

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

December 10, 2019

Mr. Benjamin Chandler GHD Services Inc. 11719 Hinson Road, Suite 100 Little Rock, AR 72223 Project Name: Village of Gurnee

Dear Mr. Benjamin Chandler,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 11/12/19 11:30 through 11/19/19 10:27.

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.



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926 **FAX:**

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE: Village of Gurnee

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	Received
11197130-V1-05	9111205-01	Air	11/07/19 23:59	11/12/19 11:30
11197130-V2-05	9111205-02	Air	11/07/19 23:59	11/12/19 11:30
11197130-V3-05	9111205-03	Air	11/07/19 23:59	11/12/19 11:30
11197130-V4-05	9111205-04	Air	11/07/19 23:59	11/12/19 11:30
11197130-V5-05	9111205-05	Air	11/07/19 23:59	11/12/19 11:30
11197130-M1-05	9111205-06	Air	11/07/19 23:59	11/12/19 11:30
11197130-M2-05	9111205-07	Air	11/07/19 23:59	11/12/19 11:30
11197130-M4-05	9111205-08	Air	11/07/19 23:59	11/12/19 11:30
11197130-M5-05	9111205-09	Air	11/07/19 23:59	11/12/19 11:30
11197130-R1-05	9111205-10	Air	11/07/19 23:59	11/12/19 11:30
11197130-R2-05	9111205-11	Air	11/07/19 23:59	11/12/19 11:30
11197130-M1-06	9111356-01	Air	11/10/19 23:59	11/13/19 11:00
11197130-M2-06	9111356-02	Air	11/10/19 23:59	11/13/19 11:00
11197130-M3-06	9111356-03	Air	11/10/19 23:59	11/13/19 11:00
11197130-V4-06	9111356-04	Air	11/10/19 23:59	11/13/19 11:00
11197130-M4-06	9111356-05	Air	11/10/19 23:59	11/13/19 11:00
11197130-M5-06	9111356-06	Air	11/10/19 23:59	11/13/19 11:00
11197130-M3-05	9111356-07	Air	11/07/19 23:59	11/13/19 11:00
11197130-R1-06	9111356-08	Air	11/10/19 23:59	11/13/19 11:00
11197130-R2-06	9111356-09	Air	11/10/19 23:59	11/13/19 11:00
11197130-V1-06	9111356-10	Air	11/10/19 23:59	11/13/19 11:00
11197130-V2-06	9111356-11	Air	11/10/19 23:59	11/13/19 11:00
11197130-V3-06	9111356-12	Air	11/10/19 23:59	11/13/19 11:00

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

PHONE: (501) 224-1926	FAX:		SITE CODE:	Village of Gurnee
11197130-V5-06	9111356-13	Air	11/10/19 23:59	11/13/19 11:00
11197130-M1-07	9111511-01	Air	11/13/19 23:59	11/15/19 10:53
11197130-M2-07	9111511-02	Air	11/13/19 23:59	11/15/19 10:53
11197130-M3-07	9111511-03	Air	11/13/19 23:59	11/15/19 10:53
11197130-M4-07	9111511-04	Air	11/13/19 23:59	11/15/19 10:53
11197130-M5-07	9111511-05	Air	11/13/19 23:59	11/15/19 10:53
11197130-R1-07	9111511-06	Air	11/13/19 23:59	11/15/19 10:53
11197130-R2-07	9111511-07	Air	11/13/19 23:59	11/15/19 10:53
11197130-V1-07	9111511-08	Air	11/13/19 23:59	11/15/19 10:53
11197130-V2-07	9111511-09	Air	11/13/19 23:59	11/15/19 10:53
11197130-V3-07	9111511-10	Air	11/13/19 23:59	11/15/19 10:53
11197130-V4-07	9111511-11	Air	11/13/19 23:59	11/15/19 10:53
11197130-V5-07	9111511-12	Air	11/13/19 23:59	11/15/19 10:53
11197130-V1-08	9111923-01	Air	11/16/19 23:59	11/19/19 10:27
11197130-V2-08	9111923-02	Air	11/16/19 23:59	11/19/19 10:27
11197130-V3-08	9111923-03	Air	11/16/19 23:59	11/19/19 10:27
11197130-V4-08	9111923-04	Air	11/16/19 23:59	11/19/19 10:27
11197130-V5-08	9111923-05	Air	11/16/19 23:59	11/19/19 10:27
11197130-M1-08	9111923-06	Air	11/16/19 23:59	11/19/19 10:27
11197130-M2-08	9111923-07	Air	11/16/19 23:59	11/19/19 10:27
11197130-M3-08	9111923-08	Air	11/16/19 23:59	11/19/19 10:27
11197130-M4-08	9111923-09	Air	11/16/19 23:59	11/19/19 10:27
11197130-M5-08	9111923-10	Air	11/16/19 23:59	11/19/19 10:27
11197130-R1-08	9111923-11	Air	11/16/19 23:59	11/19/19 10:27
11197130-R2-08	9111923-12	Air	11/16/19 23:59	11/19/19 10:27

