Report of:

Industrial Hygiene Sampling

Husqvarna Construction Products Olathe, KS

Palmetto EHS Report No: 2017069 (Project 2) Submitted March 3, 2017

Prepared for:

Husqvarna Construction Products

Prepared By:



Palmetto EHS, LLC 100 Old Cherokee Rd. Suite F, Box 163 Lexington, SC 29072 803-462-4404 (Phone) 803-462-4408 (Fax)



Safety • Industrial Hygiene • OSHA Compliance • Training

March 3, 2017

Husqvarna Construction Products 17400 West 119th St. Olathe, KS 66061

 Attention:
 Mr. Richard Tremain

 Reference:
 REPORT OF INDUSTRIAL HYGIENE SAMPLING

 Palmetto EHS Report No. 2017069 (Project 2)

Dear Mr. Tremain:

Palmetto EHS, LLC (Palmetto EHS) is pleased to provide the enclosed Industrial Hygiene Sampling report for the referenced site. The assessment was conducted on February 22, 2017. The report includes an executive summary, investigative methods, results and conclusions.

This work was performed in general conformance with Palmetto EHS Proposal Number 2017069 dated February 12, 2017. This report is provided for the sole use of Husqvarna Construction Products. Use of this report by any other parties will be at such party's sole risk and Palmetto EHS disclaims liability for any such use or reliance by third parties. The results presented in this report are indicative of conditions only during the time of the sampling period and of the specific areas referenced.

We appreciate the opportunity to work with you. If you have any questions concerning this report, please call us at (803) 462-4404.

Sincerely, Palmetto EHS, LLC

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Rachel Morgan, MPH, ASP EHS Specialist



Collect Edany

Colleen Eubanks, CIH, CSP, CET President

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Executive Summary

Palmetto EHS conducted sampling for respirable dust and silica (quartz, cristobalite, and tridymite) on February 22, 2017 to assess employee and area exposure in Ladson, South Carolina for Wayne Brother Incorporated employees using a Soff-Cut 4000 Saw with a Soff-Cut V1000 Dust Collector made by Husqvarna Construction Products.

The results of the chemical sampling indicated that both of the personal samples and the area samples were below the Permissible Exposure Limits (PELs) and Action Levels (ALs) established by the Occupational Safety and Health Administration (OSHA), as well as below the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs) for respirable dust, quartz, tridymite, and cristobalite on the day of the sampling.

Recommendations are provided in the "Conclusions and Recommendations" section of this report.

OSHA requires employers to notify employees of sample results within 5 days of the employer's receipt of results. We recommend using the Exposure Notification Forms (provided in Appendix II of this report) to share exposure results with employees. Employees should sign these forms and they should be maintained as a record of the notification.

Scope of Work

The purpose of the monitoring was to assess employee exposure to respirable dust and silica in Ladson, South Carolina for Wayne Brothers Incorporated employees using a Soff-Cut 4000 Saw with a Soff-Cut V1000 Dust Collector made by Husqvarna Construction Products on February 22, 2017. Samples were collected as task length personal samples and area samples for comparison to the OSHA PELs, OSHA ALs, and ACGIH TLVs.

Materials and Methods

Chemical Sampling

Air sampling for respirable dust and silica were performed using air sampling pumps and chemical specific sampling media. A cyclone was also used to capture the respirable fraction of the dust for silica and respirable dust samples . Pumps were pre-calibrated and calibration was also verified after the sampling was complete. Samples were analyzed by *Galson Laboratories Inc.*, which is accredited by the American Industrial Hygiene Association (AIHA). The analytical methods used are listed below.

Chemical Agent	Analytical Method				
Respirable Dust	NIOSH 0600				
Silica: Quartz, Cristobalite, Tridimytie	NIOSH 7500/OSHA ID 142				
NIOSH = National Institute of Occupational Safety and Health					

OSHA = Occupational Safety and Health Administration

Results and Discussion

Background Information

The results of the exposure monitoring were compared to the PELs established by OSHA in 29 CFR 1910, General Industry Standard and the ACGIH TLVs. The limits for the chemical agents are as follows:

Agent	OSHA PEL	ACGIH TLV
Respirable Dust	5 mg/m ³	3 mg/m ³
Silica: Quartz, Cristobalite, Tridymite	25 μg/m³ (0.025 mg/m³) AL 50 μg/m³ (0.05 mg/m³) PEL	25 μg/m³ (0.025 mg/m³)

OSHA = Occupational Safety and Health AdministrationACGIH = American Conference of GovernmentalIndustrial HygienistsPEL = Permissible Exposure LimitTLV = Threshold Limit ValueAL= Action Level

A summary of the sample results are provided as Appendix I, employee notification forms are provided as Appendix II, and analytical results from the laboratory are provided as Appendix III.

Respirable Dust & Silica

Personal exposure monitoring was performed for respirable dust and silica (quartz, cristobalite, and tridymite) on one employee working as a Lead Concrete Finisher on February 22, 2017. The employee was performing early entry crack control joint cutting into a concrete slab during the sampling period. The Husqvarna Soff-Cut 4000 Saw had a Husqvarna Soff-Cut V1000 Dust Collector attached to it while the employee was operating the saw during the sampling period. During this type of concrete cutting, the concrete is not completely dry and employees have approximately a two hour window in which they can perform the early entry cutting. The employee wears personal protective equipment including safety glasses, steel toed shoes, a hard hat, a high visibility vest, hearing protection, and gloves. The sample results were below the respective OSHA PELs, OSHA ALs, and ACGIH TLVs for respirable dust, quartz, cristobalite, and tridymite on the day of the sampling.

Personal exposure monitoring was performed for respirable dust and silica (quartz, cristobalite, and tridymite) on one employee working as a Foreman Concrete Finisher on February 22, 2017. The employee was pushing the Soff-Cut V1000 Dust Collector that was attached to the Soff-Cut 4000 Saw. The dust collector picks up and contains the concrete dust created by the early entry crack control joint cutting into the concrete slab during the sampling period. This employee also changed out the bag on the dust collector containing the concrete dust picked up during the cutting. The employee wears personal protective equipment including safety glasses, steel toed shoes, a hard hat, a high visibility vest, hearing protection, and gloves. The sample results were below the respective OSHA PELs, OSHA ALs, and ACGIH TLVs for respirable dust, quartz, cristobalite, and tridymite on the day of the sampling.

One area sample was collected for respirable dust and silica (quartz, cristobalite, and tridymite) on February 22, 2017. The cassette and cyclone were affixed to the Husqvarna Soff-Cut 4000 Saw in order to determine the levels of respirable dust and silica near the blade with the use of the Husqvarna Soff-Cut V1000 Dust Collector attached to the saw. The sample results were

below the respective OSHA PELs, OSHA ALs, and ACGIH TLVs for respirable dust, quartz, cristobalite, and tridymite on the day of the sampling.

Please note that the dust collector used on the day of the sampling was in brand new condition, and results may differ if the dust collector or the saw is not maintained properly. The sampling on February 22, 2017 was conducted in a building that had a full roof and almost all of the side walls completed. Additionally, based on the situation and area/environment where the employees will be cutting concrete in the future would likely give different exposure levels due to ventilation changes, work practices of employees, the size of the building, the amount of time employees spend operating the saw, etc.

Note: OSHA issued a final rule on silica, which became effective on June 23, 2016. The rule, however, provides a staggered implementation schedule for many of the requirements of the standard. The silica standard to which we refer in this report is the new standard, which became effective on June 23, 2016.

Conclusion and Recommendations

The results of the monitoring indicate the following:

- Both of the personal sample results and the area sample results were below the respective OSHA PELs, OSHA ALs, and ACGIH TLVs on the day of the sampling.
 - If the employee operating the Soff-Cut 4000 Saw had the same exposure during the two hour sampling period for eight hours, his sampling results for quartz would have been approaching the OSHA AL and ACGIH TLV (see laboratory results in Appendix III). This is something to keep in mind when employees are operating the saw for more than the two hour window. Similarly, the area sample was equal to the OSHA PEL for quartz had the saw been in operation for eight hours on the day of the sampling. It is our understanding that typically, this would never be the case, and employees are generally only performing the cutting tasks for a few hours at a time.
- OSHA requires employers to notify employees of sample results within 5 days of the employer's receipt of results. The employer must individually notify each affected employee in writing of the results of the assessment or post the results in an appropriate location accessible to all affected employees.
 - We recommend using the Exposure Notification Forms (provided in Appendix II of this report) to share exposure results with employees. Employees should sign these forms and they should be maintained as a record of the notification.

