



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/6/2019-AK-01	<b>Date:</b> 6/6/2019	<b>Time:</b> 1:49:56 PM	<b>Coordinates:</b> 42.336453, -87.891671
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<b>Sampler:</b> A. Krein	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b>	<b>Start Time:</b> 6/6/2019 11:53 AM	<b>Stop Time:</b> 6/7/2019 11:20 AM	<b>Sample Period (min):</b> 1407	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 5

**Comments:**

Summa canister catalog # 29-10620  
Summa canister serial number = 203  
Galson summa canister serial number = WL238  
  
Galson regulator serial number = WR442  
  
Initial regulator vacuum =>30 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/6/2019-AK-02	<b>Date:</b> 6/6/2019	<b>Time:</b> 12:23:36 PM	<b>Coordinates:</b> 42.344879, -87.880102
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<b>Sampler:</b> A. Krein	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b>	<b>Start Time:</b> 6/6/2019 12:24 PM	<b>Stop Time:</b> 6/7/2019 11:52:43 AM	<b>Sample Period (min):</b> 1408.71667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29.5  
 Final Pressure (In Hg): 6

**Comments:**

Summa canister catalog # 26-10621  
 Summa canister serial number = 10531  
 Galson Summa canister serial number = WL 149  
  
 Galson regulator serial number = WR793  
  
 Initial regulator vacuum =>29.5 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/6/2019-AK-03	<b>Date:</b> 6/6/2019	<b>Time:</b> 12:48:34 PM	<b>Coordinates:</b> 42.337518, -87.881262
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<b>Sampler:</b> A. Krein	<b>Sample Location:</b> Greenbelt FP	<b>Pump ID:</b>	<b>Start Time:</b> 6/6/2019 12:52 PM	<b>Stop Time:</b> 6/7/2019 11:38:58 AM	<b>Sample Period (min):</b> 1366.96667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 1

**Comments:**

Summa Canister catalog # 10622QT  
Summa Canister serial number = 24047  
Galson summa canister serial number = WL277  
  
Galson regulator serial number = RR167  
  
Initial regulator vacuum => 30 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/6/2019-AK-04	<b>Date:</b> 6/6/2019	<b>Time:</b> 1:25:46 PM	<b>Coordinates:</b> 42.349668, -87.878647
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<b>Sampler:</b> A. Krein	<b>Sample Location:</b> Cristo Rey	<b>Pump ID:</b>	<b>Start Time:</b> 6/6/2019 1:25:58 PM	<b>Stop Time:</b> 6/7/2019 12:11:21 PM	<b>Sample Period (min):</b> 1365.38333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : > 30  
Final Pressure (In Hg): 8.5

**Comments:**

Summa canister catalog # 29-10620  
Summa canister serial number = 157  
Galson summa canister serial number = WL158  
  
Galson regulator serial number = WR440  
  
Initial regulator vacuum =>30 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/6/2019-AK-05	<b>Date:</b> 6/6/2019	<b>Time:</b> 1:48:14 PM	<b>Coordinates:</b> 42.389106, -87.890867
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<b>Sampler:</b> A.Krein	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b>	<b>Start Time:</b> 6/6/2019 1:50:02 PM	<b>Stop Time:</b> 6/7/2019 12:32:13 PM	<b>Sample Period (min):</b> 1362.18333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 4.5

**Comments:**

Summa canister catalog # 29-1061  
Summa canister serial number = 10518  
Galson summa canister serial number = WL101  
  
Galson regulator serial number = WR686  
  
Initial regulator vacuum = 29 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/6/2019-AK-06	<b>Date:</b> 6/6/2019	<b>Time:</b> 2:07:12 PM	<b>Coordinates:</b> 42.383001, -87.894175
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<b>Sampler:</b> A. Krein	<b>Sample Location:</b> Keith Lot	<b>Pump ID:</b>	<b>Start Time:</b> 6/6/2019 2:09:23 PM	<b>Stop Time:</b> 6/7/2019 12:51:05 PM	<b>Sample Period (min):</b> 1361.7	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : > 30  
Final Pressure (In Hg): 9

**Comments:**

Summa canister PN # 10622QT  
Summa canister serial number = 24064  
Galson summa canister serial number = WL263  
  
Galson regulator serial number = WR582  
  
Initial regulator vacuum = > 30in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/6/2019-AK-07	<b>Date:</b> 6/6/2019	<b>Time:</b> 2:21:06 PM	<b>Coordinates:</b> 42.380543, -87.899384
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<b>Sampler:</b> A. Krein	<b>Sample Location:</b> Gallagher Company	<b>Pump ID:</b>	<b>Start Time:</b> 6/6/2019 2:26:58 PM	<b>Stop Time:</b> 6/7/2019 1:01:58 PM	<b>Sample Period (min):</b> 1355	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 21

**Comments:**

Summa canister Catalog number = 29-10620  
Summa canister serial number = 167  
Galson summa canister serial number = WL188  
  
Galson regulator serial number = WR497  
  
Initial regulator vacuum = > 30in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/6/2019-AK-08	<b>Date:</b> 6/6/2019	<b>Time:</b> 2:39:28 PM	<b>Coordinates:</b> 42.377821, -87.899683
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<b>Sampler:</b> A. Krein	<b>Sample Location:</b> Gurnee Glass	<b>Pump ID:</b>	<b>Start Time:</b> 6/6/2019 2:39:44 PM	<b>Stop Time:</b> 6/7/2019 1:17:42 PM	<b>Sample Period (min):</b> 1357.96667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 16

**Comments:**

Summa canister Catalog number = 29-10621  
Summa canister serial number = 10672  
Galson summa canister serial number = WL017  
  
Galson regulator serial number = WR684  
  
Initial regulator vacuum = > 30in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/6/2019-AK-09	<b>Date:</b> 6/6/2019	<b>Time:</b> 2:59:49 PM	<b>Coordinates:</b> 42.355837, -87.910388
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<b>Sampler:</b> A. Krein	<b>Sample Location:</b> O' Plaine Park	<b>Pump ID:</b>	<b>Start Time:</b> 6/6/2019 3:00:34 PM	<b>Stop Time:</b> 6/7/2019 1:36:17 PM	<b>Sample Period (min):</b> 1355.71667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) :  
Final Pressure (In Hg):

**Comments:**

Summa canister PN number = 10622QT  
Summa canister serial number = 29368  
Galson summa canister serial number = WL286  
  
Galson regulator serial number = RR167  
  
Initial regulator vacuum = Vacuum gauge malfunctioning

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/6/2019-AK-10	<b>Date:</b> 6/6/2019	<b>Time:</b> 3:25:28 PM	<b>Coordinates:</b> 42.364693, -87.970879
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<b>Sampler:</b> A. Krein	<b>Sample Location:</b> Woodland Middle School	<b>Pump ID:</b>	<b>Start Time:</b> 6/6/2019 3:26:17 PM	<b>Stop Time:</b> 6/7/2019 1:51:01 PM	<b>Sample Period (min):</b> 1344.73333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 2.5

**Comments:**

Summa canister catalog number = 29-10620  
Summa canister serial number = 189  
Galson summa canister serial number = WL174  
  
Galson regulator serial number = WR471  
  
Initial regulator vacuum = 29in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/7/2019-DS-01	<b>Date:</b> 6/7/2019	<b>Time:</b> 11:19:53 AM	<b>Coordinates:</b> 42.336422, -87.891699
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<b>Sampler:</b> D. Showalter	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b>	<b>Start Time:</b> 6/7/2019 11:25 AM	<b>Stop Time:</b> 6/8/2019 10:39:07 AM	<b>Sample Period (min):</b> 1394.11667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 20

**Comments:**

Summa canister catalog number = 29-10620  
Summa canister serial number = 188  
Galson summa canister serial number = WL166  
  
Galson regulator serial number = WR405  
  
Initial regulator vacuum = >30in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/7/2019-DS-02	<b>Date:</b> 6/7/2019	<b>Time:</b> 11:55:05 AM	<b>Coordinates:</b> 42.344818, -87.880131
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<b>Sampler:</b> D. Showalter	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b>	<b>Start Time:</b> 6/7/2019 11:57:58 AM	<b>Stop Time:</b> 6/8/2019 10:51:09 AM	<b>Sample Period (min):</b> 1373.18333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 13

**Comments:**

Summa canister catalog # 10622QT  
Summa canister serial number = 24056  
Galson Summa canister serial number = WL 279

Galson regulator serial number = WR682

Initial regulator vacuum =>30 in Hg





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/7/2019-DS-03	<b>Date:</b> 6/7/2019	<b>Time:</b> 12:33:06 PM	<b>Coordinates:</b> 42.389192, -87.890866
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<b>Sampler:</b> D. Showalter	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b>	<b>Start Time:</b> 6/7/2019 12:34:57 PM	<b>Stop Time:</b> 6/8/2019 11:01 AM	<b>Sample Period (min):</b> 1346.05	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
 Final Pressure (In Hg): >30

**Comments:**

Summa canister catalog # 10622QT  
 Summa canister serial number = 24017  
 Galson Summa canister serial number = WL 274  
  
 Galson regulator serial number = RR146  
  
 Initial regulator vacuum =>30 in Hg  
  
 Final pressure was still >30 after 24 hours

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/7/2019-DS-04	<b>Date:</b> 6/7/2019	<b>Time:</b> 1:03:40 PM	<b>Coordinates:</b> 42.380318, -87.899266
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<b>Sampler:</b> D. Showalter	<b>Sample Location:</b> Gallagher Company	<b>Pump ID:</b>	<b>Start Time:</b> 6/7/2019 1:07:47 PM	<b>Stop Time:</b> 6/8/2019 11:24:21 AM	<b>Sample Period (min):</b> 1336.56667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 12

**Comments:**

Summa canister catalog # 29-10621  
Summa canister serial number = 10740  
Galson Summa canister serial number = WL 096  
  
Galson regulator serial number = RR142  
  
Initial regulator vacuum =>30 in Hg  
  
Moved sampling location ~100 feet north into cut grass, southwest of building.