Eastern Research Group

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FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/07/19 23:59

Received: 11/12/19 11:30

Analyzed: 11/15/19 21:14

GHD Services Inc.

Comments:

Analyte

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 4.00" Hg

Description: 11197130-V1-05

Results

0.0462

ppbv ug/m³

0.08

Canister #: A22328

Lab ID:

9111205-01

MDL

ppbv <u>Flag</u> 0.0250

Air Toxics by EPA Compendium Method TO-15

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-V2-05

Pressure @ Receipt: 8.50" Hg

Lab ID:

9111205-02

Canister #: A21056

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Received: 11/12/19 11:30 **Analyzed:** 11/15/19 22:03

Sampled: 11/07/19 23:59

Air Toxics by EPA Compendium Method TO-15 **MDL**

Results ppbv ug/m³

0.15

0.0836

<u>Flag</u>

ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-V3-05

Pressure @ Receipt: 5.50" Hg

Lab ID:

ppbv ug/m³

0.0277

0.05

9111205-03

Canister #: 19661

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/07/19 23:59

Received: 11/12/19 11:30

Analyzed: 11/15/19 22:51

MDL <u>Flag</u>

ppbv 0.0250

Air Toxics by EPA Compendium Method TO-15 **Results**

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-V4-05

Pressure @ Receipt: 6.50" Hg

Comments:

Analyte

Ethylene oxide

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/07/19 23:59

Received: 11/12/19 11:30 **Analyzed:** 11/15/19 23:39

Air Toxics by EPA Compendium Method TO-15

9111205-04

Results ppbv ug/m³

MDL <u>Flag</u>

Canister #: SAT172

Lab ID:

0.0678

0.12

ppbv 0.0250



GHD Services Inc.

Comments:

Analyte

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

Description: 11197130-V5-05

Pressure @ Receipt: 4.50" Hg

PHONE: (501) 224-1926

0.104

Lab ID: 9111205-05

Canister #: 0049

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/07/19 23:59 **Received:** 11/12/19 11:30 **Analyzed:** 11/16/19 00:28

Air Toxics by EPA Compendium Method TO-15 **MDL**

ppbv

0.0250

Results ppbv ug/m³

0.19

<u>Flag</u>

Eastern Research Group

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FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/07/19 23:59

Received: 11/12/19 11:30

Analyzed: 11/16/19 01:16

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 2.50" Hg

Description: 11197130-M1-05

ND

Results

ppbv ug/m³

ND

Canister #: 18823

Lab ID:

<u>Flag</u>

U

ppbv 0.0250

Air Toxics by EPA Compendium Method TO-15 **MDL**

9111205-06

Eastern Research Group

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GHD Services Inc.

