

AIR QUALITY TESTING INSIDE OPERATING SAUNA UNITS



PERFORMED AT:

**SUNLIGHTEN SAUNAS
7373 W. 107TH STREET
OVERLAND PARK, KANSAS 66212**

PREPARED FOR:

**MR. DUSTIN STEVENS
DIRECTOR OF PRODUCT DEVELOPMENT
SUNLIGHTEN SAUNAS
7373 W. 107TH STREET
OVERLAND PARK, KANSAS 66212**

PREPARED BY:

***APEX ENVIRONMENTAL CONSULTANTS, INC.*
14955 WEST 101ST TERRACE
LENEXA, KANSAS 66215
TEL: (913) 338-APEX FAX: (913) 338-2741
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**APEX PROJECT NO. 200237I
JUNE 22, 2020**

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CLIENT:

Mr. Dustin Stevens
Director of Product Development
Sunlighten Saunas, Inc.
7373 W. 107th Street
Overland Park, Kansas 66212

PROJECT:

Air Quality Testing Inside Operating Sauna Units
Sunlighten Saunas, Inc.
7373 W. 107th Street
Overland Park, Kansas 66212

APEX Project No. 200237IH

ENVIRONMENTAL CONSULTANT:

APEX ENVIRONMENTAL CONSULTANTS, INC.

Inspector:



David Nold, M.S., CIH
Industrial Hygienist

Address: 14955 W. 101st Terrace
Lenexa, Kansas 66215
Tel: (913) 338-2739 Fax: (913) 338-2741
e-mail: dnold@4apex.com

1.0 INTRODUCTION

APEX Environmental Consultants, Inc. (APEX) conducted air quality testing inside various sauna units at Sunlighten Saunas on May 22, 2020. This company is located at 7373 W. 107th Street in Overland Park, Kansas. The purpose of the sampling effort was to determine the air quality inside the saunas during operation. It is understood this work was initiated as part of the client's overall concern for customer well-being and safety. David Nold, a Board Certified Industrial Hygienist with APEX, conducted the sampling effort.

2.0 SAMPLING METHODOLOGIES AND RESULTS

Volatile Organic Compounds (VOC's)

APEX collected VOC air samples from inside the mPulse Sauna, Full Spectrum 2 Sauna, and the Solo Sauna, all of which were adjusted to 130 degrees Fahrenheit during the sampling period (see Appendix B, Photograph Log). A background air sample and an outdoor control sample were also collected for the purpose of comparison.

Each VOC air sample was collected in accordance with sampling and analytical method mod EPA TO-15 utilizing a 1,000 ml evacuated MiniCan coupled with an 8-hour time release regulator. Following sample collection, the samples were labeled with identification numbers, recorded on the chain of custody form, and shipped FedEx overnight to SGS Galson Laboratories for analysis. SGS Galson Laboratories is an AIHA accredited laboratory located in East Syracuse, New York.

The following table summarize the results of the VOC sampling conducted by APEX at Sunlighten Saunas:

Volatile Organic Compound (VOC)	Sunlighten mPulse Sauna (ppmv)	Sunlighten Full Spectrum 2 Sauna (ppmv)	Sunlighten Solo Sauna (ppmv)	Background Air Sample Collected from Inside Sunlighten Building (ppmv)	Outdoor Air Sample (ppmv)	NIOSH / OSHA 8-Hour Exposure Limit for the Workplace in the USA
Chloromethane	0.0008	0.0009	0.0012	0.0008	Not Detected	100 ppm
n-Butane	0.0017	0.0015	0.0018	0.0018	Not Detected	800 ppm
Acetonitrile	0.0097	0.0120	0.0270	0.0110	0.0070	20 ppm
Acetone	0.0270	0.0280	0.0320	0.0300	0.0090	250 ppm
Isopropyl Alcohol	0.0130	0.0110	0.0120	0.0120	Not Detected	400 ppm
Pentane	0.0020	0.0015	0.0034	0.0016	0.0008	120 ppm
Vinyl Acetate	Not Detected	Not Detected	0.0012	Not Detected	Not Detected	10 ppm
Methyl Ethyl Ketone	0.0013	0.0013	0.0017	0.0015	Not Detected	200 ppm
Ethyl Acetate	0.0033	0.0028	0.0050	0.0025	0.0017	400 ppm
Toluene	0.0016	0.0014	0.0019	0.0015	0.0009	100 ppm
Ethylbenzene	Not Detected	Not Detected	Not Detected	0.0029	Not Detected	100 ppm
m&p- Xylene	Not Detected	0.0024	0.0030	0.0130	0.0023	100 ppm
Styrene	Not Detected	0.0011	Not Detected	Not Detected	Not Detected	50 ppm
o- Xylene	Not Detected	Not Detected	0.0010	0.0047	0.0008	100 ppm
Isobutane	0.0110	Not Detected	0.0140	Not Detected	Not Detected	800 ppm
Ethanol	0.1100	0.1300	0.1200	0.1400	0.0210	1,000 ppm
Furfural	Not Detected	Not Detected	Not Detected	0.0084	Not Detected	5 ppm
Unknown Compound 1	Not Detected	Not Detected	0.0190	Not Detected	Not Detected	N/A
Unknown Compound 2	Not Detected	Not Detected	Not Detected	0.0160	Not Detected	N/A
Unknown Compound 3	Not Detected	Not Detected	Not Detected	Not Detected	0.0530	N/A
Unknown Compound 4	Not Detected	Not Detected	Not Detected	Not Detected	0.0340	N/A
2,2-Dimethyl Decane	Not Detected	Not Detected	0.0620	Not Detected	0.0420	Not Established
3- Methyl Decane	Not Detected	Not Detected	0.0210	Not Detected	Not Detected	Not Established
3,7-Dimethyl Decane	Not Detected	Not Detected	0.0160	Not Detected	0.0110	Not Established
2,2,4 - Trimethyl Decane	Not Detected	Not Detected	0.0120	0.0110	Not Detected	Not Established
2,6,8 - Trimethyl Decane	Not Detected	Not Detected	Not Detected	0.0220	Not Detected	Not Established
2,2-Dimethyl Tetradecane	Not Detected	Not Detected	0.0240	0.0250	0.0170	Not Established

Volatile Organic Compound (VOC)	Sunlighten mPulse Sauna (ppmv)	Sunlighten Full Spectrum 2 Sauna (ppmv)	Sunlighten Solo Sauna (ppmv)	Background Air Sample Collected from Inside Sunlighten Building (ppmv)	Outdoor Air Sample (ppmv)	NIOSH / OSHA 8-Hour Exposure Limit for the Workplace in the USA
6-Methyl Tridecane	0.0110	0.0300	0.0760	0.0790	Not Detected	Not Established
2,2,4,6,6,-Pentamethyl Heptane	0.0088	0.0230	Not Detected	0.0630	Not Detected	Not Established
Hexadecane	Not Detected	Not Detected	Not Detected	0.0084	Not Detected	Not Established
2,2,3- Trimethyl Hexane	0.0100	0.0260	0.0620	0.0640	Not Detected	Not Established
2,2,4- Trimethyl Hexane	Not Detected	Not Detected	Not Detected	Not Detected	0.0440	Not Established
2,2,5- Trimethyl Hexane	0.0130	Not Detected	Not Detected	Not Detected	Not Detected	Not Established
3,3-Dimethyl Hexane	Not Detected	Not Detected	0.0220	0.0210	0.0140	Not Established
2,6-Dimethyl Octane	Not Detected	0.0310	0.0790	0.0780	0.0530	Not Established
2,2-Dimethyl Octane	Not Detected	Not Detected	Not Detected	0.0180	0.0130	Not Established
2,8-Dimethyl Undecane	0.0091	0.0200	0.0510	0.0510	Not Detected	Not Established
2,2-Dimethyl Undecane	Not Detected	Not Detected	0.0095	0.0098	Not Detected	Not Established
4-Methyl Undecane	Not Detected	Not Detected	0.0110	0.0110	Not Detected	Not Established
2,6,11 - Trimethyl Dodecane	Not Detected	Not Detected	Not Detected	0.0089	Not Detected	Not Established
3-Methyl Dodecane	Not Detected	Not Detected	Not Detected	Not Detected	0.0140	Not Established
Total VOC's (ppmv)	0.2333	0.3239	0.6897	0.7178	0.3377	N/A

ppmv = parts per million by volume / OSHA= Occupational Safety & Health Administration / NIOSH=National Institute for Occupational Safety & Health

No exposure standards have been established for VOC’s in non- industrial settings. In general, research has found that exposures to typical mixtures of VOCs below 1 part per million (ppm) should not result in health effects or significant occupant complaints. Exposure levels in the range of 1 to 10 ppm should be expected to produce some health effects and complaints, and exposures above 10 ppm may produce more serious health effects.

The number of separate VOC's detected in the saunas ranged from sixteen in the mPulse sauna to twenty-seven in the Solo sauna. Twenty-nine VOC's were detected in the background control sample collected from inside of the Sunlighten building. All of the detected VOC's in the tested saunas were present at trace concentrations well below any available industry standard exposure limits (see Appendix A, Analytical Results). Although industry standard exposure limits are not necessarily appropriate for residential and/or commercial settings, they do give some reference in the absence of such exposure limits. It should be noted that most of the detected VOC's in the saunas were also present in the background control sample at similar or higher concentrations than that observed in the saunas, suggesting the source of those VOC's originated from outside of the saunas.

Airborne Metals

APEX collected air samples for airborne metals from inside the mPulse Sauna, Full Spectrum 2 Sauna, and the Solo Sauna, all of which were adjusted to 130 degrees Fahrenheit during the sampling period (see Appendix B, Photograph Log). A background air sample and an outdoor control sample were also collected for the purpose of comparison.

Each air sample for airborne metals was collected in accordance with sampling and analytical method mod NIOSH 7303 utilizing a 37 mm MCE filter cassette at an approximate flow rate of 4.0 liters per minute. The samples were collected over a 480-minute sampling period. Following sample collection, the samples were labeled with identification numbers, recorded on the chain of custody form, and shipped FedEx overnight to SGS Galson Laboratories for analysis.

The following table summarize the results of the airborne metals sampling conducted by APEX at Sunlighten Saunas:

Metal	Sunlighten mPulse Sauna (mg/m ³)	Sunlighten Full Spectrum 2 Sauna (mg/m ³)	Sunlighten Solo Sauna (mg/m ³)	Background Air Sample Collected from Inside Sunlighten Building (mg/m ³)	Outdoor Air Sample (mg/m ³)	NIOSH / OSHA 8-Hour Exposure Limit for the Workplace in the USA
Aluminum	<0.0038	<0.0039	<0.0038	<0.0039	<0.0039	10 mg/m ³
Antimony	<0.00046	<0.00047	<0.00046	<0.00047	<0.00047	0.5 mg/m ³
Arsenic	<0.000077	<0.000078	<0.000076	<0.000079	<0.000078	0.010 mg/m ³
Barium	<0.000077	<0.000078	<0.000076	<0.000079	<0.000078	10 mg/m ³
Beryllium	<0.0000038	<0.0000039	<0.0000038	<0.0000039	<0.0000039	0.0002 mg/m ³
Cadmium	<0.0000077	<0.0000078	<0.0000076	<0.0000079	<0.0000078	0.005 mg/m ³
Calcium	<0.015	<0.016	<0.015	<0.016	<0.016	10 mg/m ³
Chromium	<0.0038	<0.0039	<0.0038	<0.0039	<0.0039	0.5 mg/m ³
Cobalt	<0.000023	<0.000024	<0.000023	<0.000024	<0.000023	0.05 mg/m ³
Copper	<0.00015	<0.00016	<0.00015	<0.00016	<0.00016	1 mg/m ³
Iron Oxide	<0.0055	<0.0056	<0.0055	<0.0056	<0.0055	5 mg/m ³
Lead	<0.000038	<0.000039	<0.000038	<0.000039	<0.000039	0.050 mg/m ³
Magnesium	<0.0038	<0.0039	<0.0038	<0.0039	<0.0039	15 mg/m ³
Manganese	<0.000077	<0.000078	<0.000076	<0.000079	<0.000078	1 mg/m ³
Nickel	<0.000077	<0.000078	<0.000076	<0.000079	<0.000078	0.015 mg/m ³
Potassium	<0.0077	<0.0078	<0.0076	<0.0079	<0.0078	2 mg/m ³
Selenium	<0.0012	<0.0012	<0.0011	<0.0012	<0.0012	0.2 mg/m ³
Silicon	<0.0038	<0.0039	<0.0038	<0.0039	<0.0039	10 mg/m ³
Sodium	<0.038	<0.039	<0.038	<0.039	<0.039	2 mg/m ³
Thallium	<0.00038	<0.00039	<0.00038	<0.00039	<0.00039	0.1 mg/m ³

Metal	Sunlighten mPulse Sauna (mg/m ³)	Sunlighten Full Spectrum 2 Sauna (mg/m ³)	Sunlighten Solo Sauna (mg/m ³)	Background Air Sample Collected from Inside Sunlighten Building (mg/m ³)	Outdoor Air Sample (mg/m ³)	NIOSH / OSHA 8-Hour Exposure Limit for the Workplace in the USA
Vanadium	<0.00023	<0.00024	<0.00023	<0.00024	<0.00023	0.05 mg/m ³ (R)
Zinc Oxide	<0.0014	<0.0015	<0.0014	<0.0015	<0.0014	5 mg/m ³
Total Metals (mg/m ³)	None Detected	None Detected	None Detected	None Detected	None Detected	N/A

mg/m³=milligrams per cubic meter / OSHA=Occupational Safety & Health Administration / NIOSH=National Institute for Occupational Safety & Health

No airborne metals were detected in any of the air samples collected from inside the operating saunas at the method detection limits noted in the table above (see Appendix A, Analytical Results).

Sulfur Dioxide

APEX collected air samples for sulfur dioxide from inside the mPulse Sauna, Full Spectrum 2 Sauna, and the Solo Sauna, all of which were adjusted to 130 degrees Fahrenheit during the sampling period (see Appendix B, Photograph Log). A background air sample and an outdoor control sample were also collected for the purpose of comparison.

Each air sample for sulfur dioxide was collected in accordance with Galson In-house sampling and analytical method IC-SOP-14 utilizing a UMEX-200 passive dosimeter badge exposed over a 480-minute sampling period. Following sample collection, the samples were labeled with identification numbers, recorded on the chain of custody form, and shipped FedEx overnight to SGS Galson Laboratories for analysis.

The following table summarize the results of the sulfur dioxide sampling conducted by APEX at Sunlighten Saunas:

Contaminant	Sunlighten mPulse Sauna (ppm)	Sunlighten Full Spectrum 2 Sauna (ppm)	Sunlighten Solo Sauna (ppm)	Background Air Sample Collected from Inside Sunlighten Building (ppm)	Outdoor Air Sample (ppm)	NIOSH / OSHA 8-Hour Exposure Limit for the Workplace in the USA
Sulfur Dioxide	Not Detected (<0.14)	Not Detected (<0.14)	Not Detected (<0.14)	Not Detected (<0.14)	Not Detected (<0.14)	2 ppm

ppmv = parts per million by volume / OSHA= Occupational Safety & Health Administration / NIOSH=National Institute for Occupational Safety & Health

No sulfur dioxide was detected in any of the air samples collected from inside the operating saunas at the method detection limits noted in the table above (see Appendix A, Analytical Results).

Carbon Black

APEX collected air samples for carbon black from inside the mPulse Sauna, Full Spectrum 2 Sauna, and the Solo Sauna, all of which were adjusted to 130 degrees Fahrenheit during the sampling period (see Appendix B, Photograph Log). A background air sample and an outdoor control sample were also collected for the purpose of comparison.

Each air sample for carbon black was collected in accordance with sampling method mod OSHA ID-196 utilizing a 37 mm PVC filter cassette at an approximate flow rate of 2.0 liters per minute. The samples were collected over a 480-minute sampling period. Following sample collection, the samples were labeled with identification numbers, recorded on the chain of custody form, and shipped FedEx overnight to SGS Galson Laboratories for analysis.

The following table summarize the results of the carbon black sampling conducted by APEX at Sunlighten Saunas:

Contaminant	Sunlighten mPulse Sauna (mg/m ³)	Sunlighten Full Spectrum 2 Sauna (mg/m ³)	Sunlighten Solo Sauna (mg/m ³)	Background Air Sample Collected from Inside Sunlighten Building (mg/m ³)	Outdoor Air Sample (mg/m ³)	NIOSH / OSHA 8-Hour Exposure Limit for the Workplace in the USA
Carbon Black	Not Detected (<0.73)	Not Detected (<0.73)	Not Detected (<0.73)	Not Detected (<0.70)	Not Detected (<0.72)	3.5 mg/m ³

No carbon black was detected in any of the air samples collected from inside the operating saunas at the method detection limits noted in the table above (see Appendix A, Analytical Reports).

3.0 AIR SAMPLING SUMMARY

Air sampling for volatile organic compounds (VOC's), airborne metals, sulfur dioxide, and carbon black was conducted inside the mPulse Sauna, Full Spectrum 2 Sauna, and the Solo Sauna on May 22, 2020. The air testing was performed inside the saunas over an 8-hour sampling period while the saunas were adjusted to 130 degrees Fahrenheit. Sample results indicated only trace levels of various VOC's in the air samples that were present in concentrations many orders of magnitude lower than available industry standard exposure limits. Furthermore, the total VOC concentrations in all saunas tested were well below 1 ppm, with two of the saunas (mPulse & Full Spectrum 2) indicating total VOC concentrations lower than the outdoor control sample of 0.3377 ppm. In addition, the total VOC concentrations in all saunas tested were lower than that observed in the background control sample at 0.7178 ppm. The background control sample was

collected from inside the Sunlighten building. No airborne metals, sulfur dioxide, and/or carbon black was detected in any of the air samples collected from inside the saunas at the method detection limits previously outlined in the report. The air quality in the tested saunas should be considered excellent and provides a good example for the sauna industry to follow.

4.0 CONDITIONS AND LIMITATIONS

Air sampling results are limited in that they represent airborne concentrations at the time of sample collection only. Changes in operating procedures, ventilation, temperature, occupancy, equipment, sources, products used, and other conditions may cause variations in anticipated airborne concentrations.

APEX has performed the tasks set forth above in a thorough and professional manner consistent with industry standards by a certified professional. APEX cannot guarantee and does not warrant that this limited assessment has revealed all adverse environmental conditions affecting the site nor can APEX warrant that the assessment requested will satisfy the dictates of, or provide a legal defense in connection with, environmental laws or regulations.

The results reported and any opinions reached by APEX are for the benefit of the client. The results and opinions set forth by APEX in its report will be valid as of the date of the report. APEX assumes no obligation to advise you of any changes that may be later brought to our attention.

APPENDIX A
ANALYTICAL RESULTS

59/67 (cans)

L512526



APEX ENVIRONMENTAL CONSULTANTS, INC.

14955 W. 101st Terrace • Lenexa, Kansas 66215 • Tel: (913) 338-2739 • Fax: (913) 338-2741

Sample Chain of Custody

Sample Date: May 22, 2012 Page: 1 of 1

Project Name: Sunlighten, Overland Park, KS 66212

Contact: David Nold Project #: 2002371

Sample ID	Employee / Location	Sample Type	Total Volume	Total Time	Post Sample Vacuum Reading (In Hg)	Analysis Type
VOC-01	Sunlighten mPulse Sauna	VOC Profile EPA TO-15	1 Liter MiniCan (Can No. WA615)	8-Hour Regulator (Reg No. WR834)	Around 6" Hg	VOC List and TIC's
VOC-02	Sunlighten Full Spectrum 2 Sauna	VOC Profile EPA TO-15	1 Liter MiniCan (Can No. WA602)	8-Hour Regulator (Reg No. WR926)	Around 8" Hg	VOC List and TIC's
VOC-03	Sunlighten Solo Sauna	VOC Profile EPA TO-15	1 Liter MiniCan (Can No. WA630)	8-Hour Regulator (Reg No. WR886)	Around 10" Hg	VOC List and TIC's
VOC-04	Background Sample (Inside Sunlighten Building)	VOC Profile EPA TO-15	1 Liter MiniCan (Can No. WA668)	8-Hour Regulator (Reg No. WR894)	Around 9" Hg	VOC List and TIC's
VOC-05	Outdoor Sample	VOC Profile EPA TO-15	1 Liter MiniCan (Can No. WA670)	8-Hour Regulator (Reg No. WR914)	Around 6" Hg	VOC List and TIC's

Additional Instructions:

➤ **Standard Turnaround AOB**
➤ E-mail results to: dnold@4apex.com

➤ Send invoice to: Accts. Payable, APEX Environmental Consultants

Relinquished By:

Date: 5-22-20

Received by: Brett Grenert-Fischer
Date: 5/26/20

Relinquished By: _____

Date: _____

Received by: _____

Date: _____



GALSON

Mr. Dave Nold
Apex Environmental Consultants
14955 W. 101st Terrace
Lenexa, KS 66215

June 03, 2020

Account# 18653

Login# L512526

Dear Dave Nold:

Enclosed are the analytical results for the samples received by our laboratory on May 26, 2020. 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)

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



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 : Apex Environmental Consultants
Site : NS
Project No. : SUNLIGHTEN, OVERLAND PARK, KS 66212
Date Sampled : 22-MAY-20 Account No.: 18653
Date Received : 26-MAY-20 Login No. : L512526
Date Analyzed : 02-JUN-20 Units : ppbv
Report ID : 1198763

Galson ID: L512526-1 L512526-2 L512526-3
Client ID: ppbv VOC-01 VOC-02 VOC-03

Propylene	5.0	<5.0	<5.0	<5.0
Freon-12	0.80	<0.80	<0.80	<0.80
Chloromethane	0.80	0.80	0.90	1.2
Freon-114	0.80	<0.80	<0.80	<0.80
Vinyl Chloride	0.80	<0.80	<0.80	<0.80
1,3-Butadiene	0.80	<0.80	<0.80	<0.80
n-Butane	0.80	1.7	1.5	1.8
Bromomethane	0.80	<0.80	<0.80	<0.80
Chloroethane	0.80	<0.80	<0.80	<0.80
Acetonitrile	5.0	9.7	12	27
Vinyl Bromide	0.80	<0.80	<0.80	<0.80
Acrolein	0.80	<0.80	<0.80	<0.80
Acetone	5.0	27	28	32
Freon-11	0.80	<0.80	<0.80	<0.80
Isopropyl Alcohol	5.0	13	11	12
Acrylonitrile	0.80	<0.80	<0.80	<0.80

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : JAV
Approved by : SAP
Date : 02-JUN-20
Supervisor: SAP



GALSON

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 : Apex Environmental Consultants
Site : NS
Project No. : SUNLIGHTEN, OVERLAND PARK, KS 66212
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Date Analyzed : 02-JUN-20 Units : ppbv
Report ID : 1198763

Galson ID: L512526-1 L512526-2 L512526-3
Client ID: ppbv VOC-01 VOC-02 VOC-03

Pentane	0.80	2.0	1.5	3.4
Ethyl Bromide	0.80	<0.80	<0.80	<0.80
1,1-Dichloroethene	0.80	<0.80	<0.80	<0.80
tert-Butyl Alcohol	5.0	<5.0	<5.0	<5.0
Methylene Chloride	0.80	<0.80	<0.80	<0.80
Freon-113	0.80	<0.80	<0.80	<0.80
Carbon Disulfide	5.0	<5.0	<5.0	<5.0
Allyl Chloride	0.80	<0.80	<0.80	<0.80
trans-1,2-Dichloroethene	0.80	<0.80	<0.80	<0.80
1,1-Dichloroethane	0.80	<0.80	<0.80	<0.80
Methyl tert-Butyl Ether	0.80	<0.80	<0.80	<0.80
Vinyl Acetate	0.80	<0.80	<0.80	1.2
Methyl Ethyl Ketone	0.80	1.3	1.3	1.7
cis-1,2-Dichloroethylene	0.80	<0.80	<0.80	<0.80
Hexane	0.80	<0.80	<0.80	<0.80
Ethyl Acetate	0.80	3.3	2.8	5.0

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : JAV
Approved by : SAP
Date : 02-JUN-20
Supervisor: SAP



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LABORATORY ANALYSIS REPORT

LLEAP Lab ID #04083

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

Client : Apex Environmental Consultants
Site : NS
Project No. : SUNLIGHTEN, OVERLAND PARK, KS 66212
Date Sampled : 22-MAY-20 Account No.: 18653
Date Received : 26-MAY-20 Login No. : L512526
Date Analyzed : 02-JUN-20 Units : ppbv
Report ID : 1198763

Galson ID: L512526-1 L512526-2 L512526-3
Client ID: ppbv VOC-01 VOC-02 VOC-03

Chloroform	0.80	<0.80	<0.80
Tetrahydrofuran	0.80	<0.80	<0.80
1,2-Dichloroethane	0.80	<0.80	<0.80
1,1,1-Trichloroethane	0.80	<0.80	<0.80
Benzene	0.80	<0.80	<0.80
Carbon Tetrachloride	0.80	<0.80	<0.80
Cyclohexane	0.80	<0.80	<0.80
1,2-Dichloropropane	0.80	<0.80	<0.80
Bromodichloromethane	0.80	<0.80	<0.80
1,4-Dioxane	0.80	<0.80	<0.80
Trichloroethylene	0.80	<0.80	<0.80
2,2,4-Trimethylpentane	0.80	<0.80	<0.80
Methyl Methacrylate	0.80	<0.80	<0.80
Heptane	0.80	<0.80	<0.80
cis-1,3-Dichloropropene	0.80	<0.80	<0.80
trans-1,3-Dichloropropene	0.80	<0.80	<0.80

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
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Client : Apex Environmental Consultants
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Date Sampled : 22-MAY-20 Account No.: 18653
Date Received : 26-MAY-20 Login No. : L512526
Date Analyzed : 02-JUN-20 Units : ppbv
Report ID : 1198763

Galson ID:	LOQ	L512526-1	L512526-2	L512526-3
Client ID:	ppbv	VOC-01	VOC-02	VOC-03
1,1,2-Trichloroethane	0.80	<0.80	<0.80	<0.80
Methyl Isobutyl Ketone	0.80	<0.80	<0.80	<0.80
Toluene	0.80	1.6	1.4	1.9
Methyl Butyl Ketone	0.80	<0.80	<0.80	<0.80
Dibromochloromethane	0.80	<0.80	<0.80	<0.80
1,2-Dibromoethane	0.80	<0.80	<0.80	<0.80
Tetrachloroethylene	0.80	<0.80	<0.80	<0.80
Chlorobenzene	0.80	<0.80	<0.80	<0.80
Ethylbenzene	0.80	<0.80	<0.80	<0.80
m & p-Xylene	1.6	<1.6	2.4	3.0
Bromoform	0.80	<0.80	<0.80	<0.80
Styrene	0.80	<0.80	1.1	<0.80
1,1,2,2-Tetrachloroethan	0.80	<0.80	<0.80	<0.80
o-Xylene	0.80	<0.80	<0.80	1.0
Nonane	0.80	<0.80	<0.80	<0.80
Cumene	0.80	<0.80	<0.80	<0.80

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : JAV
Approved by : SAP
Date : 02-JUN-20
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Date Sampled : 22-MAY-20 Account No.: 18653
Date Received : 26-MAY-20 Login No. : L512526
Date Analyzed : 02-JUN-20 Units : ppbv
Report ID : 1198763

Galson ID:	LOQ	L512526-1	L512526-2	L512526-3
Client ID:	ppbv	VOC-01	VOC-02	VOC-03
2-Chlorotoluene	0.80	<0.80	<0.80	<0.80
n-Propylbenzene	0.80	<0.80	<0.80	<0.80
4-Ethyltoluene	0.80	<0.80	<0.80	<0.80
1,3,5-Trimethylbenzene	0.80	<0.80	<0.80	<0.80
1,2,4-Trimethylbenzene	0.80	<0.80	<0.80	<0.80
Benzyl Chloride	0.80	<0.80	<0.80	<0.80
1,3-Dichlorobenzene	0.80	<0.80	<0.80	<0.80
1,4-Dichlorobenzene	0.80	<0.80	<0.80	<0.80
1,2-Dichlorobenzene	0.80	<0.80	<0.80	<0.80
Naphthalene	0.80	<0.80	<0.80	<0.80

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : JAV
Approved by : SAP
Date : 02-JUN-20
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Date Sampled : 22-MAY-20 Account No.: 18653
Date Received : 26-MAY-20 Login No. : L512526
Date Analyzed : 02-JUN-20 Units : ppbv
Report ID : 1198763

Galson ID: L512526-4 L512526-5
Client ID: ppbv VOC-04 VOC-05

Propylene	5.0	<5.0	<5.0
Freon-12	0.80	<0.80	<0.80
Chloromethane	0.80	0.80	<0.80
Freon-114	0.80	<0.80	<0.80
Vinyl Chloride	0.80	<0.80	<0.80
1,3-Butadiene	0.80	<0.80	<0.80
n-Butane	0.80	1.8	<0.80
Bromomethane	0.80	<0.80	<0.80
Chloroethane	0.80	<0.80	<0.80
Acetonitrile	5.0	11	7.0
Vinyl Bromide	0.80	<0.80	<0.80
Acrolein	0.80	<0.80	<0.80
Acetone	5.0	30	9.0
Freon-11	0.80	<0.80	<0.80
Isopropyl Alcohol	5.0	12	<5.0
Acrylonitrile	0.80	<0.80	<0.80

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
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Report ID : 1198763

Galson ID: L512526-4 L512526-5
Client ID: ppbv VOC-04 VOC-05

Pentane	0.80	1.6	0.80
Ethyl Bromide	0.80	<0.80	<0.80
1,1-Dichloroethene	0.80	<0.80	<0.80
tert-Butyl Alcohol	5.0	<5.0	<5.0
Methylene Chloride	0.80	<0.80	<0.80
Freon-113	0.80	<0.80	<0.80
Carbon Disulfide	5.0	<5.0	<5.0
Allyl Chloride	0.80	<0.80	<0.80
trans-1,2-Dichloroethene	0.80	<0.80	<0.80
1,1-Dichloroethane	0.80	<0.80	<0.80
Methyl tert-Butyl Ether	0.80	<0.80	<0.80
Vinyl Acetate	0.80	<0.80	<0.80
Methyl Ethyl Ketone	0.80	1.5	<0.80
cis-1,2-Dichloroethylene	0.80	<0.80	<0.80
Hexane	0.80	<0.80	<0.80
Ethyl Acetate	0.80	2.5	1.7

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : JAV
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Date Analyzed : 02-JUN-20 Units : ppbv
Report ID : 1198763

Galson ID: L512526-4 L512526-5
Client ID: VOC-04 VOC-05

Chloroform	0.80	<0.80
Tetrahydrofuran	0.80	<0.80
1,2-Dichloroethane	0.80	<0.80
1,1,1-Trichloroethane	0.80	<0.80
Benzene	0.80	<0.80
Carbon Tetrachloride	0.80	<0.80
Cyclohexane	0.80	<0.80
1,2-Dichloropropane	0.80	<0.80
Bromodichloromethane	0.80	<0.80
1,4-Dioxane	0.80	<0.80
Trichloroethylene	0.80	<0.80
2,2,4-Trimethylpentane	0.80	<0.80
Methyl Methacrylate	0.80	<0.80
Heptane	0.80	<0.80
cis-1,3-Dichloropropene	0.80	<0.80
trans-1,3-Dichloropropene	0.80	<0.80

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : JAV
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Supervisor: SAP



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Date Analyzed : 02-JUN-20 Units : ppbv
Report ID : 1198763

Galson ID: L512526-4 L512526-5
Client ID: VOC-04 VOC-05

1,1,2-Trichloroethane	0.80	<0.80
Methyl Isobutyl Ketone	0.80	<0.80
Toluene	0.80	1.5
Methyl Butyl Ketone	0.80	<0.80
Dibromochloromethane	0.80	<0.80
1,2-Dibromoethane	0.80	<0.80
Tetrachloroethylene	0.80	<0.80
Chlorobenzene	0.80	<0.80
Ethylbenzene	0.80	2.9
m & p-Xylene	1.6	13
Bromoform	0.80	<0.80
Styrene	0.80	<0.80
1,1,2,2-Tetrachloroethan	0.80	<0.80
o-Xylene	0.80	4.7
Nonane	0.80	<0.80
Cumene	0.80	<0.80

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : JAV
Approved by : SAP
Date : 02-JUN-20
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Date Sampled : 22-MAY-20 Account No.: 18653
Date Received : 26-MAY-20 Login No. : L512526
Date Analyzed : 02-JUN-20 Units : ppbv
Report ID : 1198763

Galson ID: L512526-4 L512526-5
Client ID: VOC-04 VOC-05

2-Chlorotoluene	0.80	<0.80
n-Propylbenzene	0.80	<0.80
4-Ethyltoluene	0.80	<0.80
1,3,5-Trimethylbenzene	0.80	<0.80
1,2,4-Trimethylbenzene	0.80	<0.80
Benzyl Chloride	0.80	<0.80
1,3-Dichlorobenzene	0.80	<0.80
1,4-Dichlorobenzene	0.80	<0.80
1,2-Dichlorobenzene	0.80	<0.80
Naphthalene	0.80	<0.80

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
Collection Media : Mini Can
Submitted by : JAV
Approved by : SAP
Date : 02-JUN-20
Supervisor: SAP



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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Apex Environmental Consultants Account No. : 18653
 Site : NS Login No. : L512526
 Project No. : SUNLIGHTEN, OVERLAND PARK, KS 66212
 Date Sampled : 22-MAY-20 Date Analyzed : 02-JUN-20
 Date Received : 26-MAY-20 Report ID : 1198764
 www.ssggalson.com

Client ID : VOC-01 Lab ID : L512526-1

<u>Tentatively Identified Compounds</u>	<u>CAS Number</u>	<u>Retention Time</u>	<u>Estimated Concentration</u>
			ppbv
Isobutane	000075-28-5	4.33	11
Ethanol	000064-17-5	5.08	110
Heptane, 2,2,4,6,6-pentamethyl-	013475-82-6	18.30	8.8
Tridecane, 6-methyl-	013287-21-3	18.57	11
Hexane, 2,2,3-trimethyl-	016747-25-4	18.86	10
Hexane, 2,2,5-trimethyl-	003522-94-9	18.90	13
Undecane, 2,8-dimethyl-	017301-25-6	19.12	9.1

Analytical Method: mod. OSHA PV2120/mod. EPA T015; GC/MS
 Collection Media : Mini Can
 Submitted by : JAV
 Approved by : SAP
 Date : 03-JUN-20
 Supervisor: SAP



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Client : Apex Environmental Consultants Account No. : 18653
Site : NS Login No. : L512526
Project No. : SUNLIGHTEN, OVERLAND PARK, KS 66212
Date Sampled : 22-MAY-20 Date Analyzed : 02-JUN-20
Date Received : 26-MAY-20 Report ID : 1198764

Client ID : VOC-02 Lab ID : L512526-2

<u>Tentatively Identified Compounds</u>	<u>CAS Number</u>	<u>Retention Time</u>	<u>Estimated Concentration</u>
			<u>ppbv</u>
Ethanol	000064-17-5	5.07	130
Heptane, 2,2,4,6,6-pentamethyl-	013475-82-6	18.30	23
Tridecane, 6-methyl-	013287-21-3	18.57	30
Hexane, 2,2,3-trimethyl-	016747-25-4	18.86	26
Octane, 2,6-dimethyl-	002051-30-1	18.90	31
Undecane, 2,8-dimethyl-	017301-25-6	19.12	20

Analytical Method: mod. OSHA PV2120/mod. EPA T015; GC/MS
Collection Media : Mini Can
Submitted by : JAV
Approved by : SAP
Date : 03-JUN-20
Supervisor: SAP



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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Apex Environmental Consultants Account No. : 18653
 Site : NS Login No. : L512526
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Client ID : VOC-03 Lab ID : L512526-3

<u>Tentatively Identified Compounds</u>	<u>CAS Number</u>	<u>Retention Time</u>	<u>Estimated Concentration</u>
			<u>ppbv</u>
Isobutane	000075-28-5	4.33	14
Ethanol	000064-17-5	5.08	120
Unknown Compound 1		17.29	19
Undecane, 2,2-dimethyl-	017312-64-0	18.21	9.5
Decane, 2,2-dimethyl-	017302-37-3	18.30	62
Tetradecane, 2,2-dimethyl-	059222-86-5	18.45	24
Tridecane, 6-methyl-	013287-21-3	18.57	76
Decane, 3-methyl-	013151-34-3	18.78	21
Hexane, 2,2,3-trimethyl-	016747-25-4	18.86	62
Octane, 2,6-dimethyl-	002051-30-1	18.90	79
Undecane, 2,8-dimethyl-	017301-25-6	19.12	51
Undecane, 4-methyl-	002980-69-0	19.24	11
Decane, 3,7-dimethyl-	017312-54-8	19.30	16

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
 Collection Media : Mini Can
 Submitted by : JAV
 Approved by : SAP
 Date : 03-JUN-20
 Supervisor: SAP



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Project No. : SUNLIGHTEN, OVERLAND PARK, KS 66212
Date Sampled : 22-MAY-20 Date Analyzed : 02-JUN-20
Date Received : 26-MAY-20 Report ID : 1198764

Client ID : VOC-03 Lab ID : L512526-3

<u>Tentatively Identified Compounds</u>	<u>CAS Number</u>	<u>Retention Time</u>	<u>Estimated Concentration</u> ppbv
Hexane, 3,3-dimethyl-	000563-16-6	19.37	22
Decane, 2,2,4-trimethyl-	062237-98-3	19.67	12

Analytical Method: mod. OSHA PV2120/mod. EPA T015; GC/MS
Collection Media : Mini Can
Submitted by : JAV
Approved by : SAP
Date : 03-JUN-20
Supervisor: SAP



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LELAP Lab ID #04083

LABORATORY ANALYSIS REPORT

Client : Apex Environmental Consultants Account No. : 18653
 Site : NS Login No. : L512526
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 Date Sampled : 22-MAY-20 Date Analyzed : 02-JUN-20
 Date Received : 26-MAY-20 Report ID : 1198764
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Client ID : VOC-04 Lab ID : L512526-4

<u>Tentatively Identified Compounds</u>	<u>CAS Number</u>	<u>Retention Time</u>	<u>Estimated Concentration</u>
			<u>ppbv</u>
Ethanol	000064-17-5	5.08	140
Furfural	000098-01-1	13.92	8.4
Octane, 2,2-dimethyl-	015869-87-1	17.29	18
Hexadecane	000544-76-3	17.85	8.4
Undecane, 2,2-dimethyl-	017312-64-0	18.21	9.8
Heptane, 2,2,4,6,6-pentamethyl-	013475-82-6	18.30	63
Tetradecane, 2,2-dimethyl-	059222-86-5	18.45	25
Tridecane, 6-methyl-	013287-21-3	18.57	79
Dodecane, 2,6,11-trimethyl-	031295-56-4	18.73	8.9
Decane, 2,6,8-trimethyl-	062108-26-3	18.78	22
Hexane, 2,2,3-trimethyl-	016747-25-4	18.86	64
Octane, 2,6-dimethyl-	002051-30-1	18.90	78
Undecane, 2,8-dimethyl-	017301-25-6	19.12	51

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
 Collection Media : Mini Can
 Submitted by : JAV
 Approved by : SAP
 Date : 03-JUN-20
 Supervisor: SAP



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 Date Received : 26-MAY-20 Report ID : 1198764

Client ID : VOC-04 Lab ID : L512526-4

<u>Tentatively Identified Compounds</u>	<u>CAS Number</u>	<u>Retention Time</u>	<u>Estimated Concentration</u>
			<u>ppbv</u>
Undecane, 4-methyl-	002980-69-0	19.24	11
Unknown Compound		19.30	16
Hexane, 3,3-dimethyl-	000563-16-6	19.38	21
Decane, 2,2,4-trimethyl-	062237-98-3	19.67	11

Analytical Method: mod. OSHA PV2120/mod. EPA T015; GC/MS
 Collection Media : Mini Can
 Submitted by : JAV
 Approved by : SAP
 Date : 03-JUN-20
 Supervisor: SAP



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Client ID : VOC-05 Lab ID : L512526-5

<u>Tentatively Identified Compounds</u>	<u>CAS Number</u>	<u>Retention Time</u>	<u>Estimated Concentration</u>
			<u>ppbv</u>
Ethanol	000064-17-5	5.07	21
Octane, 2,2-dimethyl-	015869-87-1	17.29	13
Decane, 2,2-dimethyl-	017302-37-3	18.30	42
Tetradecane, 2,2-dimethyl-	059222-86-5	18.44	17
Unknown Compound 1		18.57	53
Dodecane, 3-methyl-	017312-57-1	18.78	14
Hexane, 2,2,4-trimethyl-	016747-26-5	18.86	44
Octane, 2,6-dimethyl-	002051-30-1	18.90	53
Unknown Compound 2		19.12	34
Decane, 3,7-dimethyl-	017312-54-8	19.30	11
Hexane, 3,3-dimethyl-	000563-16-6	19.38	14

Analytical Method: mod. OSHA PV2120/mod. EPA TO15; GC/MS
 Collection Media : Mini Can
 Submitted by : JAV
 Approved by : SAP
 Date : 03-JUN-20
 Supervisor: SAP

Client Name : Apex Environmental Consultants
Site :

Project No. : SUNLIGHTEN, OVERLAND PARK, KS 66212

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
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Date Sampled : 22-MAY-20 Account No.: 18653
Date Received: 26-MAY-20 Login No. : L512526
Date Analyzed: 02-JUN-20

L512526 (Report ID: L198763):

NYSDOH does not offer a certification for the following compounds:

Propylene, Ethyl Acetate, Tetrahydrofuran, Methyl n-Butyl Ketone, 4-Ethyl Toluene, n-Butane, Pentane, Ethyl Bromide, Nonane, and n-Propylbenzene.
SOPs: in-vocs(39)

L512526-1-4 (Report ID: L198763):

Acetone results may be biased high due to co-elution with 2-methylbutane.

L512526 (Report ID: L198763):

The laboratory control sample (LCS) was outside the control limits of 70.0 to 130.% at 145.% recovery for Chloromethane.

The laboratory control sample (LCS) was outside the control limits of 70.0 to 130.% at 143.% recovery for n-Butane.

The standard run at the detection limit (DLS) was outside the control limits of 60.0 to 140.% at 153.% recovery for Chloromethane.

The standard run at the detection limit (DLS) was outside the control limits of 60.0 to 140.% at 165.% recovery for n-Butane.

A bracketing continuing calibration verification standard (CCV) was outside the control limits of 70.0 to 130.% at 144.% recovery for Chloromethane.

A bracketing continuing calibration verification standard (CCV) was outside the control limits of 70.0 to 130.% at 149.% recovery for n-Butane.

A bracketing continuing calibration verification standard (CCV) was outside the control limits of 70.0 to 130.% at 134.% recovery for n-Butane.

L512526 (Report ID: L198763):

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
1,1,2-Trichloroethane	+/-13.4%	99.7%
1,1-Dichloroethene	+/-16.1%	102%
1,2-Dichloroethane	+/-18.9%	103%
2,2,4-Trimethylpentane	+/-14.3%	102%
Allyl Chloride	+/-17.1%	100%
Carbon Tetrachloride	+/-18.2%	105%
cis-1,2-Dichloroethylene	+/-14.9%	102%
cis-1,3-Dichloropropene	+/-15.2%	99%
1,4-Dioxane	+/-15.5%	106%
Tetrachloroethylene	+/-15.7%	101%
Toluene	+/-15.1%	101%



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LABORATORY FOOTNOTE REPORT

Client Name : Apex Environmental Consultants
Site :
Project No. : SUNLIGHTEN, OVERLAND PARK, KS 66212

Date Sampled : 22-MAY-20 Account No. : 18653
Date Received : 26-MAY-20 Login No. : 1512526
Date Analyzed : 02-JUN-20

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1,2-Dichlorobenzene	+/-18.8%	104%
1,3,5-Trimethylbenzene	+/-16.6%	103%
Acrolein	+/-21.2%	103%
Acrylonitrile	+/-16.3%	99.6%
Cyclohexane	+/-14.2%	102%
trans-1,2-Dichloroethene	+/-14.9%	100%
Vinyl Chloride	+/-17.1%	103%
1,1-Dichloroethane	+/-14.8%	101%
1,2,4-Trimethylbenzene	+/-17.9%	105%
1,2-Dichloropropane	+/-14.3%	98.7%
4-Ethyltoluene	+/-16%	104%
Dibromochloromethane	+/-17.5%	103%
Methyl Isobutyl Ketone	+/-17.4%	103%
tert-Butyl Alcohol	+/-15%	104%
2-Chlorotoluene	+/-16.2%	103%
Chloroethane	+/-22.4%	98.6%
Heptane	+/-16.6%	102%
Methyl Butyl Ketone	+/-17.7%	106%
Nonane	+/-16%	102%
Tetrahydrofuran	+/-18%	104%
trans-1,3-Dichloropropene	+/-14.9%	104%
Vinyl Acetate	+/-17.5%	102%
Vinyl Bromide	+/-17.8%	103%
1,3-Dichlorobenzene	+/-17.9%	103%
Acetonitrile	+/-25.8%	104%
Bromoform	+/-20.4%	104%
Benzene	+/-13%	99.9%
Naphthalene	+/-30.6%	109%
Hexane	+/-15.2%	99%
n-Propylbenzene	+/-16.5%	104%
Pentane	+/-17.2%	99.6%
1,1,2,2-Tetrachloroethane	+/-17.5%	99%
1,3-Butadiene	+/-19.3%	103%
Benzyl Chloride	+/-19.8%	111%
Chloroform	+/-15.3%	101%
Freon-11	+/-18.1%	105%
Freon-12	+/-18.6%	107%
Chloromethane	+/-20.2%	103%
Methylene Chloride	+/-13.7%	99.7%
Methyl tert-Butyl Ether	+/-15.2%	103%
Styrene	+/-16.6%	103%
1,4-Dichlorobenzene	+/-18%	103%
Acetone	+/-20.8%	103%
Bromodichloromethane	+/-15.4%	103%
Carbon Disulfide	+/-14.3%	98.5%



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Client Name : Apex Environmental Consultants
Site :
Project No. : SUNLIGHTEN, OVERLAND PARK, KS 66212
Date Sampled : 22-MAY-20 Account No. : 18653
Date Received : 26-MAY-20 Login No. : L512526
Date Analyzed : 02-JUN-20

Cumene	+/-15.8%	103%
Ethyl Acetate	+/-18.9%	97.8%
Ethyl Bromide	+/-13.3%	100%
Freon-113	+/-14%	102%
Methyl Ethyl Ketone	+/-16.9%	100%
Methyl Methacrylate	+/-16%	104%
o-Xylene	+/-16.8%	103%
n-Butane	+/-15.9%	101%
1,2-Dibromoethane	+/-20.6%	101%
Chlorobenzene	+/-15.5%	99.3%
Ethylbenzene	+/-15.7%	103%
Freon-114	+/-18.3%	106%
Isopropyl Alcohol	+/-18%	105%
1,1,1-Trichloroethane	+/-16.8%	104%
Bromomethane	+/-15.7%	101%
m & p-Xylene	+/-16.3%	103%
Propylene	+/-18.6%	101%
Trichloroethylene	+/-13.3%	102%

L512526 (Report ID: 1198764) :

Note: Any detected siloxanes are always deleted from TIC results, as they may be artifacts contributed by the sampling/chromatographic system.
Non-target compounds detected in any samples are tentatively identified by using a search of the NIST/EPA Mass Spectral Library, which contains nearly two hundred thousand compounds. Compounds not detected will not be listed on the report. Compounds with very low quality matches will be reported as "unknown."
Tentatively Identified Compounds (TICS) are estimated values. TICS are calculated using an average response factor of 1 for all compounds.
SOPs: in-vocs(39)

LS125915

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APEX ENVIRONMENTAL CONSULTANTS, INC.

14955 W. 101st Terrace • Lenexa, Kansas 66215 • Tel: (913) 338-2739 • Fax: (913) 338-2741

Sample Chain of Custody

Sample Date: May 22, 20120 Page: 1 of 1

Project Name: Sunlighten, Overland Park, KS 66212 Contact: David Nold Project #: 2002371

Sample ID	Employee / Location	Flow Rate (l/m) X Time (min)	Air Volume (L)	Sampling Media	Analyte	Method
MP-01	Sunlighten mPulse Sauna	4.067 l/m x 480 min (APEX Pump No. 26)	1952	37 mm UW MCE; 3 pc	21 Metal Profile + Silicon	Mod NIOSH 7303 / Mod OSHA ID-125G; ICP MS
MP-02	Sunlighten Full Spectrum 2 Sauna	3.988 l/m x 480 min (APEX Pump No. 23)	1914	37 mm UW MCE; 3 pc	21 Metal Profile + Silicon	Mod NIOSH 7303 / Mod OSHA ID-125G; ICP MS
MP-03	Sunlighten Solo Sauna	4.094 l/m x 480 min (APEX Pump No. 021)	1965	37 mm UW MCE; 3 pc	21 Metal Profile + Silicon	Mod NIOSH 7303 / Mod OSHA ID-125G; ICP MS
MP-04	Background Sample (Inside Sunlighten Building)	3.974 l/m x 480 min (APEX Pump No. 28)	1908	37 mm UW MCE; 3 pc	21 Metal Profile + Silicon	Mod NIOSH 7303 / Mod OSHA ID-125G; ICP MS
MP-05	Outdoor Sample	4.029 l/m x 480 min (APEX Pump No. 27)	1934	37 mm UW MCE; 3 pc	21 Metal Profile + Silicon	Mod NIOSH 7303 / Mod OSHA ID-125G; ICP MS

Additional Instructions:

- > **Standard Turnaround**
- > E-mail results to: dnold@apex.com

> Send invoice to: Accts. Payable, APEX Environmental Consultants

Relinquished By: David Nold Date 5-22-20 Received by: Brett Grenert-Fischer Date: 5/26/20

Relinquished By: _____ Date: _____ Received by: _____ Date: _____



GALSON

Mr. Dave Nold
Apex Environmental Consultants
14955 W. 101st Terrace
Lenexa, KS 66215

June 02, 2020

Account# 18653

Login# L512595

Dear Dave Nold:

Enclosed are the analytical results for the samples received by our laboratory on May 26, 2020. 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

Lisa Swab
Laboratory Director

Enclosure(s)



GALSON

ANALYTICAL REPORT

Account : 18653
Login No. : L512595

Terms and Conditions & General Disclaimers

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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



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
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Client : Apex Environmental Consultants Account No.: 18653
Site : SUNLIGHTEN, OVERLAND PARK, KS Login No. : L512595
Project No. : 200237I
Date Sampled : 22-MAY-20 Date Analyzed : 01-JUN-20 - 02-JUN-20
Date Received : 26-MAY-20 Report ID : 1198716

Client ID : MP-01 Lab ID : L512595-1 Air Volume : 1952 L
Date Sampled : 05/22/20 Date Analyzed : 06/02/20

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0038	mg/m3
Antimony	0.90	<0.90	<0.00046	mg/m3
Arsenic	0.15	<0.15	<0.000077	mg/m3
Barium	0.15	<0.15	<0.000077	mg/m3
Beryllium	0.0075	<0.0075	<0.0000038	mg/m3
Cadmium	0.015	<0.015	<0.0000077	mg/m3
Calcium	30.	<30	<0.015	mg/m3
Chromium	7.5	<7.5	<0.0038	mg/m3
Cobalt	0.045	<0.045	<0.000023	mg/m3
Copper	0.30	<0.30	<0.00015	mg/m3
Iron Oxide	11.	<11	<0.0055	mg/m3
Lead	0.075	<0.075	<0.000038	mg/m3
Magnesium	7.5	<7.5	<0.0038	mg/m3
Manganese	0.15	<0.15	<0.000077	mg/m3
Nickel	0.15	<0.15	<0.000077	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm Submitted by: LZM/EJB Approved by: JYL/KEG
Date : 02-JUN-20 Supervisor : KEG



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LABORATORY ANALYSIS REPORT

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Date Received : 26-MAY-20 Report ID : 1198716

Client ID : MP-01 Lab ID : L512595-1 Air Volume : 1952 L
Date sampled : 05/22/20 Date Analyzed : 06/02/20

Parameter	LOQ	Total	Conc	Units
	ug	ug		
Potassium	15.	<15	<0.0077	mg/m3
Selenium	2.3	<2.3	<0.0012	mg/m3
Silicon	7.5	<7.5	<0.0038	mg/m3
Sodium	75.	<75	<0.038	mg/m3
Thallium	0.75	<0.75	<0.00038	mg/m3
Vanadium	0.45	<0.45	<0.00023	mg/m3
Zinc Oxide	2.8	<2.8	<0.0014	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm Submitted by: LZM/EJB Approved by: JJJL/KEG
Date : 02-JUN-20 Supervisor : KEG



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LABORATORY ANALYSIS REPORT

Client : Apex Environmental Consultants Account No. : 18653
 Site : SUNLIGHTEN, OVERLAND PARK, KS Login No. : L512595
 Project No. : 200237I
 Date Sampled : 22-MAY-20 Date Analyzed : 01-JUN-20 - 02-JUN-20
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Client ID : MP-02 **Lab ID : L512595-2** **Air Volume : 1914 L**
Date sampled : 05/22/20 **Date Analyzed : 06/02/20**

Parameter	LOQ	Total	Conc	Units
	ug	ug		
Aluminum	7.5	<7.5	<0.0039	mg/m3
Antimony	0.90	<0.90	<0.00047	mg/m3
Arsenic	0.15	<0.15	<0.000078	mg/m3
Barium	0.15	<0.15	<0.000078	mg/m3
Beryllium	0.0075	<0.0075	<0.0000039	mg/m3
Cadmium	0.015	<0.015	<0.0000078	mg/m3
Calcium	30.	<30	<0.016	mg/m3
Chromium	7.5	<7.5	<0.0039	mg/m3
Cobalt	0.045	<0.045	<0.000024	mg/m3
Copper	0.30	<0.30	<0.00016	mg/m3
Iron Oxide	11.	<11	<0.0056	mg/m3
Lead	0.075	<0.075	<0.000039	mg/m3
Magnesium	7.5	<7.5	<0.0039	mg/m3
Manganese	0.15	<0.15	<0.000078	mg/m3
Nickel	0.15	<0.15	<0.000078	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm Submitted by: LZM/EJB Approved by: JJJL/KEG
 Date : 02-JUN-20 Supervisor : KEG



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Site : SUNLIGHTEN, OVERLAND PARK, KS Login No. : L512595
Project No. : 200237I
Date Sampled : 22-MAY-20 Date Analyzed : 01-JUN-20 - 02-JUN-20
Date Received : 26-MAY-20 Report ID : 1198716

Client ID : MP-02 Lab ID : L512595-2 Air Volume : 1914 L
Date sampled : 05/22/20 Date Analyzed : 06/02/20

Parameter	LOQ	Total	Conc	Units
	ug	ug		
Potassium	15.	<15	<0.0078	mg/m3
Selenium	2.3	<2.3	<0.0012	mg/m3
Silicon	7.5	<7.5	<0.0039	mg/m3
Sodium	75.	<75	<0.039	mg/m3
Thallium	0.75	<0.75	<0.00039	mg/m3
Vanadium	0.45	<0.45	<0.00024	mg/m3
Zinc Oxide	2.8	<2.8	<0.0015	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm Submitted by: LZM/EJB Approved by: JJJL/KEG
Date : 02-JUN-20 Supervisor : KEG



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Client : Apex Environmental Consultants Account No.: 18653
Site : SUNLIGHTEN, OVERLAND PARK, KS Login No. : L512595
Project No. : 2002371
Date Sampled : 22-MAY-20 Date Analyzed : 01-JUN-20 - 02-JUN-20
Date Received : 26-MAY-20 Report ID : 1198716

Client ID : MP-03 Lab ID : L512595-3 Air Volume : 1965 L
Date sampled : 05/22/20 Date Analyzed : 06/02/20

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0038	mg/m3
Antimony	0.90	<0.90	<0.00046	mg/m3
Arsenic	0.15	<0.15	<0.000076	mg/m3
Barium	0.15	<0.15	<0.000076	mg/m3
Beryllium	0.0075	<0.0075	<0.0000038	mg/m3
Cadmium	0.015	<0.015	<0.0000076	mg/m3
Calcium	30.	<30	<0.015	mg/m3
Chromium	7.5	<7.5	<0.0038	mg/m3
Cobalt	0.045	<0.045	<0.000023	mg/m3
Copper	0.30	<0.30	<0.00015	mg/m3
Iron Oxide	11.	<11	<0.0055	mg/m3
Lead	0.075	<0.075	<0.000038	mg/m3
Magnesium	7.5	<7.5	<0.0038	mg/m3
Manganese	0.15	<0.15	<0.000076	mg/m3
Nickel	0.15	<0.15	<0.000076	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm Submitted by: LZM/EJB Approved by: JJL/KEG
Date : 02-JUN-20 Supervisor : KEG



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LABORATORY ANALYSIS REPORT

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Client : Apex Environmental Consultants Account No.: 18653
Site : SUNLIGHTEN, OVERLAND PARK, KS Login No. : L512595
Project No. : 200237I
Date Sampled : 22-MAY-20 Date Analyzed : 01-JUN-20 - 02-JUN-20
Date Received : 26-MAY-20 Report ID : 1198716

Client ID : MP-03 Lab ID : L512595-3 Air Volume : 1965 L
Date sampled : 05/22/20 Date Analyzed : 06/02/20

Parameter	LOQ	Total	Conc	Units
	ug	ug		
Potassium	15.	<15	<0.0076	mg/m3
Selenium	2.3	<2.3	<0.0011	mg/m3
Silicon	7.5	<7.5	<0.0038	mg/m3
Sodium	75.	<75	<0.038	mg/m3
Thallium	0.75	<0.75	<0.00038	mg/m3
Vanadium	0.45	<0.45	<0.00023	mg/m3
Zinc Oxide	2.8	<2.8	<0.0014	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm Submitted by: LZM/EJB Approved by: JJJL/KEG
Date : 02-JUN-20 Supervisor : KEG



GALSON

LABORATORY ANALYSIS REPORT

Client : Apex Environmental Consultants Account No. : 18653
 Site : SUNLIGHTEN, OVERLAND PARK, KS Login No. : L512595
 Project No. : 200237I
 Date Sampled : 22-MAY-20 Date Analyzed : 01-JUN-20 - 02-JUN-20
 Date Received : 26-MAY-20 Report ID : 1198716
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 East Syracuse, NY 13057
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 FAX: (315) 437-0571
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Client ID : MP-04 **Lab ID : L512595-4** **Air Volume : 1908 L**
Date sampled : 05/22/20 **Date Analyzed : 06/02/20**

<u>Parameter</u>	<u>LOQ</u> ug	<u>Total</u> ug	<u>Conc</u>	<u>Units</u>
Aluminum	7.5	<7.5	<0.0039	mg/m3
Antimony	0.90	<0.90	<0.00047	mg/m3
Arsenic	0.15	<0.15	<0.000079	mg/m3
Barium	0.15	<0.15	<0.000079	mg/m3
Beryllium	0.0075	<0.0075	<0.0000039	mg/m3
Cadmium	0.015	<0.015	<0.0000079	mg/m3
Calcium	30.	<30	<0.016	mg/m3
Chromium	7.5	<7.5	<0.0039	mg/m3
Cobalt	0.045	<0.045	<0.000024	mg/m3
Copper	0.30	<0.30	<0.00016	mg/m3
Iron Oxide	11.	<11	<0.0056	mg/m3
Lead	0.075	<0.075	<0.000039	mg/m3
Magnesium	7.5	<7.5	<0.0039	mg/m3
Manganese	0.15	<0.15	<0.000079	mg/m3
Nickel	0.15	<0.15	<0.000079	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm Submitted by: LZM/EJB Approved by: JJJL/KEG
 Date : 02-JUN-20 Supervisor : KEG



GALSON

LABORATORY ANALYSIS REPORT

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

Client : Apex Environmental Consultants Account No.: 18653
Site : SUNLIGHTEN, OVERLAND PARK, KS Login No. : L512595
Project No. : 200237I
Date Sampled : 22-MAY-20 Date Analyzed : 01-JUN-20 - 02-JUN-20
Date Received : 26-MAY-20 Report ID : 1198716

Client ID : MP-04 Lab ID : L512595-4 Air Volume : 1908 L
Date sampled : 05/22/20 Date Analyzed : 06/02/20

Parameter	LOQ	Total	Conc	Units
	ug	ug		
Potassium	15.	<15	<0.0079	mg/m3
Selenium	2.3	<2.3	<0.0012	mg/m3
Silicon	7.5	<7.5	<0.0039	mg/m3
Sodium	75.	<75	<0.039	mg/m3
Thallium	0.75	<0.75	<0.00039	mg/m3
Vanadium	0.45	<0.45	<0.00024	mg/m3
Zinc Oxide	2.8	<2.8	<0.0015	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm Submitted by: LZM/EJB Approved by: JJJL/KEG
Date : 02-JUN-20 Supervisor : KEG



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LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
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FAX: (315) 437-0571
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Client : Apex Environmental Consultants Account No.: 18653
Site : SUNLIGHTEN, OVERLAND PARK, KS Login No. : L512595
Project No. : 200237I
Date Sampled : 22-MAY-20 Date Analyzed : 01-JUN-20 - 02-JUN-20
Date Received : 26-MAY-20 Report ID : 1198716

Client ID : MP-05 Lab ID : L512595-5 Air Volume : 1934 L
Date sampled : 05/22/20 Date Analyzed : 06/02/20

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0039	mg/m3
Antimony	0.90	<0.90	<0.00047	mg/m3
Arsenic	0.15	<0.15	<0.000078	mg/m3
Barium	0.15	<0.15	<0.000078	mg/m3
Beryllium	0.0075	<0.0075	<0.0000039	mg/m3
Cadmium	0.015	<0.015	<0.0000078	mg/m3
Calcium	30.	<30	<0.016	mg/m3
Chromium	7.5	<7.5	<0.0039	mg/m3
Cobalt	0.045	<0.045	<0.000023	mg/m3
Copper	0.30	<0.30	<0.00016	mg/m3
Iron Oxide	11.	<11	<0.0055	mg/m3
Lead	0.075	<0.075	<0.000039	mg/m3
Magnesium	7.5	<7.5	<0.0039	mg/m3
Manganese	0.15	<0.15	<0.000078	mg/m3
Nickel	0.15	<0.15	<0.000078	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm Submitted by: LZM/EJB Approved by: JJJL/KEG
Date : 02-JUN-20 Supervisor : KEG



GALSON

LABORATORY ANALYSIS REPORT

Client : Apex Environmental Consultants Account No. : 18653
 Site : SUNLIGHTEN, OVERLAND PARK, KS Login No. : L512595
 Project No. : 200237I
 Date Sampled : 22-MAY-20 Date Analyzed : 01-JUN-20 - 02-JUN-20
 Date Received : 26-MAY-20 Report ID : 1198716
 6601 Kirkville Road
 East Syracuse, NY 13057
 (315) 432-5227
 FAX: (315) 437-0571
 www.ssggalson.com

Client ID : MP-05 **Lab ID : L512595-5** **Air Volume : 1934 L**
Date sampled : 05/22/20 **Date Analyzed : 06/02/20**

<u>Parameter</u>	LOQ	Total	Conc	Units
	ug	ug		
Potassium	15.	<15	<0.0078	mg/m3
Selenium	2.3	<2.3	<0.0012	mg/m3
Silicon	7.5	<7.5	<0.0039	mg/m3
Sodium	75.	<75	<0.039	mg/m3
Thallium	0.75	<0.75	<0.00039	mg/m3
Vanadium	0.45	<0.45	<0.00023	mg/m3
Zinc Oxide	2.8	<2.8	<0.0014	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm Submitted by: LZM/EJB Approved by: JJJL/KEG
 Date : 02-JUN-20 Supervisor : KEG



GALSON

LABORATORY FOOTNOTE REPORT

Client Name : Apex Environmental Consultants
 Site : SUNLIGHTEN, OVERLAND PARK, KS
 Project No. : 200237I
 Date Sampled : 22-MAY-20 Account No.: 18653
 Date Received : 26-MAY-20 Login No. : L512595
 Date Analyzed: 01-JUN-20 - 02-JUN-20

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 FAX: (315) 437-0571
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L512595 (Report ID: 1198716):

Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.

SOPs: MT-SOP-27(8), MT-SOP-28(8), MT-SOP-29(6)

Reported Iron Oxide(Fe2O3) results assume that all detected Iron is present as Iron Oxide.
 Reported Zinc Oxide (ZnO) results assume that all detected Zinc is present as Zinc Oxide.

L512595 (Report ID: 1198716):

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
Aluminum	+/-8.5%	99.5%
Antimony	+/-11%	108%
Arsenic	+/-11.4%	106%
Barium	+/-7.2%	101%
Beryllium	+/-13.6%	104%
Cadmium	+/-10.7%	102%
Calcium	+/-10.5%	106%
Chromium	+/-7.3%	102%
Cobalt	+/-11.3%	94.9%
Copper	+/-9.2%	102%
Iron Oxide	+/-10.1%	105%
Lead	+/-9.7%	98.1%
Magnesium	+/-9.5%	101%
Manganese	+/-9.1%	97.8%
Nickel	+/-10.5%	95.8%
Potassium	+/-10.5%	98.2%
Selenium	+/-11.5%	102%
Silicon	+/-13.5%	113%
Sodium	+/-12.9%	100%
Thallium	+/-11.7%	95.4%
Vanadium	+/-9%	101%
Zinc Oxide	+/-7.2%	102%



LABORATORY FOOTNOTE REPORT

Client Name : Apex Environmental Consultants
Site : SUNLIGHTEN, OVERLAND PARK, KS
Project No. : 200237I

Date Sampled : 22-MAY-20 Account No. : 18653
Date Received: 26-MAY-20 Login No. : 1512595
Date Analyzed: 01-JUN-20 - 02-JUN-20

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East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
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Parameter	Method
Aluminum	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Antimony	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Arsenic	mod. NIOSH 7303/mod. OSHA ID-125G; ICP/MS
Barium	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Beryllium	mod. NIOSH 7303/mod. OSHA ID-125G; ICP/MS
Cadmium	mod. NIOSH 7303/mod. OSHA ID-125G; ICP/MS
Calcium	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Chromium	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Cobalt	mod. NIOSH 7303/mod. OSHA ID-125G; ICP/MS
Copper	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Iron Oxide	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Lead	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Magnesium	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Manganese	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Nickel	mod. NIOSH 7303/mod. OSHA ID-125G; ICP/MS
Potassium	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Selenium	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Silicon	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Sodium	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Thallium	mod. NIOSH 7303/mod. OSHA ID-125G; ICP/MS
Vanadium	mod. NIOSH 7303/mod. OSHA ID-125G; ICP
Zinc Oxide	mod. NIOSH 7303/mod. OSHA ID-125G; ICP

LS12565

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APEX ENVIRONMENTAL CONSULTANTS, INC.

14955 W. 101st Terrace • Lenexa, Kansas 66215 • Tel: (913) 338-2739 • Fax: (913) 338-2741

Sample Chain of Custody

Sample Date: May 22, 20120

Page: 1 of 1

Project Name: Sunlighten, Overland Park, KS 66212

Contact: David Nold

Project #: 2002371

Sample ID	Employee / Location	Sampling Time (Min)	Sampling Media	Analyte	Method
SD-01	Sunlighten mPulse Sauna (Badge No. A148820)	480 Minutes	UMEX-200 Passive Monitor (Lot 12468)	Sulfur Dioxide	In-house: IC-SOP-14; IC
SD-02	Sunlighten Full Spectrum 2 Sauna (Badge No. A148961)	480 Minutes	UMEX-200 Passive Monitor (Lot 12468)	Sulfur Dioxide	In-house: IC-SOP-14; IC
SD-03	Sunlighten Solo Sauna (Badge No. A148823)	480 Minutes	UMEX-200 Passive Monitor (Lot 12468)	Sulfur Dioxide	In-house: IC-SOP-14; IC
SD-04	Background Sample Inside Sunlighten Building (Badge No. A148830)	480 Minutes	UMEX-200 Passive Monitor (Lot 12468)	Sulfur Dioxide	In-house: IC-SOP-14; IC
SD-05	Outdoor Sample (Badge No. A148818)	480 Minutes	UMEX-200 Passive Monitor (Lot 12468)	Sulfur Dioxide	In-house: IC-SOP-14; IC

Additional Instructions:

- **Standard Turnaround**
- E-mail results to: dnold@apex.com

➤ Send invoice to: Accts. Payable, APEX Environmental Consultants

Relinquished By: David Nold Date 5-22-20 Received by: Brett Grenert-Fischer 5/26/20 1045

Relinquished By: _____ Date _____ Received by: _____ Date _____



GALSON

Mr. Dave Nold
Apex Environmental Consultants
14955 W. 101st Terrace
Lenexa, KS 66215

June 01, 2020

Account# 18653

Login# L512565

Dear Dave Nold:

Enclosed are the analytical results for the samples received by our laboratory on May 26, 2020. 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'.

Lisa Swab
Laboratory Director

Enclosure(s)

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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



LABORATORY ANALYSIS REPORT

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

Client : Apex Environmental Consultants Account No.: 18653
 Site : SUNLIGHTEN, OVERLAND PARK, KS Login No. : L512565
 Project No. : 200237I
 Date Sampled : 22-MAY-20 Date Analyzed : 30-MAY-20
 Date Received : 26-MAY-20 Report ID : 1198517

Sulfur Dioxide

<u>Sample ID</u>	<u>Lab ID</u>	<u>Time</u> minutes	<u>Total</u> ug	<u>Conc</u> mg/m3	<u>ppm</u>
SD-01	L512565-1	480	<2.8	<0.38	<0.14
SD-02	L512565-2	480	<2.8	<0.38	<0.14
SD-03	L512565-3	480	<2.8	<0.38	<0.14
SD-04	L512565-4	480	<2.8	<0.38	<0.14
SD-05	L512565-5	480	<2.8	<0.38	<0.14

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of Quantitation: 2.7 ug
 Analytical Method : In-house: IC-SOP-14; IC
 Collection Media : 500-200

Submitted by: KLS
 Date : 01-JUN-20
 Supervisor : MWJ

Approved by: MLN



GALSON

LABORATORY FOOTNOTE REPORT

Client Name : Apex Environmental Consultants
Site : SUNLIGHTEN, OVERLAND PARK, KS
Project No. : 200237I

Date Sampled : 22-MAY-20 Account No. : 18653
Date Received: 26-MAY-20 Login No. : L512565
Date Analyzed: 30-MAY-20

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

L512565 (Report ID: L198517):
SOPs: IC-SOP-14(19)
Total ug corrected for a desorption efficiency of 98%.

L512565 (Report ID: L198517):
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
Sulfur Dioxide	+/-7.3%	103%

L512596

82



APEX ENVIRONMENTAL CONSULTANTS, INC.

14955 W. 101st Terrace • Lenexa, Kansas 66215 • Tel: (913) 338-2739 • Fax: (913) 338-2741

Sample Chain of Custody

Sample Date: May 22, 20120 Page: 1 of 1

Project Name: Sunlighten, Overland Park, KS 66212

Contact: David Nold Project #: 2002371

Sample ID	Employee / Location	Flow Rate (l/m) X Time (min)	Air Volume (L)	Sampling Media	Analyte	Method
CB-01	Sunlighten mPulse Sauna	1.996 l/m x 480 min (APEX Pump No. 4)	958.1	37 mm PW PVC; 2 pc	Carbon (Extracted)	Mod OSHA ID-196
CB-02	Sunlighten Full Spectrum 2 Sauna	1.993 l/m x 480 min (APEX Pump No. 8)	956.6	37 mm PW PVC; 2 pc	Carbon (Extracted)	Mod OSHA ID-196
CB-03	Sunlighten Solo Sauna	1.988 l/m x 480 min (APEX Pump No. 7)	954.2	37 mm PW PVC; 2 pc	Carbon (Extracted)	Mod OSHA ID-196
CB-04	Background Sample (Inside Sunlighten Building)	2.075 l/m x 480 min (APEX Pump No. 2)	996.0	37 mm PW PVC; 2 pc	Carbon (Extracted)	Mod OSHA ID-196
CB-05	Outdoor Sample	2.013 l/m x 480 min (APEX Pump No. 3)	966.2	37 mm PW PVC; 2 pc	Carbon (Extracted)	Mod OSHA ID-196

Additional Instructions:

- > **Standard Turnaround**
- > E-mail results to: dnold@apex.com

> Send invoice to: Accts. Payable, APEX Environmental Consultants

Relinquished By: [Signature] Date 5-22-20 Received by: Brett Grenert-Fischer Date: 5/26/20 1045

Relinquished By: _____ Date _____ Received by: _____ Date: _____



GALSON

Mr. Dave Nold
Apex Environmental Consultants
14955 W. 101st Terrace
Lenexa, KS 66215

June 02, 2020

Account# 18653

Login# L512596

Dear Dave Nold:

Enclosed are the analytical results for the samples received by our laboratory on May 26, 2020. 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

Lisa Swab
Laboratory Director

Enclosure(s)

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Analytical Disclaimers

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- 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



LABORATORY ANALYSIS REPORT

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Client : Apex Environmental Consultants Account No.: 18653
 Site : SUNLIGHTEN, OVERLAND PARK, KS Login No. : L512596
 Project No. : 200237I
 Date Sampled : 22-MAY-20 Date Analyzed : 02-JUN-20
 Date Received : 26-MAY-20 Report ID : 1198747

Carbon Black

<u>Sample ID</u>	<u>Lab ID</u>	<u>Air Vol</u> liter	<u>Total</u> mg	<u>Conc</u> mg/m3
CB-01	L512596-1	958.1	<0.70	<0.73
CB-02	L512596-2	956.6	<0.70	<0.73
CB-03	L512596-3	954.2	<0.70	<0.73
CB-04	L512596-4	996	<0.70	<0.70
CB-05	L512596-5	966.2	<0.70	<0.72

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of Quantitation: 0.70 mg
 Analytical Method : mod. OSHA ID-196; Gravimetric
 Collection Media : PVC PW 37mm

Submitted by: PMH
 Date : 02-JUN-20
 Supervisor : JGC

Approved by: JGC



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LABORATORY FOOTNOTE REPORT

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FAX: (315) 437-0571
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Client Name : Apex Environmental Consultants
Site : SUNLIGHTEN, OVERLAND PARK, KS
Project No. : 200237I
Date Sampled : 22-MAY-20
Date Received : 26-MAY-20
Date Analyzed : 02-JUN-20
Account No. : 18653
Login No. : L512596

L512596 (Report ID: 1198747):
SOPs: ic-oid196(20)

L512596 (Report ID: 1198747):

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
Carbon Black	+/-16.1%	89.9%

APPENDIX B
PHOTOGRAPH LOG

PHOTO LOG

PROJECT NAME: Sauna Air Quality Testing

PROJECT LOCATION: Sunlighten Saunas, Overland Park, KS

APEX Project No.: 200237IH



Photo No. 1	View of air sampling in the Sunlighten mPulse Sauna.
--------------------	--



Photo No. 2	View of air sampling apparatuses inside the Sunlighten mPulse Sauna.
--------------------	--

PHOTO LOG

PROJECT NAME: Sauna Air Quality Testing

PROJECT LOCATION: Sunlighten Saunas, Overland Park, KS

APEX Project No.: 200237IH



Photo No. 3	View of air sampling in the Sunlighten Full Spectrum 2 Sauna.
--------------------	---



Photo No. 4	View of air sampling apparatuses inside the Sunlighten Full Spectrum 2 Sauna.
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PHOTO LOG

PROJECT NAME: Sauna Air Quality Testing

PROJECT LOCATION: Sunlighten Saunas, Overland Park, KS

APEX Project No.: 200237IH



Photo No. 5	View of air sampling in the Sunlighten Solo Sauna.
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Photo No. 6	View of air sampling apparatuses inside the Sunlighten Solo Sauna.
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PHOTO LOG

PROJECT NAME: Sauna Air Quality Testing

PROJECT LOCATION: Sunlighten Saunas, Overland Park, KS

APEX Project No.: 200237IH



<p>Photo No. 7</p>	<p>View of background air sample being collected on the second floor of the Sunlighten Saunas building.</p>
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