter

<: less than  
 MCL: Maximum Contaminant Level  
 RL: Reporting Limit  
 LSPC: result less than lower specification  
 USPC: result greater than upper specification  
 TIE: Tentatively Identified or Estimated  
 VIOL: Violation (result exceeds MCL)

**Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577  
 Inorganics: Carmen Pyles 470-524-0629  
 Metals: Shene Jones 470-524-0544  
 Organics: Mary Bowman 470-524-0639  
 GC Mass Spec: Ralph Schulz 470-524-0684  
 Microbiology: Mary Bowman 470-524-0709

**GEORGIA DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION**

5804 Peachtree Corners East, Norcross, GA 30092-3403  
(678) 248-7384

**LABORATORY REPORT**

|   |   |
|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354       | Date Collected: 2/10/2022<br>Time Collected: 0:00<br>Sample Collector: C. KNOX<br>Chlorination:<br>Sample Type:<br>Received By: HZ      |
|   | Date Received: 2/17/2022<br>Time Received: 7:59 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 23.5 °C |
| Sample ID: AK94064<br>Facility Name: DOUGLAS GENERAL COFFEE<br>Site ID: 013-069-0002<br>Location ID:<br>Location Descr: |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 194988</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.7272  | ppbV  |                 | KL       | 2/17/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0330  | ppbV  | SQ 2            | 0.0232   | KL        | 2/17/2022          |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 69.5788 | ug/m3 |                 | KL       | 2/17/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0595  | ug/m3 | SQ 2            | 0.0418   | KL        | 2/17/2022          |

COMMENTS: \$ETO received in the lab at 24 psi. Pressure difference of >0.5 psi between receipt from field and receipt in lab.

|   |  |  |
|---|--|--|
| ug/L: micrograms/liter<br>mg/L: milligrams/liter<br>mg/kg: milligrams/kilogram<br>ug/kg: micrograms/kilogram<br>ug/g: micrograms/gram<br>ppm: parts per million<br>ppb: parts per billion<br>org/L: organisms/liter | <: less than<br>MCL: Maximum Contaminant Level<br>RL: Reporting Limit<br>LSPC: result less than lower specification<br>USPC: result greater than upper specification<br>TIE: Tentatively Identified or Estimated<br>VIOL: Violation (result exceeds MCL) | <b>Laboratory Contacts:</b><br>Lab Director: Mark Tolbert 470-524-0577<br>Inorganics: Carmen Pyles 470-524-0629<br>Metals: Shene Jones 470-524-0544<br>Organics: Mary Bowman 470-524-0639<br>GC Mass Spec: Ralph Schulz 470-524-0684<br>Microbiology: Mary Bowman 470-524-0709 |
|---|--|--|

**GEORGIA DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION**

5804 Peachtree Corners East, Norcross, GA 30092-3403  
(678) 248-7384

**LABORATORY REPORT**

|   |   |
|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/10/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type:<br>Received By: HZ    |
|   | Date Received: 2/24/2022<br>Time Received: 9:57 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 23.1 °C |
| Sample ID: AK94065<br>Facility Name: COVINGTON C2-QA<br>Site ID: C2-QA<br>Location ID:<br>Location Descr:         |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195107</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.6220  | ppbV  |                 | KL       | 2/25/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1061  | ppbV  | 0.0232          | KL       | 2/25/2022 |                    |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 68.8263 | ug/m3 |                 | KL       | 2/25/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1913  | ug/m3 | 0.0418          | KL       | 2/25/2022 |                    |

COMMENTS: \$ETO received in the lab at 8 in Hg.