Comments:

Analyte

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

Description: 11197130-M2-05

Pressure @ Receipt: 5.50" Hg

PHONE: (501) 224-1926

Canister #: 5080

ppbv ug/m³

0.15

<u>Flag</u>

0.0250

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/07/19 23:59

Received: 11/12/19 11:30 **Analyzed:** 11/16/19 02:04

Air Toxics by EPA Compendium Method TO-15 **MDL Results**

9111205-07

0.0847

Lab ID:

ppbv



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-M3-05

Pressure @ Receipt: 5.50" Hg

Lab ID:

9111356-07

Canister #: 5014

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Received: 11/13/19 11:00 **Analyzed:** 11/19/19 02:02

Sampled: 11/07/19 23:59

Air Toxics by EPA Compendium Method TO-15 **MDL**

Results ppbv ug/m³

0.26

0.146

<u>Flag</u>

ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-M4-05

Pressure @ Receipt: 4.50" Hg

Ethylene oxide

Analyte

Comments:

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/07/19 23:59

Received: 11/12/19 11:30 **Analyzed:** 11/16/19 02:52

Air Toxics by EPA Compendium Method TO-15

9111205-08

Results ppbv ug/m³

0.17

0.0929

MDL

<u>Flag</u>

Canister #: 5062

Lab ID:

ppbv 0.0250

Eastern Research Group

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FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

GHD Services Inc.

Comments:

Analyte

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-M5-05

Pressure @ Receipt: 5.00" Hg

Lab ID:

9111205-09

Canister #: 19285

Village of Gurnee

Received: 11/12/19 11:30 **Analyzed:** 11/16/19 03:40

Sampled: 11/07/19 23:59

Air Toxics by EPA Compendium Method TO-15 **MDL**

Results ppbv ug/m³

ND

ND

<u>Flag</u> U

ppbv 0.0250

Eastern Research Group

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FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-R1-05

Pressure @ Receipt: 8.00" Hg

Comments:

Lab ID: 9111205-10

Canister #: 5116

Village of Gurnee

Sampled: 11/07/19 23:59 Received: 11/12/19 11:30

Analyzed: 11/18/19 17:59

Air Toxics by EPA Compendium Method TO-15 **MDL**

Results ppbv ug/m³

ppbv <u>Flag</u>

0.0655

0.12

0.0250

Eastern Research Group

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FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 6.50" Hg

Description: 11197130-R2-05

Lab ID: 9111205-11

Canister #: 19647

Village of Gurnee

Received: 11/12/19 11:30 **Analyzed:** 11/18/19 18:47

Sampled: 11/07/19 23:59

Air Toxics by EPA Compendium Method TO-15 **MDL**

Results ppbv ug/m³

0.0188

0.03

<u>Flag</u> U

ppbv 0.0250



GHD Services Inc.

Comments:

Analyte

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 4.00" Hg

Description: 11197130-M1-06

Results

0.0440

ppbv ug/m³

0.08

Lab ID:

9111356-01

Canister #: SAT163

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/10/19 23:59

Received: 11/13/19 11:00

Analyzed: 11/18/19 19:35

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

Air Toxics by EPA Compendium Method TO-15 **MDL**

ppbv <u>Flag</u> 0.0250

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 3.00" Hg

Description: 11197130-M2-06

REPORTED: 12/10/19 14:25

FILE #: 4210.00

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/10/19 23:59 **Received:** 11/13/19 11:00

Analyzed: 11/18/19 20:23

Air Toxics by EPA Compendium Method TO-15 **MDL**

9111356-02

Results

<u>Flag</u>

U

Canister #: 18883

Lab ID:

Analyte Ethylene oxide

Comments:

ppbv ug/m³ ND

ND

ppbv 0.0250



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 5.50" Hg

Description: 11197130-M3-06

Lab ID:

9111356-03

Canister #: A21072

SITE CODE:

FILE #: 4210.00

AQS SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Received: 11/13/19 11:00 **Analyzed:** 11/18/19 21:12