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/9/2019-DS-05	<b>Date:</b> 6/9/2019	<b>Time:</b> 11:02:21 AM	<b>Coordinates:</b> 42.336664, -87.891511
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<b>Sampler:</b> DS	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b>	<b>Start Time:</b> 6/9/2019 11:03:26 AM	<b>Stop Time:</b> 6/10/2019 10:55 AM	<b>Sample Period (min):</b> 1431.56667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 28  
 Final Pressure (In Hg): 3

**Comments:**

Summa canister catalog # 29-10621  
 Summa canister serial number = 14106  
 Galson Summa canister serial number = WL237

Galson regulator serial number = 06020

Initial regulator vacuum =>30 in Hg





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/9/2019-DS-06	<b>Date:</b> 6/9/2019	<b>Time:</b> 11:17:14 AM	<b>Coordinates:</b> 42.337461, -87.881134
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<b>Sampler:</b> DS	<b>Sample Location:</b> Greenbelt FP	<b>Pump ID:</b>	<b>Start Time:</b> 6/9/2019 11:20:23 AM	<b>Stop Time:</b> 6/10/2019 11:07:30 AM	<b>Sample Period (min):</b> 1427.11667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 8

**Comments:**

Summa canister catalog #  
Summa canister serial number = 24051  
Galson Summa canister serial number = WL285  
  
Galson regulator serial number = 10137  
  
Initial regulator vacuum =>30 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/9/2019-DS-07	<b>Date:</b> 6/9/2019	<b>Time:</b> 11:34:37 AM	<b>Coordinates:</b> 42.344809, -87.880007
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<b>Sampler:</b> DS	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b>	<b>Start Time:</b> 6/9/2019 11:35:15 AM	<b>Stop Time:</b> 6/10/2019 11:16:46 AM	<b>Sample Period (min):</b> 1421.51667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : 28  
Final Pressure (In Hg): 4

**Comments:**  
  
Summa canister catalog # 29-10629  
Summa canister serial number = 225  
Galson Summa canister serial number = WL204  
  
Galson regulator serial number = 10723  
  
Initial regulator vacuum = 28 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/9/2019-DS-08	<b>Date:</b> 6/9/2019	<b>Time:</b> 11:48:12 AM	<b>Coordinates:</b> 42.349704, -87.878310
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<b>Sampler:</b> DS	<b>Sample Location:</b> Cristo Rey	<b>Pump ID:</b>	<b>Start Time:</b> 6/9/2019 11:48:50 AM	<b>Stop Time:</b> 6/10/2019 11:23:13 AM	<b>Sample Period (min):</b> 1414.38333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 25  
Final Pressure (In Hg): 5

**Comments:**

Summa canister catalog # 29-9621

Summa canister serial number = 13965

Galson Summa canister serial number = WL257

Galson regulator serial number = Not able to read

Initial regulator vacuum = 25 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/9/2019-DS-09	<b>Date:</b> 6/9/2019	<b>Time:</b> 12:08:58 PM	<b>Coordinates:</b> 42.389147, -87.890701
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<b>Sampler:</b> DS	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b>	<b>Start Time:</b> 6/9/2019 12:10:18 PM	<b>Stop Time:</b> 6/10/2019 11:40:20 AM	<b>Sample Period (min):</b> 1410.03333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 21

**Comments:**

Summa canister catalog # 29-10621  
Summa canister serial number = 10711  
Galson Summa canister serial number = WL056

Galson regulator serial number = 04356

Initial regulator vacuum = >30 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/9/2019-DS-010	<b>Date:</b> 6/9/2019	<b>Time:</b> 12:22 PM	<b>Coordinates:</b> 42.382989, -87.894250
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<b>Sampler:</b> DS	<b>Sample Location:</b> Keith Lot	<b>Pump ID:</b>	<b>Start Time:</b> 6/9/2019 12:23:42 PM	<b>Stop Time:</b> 6/10/2019 11:46:46 AM	<b>Sample Period (min):</b> 1403.06667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 14

**Comments:**

Summa canister catalog # 29-10621  
Summa canister serial number = 10491  
Galson Summa canister serial number = WL131

Galson regulator serial number = 06730

Initial regulator vacuum = >30 in Hg

Photo:





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/9/2019-DS-11	<b>Date:</b> 6/9/2019	<b>Time:</b> 12:36:55 PM	<b>Coordinates:</b> 42.380468, -87.899285
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<b>Sampler:</b> DS	<b>Sample Location:</b> Gallagher Company	<b>Pump ID:</b>	<b>Start Time:</b> 6/9/2019 12:36:59 PM	<b>Stop Time:</b> 6/10/2019 11:56:27 AM	<b>Sample Period (min):</b> 1399.46667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : 28  
Final Pressure (In Hg): 5

**Comments:**

Summa canister catalog # 29-10620  
Summa canister serial number = 219  
Galson Summa canister serial number = WL213

Galson regulator serial number = 04371

Initial regulator vacuum = 28 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/9/2019-DS-12	<b>Date:</b> 6/9/2019	<b>Time:</b> 12:53:22 PM	<b>Coordinates:</b> 42.377543, -87.899483
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<b>Sampler:</b> DS	<b>Sample Location:</b> Gurnee Glass	<b>Pump ID:</b>	<b>Start Time:</b> 6/9/2019 12:54:03 PM	<b>Stop Time:</b> 6/10/2019 12:18:10 PM	<b>Sample Period (min):</b> 1404.11667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 9

**Comments:**

Summa canister catalog # 29-10621  
Summa canister serial number = 10717  
Galson Summa canister serial number = WL046  
  
Galson regulator serial number = 07501  
  
Initial regulator vacuum = >30 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/9/2019-DS-13	<b>Date:</b> 6/9/2019	<b>Time:</b> 1:23:27 PM	<b>Coordinates:</b> 42.355854, -87.910520
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<b>Sampler:</b> DS	<b>Sample Location:</b> O'Plaine Park	<b>Pump ID:</b>	<b>Start Time:</b> 6/9/2019 1:24:29 PM	<b>Stop Time:</b> 6/10/2019 12:34:14 PM	<b>Sample Period (min):</b> 1389.75	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 8

**Comments:**

Summa canister catalog # 29-10620  
Summa canister serial number = 163  
Galson Summa canister serial number = WL187  
  
Galson regulator serial number =  
  
Initial regulator vacuum = 30 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/9/2019-DS-14	<b>Date:</b> 6/9/2019	<b>Time:</b> 1:38:06 PM	<b>Coordinates:</b> 42.364962, -87.970819
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<b>Sampler:</b> DS	<b>Sample Location:</b> Woodland Middle School	<b>Pump ID:</b>	<b>Start Time:</b> 6/9/2019 1:49:14 PM	<b>Stop Time:</b> 6/10/2019 12:50:18 PM	<b>Sample Period (min):</b> 1381.06667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 24

**Comments:**

Summa canister catalog # 29-10621  
Summa canister serial number = 10613  
Galson Summa canister serial number = WL077

Galson regulator serial number = 07501

Initial regulator vacuum = 30 in Hg

Tripod and canister were on the ground

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/12/2019-DS-15	<b>Date:</b> 6/12/2019	<b>Time:</b> 10:44:42 AM	<b>Coordinates:</b> 42.336629, -87.891564
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<b>Sampler:</b> DS	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b>	<b>Start Time:</b> 6/12/2019 10:48:07 AM	<b>Stop Time:</b> 6/13/2019 10:38:58 AM	<b>Sample Period (min):</b> 1430.85	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 7

**Comments:**  
  
Summa canister catalog # 29-10621  
Summa canister serial number = 13964  
Galson Summa canister serial number = WL258  
  
Galson regulator serial number = 04182  
  
Initial regulator vacuum = >30 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/12/2019-DS-16	<b>Date:</b> 6/12/2019	<b>Time:</b> 11:02:06 AM	<b>Coordinates:</b> 42.337423, -87.881214
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<b>Sampler:</b> DS	<b>Sample Location:</b> Greenbelt FP	<b>Pump ID:</b>	<b>Start Time:</b> 6/12/2019 11:06:48 AM	<b>Stop Time:</b> 6/13/2019 10:48:16 AM	<b>Sample Period (min):</b> 1421.46667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 25

**Comments:**  
  
Summa canister catalog # 29-10621  
Summa canister serial number = 10674  
Galson Summa canister serial number = WL019  
  
Galson regulator serial number = 07448  
  
Initial regulator vacuum = >30 in hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/12/2019-DS-17	<b>Date:</b> 6/12/2019	<b>Time:</b> 11:18:09 AM	<b>Coordinates:</b> 42.344881, -87.880080
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<b>Sampler:</b> DS	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b>	<b>Start Time:</b> 6/12/2019 11:20:10 AM	<b>Stop Time:</b> 6/13/2019 11:00:52 AM	<b>Sample Period (min):</b> 1420.7	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 8

**Comments:**

Summa canister catalog # 29-10621  
Summa canister serial number = 10498  
Galson Summa canister serial number = WL128  
  
Galson regulator serial number = 04358  
  
Initial regulator vacuum = 30 in hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/12/2019-DS-18	<b>Date:</b> 6/12/2019	<b>Time:</b> 11:25:31 AM	<b>Coordinates:</b> 42.349700, -87.878328
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<b>Sampler:</b> DS	<b>Sample Location:</b> Cristo Rey	<b>Pump ID:</b>	<b>Start Time:</b> 6/12/2019 11:28:10 AM	<b>Stop Time:</b> 6/13/2019 11:06:13 AM	<b>Sample Period (min):</b> 1418.05	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 5

**Comments:**

Summa canister catalog # 29-10620  
Summa canister serial number = 193  
Galson Summa canister serial number = WL192  
  
Galson regulator serial number = 07455  
  
Initial regulator vacuum = >30 in hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/12/2019-DS-19	<b>Date:</b> 6/12/2019	<b>Time:</b> 11:44:41 AM	<b>Coordinates:</b> 42.389141, -87.890759
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<b>Sampler:</b> DS	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b>	<b>Start Time:</b> 6/12/2019 11:44:58 AM	<b>Stop Time:</b> 6/13/2019 11:22:49 AM	<b>Sample Period (min):</b> 1417.85	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
 Final Pressure (In Hg): 9

**Comments:**

Summa canister catalog # 29-10621  
 Summa canister serial number = 10673  
 Galson Summa canister serial number = WL021  
  
 Galson regulator serial number = 06051  
  
 Initial regulator vacuum = >30 in hg  
  
 Check coc

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/12/2019-DS-20	<b>Date:</b> 6/12/2019	<b>Time:</b> 11:51:57 AM	<b>Coordinates:</b> 42.383088, -87.894226
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<b>Sampler:</b> DS	<b>Sample Location:</b> Keith Lot	<b>Pump ID:</b>	<b>Start Time:</b> 6/12/2019 11:54 AM	<b>Stop Time:</b> 6/13/2019 11:31:07 AM	<b>Sample Period (min):</b> 1417.11667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 0

**Comments:**

Summa canister catalog # 29-10621  
Summa canister serial number = 10469  
Galson Summa canister serial number = WL138  
  
Galson regulator serial number = 04145  
  
Initial regulator vacuum = >30 in hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/12/2019-DS-21	<b>Date:</b> 6/12/2019	<b>Time:</b> 12:05:37 PM	<b>Coordinates:</b> 42.377577, -87.899494
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<b>Sampler:</b> DS	<b>Sample Location:</b> Gurnee Glass	<b>Pump ID:</b>	<b>Start Time:</b> 6/12/2019 12:13:30 PM	<b>Stop Time:</b> 6/13/2019 11:56:23 AM	<b>Sample Period (min):</b> 1422.88333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 12

**Comments:**

Summa canister catalog # 29-10620  
Summa canister serial number = 187  
Galson Summa canister serial number = WL175

Galson regulator serial number = 07472

Initial regulator vacuum = >30 in hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/12/2019-DS-22	<b>Date:</b> 6/12/2019	<b>Time:</b> 12:19:36 PM	<b>Coordinates:</b> 42.380545, -87.899784
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<b>Sampler:</b> DS	<b>Sample Location:</b> Gallagher Company	<b>Pump ID:</b>	<b>Start Time:</b> 6/12/2019 12:28:45 PM	<b>Stop Time:</b> 6/13/2019 11:46 AM	<b>Sample Period (min):</b> 1397.25	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 27  
 Final Pressure (In Hg): 5

**Comments:**

Summa canister catalog # 29-10620  
 Summa canister serial number = 240  
 Galson Summa canister serial number = WL225  
  
 Galson regulator serial number = 10132  
  
 Initial regulator vacuum = 27 in hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/12/2019-DS-23	<b>Date:</b> 6/12/2019	<b>Time:</b> 12:50:37 PM	<b>Coordinates:</b> 42.355855, -87.910344
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<b>Sampler:</b> DS	<b>Sample Location:</b> O'Plaine Park	<b>Pump ID:</b>	<b>Start Time:</b> 6/12/2019 12:52:32 PM	<b>Stop Time:</b> 6/13/2019 12:10:07 PM	<b>Sample Period (min):</b> 1397.58333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
 Final Pressure (In Hg): 8

**Comments:**

Summa canister catalog # 29-10621  
 Summa canister serial number = 10624  
 Galson Summa canister serial number = WL088  
  
 Galson regulator serial number = 06034  
  
 Initial regulator vacuum = >30 in hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/12/2019-DS-24	<b>Date:</b> 6/12/2019	<b>Time:</b> 1:10:39 PM	<b>Coordinates:</b> 42.365071, -87.970987
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<b>Sampler:</b> DS	<b>Sample Location:</b> Woodland Middle School	<b>Pump ID:</b>	<b>Start Time:</b> 6/12/2019 1:15:48 PM	<b>Stop Time:</b> 6/13/2019 12:25:20 PM	<b>Sample Period (min):</b> 1389.53333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 7

**Comments:**

Summa canister catalog # 10622QT  
Summa canister serial number = 24061  
Galson Summa canister serial number = WL202  
  
Galson regulator serial number = 04242  
  
Initial regulator vacuum = 30 in hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/14/2019-KS-01	<b>Date:</b> 6/14/2019	<b>Time:</b> 10:30:37 AM	<b>Coordinates:</b> 42.336505, -87.891502
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b>	<b>Start Time:</b> 6/14/2019 10:33:39 AM	<b>Stop Time:</b> 6/15/2019 9:27:23 AM	<b>Sample Period (min):</b> 1373.73333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 7

**Comments:**

Summa canister serial number = A21046  
Other serial number = 03688

regulator serial number = 10314  
ERG : PR-40

Initial regulator vacuum = >30 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/14/2019-KS-02	<b>Date:</b> 6/14/2019	<b>Time:</b> 11:04:49 AM	<b>Coordinates:</b> 42.344713, -87.879980
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b>	<b>Start Time:</b> 6/14/2019 11:07:11 AM	<b>Stop Time:</b> 6/15/2019 10:06:33 AM	<b>Sample Period (min):</b> 1379.36667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 29  
 Final Pressure (In Hg): 7

**Comments:**  
 Summa canister serial number = N4117  
 Other serial number = N/A  
 regulator serial number = 10076  
 ERG : PR-30  
 Initial regulator vacuum = 29 in Hg





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/14/2019-KS-03	<b>Date:</b> 6/14/2019	<b>Time:</b> 11:48:33 AM	<b>Coordinates:</b> 42.389164, -87.890820
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b>	<b>Start Time:</b> 6/14/2019 11:50:55 AM	<b>Stop Time:</b> 6/15/2019 10:55:07 AM	<b>Sample Period (min):</b> 1384.2	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 29  
 Final Pressure (In Hg): 6

**Comments:**  
 Summa canister serial number = 5043  
 Other serial number = 090550  
 regulator serial number = 10313  
 ERG : PR-39  
 Initial regulator vacuum = 29 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/14/2019-KS-04	<b>Date:</b> 6/14/2019	<b>Time:</b> 12:34:36 PM	<b>Coordinates:</b> 42.380355, -87.899104
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Gallagher Company	<b>Pump ID:</b> 18874	<b>Start Time:</b> 6/14/2019 12:35:13 PM	<b>Stop Time:</b> 6/15/2019 11:27:47 AM	<b>Sample Period (min):</b> 1372.56667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
 Final Pressure (In Hg): 7.5

**Comments:**

Summa canister serial number = 18874  
 Other serial number = 18874

regulator serial number = 10294  
 ERG : PR-35

Initial regulator vacuum = 29 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/15/2019-KS-05	<b>Date:</b> 6/15/2019	<b>Time:</b> 9:31:40 AM	<b>Coordinates:</b> 42.336569, -87.891493
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b>	<b>Start Time:</b> 6/15/2019 9:34:18 AM	<b>Stop Time:</b> 6/16/2019 8:34:28 AM	<b>Sample Period (min):</b> 1380.16667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 8

**Comments:**

Summa canister serial number = A21034  
Other serial number = 03688

regulator serial number = 10314  
ERG : PR-40

Initial regulator vacuum = 30 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/15/2019-KS-06	<b>Date:</b> 6/15/2019	<b>Time:</b> 9:51:53 AM	<b>Coordinates:</b> 42.337356, -87.881192
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Greenbelt FP	<b>Pump ID:</b>	<b>Start Time:</b> 6/15/2019 9:52:46 AM	<b>Stop Time:</b> 6/16/2019 8:51:41 AM	<b>Sample Period (min):</b> 1378.91667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28.5  
 Final Pressure (In Hg): 28.5

**Comments:**

Summa canister serial number = SAT 185  
 Other serial number = A6657  
  
 regulator serial number = 10293  
 ERG : PR-34  
  
 Initial regulator vacuum = 30 in Hg  
  
 Regulator did not function properly, same pressure at deployment and pickup. Water-logged spider web (?) material blocked intake of regulator.

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/15/2019-KS-07	<b>Date:</b> 6/15/2019	<b>Time:</b> 10:10:12 AM	<b>Coordinates:</b> 42.344813, -87.880057
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b>	<b>Start Time:</b> 6/15/2019 10:12:21 AM	<b>Stop Time:</b> 6/16/2019 9:12:45 AM	<b>Sample Period (min):</b> 1380.4	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 8

**Comments:**

Summa canister serial number = SAT 172  
Other serial number = A6710

regulator serial number = 10076  
ERG : PR-30

Initial regulator vacuum = 29 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/15/2019-KS-08	<b>Date:</b> 6/15/2019	<b>Time:</b> 10:17:46 AM	<b>Coordinates:</b> 42.344947, -87.880038
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b>	<b>Start Time:</b> 6/15/2019 10:20:44 AM	<b>Stop Time:</b> 6/16/2019 9:15:24 AM	<b>Sample Period (min):</b> 1374.66667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : >30  
 Final Pressure (In Hg): 12.5

**Comments:**  
 Summa canister serial number = 169  
 Galson serial number = WL199  
 regulator serial number = WR404  
 Galson number: 04284  
 Initial regulator vacuum = >30 in Hg  
 Field duplicate

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/15/2019-KS-09	<b>Date:</b> 6/15/2019	<b>Time:</b> 10:33:58 AM	<b>Coordinates:</b> 42.349770, -87.878199
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Cristo Rey	<b>Pump ID:</b>	<b>Start Time:</b> 6/15/2019 10:34:27 AM	<b>Stop Time:</b> 6/16/2019 9:33:35 AM	<b>Sample Period (min):</b> 1379.13333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28  
Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = 19662  
Other serial number = 19662

regulator serial number = 10310  
ERG : PR-36

Initial regulator vacuum = 28 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/15/2019-KS-10	<b>Date:</b> 6/15/2019	<b>Time:</b> 10:57:48 AM	<b>Coordinates:</b> 42.389393, -87.890500
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b> 5087	<b>Start Time:</b> 6/15/2019 10:59:55 AM	<b>Stop Time:</b> 6/16/2019 10:06:32 AM	<b>Sample Period (min):</b> 1386.61667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28  
 Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = 5087  
 Other serial number = 090553

regulator serial number = 10313  
 ERG : PR-39

Initial regulator vacuum = 28 in Hg

Other team is sampling at this site

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/15/2019-KS-11	<b>Date:</b> 6/15/2019	<b>Time:</b> 11:15:54 AM	<b>Coordinates:</b> 42.382948, -87.894246
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Keith Lot	<b>Pump ID:</b> 19298	<b>Start Time:</b> 6/15/2019 11:16:30 AM	<b>Stop Time:</b> 6/16/2019 10:21:04 AM	<b>Sample Period (min):</b> 1384.56667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 29  
 Final Pressure (In Hg): 6

**Comments:**  
 Summa canister serial number = 19298  
 Other serial number = 19298  
 regulator serial number = 10312  
 ERG : PR-38  
 Initial regulator vacuum = 29 in Hg  
 Other team sampling here

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/15/2019-KS-12	<b>Date:</b> 6/15/2019	<b>Time:</b> 11:31:46 AM	<b>Coordinates:</b> 42.380419, -87.899346
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Gallagher Company	<b>Pump ID:</b> SAT099	<b>Start Time:</b> 6/15/2019 11:32:46 AM	<b>Stop Time:</b> 6/16/2019 10:35:38 AM	<b>Sample Period (min):</b> 1382.86667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 7.5

**Comments:**

Summa canister serial number = SAT099  
Other serial number = N/A

regulator serial number = 10294  
ERG : PR-35

Initial regulator vacuum = 29 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/15/2019-KS-13	<b>Date:</b> 6/15/2019	<b>Time:</b> 12:03:17 PM	<b>Coordinates:</b> 42.377866, -87.899604
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Gurnee Glass	<b>Pump ID:</b> SAT044	<b>Start Time:</b> 6/15/2019 12:03:54 PM	<b>Stop Time:</b> 6/16/2019 10:46:57 AM	<b>Sample Period (min):</b> 1363.05	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 27.5  
Final Pressure (In Hg): 6.5

**Comments:**

Summa canister serial number = SAT044  
Other serial number = A6540

regulator serial number = 10311  
ERG : PR-37

Initial regulator vacuum = 27.5 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/15/2019-KS-14	<b>Date:</b> 6/15/2019	<b>Time:</b> 12:26:21 PM	<b>Coordinates:</b> 42.355603, -87.910434
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> O'Plaine Park	<b>Pump ID:</b> 5075	<b>Start Time:</b> 6/15/2019 12:27:55 PM	<b>Stop Time:</b> 6/16/2019 11:04:05 AM	<b>Sample Period (min):</b> 1356.16667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 29.5  
 Final Pressure (In Hg): 9.5

**Comments:**  
 Summa canister serial number = 5075  
 Other serial number = 090529  
 regulator serial number = 10315  
 ERG : PR-41  
 Initial regulator vacuum = 29.5 in Hg





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/15/2019-KS-15	<b>Date:</b> 6/15/2019	<b>Time:</b> 1:00:01 PM	<b>Coordinates:</b> 42.364918, -87.970953
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Woodland Middle School	<b>Pump ID:</b> 5071	<b>Start Time:</b> 6/15/2019 1:00:36 PM	<b>Stop Time:</b> 6/16/2019 11:44:42 AM	<b>Sample Period (min):</b> 1364.1	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28  
Final Pressure (In Hg): 9

**Comments:**

Summa canister serial number = 5071  
Other serial number = 090525

regulator serial number = 10077  
ERG : PR-31

Initial regulator vacuum = 28 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

**Client Name:**  
Village of Gurnee  
**Project Number:**  
11197130

**Site Location:**  
Village of Gurnee, IL  
**Project Name:**  
Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/17/2019-KS-16	<b>Date:</b> 6/17/2019	<b>Time:</b> 10:32:42 AM	<b>Coordinates:</b> 42.336611, -87.891532
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b> 19643	<b>Start Time:</b> 6/17/2019 10:35:18 AM	<b>Stop Time:</b> 6/18/2019 10:06:16 AM	<b>Sample Period (min):</b> 1410.96667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 5.5

**Comments:**

Summa canister serial number = 19643  
Other serial number = 19643

regulator serial number = 10314  
ERG : PR-40

Initial regulator vacuum = 30 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/17/2019-KS-17	<b>Date:</b> 6/17/2019	<b>Time:</b> 10:40:06 AM	<b>Coordinates:</b> 42.336563, -87.891378
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b> 10630	<b>Start Time:</b> 6/17/2019 10:43:33 AM	<b>Stop Time:</b> 6/18/2019 10:08:08 AM	<b>Sample Period (min):</b> 1404.58333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 17  
Final Pressure (In Hg): 3

**Comments:**

Summa canister serial number = 10630  
Galson serial number = WL002  
  
regulator serial number = WR595  
Galson number: 04637  
  
Initial regulator vacuum = 17 in Hg  
  
Galson Field duplicate

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/17/2019-KS-18	<b>Date:</b> 6/17/2019	<b>Time:</b> 11:15:48 AM	<b>Coordinates:</b> 42.344768, -87.880026
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b> 5015	<b>Start Time:</b> 6/17/2019 11:18:01 AM	<b>Stop Time:</b> 6/18/2019 10:52:10 AM	<b>Sample Period (min):</b> 1414.15	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 7

**Comments:**  
  
Summa canister serial number = 5015  
Other serial number = 090512  
  
regulator serial number = 10076  
ERG : PR-30  
  
Initial regulator vacuum = 29 in Hg





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/17/2019-KS-19	<b>Date:</b> 6/17/2019	<b>Time:</b> 12:00:57 PM	<b>Coordinates:</b> 42.389254, -87.890772
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b> 18833	<b>Start Time:</b> 6/17/2019 12:01:46 PM	<b>Stop Time:</b> 6/18/2019 11:29:46 AM	<b>Sample Period (min):</b> 1408	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : 28.5  
Final Pressure (In Hg): 4

**Comments:**  
  
Summa canister serial number = 18833  
Other serial number = 18833  
  
regulator serial number = 10313  
ERG : PR-39  
  
Initial regulator vacuum = 28.5 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/17/2019-KS-20	<b>Date:</b> 6/17/2019	<b>Time:</b> 12:33:34 PM	<b>Coordinates:</b> 42.380660, -87.899306
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Gallagher Company	<b>Pump ID:</b> SAT119	<b>Start Time:</b> 6/17/2019 12:35:45 PM	<b>Stop Time:</b> 6/18/2019 12:28:41 PM	<b>Sample Period (min):</b> 1432.93333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 5

**Comments:**

Summa canister serial number = SAT119  
Other serial number = A6703

regulator serial number = 10294  
ERG : PR-35

Initial regulator vacuum = 29 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/18/2019-KS-21	<b>Date:</b> 6/18/2019	<b>Time:</b> 10:09:49 AM	<b>Coordinates:</b> 42.336540, -87.891510
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b> 5114	<b>Start Time:</b> 6/18/2019 10:12:56 AM	<b>Stop Time:</b> 6/19/2019 9:52:09 AM	<b>Sample Period (min):</b> 1419.21667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 30  
 Final Pressure (In Hg): 7

**Comments:**

Summa canister serial number = 5114  
 Other serial number = 090695

regulator serial number = 10314  
 ERG : PR-40

Initial regulator vacuum = 30 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/18/2019-KS-22	<b>Date:</b> 6/18/2019	<b>Time:</b> 10:36:30 AM	<b>Coordinates:</b> 42.337323, -87.881234
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Greenbelt FP	<b>Pump ID:</b> 19279	<b>Start Time:</b> 6/18/2019 10:37:10 AM	<b>Stop Time:</b> 6/19/2019 10:06:50 AM	<b>Sample Period (min):</b> 1409.66667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28  
 Final Pressure (In Hg): 5

**Comments:**

Summa canister serial number = 19279  
 Other serial number =19279

regulator serial number = 10078  
 ERG : PR-32

Initial regulator vacuum = 28 in Hg

Changed regulators due to last deployment malfunction

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/18/2019-KS-23	<b>Date:</b> 6/18/2019	<b>Time:</b> 10:56:08 AM	<b>Coordinates:</b> 42.344815, -87.879990
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b> A21084	<b>Start Time:</b> 6/18/2019 10:56:49 AM	<b>Stop Time:</b> 6/19/2019 10:20:49 AM	<b>Sample Period (min):</b> 1404	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 7

**Comments:**

Summa canister serial number = A21084  
Other serial number = 03667

regulator serial number = 10076  
ERG : PR-30

Initial regulator vacuum = 29 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/18/2019-KS-24	<b>Date:</b> 6/18/2019	<b>Time:</b> 11:09:06 AM	<b>Coordinates:</b> 42.349676, -87.878514
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Cristo Rey	<b>Pump ID:</b> 19642	<b>Start Time:</b> 6/18/2019 11:11:12 AM	<b>Stop Time:</b> 6/19/2019 10:25:56 AM	<b>Sample Period (min):</b> 1394.73333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28  
Final Pressure (In Hg): 5

**Comments:**

Summa canister serial number = 19642  
Other serial number = 19642

regulator serial number = 10310  
ERG : PR-36

Initial regulator vacuum = 28 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/18/2019-KS-25	<b>Date:</b> 6/18/2019	<b>Time:</b> 11:34:17 AM	<b>Coordinates:</b> 42.389265, -87.890677
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b> 5051	<b>Start Time:</b> 6/18/2019 11:35:01 AM	<b>Stop Time:</b> 6/19/2019 10:44:44 AM	<b>Sample Period (min):</b> 1389.71667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28.5  
Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = 5051  
Other serial number = 5051

regulator serial number = 10313  
ERG : PR-39

Initial regulator vacuum = 28.5 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/18/2019-KS-26	<b>Date:</b> 6/18/2019	<b>Time:</b> 11:39:06 AM	<b>Coordinates:</b> 42.389394, -87.890762
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b> WL150	<b>Start Time:</b> 6/18/2019 11:39:51 AM	<b>Stop Time:</b> 6/19/2019 10:42:54 AM	<b>Sample Period (min):</b> 1383.05	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28  
Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = 10532  
Galson serial number = WL150  
  
regulator serial number = WR547  
Galson number: 04464  
  
Initial regulator vacuum = 28 in Hg  
  
Galson Field duplicate  
  
Other team deployed duplicates at this location

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/18/2019-KS-27	<b>Date:</b> 6/18/2019	<b>Time:</b> 12:01:12 PM	<b>Coordinates:</b> 42.383016, -87.894260
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Keith Lot	<b>Pump ID:</b> 19650	<b>Start Time:</b> 6/18/2019 12:01:44 PM	<b>Stop Time:</b> 6/19/2019 10:53:39 AM	<b>Sample Period (min):</b> 1371.91667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = 19650  
Other serial number = 19650

regulator serial number = 10312  
ERG : PR-38

Initial regulator vacuum = 29 in Hg

Other team sampling here

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/18/2019-KS-28	<b>Date:</b> 6/18/2019	<b>Time:</b> 12:32:05 PM	<b>Coordinates:</b> 42.380501, -87.899089
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Gallagher company	<b>Pump ID:</b> A21044	<b>Start Time:</b> 6/18/2019 12:32:43 PM	<b>Stop Time:</b> 6/19/2019 11:04:06 AM	<b>Sample Period (min):</b> 1351.38333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 8

**Comments:**  
  
Summa canister serial number = A21044  
Other serial number = 03724  
  
regulator serial number = 10294  
ERG : PR-35  
  
Initial regulator vacuum = 29 in Hg

**Photo:**



GURNEE  
Government Property  
Air Monitoring in Progress  
USE ONLY APPROVED AIR MONITORING EQUIPMENT AND THE REPORTS OF THE USE.  
RESULTS MAY BE SUBJECT TO QUALIFICATION.  
USE REPORTS MAY BE SUBJECT TO VERIFICATION.  
For questions, please email: [Paul@GHD.com](mailto:Paul@GHD.com)



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/18/2019-KS-29	<b>Date:</b> 6/18/2019	<b>Time:</b> 12:49:22 PM	<b>Coordinates:</b> 42.377725, -87.899591
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Gurnee Glass	<b>Pump ID:</b> SAT111	<b>Start Time:</b> 6/18/2019 12:49:57 PM	<b>Stop Time:</b> 6/19/2019 11:12:40 AM	<b>Sample Period (min):</b> 1342.71667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 27.5  
Final Pressure (In Hg): 8

**Comments:**

Summa canister serial number = SAT111  
Other serial number = A6683

regulator serial number = 10311  
ERG : PR-37

Initial regulator vacuum = 27.5 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/18/2019-KS-30	<b>Date:</b> 6/18/2019	<b>Time:</b> 1:56:22 PM	<b>Coordinates:</b> 42.355731, -87.910291
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> O'Plain Park	<b>Pump ID:</b> A21086	<b>Start Time:</b> 6/18/2019 1:57:02 PM	<b>Stop Time:</b> 6/19/2019 11:28:14 AM	<b>Sample Period (min):</b> 1291.2	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 9

**Comments:**

Summa canister serial number = A21086  
Other serial number = 03554

regulator serial number = 10315  
ERG : PR-41

Initial regulator vacuum = 30 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/18/2019-KS-31	<b>Date:</b> 6/18/2019	<b>Time:</b> 2:24:23 PM	<b>Coordinates:</b> 42.364817, -87.970845
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<b>Sampler:</b> K. Schusler	<b>Sample Location:</b> Woodland Middle School	<b>Pump ID:</b> 18830	<b>Start Time:</b> 6/18/2019 2:24:59 PM	<b>Stop Time:</b> 6/19/2019 11:44:48 AM	<b>Sample Period (min):</b> 1279.81667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 28.5  
 Final Pressure (In Hg): 10

**Comments:**  
 Summa canister serial number = 18830  
 Other serial number = 18830  
 regulator serial number = 10077  
 ERG : PR-31  
 Initial regulator vacuum = 28.5 in Hg





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/21/2019-DS-25	<b>Date:</b> 6/21/2019	<b>Time:</b> 11:41:12 AM	<b>Coordinates:</b> 42.336941, -87.891217
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<b>Sampler:</b> DS	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b> A6557	<b>Start Time:</b> 6/21/2019 11:47 AM	<b>Stop Time:</b> 6/22/2019 10:07:39 AM	<b>Sample Period (min):</b> 1340.65	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 30  
 Final Pressure (In Hg): 8

**Comments:**

Summa canister serial number = A6557  
 Other serial number = 22107

regulator serial number = 10314  
 ERG : PR-40

Initial regulator vacuum = 30 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/21/2019-DS-26	<b>Date:</b> 6/21/2019	<b>Time:</b> 11:59:02 AM	<b>Coordinates:</b> 42.337570, -87.881301
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<b>Sampler:</b> DS	<b>Sample Location:</b> Greenbelt FP	<b>Pump ID:</b> A6658	<b>Start Time:</b> 6/21/2019 12:18:18 PM	<b>Stop Time:</b> 6/22/2019 10:20:33 AM	<b>Sample Period (min):</b> 1322.25	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) :  
 Final Pressure (In Hg):

**Comments:**  
 Summa canister serial number = A6658  
 Other serial number =22107  
 regulator serial number = 10078  
 ERG : PR-32  
 Initial regulator vacuum = in Hg  
 Needle was no longer functional on regulator

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/21/2019-DS-27	<b>Date:</b> 6/21/2019	<b>Time:</b> 12:01:04 PM	<b>Coordinates:</b> 42.337605, -87.881348
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<b>Sampler:</b> DS	<b>Sample Location:</b> Greenbelt FP	<b>Pump ID:</b> 194	<b>Start Time:</b> 6/21/2019 12:07:42 PM	<b>Stop Time:</b> 6/22/2019 10:20:39 AM	<b>Sample Period (min):</b> 1332.95	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 5

**Comments:**

Summa canister serial number = 194  
Galson serial number = WL193  
  
regulator serial number = WR617  
Galson number: 04543  
  
Initial regulator vacuum = 29 in Hg  
  
Galson Field duplicate

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/21/2019-DS-28	<b>Date:</b> 6/21/2019	<b>Time:</b> 12:36:08 PM	<b>Coordinates:</b> 42.344931, -87.880291
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<b>Sampler:</b> DS	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b> A21055	<b>Start Time:</b> 6/21/2019 12:41:29 PM	<b>Stop Time:</b> 6/22/2019 10:36:13 AM	<b>Sample Period (min):</b> 1314.73333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 8

**Comments:**

Summa canister serial number = A21055  
Other serial number = 03636

regulator serial number = 10076  
ERG : PR-30

Initial regulator vacuum = 29 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/21/2019-DS-29	<b>Date:</b> 6/21/2019	<b>Time:</b> 12:48:29 PM	<b>Coordinates:</b> 42.349896, -87.878539
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<b>Sampler:</b> DS	<b>Sample Location:</b> Cristo Rey	<b>Pump ID:</b> A6660	<b>Start Time:</b> 6/21/2019 12:52:35 PM	<b>Stop Time:</b> 6/22/2019 10:42:26 AM	<b>Sample Period (min):</b> 1309.85	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : 28  
Final Pressure (In Hg): 6.5

**Comments:**  
  
Summa canister serial number = A6660  
Other serial number = 22107  
  
regulator serial number = 10310  
ERG : PR-36  
  
Initial regulator vacuum = 28 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/21/2019-DS-30	<b>Date:</b> 6/21/2019	<b>Time:</b> 1:28:26 PM	<b>Coordinates:</b> 42.388955, -87.890102
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<b>Sampler:</b> DS	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b> N4096	<b>Start Time:</b> 6/21/2019 1:34:27 PM	<b>Stop Time:</b> 6/22/2019 11:21:04 AM	<b>Sample Period (min):</b> 1306.61667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28.5  
Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = N4096  
Other serial number = 27420

regulator serial number = 10313  
ERG : PR-39

Initial regulator vacuum = 28.5 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/21/2019-DS-31	<b>Date:</b> 6/21/2019	<b>Time:</b> 1:39:24 PM	<b>Coordinates:</b> 42.383156, -87.894232
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<b>Sampler:</b> DS	<b>Sample Location:</b> Keith Lot	<b>Pump ID:</b> 18821	<b>Start Time:</b> 6/21/2019 1:44:34 PM	<b>Stop Time:</b> 6/22/2019 11:30:44 AM	<b>Sample Period (min):</b> 1306.16667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 7

**Comments:**

Summa canister serial number = 18821  
Other serial number = 29-10621

regulator serial number = 10312  
ERG : PR-38

Initial regulator vacuum = 29 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/21/2019-DS-32	<b>Date:</b> 6/21/2019	<b>Time:</b> 1:54:46 PM	<b>Coordinates:</b> 42.380564, -87.899558
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<b>Sampler:</b> DS	<b>Sample Location:</b> Gallagher Company	<b>Pump ID:</b> 18822	<b>Start Time:</b> 6/21/2019 1:59:19 PM	<b>Stop Time:</b> 6/22/2019 11:39:37 AM	<b>Sample Period (min):</b> 1300.3	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 29  
 Final Pressure (In Hg): 8.5

**Comments:**  
 Summa canister serial number = 18822  
 Other serial number = 29-10621  
 regulator serial number = 10294  
 ERG : PR-35  
 Initial regulator vacuum = 29 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/21/2019-DS-33	<b>Date:</b> 6/21/2019	<b>Time:</b> 2:06 PM	<b>Coordinates:</b> 42.377468, -87.899244
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<b>Sampler:</b> DS	<b>Sample Location:</b> Gurnee Glass	<b>Pump ID:</b> 19282	<b>Start Time:</b> 6/21/2019 2:12:25 PM	<b>Stop Time:</b> 6/22/2019 11:46:30 AM	<b>Sample Period (min):</b> 1294.08333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 28  
 Final Pressure (In Hg): 8

**Comments:**  
 Summa canister serial number = 19282  
 Other serial number = 29-10621  
 regulator serial number = 10311  
 ERG : PR-37  
 Initial regulator vacuum = 28 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/21/2019-DS-34	<b>Date:</b> 6/21/2019	<b>Time:</b> 2:36:51 PM	<b>Coordinates:</b> 42.355786, -87.910258
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<b>Sampler:</b> DS	<b>Sample Location:</b> O'Plain Park	<b>Pump ID:</b> 090601	<b>Start Time:</b> 6/21/2019 2:38:39 PM	<b>Stop Time:</b> 6/22/2019 12:00:45 PM	<b>Sample Period (min):</b> 1282.1	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 10

**Comments:**

Summa canister serial number = 090601  
Other serial number = 0608

regulator serial number = 10315  
ERG : PR-41

Initial regulator vacuum = 30 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/21/2019-DS-35	<b>Date:</b> 6/21/2019	<b>Time:</b> 2:52:20 PM	<b>Coordinates:</b> 42.365004, -87.970987
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<b>Sampler:</b> DS	<b>Sample Location:</b> Woodland Middle School	<b>Pump ID:</b> A6655	<b>Start Time:</b> 6/21/2019 3:03:29 PM	<b>Stop Time:</b> 6/22/2019 12:15:03 PM	<b>Sample Period (min):</b> 1271.56667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28.5  
 Final Pressure (In Hg): 10

**Comments:**

Summa canister serial number = A6655  
 Other serial number = 22107

regulator serial number = 10077  
 ERG : PR-31

Initial regulator vacuum = 28.5 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/24/2019-DH-01	<b>Date:</b> 6/24/2019	<b>Time:</b> 11:48:09 AM	<b>Coordinates:</b> 42.336429, -87.891471
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<b>Sampler:</b> DH	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b> A6585	<b>Start Time:</b> 6/24/2019 11:51:35 AM	<b>Stop Time:</b> 6/25/2019 10:53:06 AM	<b>Sample Period (min):</b> 1381.51667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 30  
 Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = A6585  
 Other serial number = 22107

regulator serial number = 10314  
 ERG : PR-40

Initial regulator vacuum = 30 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/24/2019-DH-02	<b>Date:</b> 6/24/2019	<b>Time:</b> 12:09:30 PM	<b>Coordinates:</b> 42.337363, -87.881139
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<b>Sampler:</b> DH	<b>Sample Location:</b> Greenbelt FP	<b>Pump ID:</b> 090586	<b>Start Time:</b> 6/24/2019 12:13:26 PM	<b>Stop Time:</b> 6/25/2019 11:07:11 AM	<b>Sample Period (min):</b> 1373.75	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28  
Final Pressure (In Hg): 0

**Comments:**

Summa canister serial number = 090586  
Other serial number =0608  
  
regulator serial number = 10293  
ERG : PR-34  
  
Initial regulator vacuum = 28 in Hg  
  
Compression fitting wedge was initially reversed on flow controller. Vacuum dropped quickly initially. Shut off controller, removed and inspected. Reversed wedge, reinstalled and opened flow again. Pressure steady at 22.5".

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/24/2019-DH-03	<b>Date:</b> 6/24/2019	<b>Time:</b> 12:43:01 PM	<b>Coordinates:</b> 42.344820, -87.879951
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<b>Sampler:</b> DH	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b> 18872	<b>Start Time:</b> 6/24/2019 12:45:43 PM	<b>Stop Time:</b> 6/25/2019 11:19:27 AM	<b>Sample Period (min):</b> 1353.73333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28.5  
Final Pressure (In Hg): 7

**Comments:**

Summa canister serial number = 18872  
Other serial number = 29-10621

regulator serial number = 10076  
ERG : PR-30

Initial regulator vacuum = 28.5 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/24/2019-DH-04	<b>Date:</b> 6/24/2019	<b>Time:</b> 1:09:01 PM	<b>Coordinates:</b> 42.349893, -87.878228
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<b>Sampler:</b> DH	<b>Sample Location:</b> Cristo Rey	<b>Pump ID:</b> 03711	<b>Start Time:</b> 6/24/2019 1:11:04 PM	<b>Stop Time:</b> 6/25/2019 11:27:04 AM	<b>Sample Period (min):</b> 1336	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28  
 Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = 03711

Other serial number = 26065

Other serial number = A21074

regulator serial number = 10310

ERG : PR-36

Initial regulator vacuum = 28 in Hg

Duplicate sample being deployed for submittal to Galson.

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/24/2019-DH-05	<b>Date:</b> 6/24/2019	<b>Time:</b> 1:16:33 PM	<b>Coordinates:</b> 42.349809, -87.878390
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<b>Sampler:</b> DH	<b>Sample Location:</b> Cristo Rey	<b>Pump ID:</b> 179	<b>Start Time:</b> 6/24/2019 1:23 PM	<b>Stop Time:</b> 6/25/2019 11:27:25 AM	<b>Sample Period (min):</b> 1324.41667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 25.75  
Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = 179  
Other serial number = 29-10620  
Other serial number = WL231  
  
regulator serial number = 10140  
Galson: WR828  
  
Initial regulator vacuum = 25.75 in Hg  
  
This is a duplicate sample being deployed for submittal to Galson.

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/24/2019-DH-06	<b>Date:</b> 6/24/2019	<b>Time:</b> 1:45:22 PM	<b>Coordinates:</b> 42.389170, -87.890690
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<b>Sampler:</b> DH	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b> 090501	<b>Start Time:</b> 6/24/2019 1:47:24 PM	<b>Stop Time:</b> 6/25/2019 11:44:32 AM	<b>Sample Period (min):</b> 1317.13333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28  
Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = 090501  
Other serial number = 0608

regulator serial number = 10313  
ERG : PR-39

Initial regulator vacuum = 28 in Hg

Non-Lake County sample canister found deployed at this location.

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/24/2019-DH-07	<b>Date:</b> 6/24/2019	<b>Time:</b> 2:02:19 PM	<b>Coordinates:</b> 42.382978, -87.894336
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<b>Sampler:</b> DH	<b>Sample Location:</b> Keith Lot	<b>Pump ID:</b> A6569	<b>Start Time:</b> 6/24/2019 2:03:55 PM	<b>Stop Time:</b> 6/25/2019 11:53:21 AM	<b>Sample Period (min):</b> 1309.43333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28.5  
Final Pressure (In Hg): 7

**Comments:**

Summa canister serial number = A6569  
Other serial number = 22107

regulator serial number = 10312  
ERG : PR-38

Initial regulator vacuum = 28.5 in Hg

Non-Lake County canister found deployed at this location

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/24/2019-DH-08	<b>Date:</b> 6/24/2019	<b>Time:</b> 2:24:05 PM	<b>Coordinates:</b> 42.380351, -87.899352
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<b>Sampler:</b> DH	<b>Sample Location:</b> Gallagher Company	<b>Pump ID:</b> 03590	<b>Start Time:</b> 6/24/2019 2:26:55 PM	<b>Stop Time:</b> 6/25/2019 12:03 PM	<b>Sample Period (min):</b> 1296.08333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
 Final Pressure (In Hg): 8

**Comments:**

Summa canister serial number = 03590  
 Other serial number = 26080  
 Other serial number = A21089  
  
 regulator serial number = 10294  
 ERG : PR-35  
  
 Initial regulator vacuum = 29 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/24/2019-DH-09	<b>Date:</b> 6/24/2019	<b>Time:</b> 2:52:38 PM	<b>Coordinates:</b> 42.377728, -87.899734
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<b>Sampler:</b> DH	<b>Sample Location:</b> Gurnee Glass	<b>Pump ID:</b> A6698	<b>Start Time:</b> 6/24/2019 2:53:48 PM	<b>Stop Time:</b> 6/25/2019 12:16:34 PM	<b>Sample Period (min):</b> 1282.76667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 27  
Final Pressure (In Hg): 8

**Comments:**

Summa canister serial number = A6698  
Other serial number = 22107

regulator serial number = 10311  
ERG : PR-37

Initial regulator vacuum = 27 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/24/2019-DH-10	<b>Date:</b> 6/24/2019	<b>Time:</b> 3:16:59 PM	<b>Coordinates:</b> 42.355886, -87.910384
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<b>Sampler:</b> DH	<b>Sample Location:</b> O'Plaine Park	<b>Pump ID:</b> 18837	<b>Start Time:</b> 6/24/2019 3:18:34 PM	<b>Stop Time:</b> 6/25/2019 12:32:38 PM	<b>Sample Period (min):</b> 1274.06667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29.5  
Final Pressure (In Hg): 9

**Comments:**

Summa canister serial number = 18837  
Other serial number = 29-10621

regulator serial number = 10315  
ERG : PR-41

Initial regulator vacuum = 29.5 in Hg

**Photo:**

**GURNEE** **Lake County**  
**Government Property**  
**Air Monitoring in Progress**  
 DO NOT remove, damage or otherwise interfere with this equipment in any way.  
 Violators may be subject to prosecution.  
 This equipment may be subject to surveillance.  
 For questions, please email [HealthENS@lakecountyil.gov](mailto:HealthENS@lakecountyil.gov)



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/24/2019-DH-11	<b>Date:</b> 6/24/2019	<b>Time:</b> 3:40:53 PM	<b>Coordinates:</b> 42.364790, -87.970927
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<b>Sampler:</b> DH	<b>Sample Location:</b> Woodland Middle School	<b>Pump ID:</b> A6584	<b>Start Time:</b> 6/24/2019 3:43:39 PM	<b>Stop Time:</b> 6/25/2019 12:46:55 PM	<b>Sample Period (min):</b> 1263.26667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28  
Final Pressure (In Hg): 10

**Comments:**

Summa canister serial number = A6584  
Other serial number = 22107

regulator serial number = 10077  
ERG : PR-31

Initial regulator vacuum = 28 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/26/2019-DS-36	<b>Date:</b> 6/26/2019	<b>Time:</b> 11:45:13 AM	<b>Coordinates:</b> 42.336586, -87.891478
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<b>Sampler:</b> DS	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b> A21025	<b>Start Time:</b> 6/26/2019 11:40 AM	<b>Stop Time:</b> 6/27/2019 10:37:09 AM	<b>Sample Period (min):</b> 1377.15	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 7

**Comments:**  
  
Summa canister serial number = A21025  
Other serial number = 03670  
  
regulator serial number = 10314  
ERG : PR-40  
  
Initial regulator vacuum = 30 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/26/2019-DS-37	<b>Date:</b> 6/26/2019	<b>Time:</b> 11:55:26 AM	<b>Coordinates:</b> 42.344892, -87.880111
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<b>Sampler:</b> DS	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b> A6533	<b>Start Time:</b> 6/26/2019 12:03:05 PM	<b>Stop Time:</b> 6/27/2019 11:12:36 AM	<b>Sample Period (min):</b> 1389.51667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 29  
 Final Pressure (In Hg): 7.5

**Comments:**  
 Summa canister serial number = A6533  
 Other serial number = SAT008  
 regulator serial number = 10076  
 ERG : PR-30  
 Initial regulator vacuum = 29 in Hg





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/26/2019-DS-38	<b>Date:</b> 6/26/2019	<b>Time:</b> 12:18:09 PM	<b>Coordinates:</b> 42.388940, -87.890200
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<b>Sampler:</b> DS	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b> A6633	<b>Start Time:</b> 6/26/2019 12:26:14 PM	<b>Stop Time:</b> 6/27/2019 11:43:56 AM	<b>Sample Period (min):</b> 1397.7	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29.5  
 Final Pressure (In Hg): 5

**Comments:**

Summa canister serial number = A6633  
 Other serial number = SAT152

regulator serial number = 10313  
 ERG : PR-39

Initial regulator vacuum = 29.5 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/26/2019-DS-39	<b>Date:</b> 6/26/2019	<b>Time:</b> 12:35:01 PM	<b>Coordinates:</b> 42.380656, -87.899685
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<b>Sampler:</b> DS	<b>Sample Location:</b> Gallagher Company	<b>Pump ID:</b> A6580	<b>Start Time:</b> 6/26/2019 12:48:18 PM	<b>Stop Time:</b> 6/27/2019 12:16:29 PM	<b>Sample Period (min):</b> 1408.18333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 7

**Comments:**

Summa canister serial number = A6580

Other serial number = SAT031

Other serial number = 22107

regulator serial number = 10294

ERG : PR-35

Initial regulator vacuum = 30 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/26/2019-DS-40	<b>Date:</b> 6/26/2019	<b>Time:</b> 12:36:39 PM	<b>Coordinates:</b> 42.380587, -87.899554
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<b>Sampler:</b> DS	<b>Sample Location:</b> Gallagher Company	<b>Pump ID:</b> 183	<b>Start Time:</b> 6/26/2019 12:45:02 PM	<b>Stop Time:</b> 6/27/2019 12:16:45 PM	<b>Sample Period (min):</b> 1411.71667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 10

**Comments:**

Summa canister serial number = 183  
Other serial number = 29-10620  
Other serial number = WL199

regulator serial number = 04596  
Galson: WR657

Initial regulator vacuum = >30 in Hg

This is a duplicate sample being deployed for submittal to Galson.

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/27/2019-DS-41	<b>Date:</b> 6/27/2019	<b>Time:</b> 10:39:40 AM	<b>Coordinates:</b> 42.336603, -87.891529
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<b>Sampler:</b> DS	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b> 09054	<b>Start Time:</b> 6/27/2019 10:40 AM	<b>Stop Time:</b> 6/28/2019 10:21:50 AM	<b>Sample Period (min):</b> 1421.83333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 8

**Comments:**

Summa canister serial number = 090564  
Other serial number = 5091  
Cat number 0608

regulator serial number = 10314  
ERG : PR-40

Initial regulator vacuum = >30 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/27/2019-DS-42	<b>Date:</b> 6/27/2019	<b>Time:</b> 10:49:38 AM	<b>Coordinates:</b> 42.337571, -87.881081
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<b>Sampler:</b> DS	<b>Sample Location:</b> Greenbelt FP	<b>Pump ID:</b> SAT108	<b>Start Time:</b> 6/27/2019 10:58:36 AM	<b>Stop Time:</b> 6/28/2019 10:32:39 AM	<b>Sample Period (min):</b> 1414.05	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 5

**Comments:**  
  
Summa canister serial number = A6519  
Other serial number =SAT108  
CAT Number = 22107  
  
regulator serial number = 10293  
ERG : PR-34  
  
Initial regulator vacuum = 29 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/27/2019-DS-43	<b>Date:</b> 6/27/2019	<b>Time:</b> 11:10:30 AM	<b>Coordinates:</b> 42.344849, -87.880266
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<b>Sampler:</b> DS	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b> 19657	<b>Start Time:</b> 6/27/2019 11:15:31 AM	<b>Stop Time:</b> 6/28/2019 10:43:28 AM	<b>Sample Period (min):</b> 1407.95	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 29  
 Final Pressure (In Hg): 8

**Comments:**  
 Summa canister serial number = 19657  
 Other serial number = 29-10621  
 regulator serial number = 10076  
 ERG : PR-30  
 Initial regulator vacuum = 29 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/27/2019-DS-44	<b>Date:</b> 6/27/2019	<b>Time:</b> 11:20:38 AM	<b>Coordinates:</b> 42.349679, -87.878099
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<b>Sampler:</b> DS	<b>Sample Location:</b> Cristo Rey	<b>Pump ID:</b> A21080	<b>Start Time:</b> 6/27/2019 11:27:47 AM	<b>Stop Time:</b> 6/28/2019 10:48:24 AM	<b>Sample Period (min):</b> 1400.61667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
 Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = A21080  
 Other serial number = 03713

regulator serial number = 10140  
 Galson: WR828

Initial regulator vacuum = 29 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/27/2019-DS-45	<b>Date:</b> 6/27/2019	<b>Time:</b> 11:40:23 AM	<b>Coordinates:</b> 42.389129, -87.890170
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<b>Sampler:</b> DS	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b> A6538	<b>Start Time:</b> 6/27/2019 11:47:37 AM	<b>Stop Time:</b> 6/28/2019 11:05:36 AM	<b>Sample Period (min):</b> 1397.98333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 5

**Comments:**

Summa canister serial number = A6538  
Other serial number = SAT095

regulator serial number = 10313  
ERG : PR-39

Initial regulator vacuum = 30 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/27/2019-DS-46	<b>Date:</b> 6/27/2019	<b>Time:</b> 11:52:57 AM	<b>Coordinates:</b> 42.382986, -87.894314
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<b>Sampler:</b> DS	<b>Sample Location:</b> Keith Lot	<b>Pump ID:</b> A6665	<b>Start Time:</b> 6/27/2019 12:05:12 PM	<b>Stop Time:</b> 6/28/2019 11:14:21 AM	<b>Sample Period (min):</b> 1389.15	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 29  
 Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = A6665  
 Other serial number = 22107  
 Other = SAT169

regulator serial number = 10312  
 ERG : PR-38

Initial regulator vacuum = 29 in Hg

Photo:





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/27/2019-DS-47	<b>Date:</b> 6/27/2019	<b>Time:</b> 12:06:08 PM	<b>Coordinates:</b> 42.383001, -87.894241
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<b>Sampler:</b> DS	<b>Sample Location:</b> Keith Lot	<b>Pump ID:</b> 10659	<b>Start Time:</b> 6/27/2019 12:08:56 PM	<b>Stop Time:</b> 6/28/2019 11:16:15 AM	<b>Sample Period (min):</b> 1387.31667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
 Final Pressure (In Hg): 7

**Comments:**

Summa canister serial number = 10659  
 Other serial number = 29-10621  
 Other serial number = WL061

regulator serial number = 07471  
 Galson: WR764

Initial regulator vacuum = >30 in Hg

This is a duplicate sample being deployed for submittal to Galson.

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/27/2019-DS-48	<b>Date:</b> 6/27/2019	<b>Time:</b> 12:20:09 PM	<b>Coordinates:</b> 42.380526, -87.899516
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<b>Sampler:</b> DS	<b>Sample Location:</b> Gallagher Company	<b>Pump ID:</b> A21098	<b>Start Time:</b> 6/27/2019 12:24:22 PM	<b>Stop Time:</b> 6/28/2019 11:30:40 AM	<b>Sample Period (min):</b> 1386.3	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 8

**Comments:**  
  
Summa canister serial number = A21098  
Other serial number = 10965  
  
regulator serial number = 10294  
ERG : PR-35  
  
Initial regulator vacuum = 30 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/27/2019-DS-49	<b>Date:</b> 6/27/2019	<b>Time:</b> 12:40:02 PM	<b>Coordinates:</b> 42.377537, -87.899245
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<b>Sampler:</b> DS	<b>Sample Location:</b> Gurnee Glass	<b>Pump ID:</b> 090571	<b>Start Time:</b> 6/27/2019 12:48:21 PM	<b>Stop Time:</b> 6/28/2019 11:39:28 AM	<b>Sample Period (min):</b> 1371.11667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 28.5  
 Final Pressure (In Hg): 0

**Comments:**  
 Summa canister serial number = 090571  
 Other serial number = 5074  
 CAT number = 0608  
 regulator serial number = 10311  
 ERG : PR-37  
 Initial regulator vacuum = 28.5 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/27/2019-DS-50	<b>Date:</b> 6/27/2019	<b>Time:</b> 1:23:42 PM	<b>Coordinates:</b> 42.356374, -87.909635
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<b>Sampler:</b> DS	<b>Sample Location:</b> O'Plaine Park	<b>Pump ID:</b> 090571	<b>Start Time:</b> 6/27/2019 1:35:16 PM	<b>Stop Time:</b> 6/28/2019 12:09:35 PM	<b>Sample Period (min):</b> 1354.31667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29.5  
Final Pressure (In Hg): 8

**Comments:**

Summa canister serial number = 22031  
Other serial number = A22328

regulator serial number = 10315  
ERG : PR-41

Initial regulator vacuum = 29.5 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/27/2019-DS-51	<b>Date:</b> 6/27/2019	<b>Time:</b> 1:47:42 PM	<b>Coordinates:</b> 42.364982, -87.970865
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<b>Sampler:</b> DS	<b>Sample Location:</b> Woodland Middle School	<b>Pump ID:</b> A6546	<b>Start Time:</b> 6/27/2019 1:59:20 PM	<b>Stop Time:</b> 6/28/2019 12:25:58 PM	<b>Sample Period (min):</b> 1346.63333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 9.5

**Comments:**

Summa canister serial number = A6546  
Other serial number = SAT077  
CAT Number = 22107

regulator serial number = 10077  
ERG : PR-31

Initial regulator vacuum = 28 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/30/2019-KS-32	<b>Date:</b> 6/30/2019	<b>Time:</b> 10:46:31 AM	<b>Coordinates:</b> 42.336649, -87.891533
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<b>Sampler:</b> KS	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b> SAT085	<b>Start Time:</b> 6/30/2019 10:47:20 AM	<b>Stop Time:</b> 7/1/2019 10:08:28 AM	<b>Sample Period (min):</b> 1401.13333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 30  
Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = SAT 084  
Other serial number = A6501

regulator serial number = 10314  
ERG : PR-40

Initial regulator vacuum = 30 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/30/2019-KS-33	<b>Date:</b> 6/30/2019	<b>Time:</b> 11:03:24 AM	<b>Coordinates:</b> 42.337498, -87.881457
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<b>Sampler:</b> KS	<b>Sample Location:</b> Greenbelt FP	<b>Pump ID:</b> 19641	<b>Start Time:</b> 6/30/2019 11:04:15 AM	<b>Stop Time:</b> 7/1/2019 10:20:17 AM	<b>Sample Period (min):</b> 1396.03333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
 Final Pressure (In Hg): 5

**Comments:**

Summa canister serial number = 19641  
 Other serial number = 19641

regulator serial number = 10293  
 ERG : PR-34

Initial regulator vacuum = 29 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/30/2019-KS-34	<b>Date:</b> 6/30/2019	<b>Time:</b> 11:21:41 AM	<b>Coordinates:</b> 42.344834, -87.880149
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<b>Sampler:</b> KS	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b> 5053	<b>Start Time:</b> 6/30/2019 11:22:27 AM	<b>Stop Time:</b> 7/1/2019 10:33:21 AM	<b>Sample Period (min):</b> 1390.9	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
 Final Pressure (In Hg): 8

**Comments:**

Summa canister serial number = 5053  
 Other serial number = 090535

regulator serial number = 10076  
 ERG : PR-30

Initial regulator vacuum = 29 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/30/2019-KS-35	<b>Date:</b> 6/30/2019	<b>Time:</b> 11:38:40 AM	<b>Coordinates:</b> 42.349740, -87.878296
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<b>Sampler:</b> KS	<b>Sample Location:</b> Cristo Rey	<b>Pump ID:</b> 5042	<b>Start Time:</b> 6/30/2019 11:39:08 AM	<b>Stop Time:</b> 7/1/2019 10:42:52 AM	<b>Sample Period (min):</b> 1383.73333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 6.5

**Comments:**

Summa canister serial number = 5042  
Other serial number = 090600

regulator serial number = 10310  
ERG: PR-36

Initial regulator vacuum = 29 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/30/2019-KS-36	<b>Date:</b> 6/30/2019	<b>Time:</b> 12:06:14 PM	<b>Coordinates:</b> 42.389227, -87.890874
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<b>Sampler:</b> KS	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b> 19288	<b>Start Time:</b> 6/30/2019 12:06:50 PM	<b>Stop Time:</b> 7/1/2019 11:04:21 AM	<b>Sample Period (min):</b> 1377.51667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28.5  
Final Pressure (In Hg): 5

**Comments:**

Summa canister serial number = 19288  
Other serial number = 19288

regulator serial number = 10313  
ERG : PR-39

Initial regulator vacuum = 28.5 in Hg

Other team sampling duplicates at this location

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/30/2019-KS-37	<b>Date:</b> 6/30/2019	<b>Time:</b> 12:19:57 PM	<b>Coordinates:</b> 42.382979, -87.894097
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<b>Sampler:</b> KS	<b>Sample Location:</b> Keith Lot	<b>Pump ID:</b> SAT009	<b>Start Time:</b> 6/30/2019 12:20:30 PM	<b>Stop Time:</b> 7/1/2019 11:16:44 AM	<b>Sample Period (min):</b> 1376.23333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
 Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = SAT009  
 Other serial number = A6599

regulator serial number = 10312  
 ERG : PR-38

Initial regulator vacuum = 29 in Hg  
 Other team sampling at this location

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/30/2019-KS-38	<b>Date:</b> 6/30/2019	<b>Time:</b> 12:42:23 PM	<b>Coordinates:</b> 42.380432, -87.899213
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<b>Sampler:</b> KS	<b>Sample Location:</b> Gallagher Company	<b>Pump ID:</b> SAT038	<b>Start Time:</b> 6/30/2019 12:43 PM	<b>Stop Time:</b> 7/1/2019 11:28:02 AM	<b>Sample Period (min):</b> 1365.03333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 7

**Comments:**

Summa canister serial number = SAT038  
Other serial number = A6499

regulator serial number = 10294  
ERG : PR-35

Initial regulator vacuum = 29 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/30/2019-KS-39	<b>Date:</b> 6/30/2019	<b>Time:</b> 1:00:58 PM	<b>Coordinates:</b> 42.377781, -87.899440
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<b>Sampler:</b> KS	<b>Sample Location:</b> Gurnee Glass	<b>Pump ID:</b> A22329	<b>Start Time:</b> 6/30/2019 1:01:32 PM	<b>Stop Time:</b> 7/1/2019 11:42:52 AM	<b>Sample Period (min):</b> 1361.33333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 28.5  
 Final Pressure (In Hg): 7

**Comments:**  
 Summa canister serial number = A22329  
 Other serial number = 22029  
 regulator serial number = 10311  
 ERG : PR-37  
 Initial regulator vacuum = 28.5 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/30/2019-KS-39	<b>Date:</b> 6/30/2019	<b>Time:</b> 1:03:02 PM	<b>Coordinates:</b> 42.377970, -87.899502
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<b>Sampler:</b> KS	<b>Sample Location:</b> Gurnee Glass	<b>Pump ID:</b> WL186	<b>Start Time:</b> 6/30/2019 1:03:33 PM	<b>Stop Time:</b> 7/1/2019 11:45:07 AM	<b>Sample Period (min):</b> 1361.56667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 25  
 Final Pressure (In Hg): 9

**Comments:**

Summa canister serial number = 165  
 Other serial number = 29-10620  
 Other serial number = WL186

regulator serial number = 10741  
 Galson: WR893

Initial regulator vacuum = 25in Hg

This is a duplicate sample being deployed for submittal to Galson.

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/30/2019-KS-40	<b>Date:</b> 6/30/2019	<b>Time:</b> 1:21:34 PM	<b>Coordinates:</b> 42.355767, -87.910088
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<b>Sampler:</b> KS	<b>Sample Location:</b> O'Plain Park	<b>Pump ID:</b> 19292	<b>Start Time:</b> 6/30/2019 1:21:55 PM	<b>Stop Time:</b> 7/1/2019 12:33:13 PM	<b>Sample Period (min):</b> 1391.3	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29.5  
 Final Pressure (In Hg): 6.5

**Comments:**

Summa canister serial number = 19292  
 regulator serial number = 10315  
 ERG : PR-41  
 Initial regulator vacuum = 29.5 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-6/30/2019-KS-41	<b>Date:</b> 6/30/2019	<b>Time:</b> 2:08:06 PM	<b>Coordinates:</b> 42.364664, -87.970690
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<b>Sampler:</b> KS	<b>Sample Location:</b> Woodland middle school	<b>Pump ID:</b> 19281	<b>Start Time:</b> 6/30/2019 2:08:41 PM	<b>Stop Time:</b> 7/1/2019 1:03:07 PM	<b>Sample Period (min):</b> 1374.43333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 28.5  
 Final Pressure (In Hg): 8.5

**Comments:**  
 Summa canister serial number = 19281  
 regulator serial number = 10077  
 ERG : PR-31  
 Initial regulator vacuum = 28.5 in Hg

**Photo:**





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-7/3/2019-DH-12	<b>Date:</b> 7/3/2019	<b>Time:</b> 12:36:37 PM	<b>Coordinates:</b> 42.336512, -87.891537
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<b>Sampler:</b> DH	<b>Sample Location:</b> Amhurst Lake	<b>Pump ID:</b> A21021	<b>Start Time:</b> 7/3/2019 12:38:14 PM	<b>Stop Time:</b> 7/4/2019 11:57:37 AM	<b>Sample Period (min):</b> 1399.38333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : >30  
Final Pressure (In Hg): 6.5

**Comments:**

Summa canister serial number = A21021  
Other serial number = 26145

regulator serial number = 10314  
ERG : PR-40

Initial regulator vacuum = >30 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-7/3/2019-DH-13	<b>Date:</b> 7/3/2019	<b>Time:</b> 1:14:46 PM	<b>Coordinates:</b> 42.340832, -87.892565
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<b>Sampler:</b> DH	<b>Sample Location:</b> Astronics	<b>Pump ID:</b> 5014	<b>Start Time:</b> 7/3/2019 1:17:06 PM	<b>Stop Time:</b> 7/4/2019 12:40:12 PM	<b>Sample Period (min):</b> 1403.1	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28  
Final Pressure (In Hg): 7.5

**Comments:**

Summa canister serial number = 5014  
Other serial number = 090510

regulator serial number = 10316  
ERG : PR-42

Initial regulator vacuum = 28 in Hg

A duplicate sample is being collected at this location for submittal to Galson.

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-7/3/2019-DH-14	<b>Date:</b> 7/3/2019	<b>Time:</b> 1:20:55 PM	<b>Coordinates:</b> 42.340842, -87.892606
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<b>Sampler:</b> DH	<b>Sample Location:</b> Astronics	<b>Pump ID:</b> 24019	<b>Start Time:</b> 7/3/2019 1:24:24 PM	<b>Stop Time:</b> 7/4/2019 12:41:09 PM	<b>Sample Period (min):</b> 1396.75	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 0

**Comments:**

Summa canister serial number = 24019  
Other serial number = 10622QT

regulator serial number = 04374  
Galson: PSY532692

Initial regulator vacuum = 29 in Hg

A duplicate sample is being collected at this location for submittal to ERG.

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-7/3/2019-DH-15	<b>Date:</b> 7/3/2019	<b>Time:</b> 1:47:24 PM	<b>Coordinates:</b> 42.344820, -87.880014
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<b>Sampler:</b> DH	<b>Sample Location:</b> Palmieri Circle	<b>Pump ID:</b> 18826	<b>Start Time:</b> 7/3/2019 1:48:53 PM	<b>Stop Time:</b> 7/4/2019 1:08:10 PM	<b>Sample Period (min):</b> 1399.28333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**  
 Initial Gauge Pressure (In Hg) : 29  
 Final Pressure (In Hg): 7

**Comments:**

Summa canister serial number = 18826  
 Other serial number = 29-10621

regulator serial number = 10076  
 ERG : PR-30

Initial regulator vacuum = 29 in Hg





# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-7/3/2019-DH-16	<b>Date:</b> 7/3/2019	<b>Time:</b> 2:28:36 PM	<b>Coordinates:</b> 42.349527, -87.878174
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<b>Sampler:</b> DH	<b>Sample Location:</b> Cristo Rey	<b>Pump ID:</b> SAT078	<b>Start Time:</b> 7/3/2019 2:29:04 PM	<b>Stop Time:</b> 7/4/2019 1:35:47 PM	<b>Sample Period (min):</b> 1386.71667	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28.5  
 Final Pressure (In Hg): 5

**Comments:**

Summa canister serial number = SAT078  
 Other serial number = A6592

regulator serial number = 10310  
 ERG: PR-36

Initial regulator vacuum = 28.5 in Hg

**Photo:**



WAUKEGAN  
City of Progress Illinois  
 Lake County  
Health Department and  
Environmental Health Center  
**Government Property  
Air Monitoring in Progress**  
 DO NOT remove, damage or otherwise interfere with this equipment in any way.  
 Visitors may be subject to prosecution.  
 This equipment may be subject to surveillance.  
 For questions, please email [HealthEHS@lakcountyll.gov](mailto:HealthEHS@lakcountyll.gov)



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-7/3/2019-DH-17	<b>Date:</b> 7/3/2019	<b>Time:</b> 2:43:11 PM	<b>Coordinates:</b> 42.337423, -87.881275
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<b>Sampler:</b> DH	<b>Sample Location:</b> Greenbelt FP	<b>Pump ID:</b> 18831	<b>Start Time:</b> 7/3/2019 2:44 PM	<b>Stop Time:</b> 7/4/2019 1:48:59 PM	<b>Sample Period (min):</b> 1384.98333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 5

**Comments:**

Summa canister serial number = 18831  
Other serial number = 29-10621

regulator serial number = 10293  
ERG : PR-34

Initial regulator vacuum = 29 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-7/3/2019-DH-18	<b>Date:</b> 7/3/2019	<b>Time:</b> 3:09:34 PM	<b>Coordinates:</b> 42.389217, -87.890606
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<b>Sampler:</b> DH	<b>Sample Location:</b> Spaulding Elementary	<b>Pump ID:</b> SAT059	<b>Start Time:</b> 7/3/2019 3:10:05 PM	<b>Stop Time:</b> 7/4/2019 2:12:44 PM	<b>Sample Period (min):</b> 1382.65	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 4.5

**Comments:**

Summa canister serial number = SAT059  
Other serial number = A6555

regulator serial number = 10313  
ERG : PR-39

Initial regulator vacuum = 29 in Hg

Other team sampling duplicates at this location

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-7/3/2019-DH-19	<b>Date:</b> 7/3/2019	<b>Time:</b> 3:20:10 PM	<b>Coordinates:</b> 42.383005, -87.894212
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<b>Sampler:</b> DH	<b>Sample Location:</b> Keith Lot	<b>Pump ID:</b> 5026	<b>Start Time:</b> 7/3/2019 3:20:58 PM	<b>Stop Time:</b> 7/4/2019 2:20:42 PM	<b>Sample Period (min):</b> 1379.73333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 6

**Comments:**

Summa canister serial number = 5026  
Other serial number = 090594

regulator serial number = 10312  
ERG : PR-38

Initial regulator vacuum = 29 in Hg  
Other team sampling at this location

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-7/3/2019-DH-20	<b>Date:</b> 7/3/2019	<b>Time:</b> 3:38:29 PM	<b>Coordinates:</b> 42.380379, -87.899242
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<b>Sampler:</b> DH	<b>Sample Location:</b> Gallagher Company	<b>Pump ID:</b> SAT021	<b>Start Time:</b> 7/3/2019 3:39 PM	<b>Stop Time:</b> 7/4/2019 2:33:15 PM	<b>Sample Period (min):</b> 1374.25	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29  
Final Pressure (In Hg): 7

**Comments:**

Summa canister serial number = SAT021  
Other serial number = A6581

regulator serial number = 10294  
ERG : PR-35

Initial regulator vacuum = 29 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-7/3/2019-DH-21	<b>Date:</b> 7/3/2019	<b>Time:</b> 3:58:15 PM	<b>Coordinates:</b> 42.377802, -87.899618
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<b>Sampler:</b> DH	<b>Sample Location:</b> Gurnee Glass	<b>Pump ID:</b> SAT113	<b>Start Time:</b> 7/3/2019 3:58:38 PM	<b>Stop Time:</b> 7/4/2019 2:56:13 PM	<b>Sample Period (min):</b> 1377.58333	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 27  
 Final Pressure (In Hg): 6.5

**Comments:**

Summa canister serial number = SAT113  
 Other serial number = A6684

regulator serial number = 10311  
 ERG: PR-37

Initial regulator vacuum = 27 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-7/3/2019-DH-22	<b>Date:</b> 7/3/2019	<b>Time:</b> 4:20:33 PM	<b>Coordinates:</b> 42.355847, -87.910471
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<b>Sampler:</b> DH	<b>Sample Location:</b> O'Plaine Park	<b>Pump ID:</b> 5056-09	<b>Start Time:</b> 7/3/2019 4:21:05 PM	<b>Stop Time:</b> 7/4/2019 3:26:11 PM	<b>Sample Period (min):</b> 1385.1	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 29.5  
Final Pressure (In Hg): 8

**Comments:**

Summa canister serial number = 5056-09  
Other serial number = 090505

regulator serial number = 10315  
ERG : PR-41

Initial regulator vacuum = 29.5 in Hg

**Photo:**



# INTEGRATED AIR SAMPLES

<b>Client Name:</b> Village of Gurnee	<b>Site Location:</b> Village of Gurnee, IL
<b>Project Number:</b> 11197130	<b>Project Name:</b> Village of Gurnee Ethylene Oxide Risk

<b>Sample ID</b> Air-11197130-7/3/2019-DH-23	<b>Date:</b> 7/3/2019	<b>Time:</b> 4:40:52 PM	<b>Coordinates:</b> 42.364820, -87.970902
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<b>Sampler:</b> DH	<b>Sample Location:</b> Woodland Middle School	<b>Pump ID:</b> 5123-09	<b>Start Time:</b> 7/3/2019 4:41:16 PM	<b>Stop Time:</b> 7/4/2019 3:47:58 PM	<b>Sample Period (min):</b> 1386.7	<b>Sample Volume (L):</b> 0
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<b>Calibrator Model:</b>	<b>Calibrator Serial:</b>	<b>Pre Calibration Flow Rate (mL/min):</b>	<b>Post Calibration Flow Rate (mL/min):</b>	<b>Average Flow Rate (mL/min):</b>
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**Flow Rate Calculations**

Initial Gauge Pressure (In Hg) : 28.5  
 Final Pressure (In Hg): 9

**Comments:**

Summa canister serial number = 5123-09  
 Other serial number = 090677

regulator serial number = 10077  
 ERG : PR-31

Initial regulator vacuum = 28.5 in Hg

**Photo:**