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
 ppb: parts per billion  
 org/L: organisms/liter

<: less than  
 MCL: Maximum Contaminant Level  
 RL: Reporting Limit  
 LSPC: result less than lower specification  
 USPC: result greater than upper specification  
 TIE: Tentatively Identified or Estimated  
 VIOL: Violation (result exceeds MCL)

**Laboratory Contacts:**

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 Metals: Shene Jones 470-524-0544  
 Organics: Mary Bowman 470-524-0639  
 GC Mass Spec: Ralph Schulz 470-524-0684  
 Microbiology: Mary Bowman 470-524-0709

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ENVIRONMENTAL PROTECTION DIVISION**

5804 Peachtree Corners East, Norcross, GA 30092-3403  
(678) 248-7384

**LABORATORY REPORT**

|   |   |
|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/10/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type:<br>Received By: HZ    |
|   | Date Received: 2/24/2022<br>Time Received: 9:57 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 23.2 °C |
| Sample ID: AK94066<br>Facility Name: FULTON F2<br>Site ID: F2<br>Location ID:<br>Location Descr:                  |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195107</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.5899  | ppbV  |                 | KL       | 2/25/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1017  | ppbV  | 0.0232          | KL       | 2/25/2022 |                    |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 68.5967 | ug/m3 |                 | KL       | 2/25/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1833  | ug/m3 | 0.0418          | KL       | 2/25/2022 |                    |

COMMENTS: \$ETO received in the lab at 4 in Hg.

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
 ppb: parts per billion  
 org/L: organisms/liter

<: less than  
 MCL: Maximum Contaminant Level  
 RL: Reporting Limit  
 LSPC: result less than lower specification  
 USPC: result greater than upper specification  
 TIE: Tentatively Identified or Estimated  
 VIOL: Violation (result exceeds MCL)

**Laboratory Contacts:**

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 Metals: Shene Jones 470-524-0544  
 Organics: Mary Bowman 470-524-0639  
 GC Mass Spec: Ralph Schulz 470-524-0684  
 Microbiology: Mary Bowman 470-524-0709

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ENVIRONMENTAL PROTECTION DIVISION**

5804 Peachtree Corners East, Norcross, GA 30092-3403  
(678) 248-7384

**LABORATORY REPORT**

|   |   |
|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/10/2022<br>Time Collected: 0:00<br>Sample Collector: H. STREET<br>Canister Number: 114320<br>Canister Cleaned: 1/25/2022<br>Received By: HZ |
|   | Date Received: 2/14/2022<br>Time Received: 11:07 AM<br>Project: AIR<br>Reporting Date: 4/19/2022<br>Received Temperature: 19.9 °C                             |
| Sample ID: AK94067<br>Facility Name: south dekalb<br>Site ID: 013-089-0002<br>Location ID:<br>Location Descr:     |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 194988</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.5962  | ppbV  |                 | KL       | 2/16/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0546  | ppbV  | SQ              | 0.0232   | KL        | 2/16/2022          |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 68.6417 | ug/m3 |                 | KL       | 2/16/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0984  | ug/m3 | SQ              | 0.0418   | KL        | 2/16/2022          |

COMMENTS: \$ETO received in the lab at 5.4 psi.

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
 ppb: parts per billion  
 org/L: organisms/liter

<: less than  
 MCL: Maximum Contaminant Level  
 RL: Reporting Limit  
 LSPC: result less than lower specification  
 USPC: result greater than upper specification  
 TIE: Tentatively Identified or Estimated  
 VIOL: Violation (result exceeds MCL)

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 GC Mass Spec: Ralph Schulz 470-524-0684  
 Microbiology: Mary Bowman 470-524-0709

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ENVIRONMENTAL PROTECTION DIVISION**

5804 Peachtree Corners East, Norcross, GA 30092-3403  
(678) 248-7384

**LABORATORY REPORT**

|   |   |
|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/10/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type:<br>Received By: HZ    |
|   | Date Received: 2/24/2022<br>Time Received: 9:57 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 23.1 °C |
| Sample ID: AK94068<br>Facility Name: FULTON F2-QA<br>Site ID: F2-QA<br>Location ID:<br>Location Descr:            |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|--------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |        |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195107</b> |                   |             |           |        |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.6920 | ppbV  |                 | KL       | 2/25/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0880 | ppbV  | 0.0232          | KL       | 2/25/2022 |                    |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |        |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 69.327 | ug/m3 |                 | KL       | 2/25/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1586 | ug/m3 | 0.0418          | KL       | 2/25/2022 |                    |

COMMENTS: \$ETO received in the lab at 8 in Hg.