Sampled: 11/10/19 23:59

Air Toxics by EPA Compendium Method TO-15

MDL

ppbv

0.0250

Results

0.0378

ppbv ug/m³

0.07

<u>Flag</u>

Eastern Research Group

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FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

Description: 11197130-M4-06

Pressure @ Receipt: 5.50" Hg

PHONE: (501) 224-1926

Lab ID:

9111356-05

Canister #: 19663

Village of Gurnee

Sampled: 11/10/19 23:59 **Received:** 11/13/19 11:00 **Analyzed:** 11/18/19 22:48

Air Toxics by EPA Compendium Method TO-15 **MDL**

Results ppbv ug/m³

0.10

0.0538

<u>Flag</u>

ppbv 0.0250

Eastern Research Group

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FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/10/19 23:59

Received: 11/13/19 11:00

Analyzed: 11/19/19 01:13

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

Description: 11197130-M5-06

Pressure @ Receipt: 6.00" Hg

PHONE: (501) 224-1926

Canister #: A21013

Results ppbv ug/m³

Lab ID:

0.0359

0.06

<u>Flag</u>

ppbv 0.0250

Air Toxics by EPA Compendium Method TO-15 **MDL**

9111356-06

Eastern Research Group

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-R1-06

Pressure @ Receipt: 7.00" Hg

0.0377

Results

ppbv ug/m³ <u>Flag</u> 0.07

Lab ID:

Canister #: 19668

ppbv 0.0250

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/10/19 23:59

Received: 11/13/19 11:00 **Analyzed:** 11/19/19 04:27

Air Toxics by EPA Compendium Method TO-15 **MDL**

9111356-08

Eastern Research Group

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GHD Services Inc.

Comments:

Analyte

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926 **Description:** 11197130-R2-06

Pressure @ Receipt: 6.50" Hg

Lab ID:

9111356-09

Canister #: SAT030

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Received: 11/13/19 11:00 **Analyzed:** 11/19/19 05:15

Sampled: 11/10/19 23:59

Air Toxics by EPA Compendium Method TO-15 **MDL**

Results ppbv ug/m³

0.12

0.0689

<u>Flag</u>

ppbv 0.0250

Eastern Research Group

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GHD Services Inc.

Comments:

Analyte

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-V1-06

Pressure @ Receipt: 4.50" Hg

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/10/19 23:59 **Received:** 11/13/19 11:00

Analyzed: 11/19/19 06:04

Air Toxics by EPA Compendium Method TO-15

9111356-10

Results ppbv ug/m³

MDL <u>Flag</u>

Canister #: 18817

Ethylene oxide 0.0300

0.05

Lab ID:

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

Comments:

Analyte

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 7.00" Hg

Description: 11197130-V2-06

Lab ID:

Canister #: 2767

9111356-11

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/10/19 23:59 **Received:** 11/13/19 11:00

Analyzed: 11/19/19 06:52

Air Toxics by EPA Compendium Method TO-15 **MDL**

Results ppbv ug/m³

0.0160

0.03

<u>Flag</u> U

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-V3-06

Pressure @ Receipt: 6.00" Hg

Lab ID: 9111356-12

Canister #: 18818

Village of Gurnee

Sampled: 11/10/19 23:59 **Received:** 11/13/19 11:00 **Analyzed:** 11/19/19 07:40

Air Toxics by EPA Compendium Method TO-15 **MDL**

0.0250

Results ppbv ug/m³

ppbv <u>Flag</u>

Ethylene oxide

Analyte

Comments:

1.12

2.02

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-V4-06 Pressure @ Receipt: 4.00" Hg

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/10/19 23:59 **Received:** 11/13/19 11:00

Analyzed: 11/18/19 22:00

Air Toxics by EPA Compendium Method TO-15

9111356-04

Results ppbv ug/m³

MDL <u>Flag</u>

Canister #: 18835

Ethylene oxide

Analyte

Comments:

0.0802

0.15

Lab ID:

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

Comments:

Analyte

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 4.00" Hg

Received without brass cap

Description: 11197130-V5-06

Canister #: 18878

Air Toxics by EPA Compendium Method TO-15 **Results**

ppbv ug/m³ 0.0474

0.09

<u>Flag</u>

Lab ID:

ppbv 0.0250

MDL

9111356-13

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/10/19 23:59

Received: 11/13/19 11:00

Analyzed: 11/19/19 08:29

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

Comments:

Analyte

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-M1-07

Pressure @ Receipt: 4.50" Hg

Canister #: 19645

Lab ID:

Results ppbv ug/m³

0.218

0.39

ppbv <u>Flag</u> 0.0250

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/13/19 23:59 **Received:** 11/15/19 10:53

Analyzed: 11/20/19 23:26

Air Toxics by EPA Compendium Method TO-15

MDL

9111511-01

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 6.00" Hg

Description: 11197130-M2-07

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/13/19 23:59 **Received:** 11/15/19 10:53

Analyzed: 11/21/19 00:14

Air Toxics by EPA Compendium Method TO-15

9111511-02

Results

<u>Flag</u>

Canister #: 19295

Analyte Ethylene oxide

Comments:

ppbv ug/m³ 0.0631

0.11

LK

Lab ID:

ppbv 0.0250

MDL



FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

GHD Services Inc.

Comments:

Analyte

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 5.50" Hg

Description: 11197130-M3-07

Lab ID:

9111511-03

Canister #: 18828

Village of Gurnee

Sampled: 11/13/19 23:59 **Received:** 11/15/19 10:53

Analyzed: 11/21/19 01:02

Air Toxics by EPA Compendium Method TO-15 **MDL**

Results

0.0328

ppbv ug/m³ 0.06

<u>Flag</u> LK

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 5.50" Hg

Description: 11197130-M4-07

Canister #: 19640

Results

Lab ID:

Air Toxics by EPA Compendium Method TO-15

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/13/19 23:59

Received: 11/15/19 10:53

Analyzed: 11/21/19 01:51

MDL

9111511-04

<u>Flag</u>

Analyte Ethylene oxide

Comments:

ppbv ug/m³ 0.0812

0.15

LK

ppbv 0.0250



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-M5-07

Pressure @ Receipt: 6.50" Hg

Lab ID:

9111511-05 **Canister #:** 19665

Analyzed: 11/21/19 03:28

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/13/19 23:59

Received: 11/15/19 10:53

Air Toxics by EPA Compendium Method TO-15 **MDL**

Results ppbv ug/m³

0.05

0.0264

<u>Flag</u> LK

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-R1-07

Pressure @ Receipt: 9.50" Hg

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/13/19 23:59

Received: 11/15/19 10:53 **Analyzed:** 11/21/19 18:18

Air Toxics by EPA Compendium Method TO-15

9111511-06

Results

MDL <u>Flag</u>

Ethylene oxide

0.0991 0.18

ppbv ug/m³

Lab ID:

Canister #: 5124

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

Analyte

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-R2-07

Pressure @ Receipt: 8.50" Hg

Comments:

AQS SITE CODE: SITE CODE:

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

9111511-07

Canister #: 19278

Lab ID:

Village of Gurnee

Received: 11/15/19 10:53 **Analyzed:** 11/21/19 19:07

Sampled: 11/13/19 23:59

Air Toxics by EPA Compendium Method TO-15

Results ppbv ug/m³

MDL <u>Flag</u>

0.0373

0.07

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-V1-07

Pressure @ Receipt: 5.50" Hg

Canister #: 18882

Lab ID:

9111511-08

Air Toxics by EPA Compendium Method TO-15

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/13/19 23:59

Received: 11/15/19 10:53

Analyzed: 11/21/19 19:55

MDL

<u>Flag</u>

Ethylene oxide

Analyte

Comments:

ppbv ug/m³ 2.93

Results

5.29

ppbv 0.0250



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

Description: 11197130-V2-07

PHONE: (501) 224-1926

Pressure @ Receipt: 8.00" Hg

Comments:

Lab ID: 9111511-09

Canister #: 18868

Air Toxics by EPA Compendium Method TO-15

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/13/19 23:59

Received: 11/15/19 10:53

Analyzed: 11/21/19 20:43

MDL ppbv

ppbv ug/m³ 4.91

8.86

Results

<u>Flag</u>

0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 7.00" Hg

Description: 11197130-V3-07

Lab ID:

9111511-10

Canister #: 18837

Village of Gurnee

Received: 11/15/19 10:53 **Analyzed:** 11/21/19 21:32

Sampled: 11/13/19 23:59

Air Toxics by EPA Compendium Method TO-15 **MDL**

Results ppbv ug/m³

0.05

0.0254

<u>Flag</u>

LK

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-V4-07

Pressure @ Receipt: 8.00" Hg

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/13/19 23:59

Received: 11/15/19 10:53 **Analyzed:** 11/21/19 22:20

Air Toxics by EPA Compendium Method TO-15

9111511-11

Results

MDL

Ethylene oxide

Analyte

Comments:

ppbv ug/m³ 0.0269

0.05

<u>Flag</u> LK

Canister #: 19655

Lab ID:

ppbv 0.0250



GHD Services Inc.

Comments:

Analyte

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 6.00" Hg

Description: 11197130-V5-07

Canister #: 18836

Results

0.0413

ppbv ug/m³

0.07

Lab ID:

LK

Air Toxics by EPA Compendium Method TO-15

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/13/19 23:59

Received: 11/15/19 10:53

Analyzed: 11/21/19 23:08

MDL <u>Flag</u>

9111511-12

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-V1-08

Pressure @ Receipt: 6.00" Hg

Canister #: 5135

Results

0.125

0.23

Lab ID:

Air Toxics by EPA Compendium Method TO-15

9111923-01

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/16/19 23:59

Received: 11/19/19 10:27

Analyzed: 11/21/19 23:57

MDL ppbv ug/m³

ppbv <u>Flag</u> LK 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926 **F**₁

4-1920 FAX

Description: 11197130-V2-08

Pressure @ Receipt: 7.00" Hg

Comments:

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/16/19 23:59 **Received:** 11/19/19 10:27

Analyzed: 11/22/19 00:45

Air Toxics by EPA Compendium Method TO-15

9111923-02

Results ppbv ug/m³

0.0293

0.05

-la--

Canister #: 18885

<u>Flag</u>

Lab ID:

<u>ppbv</u> 0.0250

MDL

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

Comments:

Analyte

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

PHONE: (501) 224-1926

ATTN: Mr. Benjamin Chandler

Description: 11197130-V3-08

Pressure @ Receipt: 6.00" Hg

Lab ID:

9111923-03

Canister #: A21098

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Received: 11/19/19 10:27 Analyzed: 11/22/19 01:34

Sampled: 11/16/19 23:59

Air Toxics by EPA Compendium Method TO-15 **MDL**

Results ppbv ug/m³

0.16

0.0879

<u>Flag</u>

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 7.50" Hg

Description: 11197130-V4-08

Canister #: 5093

Results

0.0767

ppbv ug/m³

0.14

Lab ID:

LK

9111923-04

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/16/19 23:59

Received: 11/19/19 10:27

Analyzed: 11/22/19 02:22

Air Toxics by EPA Compendium Method TO-15 **MDL**

> ppbv <u>Flag</u> 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

Analyte

Ethylene oxide

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-V5-08

Pressure @ Receipt: 4.50" Hg **Comments:**

Lab ID:

0.150

Canister #: SAT137

0.27

ppbv ug/m³ <u>Flag</u>

ppbv 0.0250

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/16/19 23:59 Received: 11/19/19 10:27

