



GALSON

**Mr. Ben Chandler
GHD Services Inc.
11719 Hinson Road
Suite 100
Little Rock, AR 72212**

July 02, 2019

Account# 29016

Login# L484249

Dear Ben Chandler:

Enclosed are the analytical results for the samples received by our laboratory on June 27, 2019. All samples on the chain of custody were received in good condition unless otherwise noted. Any additional observations will be noted on the chain of custody.

Please contact client services at (888) 432-5227 if you would like any additional information regarding this report. Thank you for using SGS Galson.

Sincerely,

SGS Galson

A handwritten signature in black ink that reads 'Lisa Swab'. The signature is written in a cursive, flowing style.

**Lisa Swab
Laboratory Director**

Enclosure(s)



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ANALYTICAL REPORT

Account : 29016
Login No. : L484249

Terms and Conditions & General Disclaimers

- This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.
- Any holder of this document is advised that information contained herein reflects the Company’s findings at the time of its intervention only and within the limits of Client’s instructions, if any. The Company’s sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Analytical Disclaimers

- Unless otherwise noted within the report, all quality control results associated with the samples were within established control limits or did not impact reported results.
- Note: The findings recorded within this report were drawn from analysis of the sample(s) provided to the laboratory by the Client (or a third party acting at the Client’s direction). The laboratory does not have control over the sampling process, including but not limited to the use of field equipment and collection media, as well as the sampling duration, collection volume or any other collection parameter used by the Client. The findings herein constitute no warranty of the sample’s representativeness of any sampled environment, and strictly relate to the samples as they were presented to the laboratory. For recommended sampling collection parameters, please refer to the Sampling and Analysis Guide at www.sgs.com.
- Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceding the final result column may have been rounded and therefore, if carried through the calculations, may not yield an identical final result to the one reported.
- The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).
- Unless otherwise noted within the report, results have not been blank corrected for any field blank or method blank data.

Accreditations SGS Galson holds a variety of accreditations and recognitions. Our quality management system conforms with the requirements of ISO/IEC 17025. Where applicable, samples may also be analyzed in accordance with the requirements of ELAP, NELAC, or LELAP under one of the state accrediting bodies listed below. Current Scopes of Accreditation can be viewed at <http://www.sgs.com> in the accreditations section of the "About" page. To determine if the analyte tested falls under our scope of accreditation, please visit our website or call Client Services at (888) 432-5227.

| National/International | Accreditation/Recognition | Lab ID# | Program/Sector |
|-------------------------------------|-------------------------------|---------------|--|
| AIHA-LAP, LLC - IHLAP, ELLAP, EMLAP | ISO/IEC 17025 and USEPA NLLAP | Lab ID 100324 | Industrial Hygiene, Environmental Lead, Environmental Microbiology |

| State | Accreditation/Recognition | Lab ID# | Program/Sector |
|--------------------|---|---------------|---|
| New York (NYSDOH) | ELAP and NELAC (TNI) | Lab ID: 11626 | Air Analysis, Solid and Hazardous Waste |
| New Jersey (NJDEP) | NELAC (TNI) | Lab ID: NY024 | Air Analysis |
| Louisiana (LDEQ) | LELAP | Lab ID: 04083 | Air Analysis, Solid Chemical Materials |
| Texas | Texas Dept. of Licensing and Regulation | Lab ID: 1042 | Mold Analysis Laboratory license |

Legend

| | | | |
|-----------------------------|--------------------------|------------------------------|-------------------------|
| < - Less than | mg - Milligrams | MDL - Method Detection Limit | ppb - Parts per Billion |
| > - Greater than | ug - Micrograms | NA - Not Applicable | ppm - Parts per Million |
| l - Liters | m3 - Cubic Meters | NS - Not Specified | ppbv - ppb Volume |
| LOQ - Limit of Quantitation | kg - Kilograms | ND - Not Detected | ppmv - ppm Volume |
| ft2 - Square Feet | cm2 - Square Centimeters | in2 - Square Inches | ng - Nanograms |