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
 ppb: parts per billion  
 org/L: organisms/liter

<: less than  
 MCL: Maximum Contaminant Level  
 RL: Reporting Limit  
 LSPC: result less than lower specification  
 USPC: result greater than upper specification  
 TIE: Tentatively Identified or Estimated  
 VIOL: Violation (result exceeds MCL)

**Laboratory Contacts:**

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 Metals: Shene Jones 470-524-0544  
 Organics: Mary Bowman 470-524-0639  
 GC Mass Spec: Ralph Schulz 470-524-0684  
 Microbiology: Mary Bowman 470-524-0709

**GEORGIA DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION**

5804 Peachtree Corners East, Norcross, GA 30092-3403  
(678) 248-7384

**LABORATORY REPORT**

|   |   |
|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/10/2022<br>Time Collected: 0:00<br>Sample Collector: H. STREET<br>Canister Number: 114310<br>Canister Cleaned: 1/25/2022<br>Received By: HZ |
|   | Date Received: 2/14/2022<br>Time Received: 11:07 AM<br>Project: AIR<br>Reporting Date: 4/19/2022<br>Received Temperature: 20.1 °C                             |
| Sample ID: AK94069<br>Facility Name: SOUTH DEKALB QA<br>Site ID: 013-089-0002<br>Location ID:<br>Location Descr:  |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 194988</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.9450  | ppbV  |                 | KL       | 2/16/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1029  | ppbV  | 0.0232          | KL       | 2/16/2022 |                    |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 71.1367 | ug/m3 |                 | KL       | 2/16/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1855  | ug/m3 | 0.0418          | KL       | 2/16/2022 |                    |
| <b>ETO NATTS QA Replicate Precision</b>        |                   |             |           |         |       |                 |          |           |                    |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 13.2    | %RPD  |                 | KL       | 2/17/2022 | 25                 |
| <b>ETO QA Replicate Result</b>                 |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.7777  | ppbV  |                 | KL       | 2/16/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1174  | ppbV  |                 | KL       | 2/16/2022 |                    |

COMMENTS: \$ETO received in the lab at 5 psi.

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
 ppb: parts per billion  
 org/L: organisms/liter

<: less than  
 MCL: Maximum Contaminant Level  
 RL: Reporting Limit  
 LSPC: result less than lower specification  
 USPC: result greater than upper specification  
 TIE: Tentatively Identified or Estimated  
 VIOL: Violation (result exceeds MCL)

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**LABORATORY REPORT**

|   |   |
|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/10/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type:<br>Received By: HZ    |
|   | Date Received: 2/24/2022<br>Time Received: 9:57 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 23.2 °C |
| Sample ID: AK94070<br>Facility Name: COVINGTON C2<br>Site ID: C2<br>Location ID:<br>Location Descr:               |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195107</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.5048  | ppbV  |                 | KL       | 2/25/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1192  | ppbV  | 0.0232          | KL       | 2/25/2022 |                    |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 67.9879 | ug/m3 |                 | KL       | 2/25/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.2149  | ug/m3 | 0.0418          | KL       | 2/25/2022 |                    |

COMMENTS: \$ETO received in the lab at 5.5 in Hg.