Analyzed: 11/22/19 03:10

Air Toxics by EPA Compendium Method TO-15 **MDL Results**

9111923-05

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-M1-08

Pressure @ Receipt: 3.50" Hg

Comments:

Analyte

Ethylene oxide

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/16/19 23:59

Received: 11/19/19 10:27 **Analyzed:** 11/22/19 03:59

Air Toxics by EPA Compendium Method TO-15

9111923-06

Results ppbv ug/m³

0.12

0.0636

Canister #: SAT060

Lab ID:

<u>Flag</u>

ppbv 0.0250

MDL



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

PHONE: (501) 224-1926

ATTN: Mr. Benjamin Chandler

Description: 11197130-M2-08

Pressure @ Receipt: 5.50" Hg

Results

ppbv ug/m³

Canister #: 5016

Lab ID:

Air Toxics by EPA Compendium Method TO-15

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/16/19 23:59

Received: 11/19/19 10:27

Analyzed: 11/22/19 04:47

MDL

9111923-07

ppbv <u>Flag</u>

0.0671

0.12

0.0250



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926 **F**

Description: 11197130-M3-08

Pressure @ Receipt: 5.50" Hg

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE: Village of Gurnee

 Lab ID:
 9111923-08
 Sampled: 11/16/19 23:59

 Canister #:
 5048
 Received: 11/19/19 10:27

 Analyzed:
 11/22/19 05:35

Air Toxics by EPA Compendium Method TO-15

MDL

Results ppbv ug/m³

0.12

0.0645

<u>Flag</u>

<u>ppbv</u> 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Description: 11197130-M4-08

Pressure @ Receipt: 5.00" Hg

Comments:

Lab ID:

9111923-09

Canister #: SAT041

FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Analyzed: 11/22/19 06:23

Sampled: 11/16/19 23:59

Received: 11/19/19 10:27

Air Toxics by EPA Compendium Method TO-15

Results ppbv ug/m³

MDL <u>Flag</u>

0.0797

0.14

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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FILE #: 4210.00

AQS SITE CODE:

SITE CODE:

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

Village of Gurnee

Sampled: 11/16/19 23:59

Received: 11/19/19 10:27

Analyzed: 11/26/19 16:18

GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 6.50" Hg

Description: 11197130-M5-08

Lab ID:

Air Toxics by EPA Compendium Method TO-15

Canister #: 5046

9111923-10

MDL

<u>Flag</u>

0.81 0.446

Results

ppbv ug/m³

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 6.50" Hg

Description: 11197130-R1-08

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/16/19 23:59 Received: 11/19/19 10:27

Analyzed: 11/26/19 17:06

Air Toxics by EPA Compendium Method TO-15

9111923-11

Results ppbv ug/m³

MDL <u>Flag</u>

Canister #: SAT061

0.178

0.32

Lab ID:

ppbv 0.0250

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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GHD Services Inc.

11719 Hinson Road, Suite 100

Little Rock, AR 72223

Comments:

Analyte

Ethylene oxide

ATTN: Mr. Benjamin Chandler

PHONE: (501) 224-1926

Pressure @ Receipt: 6.00" Hg

Description: 11197130-R2-08

Canister #: A21103

0.0777

Results ppbv ug/m³ <u>Flag</u>

0.14

Lab ID:

ppbv 0.0250

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE:

Village of Gurnee

Sampled: 11/16/19 23:59

Received: 11/19/19 10:27 **Analyzed:** 11/26/19 17:55

Air Toxics by EPA Compendium Method TO-15 **MDL**

9111923-12

Eastern Research Group

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Little Rock, AR 72223

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PHONE: (501) 224-1926 **FAX:**

FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE: Village of Gurnee

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Air Toxics by EPA Compendium Met Batch B9K1504 - Summa Canister Prep		5 - Quality Control				
Blank (B9K1504-BLK1)			Prepared: 11/12/19	Analyzed: 11/15/19		
Ethylene oxide	ND	ppbv		-, , -, -		U
Duplicate (B9K1504-DUP1)	Sou	ırce: 9111205-09	Prepared: 11/07/19	Analyzed: 11/16/19		
Ethylene oxide	ND	ppbv	ND		25	U
Batch B9K1808 - Summa Canister Prep	,					
Blank (B9K1808-BLK1)			Prepared: 11/12/19	Analyzed: 11/18/19		
Ethylene oxide	ND	ppbv				U
Duplicate (B9K1808-DUP1)	Sou	ırce: 9111356-04	Prepared: 11/10/19	Analyzed: 11/18/19		
Ethylene oxide	0.0804	ppbv	0.08	0.249	25	
Duplicate (B9K1808-DUP2)	Sou	ırce: 9111356-05	Prepared: 11/10/19	Analyzed: 11/19/19		
Ethylene oxide	ND	ppbv	ND		25	U
Duplicate (B9K1808-DUP3)	Sou	ırce: 9111356-06	Prepared: 11/10/19	Analyzed: 11/19/19		
Ethylene oxide	ND	ppbv	ND		25	U
Duplicate (B9K1808-DUP4)	Sou	ırce: 9111356-07	Prepared: 11/10/19	Analyzed: 11/19/19		
Ethylene oxide	0.148	ppbv	0.15	1.36	25	
Batch B9K2005 - Summa Canister Prep)					
Blank (B9K2005-BLK1)			Prepared: 11/12/19	Analyzed: 11/20/19		
Ethylene oxide	ND	ppbv				U
Duplicate (B9K2005-DUP1)	Sou	ırce: 9111511-04	Prepared: 11/13/19	Analyzed: 11/21/19		
Ethylene oxide	0.0825	ppbv	0.08	1.59	25	LK
Batch B9K2104 - Summa Canister Prep)					
Blank (B9K2104-BLK1)			Prepared: 11/18/19	Analyzed: 11/21/19		
Ethylene oxide	ND	ppbv				U
Duplicate (B9K2104-DUP1)	Sou	ırce: 9111923-09	Prepared: 11/16/19	Analyzed: 11/22/19		
Ethylene oxide	0.0677	ppbv	0.08	16.3	25	
Batch B9K2605 - Summa Canister Prep	,					
Blank (B9K2605-BLK1)			Prepared: 11/18/19	Analyzed: 11/26/19		

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FILE #: 4210.00

REPORTED: 12/10/19 14:25

SUBMITTED: 11/12/19 to 11/19/19

AQS SITE CODE:

SITE CODE: Village of Gurnee

Analyte	Result	Units	% Difference	Limit (%)	Notes	
Air Toxics by EPA Compendium Me Sequence 1911030	thod TO-15 - (Quality Contro	1			
Calibration Check (1911030-CCV1)	Prepared & Analyzed: 11/15/19					
Ethylene oxide	1.87	ppbv	-25.4	30.00		
Sequence 1911035						
Calibration Check (1911035-CCV1)		ı	Prepared & Analyzed	l: 11/18/19		
Ethylene oxide	1.85	ppbv	-26.2	30.00		
Sequence 1911047						
Calibration Check (1911047-CCV1)		ı	Prepared & Analyzed	l: 11/20/19		
Ethylene oxide	2.00	ppbv	-19.8	30.00		
Sequence 1911048						
Calibration Check (1911048-CCV1)		ı	Prepared & Analyzed	l: 11/21/19		
Ethylene oxide	2.00	ppbv	-20.0	30.00		
Sequence 1911058						
Calibration Check (1911058-CCV1)		ı	Prepared & Analyzed	l: 11/26/19		
Ethylene oxide	2.75	ppbv	9.9	30.00		



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AQS SITE CODE:

SITE CODE: Village of Gurnee

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: 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, acctylene, 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 trichlorotrufluoroethane.

ERROR: syntaxerror OFFENDING COMMAND: --nostringval--

STACK: