



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

July 15, 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 06/26/19 11:29 through 07/02/19 11:07.

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.



CERTIFICATE OF ANALYSIS

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: 07/15/19 11:59
SUBMITTED: 06/26/19 to 07/02/19
AQS SITE CODE:
SITE CODE: Village of Gurnee

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
11197130-DH-01	9062631-11	Air	06/25/19 23:01	06/26/19 11:29
11197130-DH-02	9062631-12	Air	06/25/19 22:53	06/26/19 11:29
11197130-DH-04	9062631-13	Air	06/25/19 21:16	06/26/19 11:29
11197130-DH-06	9062631-14	Air	06/25/19 21:53	06/26/19 11:29
11197130-DH-07	9062631-15	Air	06/25/19 21:49	06/26/19 11:29
11197130-DH-08	9062631-16	Air	06/25/19 21:36	06/26/19 11:29
11197130-DH-09	9062631-17	Air	06/25/19 21:22	06/26/19 11:29
11197130-DH-10	9062631-18	Air	06/25/19 21:14	06/26/19 11:29
11197130-DH-03	9062631-19	Air	06/25/19 22:33	06/26/19 11:29
11197130-DH-11	9062631-20	Air	06/25/19 21:03	06/26/19 11:29
11197130-DS-36	9062814-01	Air	06/27/19 23:59	06/28/19 11:08
11197130-DS-37	9062814-02	Air	06/27/19 23:59	06/28/19 11:08
11197130-DS-38	9062814-03	Air	06/27/19 23:59	06/28/19 11:08
11197130-DS-39	9062814-04	Air	06/27/19 23:59	06/28/19 11:08
11197130-DS-41	9070120-01	Air	06/28/19 23:59	07/01/19 11:01
11197130-DS-42	9070120-02	Air	06/28/19 23:59	07/01/19 11:01
11197130-DS-43	9070120-03	Air	06/28/19 23:59	07/01/19 11:01
11197130-DS-44	9070120-04	Air	06/28/19 23:59	07/01/19 11:01
11197130-DS-45	9070120-05	Air	06/28/19 23:59	07/01/19 11:01
11197130-DS-46	9070120-06	Air	06/28/19 23:59	07/01/19 11:01
11197130-DS-48	9070120-07	Air	06/28/19 23:59	07/01/19 11:01
11197130-DS-50	9070120-09	Air	06/28/19 23:59	07/01/19 11:01
11197130-DS-51	9070120-10	Air	06/28/19 23:59	07/01/19 11:01



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11197130-KS-37	9070245-01	Air	07/01/19 11:16	07/02/19 11:07
11197130-KS-33	9070245-02	Air	07/01/19 10:20	07/02/19 11:07
11197130-KS-41	9070245-03	Air	07/01/19 13:03	07/02/19 11:07
11197130-KS-38	9070245-04	Air	07/01/19 11:28	07/02/19 11:07
11197130-KS-32	9070245-05	Air	07/01/19 10:08	07/02/19 11:07
11197130-KS-34	9070245-06	Air	07/01/19 10:33	07/02/19 11:07
11197130-KS-39	9070245-07	Air	07/01/19 11:43	07/02/19 11:07
11197130-KS-40	9070245-08	Air	07/01/19 12:33	07/02/19 11:07
11197130-KS-36	9070245-09	Air	07/01/19 11:04	07/02/19 11:07
11197130-KS-35	9070245-10	Air	07/01/19 10:43	07/02/19 11:07



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Description: 11197130-DH-01	Lab ID: 9062631-11	Sampled: 06/25/19 23:01
Pressure @ Receipt: 6.50"Hg	Canister #: SAT054	Received: 06/26/19 11:29
Comments: 11197130		Analyzed: 06/29/19 00:05

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.427	0.77		0.0250



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SITE CODE: Village of Gurnee

Description: 11197130-DH-02	Lab ID: 9062631-12	Sampled: 06/25/19 22:53
Pressure @ Receipt: 3.00"Hg	Canister #: 5007	Received: 06/26/19 11:29
Comments: 11197130		Analyzed: 06/29/19 00:52

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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AQS SITE CODE:
SITE CODE: Village of Gurnee

Description: 11197130-DH-04	Lab ID: 9062631-13	Sampled: 06/25/19 21:16
Pressure @ Receipt: 8.00"Hg	Canister #: A21074	Received: 06/26/19 11:29
Comments: 11197130		Analyzed: 06/29/19 01:39

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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Description: 11197130-DH-06	Lab ID: 9062631-14	Sampled: 06/25/19 21:53
Pressure @ Receipt: 8.50"Hg	Canister #: 5050	Received: 06/26/19 11:29
Comments: 11197130		Analyzed: 06/29/19 02:26

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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SITE CODE: Village of Gurnee

Description: 11197130-DH-07	Lab ID: 9062631-15	Sampled: 06/25/19 21:49
Pressure @ Receipt: 9.00"Hg	Canister #: SAT075	Received: 06/26/19 11:29
Comments: 11197130		Analyzed: 06/29/19 03:13

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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 AQS SITE CODE:
 SITE CODE: Village of Gurnee

Description: 11197130-DH-08	Lab ID: 9062631-16	Sampled: 06/25/19 21:36
Pressure @ Receipt: 10.00"Hg	Canister #: A21089	Received: 06/26/19 11:29
Comments: 11197130		Analyzed: 06/29/19 04:01

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.153	0.28		0.0250



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SITE CODE: Village of Gurnee

Description: 11197130-DH-09	Lab ID: 9062631-17	Sampled: 06/25/19 21:22
Pressure @ Receipt: 10.50"Hg	Canister #: SAT150	Received: 06/26/19 11:29
Comments: 11197130		Analyzed: 07/02/19 13:00

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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AQS SITE CODE:
SITE CODE: Village of Gurnee

Description: 11197130-DH-10	Lab ID: 9062631-18	Sampled: 06/25/19 21:14
Pressure @ Receipt: 10.50"Hg	Canister #: 18837	Received: 06/26/19 11:29
Comments: 11197130		Analyzed: 07/02/19 13:48

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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 SITE CODE: Village of Gurnee

Description: 11197130-DH-03	Lab ID: 9062631-19	Sampled: 06/25/19 22:33
Pressure @ Receipt: 8.50"Hg	Canister #: 18872	Received: 06/26/19 11:29
Comments: 11197130		Analyzed: 07/03/19 15:48

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.484	0.87		0.0250



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AQS SITE CODE:
SITE CODE: Village of Gurnee

Description: 11197130-DH-11	Lab ID: 9062631-20	Sampled: 06/25/19 21:03
Pressure @ Receipt: 12.50"Hg	Canister #: SAT049	Received: 06/26/19 11:29
Comments: 11197130		Analyzed: 07/02/19 15:22

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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 AQS SITE CODE:
 SITE CODE: Village of Gurnee

Description: 11197130-DS-36	Lab ID: 9062814-01	Sampled: 06/27/19 23:59
Pressure @ Receipt: 7.00"Hg	Canister #: A21025	Received: 06/28/19 11:08
Comments: 11197130		Analyzed: 07/02/19 16:09

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.706	1.27		0.0250



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 AQS SITE CODE:
 SITE CODE: Village of Gurnee

Description: 11197130-DS-37	Lab ID: 9062814-02	Sampled: 06/27/19 23:59
Pressure @ Receipt: 8.50"Hg	Canister #: SAT008	Received: 06/28/19 11:08
Comments: 11197130		Analyzed: 07/02/19 16:56

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.406	0.73		0.0250



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 AQS SITE CODE:
 SITE CODE: Village of Gurnee

Description: 11197130-DS-38 **Lab ID:** 9062814-03 **Sampled:** 06/27/19 23:59
Pressure @ Receipt: 6.00"Hg **Canister #:** SAT152 **Received:** 06/28/19 11:08
Comments: 11197130 **Analyzed:** 07/02/19 17:43

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.102	0.18		0.0250



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 AQS SITE CODE:
 SITE CODE: Village of Gurnee

Description: 11197130-DS-39	Lab ID: 9062814-04	Sampled: 06/27/19 23:59
Pressure @ Receipt: 8.00"Hg	Canister #: SAT031	Received: 06/28/19 11:08
Comments: 11197130		Analyzed: 07/02/19 19:07

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.147	0.27		0.0250



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 SITE CODE: Village of Gurnee

Description: 11197130-DS-41	Lab ID: 9070120-01	Sampled: 06/28/19 23:59
Pressure @ Receipt: 7.00"Hg	Canister #: 5091	Received: 07/01/19 11:01
Comments: 11197130		Analyzed: 07/02/19 19:54

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.683	1.23		0.0250



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Description: 11197130-DS-42	Lab ID: 9070120-02	Sampled: 06/28/19 23:59
Pressure @ Receipt: 6.50"Hg	Canister #: SAT108	Received: 07/01/19 11:01
Comments: 11197130		Analyzed: 07/02/19 20:41

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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Description: 11197130-DS-43	Lab ID: 9070120-03	Sampled: 06/28/19 23:59
Pressure @ Receipt: 8.00"Hg	Canister #: 19657	Received: 07/01/19 11:01
Comments: 11197130		Analyzed: 07/02/19 22:16

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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SITE CODE: Village of Gurnee

Description: 11197130-DS-44	Lab ID: 9070120-04	Sampled: 06/28/19 23:59
Pressure @ Receipt: 6.50"Hg	Canister #: A21080	Received: 07/01/19 11:01
Comments: 11197130		Analyzed: 07/02/19 23:03

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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Description: 11197130-DS-45	Lab ID: 9070120-05	Sampled: 06/28/19 23:59
Pressure @ Receipt: 5.50"Hg	Canister #: SAT095	Received: 07/01/19 11:01
Comments: 11197130		Analyzed: 07/02/19 23:50

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.126	0.23		0.0250



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Description: 11197130-DS-46	Lab ID: 9070120-06	Sampled: 06/28/19 23:59
Pressure @ Receipt: 7.00"Hg	Canister #: SAT169	Received: 07/01/19 11:01
Comments: 11197130		Analyzed: 07/03/19 00:37

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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AQS SITE CODE:
SITE CODE: Village of Gurnee

Description: 11197130-DS-48	Lab ID: 9070120-07	Sampled: 06/28/19 23:59
Pressure @ Receipt: 8.50"Hg	Canister #: A21098	Received: 07/01/19 11:01
Comments: 11197130		Analyzed: 07/03/19 01:24

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



CERTIFICATE OF ANALYSIS

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: 07/15/19 11:59
 SUBMITTED: 06/26/19 to 07/02/19
 AQS SITE CODE:
 SITE CODE: Village of Gurnee

Description: 11197130-DS-50 **Lab ID:** 9070120-09 **Sampled:** 06/28/19 23:59
Pressure @ Receipt: 8.50"Hg **Canister #:** A22328 **Received:** 07/01/19 11:01
Comments: 11197130 **Analyzed:** 07/03/19 02:58

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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FILE #: 4210.00
REPORTED: 07/15/19 11:59
SUBMITTED: 06/26/19 to 07/02/19
AQS SITE CODE:
SITE CODE: Village of Gurnee

Description: 11197130-DS-51	Lab ID: 9070120-10	Sampled: 06/28/19 23:59
Pressure @ Receipt: 10.50"Hg	Canister #: SAT077	Received: 07/01/19 11:01
Comments: 11197130		Analyzed: 07/03/19 03:45

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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 REPORTED: 07/15/19 11:59
 SUBMITTED: 06/26/19 to 07/02/19
 AQS SITE CODE:
 SITE CODE: Village of Gurnee

Description: 11197130-KS-37	Lab ID: 9070245-01	Sampled: 07/01/19 11:16
Pressure @ Receipt: 7.00"Hg	Canister #: SAT009	Received: 07/02/19 11:07
Comments: 11197130		Analyzed: 07/03/19 16:35

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.321	0.58		0.0250



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FILE #: 4210.00
 REPORTED: 07/15/19 11:59
 SUBMITTED: 06/26/19 to 07/02/19
 AQS SITE CODE:
 SITE CODE: Village of Gurnee

Description: 11197130-KS-33	Lab ID: 9070245-02	Sampled: 07/01/19 10:20
Pressure @ Receipt: 7.00"Hg	Canister #: 19641	Received: 07/02/19 11:07
Comments: 11197364		Analyzed: 07/03/19 17:23

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.341	0.62		0.0250



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REPORTED: 07/15/19 11:59
SUBMITTED: 06/26/19 to 07/02/19
AQS SITE CODE:
SITE CODE: Village of Gurnee

Description: 11197130-KS-41	Lab ID: 9070245-03	Sampled: 07/01/19 13:03
Pressure @ Receipt: 10.50"Hg	Canister #: 19281	Received: 07/02/19 11:07
Comments: 11197130		Analyzed: 07/03/19 18:11

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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FILE #: 4210.00
 REPORTED: 07/15/19 11:59
 SUBMITTED: 06/26/19 to 07/02/19
 AQS SITE CODE:
 SITE CODE: Village of Gurnee

Description: 11197130-KS-38	Lab ID: 9070245-04	Sampled: 07/01/19 11:28
Pressure @ Receipt: 8.50"Hg	Canister #: SAT038	Received: 07/02/19 11:07
Comments: 11197130		Analyzed: 07/05/19 13:54

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.209	0.38		0.0250



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 REPORTED: 07/15/19 11:59
 SUBMITTED: 06/26/19 to 07/02/19
 AQS SITE CODE:
 SITE CODE: Village of Gurnee

Description: 11197130-KS-32	Lab ID: 9070245-05	Sampled: 07/01/19 10:08
Pressure @ Receipt: 6.50"Hg	Canister #: SAT085	Received: 07/02/19 11:07
Comments: 11197364		Analyzed: 07/05/19 14:42

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.704	1.27		0.0250



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REPORTED: 07/15/19 11:59
SUBMITTED: 06/26/19 to 07/02/19
AQS SITE CODE:
SITE CODE: Village of Gurnee

Description: 11197130-KS-34	Lab ID: 9070245-06	Sampled: 07/01/19 10:33
Pressure @ Receipt: 9.00"Hg	Canister #: 5053	Received: 07/02/19 11:07
Comments: 11197364		Analyzed: 07/05/19 15:30

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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FILE #: 4210.00
 REPORTED: 07/15/19 11:59
 SUBMITTED: 06/26/19 to 07/02/19
 AQS SITE CODE:
 SITE CODE: Village of Gurnee

Description: 11197130-KS-39	Lab ID: 9070245-07	Sampled: 07/01/19 11:43
Pressure @ Receipt: 9.00"Hg	Canister #: A22329	Received: 07/02/19 11:07
Comments: 11197130		Analyzed: 07/05/19 16:18

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.119	0.22		0.0250



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REPORTED: 07/15/19 11:59
SUBMITTED: 06/26/19 to 07/02/19
AQS SITE CODE:
SITE CODE: Village of Gurnee

Description: 11197130-KS-40	Lab ID: 9070245-08	Sampled: 07/01/19 12:33
Pressure @ Receipt: 8.00"Hg	Canister #: 19292	Received: 07/02/19 11:07
Comments: 11197130		Analyzed: 07/05/19 17:06

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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 SUBMITTED: 06/26/19 to 07/02/19
 AQS SITE CODE:
 SITE CODE: Village of Gurnee

Description: 11197130-KS-36	Lab ID: 9070245-09	Sampled: 07/01/19 11:04
Pressure @ Receipt: 6.50"Hg	Canister #: 19288	Received: 07/02/19 11:07
Comments: 11197130		Analyzed: 07/05/19 17:53

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	0.0853	0.15		0.0250



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SUBMITTED: 06/26/19 to 07/02/19
AQS SITE CODE:
SITE CODE: Village of Gurnee

Description: 11197130-KS-35	Lab ID: 9070245-10	Sampled: 07/01/19 10:43
Pressure @ Receipt: 8.00"Hg	Canister #: 5042	Received: 07/02/19 11:07
Comments: 11197164		Analyzed: 07/05/19 18:41

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Ethylene oxide	ND	ND	U	0.0250



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FILE #: 4210.00
REPORTED: 07/15/19 11:59
SUBMITTED: 06/26/19 to 07/02/19
AQS SITE CODE:
SITE CODE: Village of Gurnee

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
Air Toxics by EPA Compendium Method TO-15 - Quality Control						
<i>Batch B9F2804 - Summa Canister Prep</i>						
Blank (B9F2804-BLK1)			Prepared: 06/24/19 Analyzed: 06/28/19			
Ethylene oxide	ND	ppbv				U
<i>Batch B9G0107 - Summa Canister Prep</i>						
Blank (B9G0107-BLK1)			Prepared: 06/24/19 Analyzed: 07/02/19			
Ethylene oxide	ND	ppbv				U
Duplicate (B9G0107-DUP1)			Source: 9070120-02 Prepared: 06/28/19 Analyzed: 07/02/19			
Ethylene oxide	ND	ppbv	ND		25	U
<i>Batch B9G0809 - Summa Canister Prep</i>						
Blank (B9G0809-BLK1)			Prepared: 06/28/19 Analyzed: 07/03/19			
Ethylene oxide	ND	ppbv				U
Duplicate (B9G0809-DUP1)			Source: 9070245-10 Prepared: 07/01/19 Analyzed: 07/05/19			
Ethylene oxide	ND	ppbv	ND		25	U



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FILE #: 4210.00
REPORTED: 07/15/19 11:59
SUBMITTED: 06/26/19 to 07/02/19
AQS SITE CODE:
SITE CODE: Village of Gurnee

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

Sequence 1906075

Calibration Check (1906075-CCV1)

Prepared & Analyzed: 06/27/19

Ethylene oxide	2.39	ppbv	-4.4	30.00
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Sequence 1906084

Calibration Check (1906084-CCV1)

Prepared & Analyzed: 06/28/19

Ethylene oxide	2.40	ppbv	-3.9	30.00
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Sequence 1907002

Calibration Check (1907002-CCV1)

Prepared: 07/01/19 Analyzed: 07/02/19

Ethylene oxide	2.37	ppbv	-3.5	30.00
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Sequence 1907020

Calibration Check (1907020-CCV1)

Prepared & Analyzed: 07/03/19

Ethylene oxide	2.44	ppbv	-0.9	30.00
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FILE #: 4210.00
REPORTED: 07/15/19 11:59
SUBMITTED: 06/26/19 to 07/02/19
AQS SITE CODE:
SITE CODE: Village of Gurnee

Notes and Definitions

U Under Detection Limit
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, acetylene, 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 trichlorotrifluoroethane.