|   |  |  |
|---|--|--|
| ug/L: micrograms/liter<br>mg/L: milligrams/liter<br>mg/kg: milligrams/kilogram<br>ug/kg: micrograms/kilogram<br>ug/g: micrograms/gram<br>ppm: parts per million<br>ppb: parts per billion<br>org/L: organisms/liter | <: less than<br>MCL: Maximum Contaminant Level<br>RL: Reporting Limit<br>LSPC: result less than lower specification<br>USPC: result greater than upper specification<br>TIE: Tentatively Identified or Estimated<br>VIOL: Violation (result exceeds MCL) | <b>Laboratory Contacts:</b><br>Lab Director: Mark Tolbert 470-524-0577<br>Inorganics: Carmen Pyles 470-524-0629<br>Metals: Shene Jones 470-524-0544<br>Organics: Mary Bowman 470-524-0639<br>GC Mass Spec: Ralph Schulz 470-524-0684<br>Microbiology: Mary Bowman 470-524-0709 |
|---|--|--|

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(678) 248-7384

**LABORATORY REPORT**

|   |   |
|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/21/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type: T<br>Received By: HZ  |
|   | Date Received: 3/9/2022<br>Time Received: 11:19 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 20.1 °C |
| Sample ID: AK94709<br>Facility Name: COVINGTON C2 C3 FB<br>Site ID: C2<br>Location ID: QCCAN<br>Location Descr:   |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195358</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.7233  | ppbV  |                 | KL       | 3/11/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0       | ppbV  | ND              | 0.0232   | KL        | 3/11/2022          |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 69.5509 | ug/m3 |                 | KL       | 3/11/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0       | ug/m3 | ND              | 0.0418   | KL        | 3/11/2022          |

COMMENTS: \$ETO received in the lab at 29 in Hg.

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
 ppb: parts per billion  
 org/L: organisms/liter

<: less than  
 MCL: Maximum Contaminant Level  
 RL: Reporting Limit  
 LSPC: result less than lower specification  
 USPC: result greater than upper specification  
 TIE: Tentatively Identified or Estimated  
 VIOL: Violation (result exceeds MCL)

**Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577  
 Inorganics: Carmen Pyles 470-524-0629  
 Metals: Shene Jones 470-524-0544  
 Organics: Mary Bowman 470-524-0639  
 GC Mass Spec: Ralph Schulz 470-524-0684  
 Microbiology: Mary Bowman 470-524-0709

**GEORGIA DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION**

5804 Peachtree Corners East, Norcross, GA 30092-3403  
(678) 248-7384

**LABORATORY REPORT**

|   |  |
|---|--|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/28/2022<br>Time Collected: 0:00<br>Sample Collector: H. STREET<br>Canister Number: 114368<br>Canister Cleaned: 2/7/2022<br>Received By: HZ |
|   | Date Received: 3/2/2022<br>Time Received: 11:51 AM<br>Project: AIR<br>Reporting Date: 4/19/2022<br>Received Temperature: 21.0 °C                             |
| Sample ID: AK94710<br>Facility Name: SOUTH DEKALB<br>Site ID: 013-089-0002<br>Location ID:<br>Location Descr:     |  |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT | UNITS | QUALIFIER<br>RL | ANALYSIS |          | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|--------|-------|-----------------|----------|----------|--------------------|
|  |                   |             |           |        |       |                 | ANALYST  | DATE     |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195187</b> |                   |             |           |        |       |                 |          |          |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 8.8325 | ppbV  |                 | KL       | 3/3/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0314 | ppbV  | SQ              | 0.0232   | KL       | 3/3/2022           |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |        |       |                 |          |          |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 63.179 | ug/m3 |                 | KL       | 3/3/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0566 | ug/m3 | SQ              | 0.0418   | KL       | 3/3/2022           |

COMMENTS: \$ETO received in the lab at 5.4 psi.

|   |  |  |
|---|--|--|
| ug/L: micrograms/liter<br>mg/L: milligrams/liter<br>mg/kg: milligrams/kilogram<br>ug/kg: micrograms/kilogram<br>ug/g: micrograms/gram<br>ppm: parts per million<br>ppb: parts per billion<br>org/L: organisms/liter | <: less than<br>MCL: Maximum Contaminant Level<br>RL: Reporting Limit<br>LSPC: result less than lower specification<br>USPC: result greater than upper specification<br>TIE: Tentatively Identified or Estimated<br>VIOL: Violation (result exceeds MCL) | <b>Laboratory Contacts:</b><br>Lab Director: Mark Tolbert 470-524-0577<br>Inorganics: Carmen Pyles 470-524-0629<br>Metals: Shene Jones 470-524-0544<br>Organics: Mary Bowman 470-524-0639<br>GC Mass Spec: Ralph Schulz 470-524-0684<br>Microbiology: Mary Bowman 470-524-0709 |
|---|--|--|

**GEORGIA DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION**

5804 Peachtree Corners East, Norcross, GA 30092-3403  
(678) 248-7384

**LABORATORY REPORT**

|   |   |
|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/22/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type:<br>Received By: HZ    |
|   | Date Received: 3/9/2022<br>Time Received: 11:19 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 20.1 °C |
| Sample ID: AK94711<br>Facility Name: FULTON F2<br>Site ID: F2<br>Location ID:<br>Location Descr:                  |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195358</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.1084  | ppbV  |                 | KL       | 3/11/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.2281  | ppbV  | 0.0232          | KL       | 3/11/2022 |                    |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 65.1525 | ug/m3 |                 | KL       | 3/11/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.4112  | ug/m3 | 0.0418          | KL       | 3/11/2022 |                    |

COMMENTS: \$ETO received in the lab at 4.5 in Hg.

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
 ppb: parts per billion  
 org/L: organisms/liter

<: less than  
 MCL: Maximum Contaminant Level  
 RL: Reporting Limit  
 LSPC: result less than lower specification  
 USPC: result greater than upper specification  
 TIE: Tentatively Identified or Estimated  
 VIOL: Violation (result exceeds MCL)

**Laboratory Contacts:**

Lab Director: Mark Tolbert 470-524-0577  
 Inorganics: Carmen Pyles 470-524-0629  
 Metals: Shene Jones 470-524-0544  
 Organics: Mary Bowman 470-524-0639  
 GC Mass Spec: Ralph Schulz 470-524-0684  
 Microbiology: Mary Bowman 470-524-0709

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5804 Peachtree Corners East, Norcross, GA 30092-3403  
(678) 248-7384

**LABORATORY REPORT**

|   |  |
|---|--|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354         | Date Collected: 2/22/2022<br>Time Collected: 0:00<br>Sample Collector: C. CULBERT KNOX<br>Chlorination:<br>Sample Type:<br>Received By: HZ |
|   | Date Received: 3/3/2022<br>Time Received: 9:03 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 21.2 °C     |
| Sample ID: AK94716<br>Facility Name: DOUGLAS - GENERAL COFFEE<br>Site ID: 013-069-0002<br>Location ID:<br>Location Descr: |  |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |          | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE     |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195187</b> |                   |             |           |         |       |                 |          |          |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.8516  | ppbV  |                 | KL       | 3/3/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0347  | ppbV  | SQ 2            | 0.0232   | KL       | 3/3/2022           |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |          |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 70.4686 | ug/m3 |                 | KL       | 3/3/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0625  | ug/m3 | SQ 2            | 0.0418   | KL       | 3/3/2022           |

COMMENTS: \$ETO received in the lab at 22.4 psi. Pressure difference of >0.5 psi between receipt from field and receipt in lab.

|   |  |  |
|---|--|--|
| ug/L: micrograms/liter<br>mg/L: milligrams/liter<br>mg/kg: milligrams/kilogram<br>ug/kg: micrograms/kilogram<br>ug/g: micrograms/gram<br>ppm: parts per million<br>ppb: parts per billion<br>org/L: organisms/liter | <: less than<br>MCL: Maximum Contaminant Level<br>RL: Reporting Limit<br>LSPC: result less than lower specification<br>USPC: result greater than upper specification<br>TIE: Tentatively Identified or Estimated<br>VIOL: Violation (result exceeds MCL) | <b>Laboratory Contacts:</b><br>Lab Director: Mark Tolbert 470-524-0577<br>Inorganics: Carmen Pyles 470-524-0629<br>Metals: Shene Jones 470-524-0544<br>Organics: Mary Bowman 470-524-0639<br>GC Mass Spec: Ralph Schulz 470-524-0684<br>Microbiology: Mary Bowman 470-524-0709 |
|---|--|--|

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5804 Peachtree Corners East, Norcross, GA 30092-3403  
(678) 248-7384

**LABORATORY REPORT**

|   |   |
|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/22/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type:<br>Received By: HZ    |
|   | Date Received: 3/9/2022<br>Time Received: 11:19 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 20.0 °C |
| Sample ID: AK94717<br>Facility Name: COVINGTON C2<br>Site ID: C2<br>Location ID: QCCAN<br>Location Descr:         |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195358</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.6677  | ppbV  |                 | KL       | 3/11/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0901  | ppbV  | 0.0232          | KL       | 3/11/2022 |                    |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 69.1532 | ug/m3 |                 | KL       | 3/11/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1624  | ug/m3 | 0.0418          | KL       | 3/11/2022 |                    |

COMMENTS: \$ETO received in the lab at 7 in Hg.

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
 ppb: parts per billion  
 org/L: organisms/liter

<: less than  
 MCL: Maximum Contaminant Level  
 RL: Reporting Limit  
 LSPC: result less than lower specification  
 USPC: result greater than upper specification  
 TIE: Tentatively Identified or Estimated  
 VIOL: Violation (result exceeds MCL)

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**LABORATORY REPORT**

|   |   |
|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/21/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type:<br>Received By: HZ    |
|   | Date Received: 3/9/2022<br>Time Received: 11:19 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 20.2 °C |
| Sample ID: AK94718<br>Facility Name: FULTON F1 F2 FB<br>Site ID: F1<br>Location ID:<br>Location Descr:            |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195358</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.6734  | ppbV  |                 | KL       | 3/11/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0       | ppbV  | ND              | 0.0232   | KL        | 3/11/2022          |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 69.1939 | ug/m3 |                 | KL       | 3/11/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0       | ug/m3 | ND              | 0.0418   | KL        | 3/11/2022          |

COMMENTS: \$ETO received in the lab at 29 in Hg.

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
 ppb: parts per billion  
 org/L: organisms/liter

<: less than  
 MCL: Maximum Contaminant Level  
 RL: Reporting Limit  
 LSPC: result less than lower specification  
 USPC: result greater than upper specification  
 TIE: Tentatively Identified or Estimated  
 VIOL: Violation (result exceeds MCL)

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**LABORATORY REPORT**

|   |   |
|---|---|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/22/2022<br>Time Collected: 0:00<br>Sample Collector: J. BRYANT<br>Chlorination:<br>Sample Type:<br>Received By: HZ    |
|   | Date Received: 3/9/2022<br>Time Received: 11:19 AM<br>Project: DATA STUDY<br>Reporting Date: 4/19/2022<br>Received Temperature: 20.0 °C |
| Sample ID: AK94721<br>Facility Name: FULTON F1<br>Site ID: F1<br>Location ID:<br>Location Descr:                  |   |

| ANALYTE  | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|--|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|  |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195358</b> |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 9.7287  | ppbV  |                 | KL       | 3/11/2022 | 8 to 12            |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.0558  | ppbV  | SQ              | 0.0232   | KL        | 3/11/2022          |
| <b>ETO Results by EPA Method TO-15</b>         |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)          |                   |             | EPA TO-15 | 69.5895 | ug/m3 |                 | KL       | 3/11/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                 |                   |             | EPA TO-15 | 0.1006  | ug/m3 | SQ              | 0.0418   | KL        | 3/11/2022          |

COMMENTS: \$ETO received in the lab at 9.5 in Hg.

ug/L: micrograms/liter  
 mg/L: milligrams/liter  
 mg/kg: milligrams/kilogram  
 ug/kg: micrograms/kilogram  
 ug/g: micrograms/gram  
 ppm: parts per million  
 ppb: parts per billion  
 org/L: organisms/liter

<: less than  
 MCL: Maximum Contaminant Level  
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 USPC: result greater than upper specification  
 TIE: Tentatively Identified or Estimated  
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**LABORATORY REPORT**

|   |  |
|---|--|
| TO: Ga EPD Air Program<br>EPD Air Prot Ambient Monitoring<br>4244 International Pkwy Ste 120<br>Atlanta, GA 30354 | Date Collected: 2/22/2022<br>Time Collected: 0:00<br>Sample Collector: H. STREET<br>Canister Number: 114351<br>Canister Cleaned: 2/7/2022<br>Received By: HZ<br>Date Received: 2/24/2022<br>Time Received: 9:57 AM<br>Project: AIR<br>Reporting Date: 4/19/2022<br>Received Temperature: 23.1 °C |
| Sample ID: AK94724<br>Facility Name: SOUTH DEKALB<br>Site ID: 013-089-0002<br>Location ID:<br>Location Descr:     |  |

| ANALYTE   | PARAMETER<br>CODE | EPA<br>NOTE | METHOD    | RESULT  | UNITS | QUALIFIER<br>RL | ANALYSIS |           | MCL or<br>QC Range |
|---|-------------------|-------------|-----------|---------|-------|-----------------|----------|-----------|--------------------|
|   |                   |             |           |         |       |                 | ANALYST  | DATE      |                    |
| <b>ETO by EPA Method TO-15 QC Batch 195107</b>  |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)           |                   |             | EPA TO-15 | 9.3154  | ppbV  |                 | KL       | 2/25/2022 | 8 to 12            |
| Ethylene Oxide                                  |                   |             | EPA TO-15 | 0.0495  | ppbV  | SQ              | 0.0232   | KL        | 2/25/2022          |
| <b>ETO Results by EPA Method TO-15</b>          |                   |             |           |         |       |                 |          |           |                    |
| Bromofluorobenzene(Surrogate QC Std.)           |                   |             | EPA TO-15 | 66.6332 | ug/m3 |                 | KL       | 2/25/2022 | 57.22 to 85.84     |
| Ethylene Oxide                                  |                   |             | EPA TO-15 | 0.0892  | ug/m3 | SQ              | 0.0418   | KL        | 2/25/2022          |
| COMMENTS: \$ETO received in the lab at 5.2 psi. |                   |             |           |         |       |                 |          |           |                    |

|   |  |  |
|---|--|--|
| ug/L: micrograms/liter<br>mg/L: milligrams/liter<br>mg/kg: milligrams/kilogram<br>ug/kg: micrograms/kilogram<br>ug/g: micrograms/gram<br>ppm: parts per million<br>ppb: parts per billion<br>org/L: organisms/liter | <: less than<br>MCL: Maximum Contaminant Level<br>RL: Reporting Limit<br>LSPC: result less than lower specification<br>USPC: result greater than upper specification<br>TIE: Tentatively Identified or Estimated<br>VIOL: Violation (result exceeds MCL) | <b>Laboratory Contacts:</b><br>Lab Director: Mark Tolbert 470-524-0577<br>Inorganics: Carmen Pyles 470-524-0629<br>Metals: Shene Jones 470-524-0544<br>Organics: Mary Bowman 470-524-0639<br>GC Mass Spec: Ralph Schulz 470-524-0684<br>Microbiology: Mary Bowman 470-524-0709 |
|---|--|--|