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LABORATORY ANALYSIS REPORT

LELAP Lab ID #04083

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.sgsgalson.com

Client : GHD Services Inc.
Site : LAKE COUNTY
Project No. : 11197130 11197364
Date Sampled : 22-JUN-19 - 25-JUN-19
Date Received : 27-JUN-19

Account No.: 29016
Login No. : L484249
Date Analyzed : 28-JUN-19 - 01-JUL-19
Report ID : 1144675

Ethylene Oxide

Galson ID: L484249-1 L484249-2
Client ID: AIR-11197130-DH-05 AIR-11197130-DS-27

| | LOQ | LOQ | ppbv | ug/m3 | ppbv | ug/m3 |
|----------------|-------|-------|------|-------|--------|--------|
| | ppbv | ug/m3 | | | | |
| Ethylene oxide | 0.040 | 0.072 | 0.16 | 0.29 | <0.040 | <0.072 |

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : 6L Canister
Submitted by : BHB

Supervisor: SAP
Approved by : SAP
Date : 02-JUL-19



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LABORATORY FOOTNOTE REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.ssggalson.com

Client Name : GHD Services Inc.
Site : LAKE COUNTY
Project No. : 11197130/11197364

Date Sampled : 22-JUN-19 - 25-JUN-19 Account No.: 29016
Date Received: 27-JUN-19 Login No. : L484249
Date Analyzed: 28-JUN-19 - 01-JUL-19

L484249 (Report ID: 1144675):

NYSDOH does not offer a certification for the following compounds:

Propylene, Ethyl Acetate, Tetrahydrofuran, Methyl n-Butyl Ketone, 4-Ethyl Toluene, n-Butane,
Ethanol, Pentane, Ethyl Bromide, Nonane, and n-Propylbenzene.

SOPs: in-vocs(36)

L484249 (Report ID: 1144675):

Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

| Parameter | Accuracy | Mean Recovery |
|----------------|----------|---------------|
| Ethylene oxide | +/-34.6% | 103% |



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GC/MS Incoming Canister Log

Login: L484249

Date: 27-JUN-19

Recorded by: Bethany DiCaprio

| <i>Sample #</i> | <i>Can Id</i> | <i>Incoming Pressure</i> | <i>Prep Number</i> | <i>Scan date</i> | <i>Scan user</i> |
|-----------------|---------------|--------------------------|--------------------|------------------|------------------|
| L484249-1 | WL231 | -9.02 | PSY532558 | 27-JUN-19 | Bethany DiCaprio |
| L484249-2 | WL193 | -6.11 | PSY532558 | 27-JUN-19 | Bethany DiCaprio |

L2484249



GALSON

CHAIN OF CUSTODY

| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">Turn Around Time (TAT):</th> <th style="width:50%;">(surcharge)</th> </tr> <tr> <td><input checked="" type="checkbox"/> Standard</td> <td>0%</td> </tr> <tr> <td><input type="checkbox"/> 4 Business Days</td> <td>35%</td> </tr> <tr> <td><input type="checkbox"/> 3 Business Days</td> <td>50%</td> </tr> <tr> <td><input type="checkbox"/> 2 Business Days</td> <td>75%</td> </tr> <tr> <td><input type="checkbox"/> Next Day by 6pm</td> <td>100%</td> </tr> <tr> <td><input type="checkbox"/> Next Day by Noon</td> <td>150%</td> </tr> <tr> <td><input type="checkbox"/> Same Day</td> <td>200%</td> </tr> </table> | Turn Around Time (TAT): | (surcharge) | <input checked="" type="checkbox"/> Standard | 0% | <input type="checkbox"/> 4 Business Days | 35% | <input type="checkbox"/> 3 Business Days | 50% | <input type="checkbox"/> 2 Business Days | 75% | <input type="checkbox"/> Next Day by 6pm | 100% | <input type="checkbox"/> Next Day by Noon | 150% | <input type="checkbox"/> Same Day | 200% | Client Acct No.: <u>29016</u> Original Prep No.: _____ Online COC No.: <u>184633</u> | Report To: <u>Mr. Ben Chandler</u> Company Name: <u>GHD Services Inc.</u> Address 1: <u>11719 Hinson Road</u> Address 2: <u>Suite 100</u> City, State Zip: <u>Little Rock, AR 72212</u> Phone No.: <u>501 - 366 - 3999</u> Cell No.: _____ Email reports to: <u>benjamin.chandler@ghd.com, dyron.hamlin@ghd.com</u> Email EOD to: <u>benjamin.chandler@ghd.com, dyron.hamlin@ghd.com</u> Comments: _____ | Invoice To: <u>ACCOUNTS PAYABLE</u> Company Name: <u>GHD Services Inc.</u> Address 1: <u>2055 Niagara Falls Blvd</u> Address 2: <u>Suite 3</u> City, State Zip: <u>Niagara Falls, NY 14304</u> Phone No.: _____ Email Address: <u>Jennifer.Devonshire@ghd.com</u> Comments: _____ P.O. No.: _____ Payment info.: <input type="checkbox"/> I will call SGS Galson to provide credit card info <input type="checkbox"/> Card on File (enter the last five digits on the line below) |
|---|-------------------------|-------------|--|----|--|-----|--|-----|--|-----|--|------|---|------|-----------------------------------|------|--|---|---|
| Turn Around Time (TAT): | (surcharge) | | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> Standard | 0% | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> 4 Business Days | 35% | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> 3 Business Days | 50% | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> 2 Business Days | 75% | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Next Day by 6pm | 100% | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Next Day by Noon | 150% | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Same Day | 200% | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Samples submitted using the FreePumpLoan™ Program <input type="checkbox"/> Samples submitted using the FreeSamplingBadges™ Program | | | | | | | | | | | | | | | | | | | |

| | | |
|--|--------------------------|--|
| Comments: Ambient Air Samples - Ethylene Oxide Reports Results in ug/m3 and ppb | State Sampled: <u>IL</u> | Please indicate which OEL(s) this data will be used for: <input type="checkbox"/> OSHA PEL <input type="checkbox"/> ACGIH TLV <input type="checkbox"/> MSHA <input type="checkbox"/> Cal OSHA <input type="checkbox"/> IAQ: _____ <input type="checkbox"/> Other: _____ Specify Limit(s) Specify Other |
|--|--------------------------|--|

| | | | |
|-------------------------------|-----------------------------------|-------------------------------------|---|
| Site Name: <u>LAKE COUNTY</u> | Project: <u>11197130/11197364</u> | Sampled By: <u>Daniel Showalter</u> | List description of industry or Process/interferences present in sampling area: _____ |
|-------------------------------|-----------------------------------|-------------------------------------|---|

| Sample ID (Maximum of 20 Characters) | Date Sampled | Collection Medium | Sample Volume Sample Time Sample Area | Liters Minutes in ² , cm ² , ft ² | Analysis Requested | Method Reference ^ | Hexavalent Chromium Process (e.g., welding, plating, painting, etc.) |
|---|--------------|-------------------|---|--|--------------------|---|--|
| AIR-11197130-DH-05 | 6/25/2019 | 6 L Canister | 6 | L | Ethylene Oxide | mod. OSHA PV2120/mod. EPA TO15; GC/MS | |
| AIR-11197130-DS-27 | 6/22/2019 | 6 L Canister | 6 | L | Ethylene Oxide | mod. OSHA PV2120/mod. EPA TO15; GC/MS | |

^ If the method(s) indicated on the COC are not our routine/preferred method(s), we will substitute our routine/preferred methods. If this is not acceptable, check here to have us contact you.

| Chain of Custody | Print Name / Signature | Date | Time | Print Name / Signature | Date | Time |
|------------------|------------------------|-----------|-------|------------------------------|---------|-------|
| Relinquished By: | Daniel Showalter | 6/27/2019 | 09:24 | Received By: Michelle Krause | 6/27/19 | 11:34 |
| Relinquished By: | | | | Received By: | | |

Samples received after 3pm will be considered as next day's business.

Online COC No.: 184633
 Prep No.: _____
 Account No.: 29016
 Finalized: 6/27/2019 10:25:01 AM

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via: <http://www.sgs.com/en/Terms-and-Conditions.aspx>