Report: Husqvarna Construction Products (Project 2) Project No. 2017069 March 3, 2017

APPENDIX I

Summary of Monitoring Results

Report: Husqvarna Construction Products (Project 2) Project No. 2017069

March 3, 2017

	2017	Sample		Time		Result		ACGIH
Date	Employee	No.	Area/Position	(Min)	Agent	(TWA)	OSHA PEL	TLV
Cristoba	lite			1	1			
2/22/17	Field Blank	R-1			Cristobalite		25 μg/m ³ AL *50 μg/m ³ PEL	25 µg/m³
2/22/17	Area (affixed to the saw)	R-2	Area (affixed to the saw)	120	Cristobalite	LDL	25 μg/m ³ AL *50 μg/m ³ PEL	25 µg/m ³
2/22/17		R-3	Lead Concrete Finisher - Cutting	120	Cristobalite	LDL	25 μg/m ³ AL *50 μg/m ³ PEL	25 µg/m³
2/22/17		R-4	Foreman Concrete Finisher - Pushing the Dust Collector	120	Cristobalite	LDL	25 μg/m ³ AL *50 μg/m ³ PEL	25 µg/m ³
Quartz					<u> </u>	<u> </u>		
2/22/17	Field Blank	R-1			Quartz		25 μg/m ³ AL *50 μg/m ³ PEL	25 µg/m ³
2/22/17	Area (affixed to the saw)	R-2	Area (affixed to the saw)	120	Quartz	12.5 µg/m ³	25 μg/m ³ AL *50 μg/m ³ PEL	25 µg/m ³
2/22/17		R-3	Lead Concrete Finisher - Cutting	120	Quartz	5 µg/m³	25 μg/m ³ AL *50 μg/m ³ PEL	25 µg/m³
2/22/17		R-4	Foreman Concrete Finisher - Pushing the Dust Collector	120	Quartz	LDL	25 μg/m ³ AL *50 μg/m ³ PEL	25 µg/m ³
Respirab	le Dust		1					
2/22/17	Field Blank	R-1			Respirable Dust		5 mg/m ³	3 mg/m ³
2/22/17	Area (affixed to the saw)	R-2	Area (affixed to the saw)	120	Respirable Dust	0.11 mg/ m ³	5 mg/m ³	3 mg/m ³
2/22/17		R-3	Lead Concrete Finisher - Cutting	120	Respirable Dust	0.06 mg/ m ³	5 mg/m ³	3 mg/m ³
2/22/17		R-4	Foreman Concrete Finisher - Pushing the Dust Collector	120	Respirable Dust	LDL	5 mg/m ³	3 mg/m ³
Tridymite	e	<u> </u>	1	<u> </u>	1	<u></u>	<u> </u>	
2/22/17	Field Blank	R-1			Tridymite		25 μg/m ³ AL *50 μg/m ³ PEL	NA
2/22/17	Area (affixed to the saw)	R-2	Area (affixed to the saw)	120	Tridymite	LDL	25 μg/m ³ AL *50 μg/m ³ PEL	NA
2/22/17		R-3	Lead Concrete Finisher - Cutting	120	Tridymite	LDL	25 μg/m ³ AL *50 μg/m ³ PEL	NA
2/22/17		R-4	Foreman Concrete Finisher - Pushing the Dust Collector	120	Tridymite	LDL	25 μg/m ³ AL *50 μg/m ³ PEL	NA

*50 μg/m³ is the new OSHA PEL for respirable crystalline silica of which employers in construction must be in compliance by June 23, 2017.

Report: Husqvarna Construction Products (Project 2) Project No. 2017069 March 3, 2017

APPENDIX II

Employee Exposure Notification Forms

EMPLOYEE EXPOSURE NOTIFICATION FORM

Employee:

Employer: Wayne Brothers Incorporated

Location/Task: Lead Concrete Finisher - Cutting

The results of your exposure evaluation performed by Palmetto EHS are provided below. The results indicate chemical exposures below regulatory limits. Your cooperation was greatly appreciated. If you have any questions concerning your results, please contact your supervisor or the Safety Department.

Date	Agent	Result	OSHA PEL	ACGIH TLV
2/22/17	Cristobalite	LDL	25 µg/m³ AL 50 µg/m³ PEL	25 µg/m³
2/22/17	Quartz	5 µg/m³	25 µg/m³ AL 50 µg/m³ PEL	25 µg/m³
2/22/17	Respirable Dust	0.06 mg/m ³	5 mg/m ³	3 mg/m ³
2/22/17	Tridymite	LDL	25 µg/m³ AL 50 µg/m³ PEL	NA

Note 1: TWA = 8-hour Time Weighted Average

Note 2: OSHA = Occupational Safety and Health Administration

Note 3: NA = Not Applicable

Note 4: LDL = Less than detectable limit

Note 5: PEL = Permissible Exposure Limit

Note 6: ACGIH = American Conference of Governmental Industrial Hygienists

Note 7: TLV = Threshold Limit Value

Note 8: mg/m³ = milligrams per cubic meter

Note 9: AL = Action Level

Note 10: $\mu g/m3 = micrograms per cubic meter$

Employee Signature

Date

EMPLOYEE EXPOSURE NOTIFICATION FORM

Employee:

Employer: Wayne Brothers Incorporated

Location/Task: Foreman Concrete Finisher - Pushing the Dust Collector

The results of your exposure evaluation performed by Palmetto EHS are provided below. The results indicate chemical exposures below regulatory limits. Your cooperation was greatly appreciated. If you have any questions concerning your results, please contact your supervisor or the Safety Department.

Date	Agent	Result	OSHA PEL	ACGIH TLV
2/22/17	Cristobalite	LDL	25 μg/m³ AL 50 μg/m³ PEL	25 µg/m³
2/22/17	Quartz	LDL	25 μg/m³ AL 50 μg/m³ PEL	25 µg/m³
2/22/17	Respirable Dust	LDL	5 mg/m ³	3 mg/m ³
2/22/17	Tridymite	LDL	25 μg/m³ AL 50 μg/m³ PEL	NA

Note 1: TWA = 8-hour Time Weighted Average

Note 2: OSHA = Occupational Safety and Health Administration

Note 3: NA = Not Applicable

Note 4: LDL = Less than detectable limit

Note 5: PEL = Permissible Exposure Limit

Note 6: ACGIH = American Conference of Governmental Industrial Hygienists

Note 7: TLV = Threshold Limit Value

Note 8: mg/m³ = milligrams per cubic meter

- Note 9: AL = Action Level
- Note 10: µg/m3 = micrograms per cubic meter

Employee Signature

Date

Report: Husqvarna Construction Products (Project 2) Project No. 2017069 March 3, 2017

APPENDIX III

Analytical Results



Ms. Colleen Eubanks Palmetto EHS 100 Old Cherokee Rd Suite F #163 Lexington, SC 29072

DOH ELAP #11626 AIHA-LAP #100324 Account# 22560

Login# L399506

Dear Ms. Eubanks:

Enclosed are the analytical results for the samples received by our laboratory on February 23, 2017. All test results meet the quality control requirements of AIHA-LAP and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report, with the exception of IOMs, which will be cleaned and disposed of after seven calendar days.

Current Scopes of Accreditation can be viewed at www.galsonlabs.com in the accreditations section under the "about Galson" tab.

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

Sincerely,

SGS Galson Laboratories

Lisa-Luab

Lisa Swab Laboratory Director

Enclosure(s)

Galson Laboratories, Inc. is now a part of SGS, the world's leading inspection, verification, testing, and certification company. As part of our transition to SGS, you will begin to see some formatting changes with reports that will improve the presentation of data and allow for the transition to the new logo.

March 02, 2017



LABORATORY ANALYSIS REPORT

	Client	:	Palmetto EHS	Account No.: 22560
6601 Kirkville Road	Site	:	HUSQUAVARNA CONSTRUCTION PRDCT	Login No. : L399506
East Syracuse, NY 13057	Project No.	:	2017069	
(315) 432-5227	Date Sampled	:	22-FEB-17	Date Analyzed : 24-FEB-17
FAX: (315) 437-0571	Date Received	:	23-FEB-17	Report ID : 982455

Respirable Dust

www.galsonlabs.com

<u>Sample ID</u>	Lab ID	Air Vol liter	Totalmg	Conc mg/m3
R-1	L399506-1	NA	<0.050	NA
R-2	L399506-2	300	0.14	0.45
R-3	L399506-3	300	0.071	0.24
R-4	L399506-4	300	<0.050	<0.17

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

Level of quantitation Analytical Method OSHA PEL Collection Media	-	-	Submitted by Approved by Date : 24-FE Supervisor:	: SPR EB-17 NYS DOH # : 11626	
< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms	NA -Not Applicable ND -Not Detected	
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified	ppm -Parts per Million	



LABORATORY ANALYSIS REPORT

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

Client	:	Palmetto EHS	A	ccount No.: 22	256	0
Site	:	HUSQUAVARNA CONSTRUCTION PRDCT	L	ogin No. : L3	399	506
Project No.	:	2017069				
Date Sampled	:	22-FEB-17	D	ate Analyzed	:	24-FEB-17 - 27-FEB-17
Date Received	:	23-FEB-17	R	eport ID	:	982785

Respirable Crystalline Silica (RCS): Quartz, Cristobalite, Tridymite

		Air Vol		
<u>Lab ID</u>	Analyte	1	ug	ug/m3
L399506-1	Quartz	NA	<5.0	NA
	Cristobalite	NA	<5.0	NA
	Tridymite	NA	<20	NA
	RCS	NA	<5.0	NA
L399506-2	Quartz	300	15	50
	Cristobalite	300	<5.0	<17
	Tridymite	300	<20	<67
	RCS	300	15	50
L399506-3	Quartz	300	6.0	20
	Cristobalite	300	<5.0	<17
	Tridymite	300	<20	<67
	RCS	300	6.0	20
	L399506-1 L399506-2	L399506-1 Quartz Cristobalite Tridymite RCS L399506-2 Quartz Cristobalite Tridymite RCS L399506-3 Quartz Cristobalite Tridymite	Lab IDAnalyte1L399506-1QuartzNA CristobaliteNA TridymiteRCSNAL399506-2Quartz300 CristobaliteRCS300 Tridymite300 RCSL399506-3Quartz300 CristobaliteL399506-3Quartz300 CristobaliteL399506-3Quartz300 Cristobalite	Lab IDAnalyte1ugL399506-1QuartzNA<5.0

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

-	on: Q:5ug C:5ug T:20ug : mod. NIOSH 7500/mod. (: 50 ug/m3 RCS : PVC PW 37mm	Submitted: AJD/SPR SHA ID-142; XRD Approved: CMR Date: 02-MAR-17 NYS Supervisor: KRK QC by: CRD	DOH # : 11626
< -Less Than	mg -Milligrams	kg -Kilograms ppm -Parts per Millio	
> -Greater Than	ug -Micrograms	m3 -Cubic Meters NS -Not Specified	
NA -Not Applicable	ND -Not Detected	l -Liters mppcf -Million Particle	



LABORATORY ANALYSIS REPORT

	Client	: Palmetto EHS Account No.: 22560	
6601 Kirkville Road	Site	: HUSQUAVARNA CONSTRUCTION PRDCT Login No. : L399506	
East Syracuse, NY 13057	Project No.	: 2017069	
(315) 432-5227	Date Sampled	: 22-FEB-17 Date Analyzed : 24-FEB-17 - 27-FEB	i-17
FAX: (315) 437-0571	Date Received	: 23-FEB-17 Report ID : 982785	
www.galsonlabs.com			

Respirable Crystalline Silica (RCS): Quartz, Cristobalite, Tridymite

			Air Vol		
<u>Sample ID</u>	<u>Lab ID</u>	Analyte	<u> </u>	ug	ug/m3
R-4	L399506-4	Quartz	300	<5.0	<17
		Cristobalite	300	<5.0	<17
		Tridymite	300	<20	<67
		RCS	300	<5.0	<17

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

-	on: Q:5ug C:5ug T:20ug : mod. NIOSH 7500/mod. O : 50 ug/m3 RCS : PVC PW 37mm	· · · · · · · · · · · · · · · · · · ·	7 NYS DOH # : 11626
< -Less Than	mg -Milligrams	kg -Kilograms ppm -Parts pe	
> -Greater Than	ug -Micrograms	m3 -Cubic Meters NS -Not Spec	
NA -Not Applicable	ND -Not Detected	l -Liters mppcf -Million	



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LABORATORY FOOTNOTE REPORT

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

Client Name : Palmetto EHS Site : HUSQUAVARNA CONSTRUCTION PRDCT Project No. : 2017069

Date Sampled : 22-FEB-17 Date Received: 23-FEB-17 Date Analyzed: 24-FEB-17 - 27-FEB-17 Account No.: 22560 Login No. : L399506

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.

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Unless otherwise noted below, 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. The findings herein constitute no warranty of the samples' representativeness of any sampled environment and strictly relate to the samples as they were presented to the laboratory.

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 preceeding 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 below, reported results have not been blank corrected for any field blank or method blank.

L399506 (Report ID: 982455):

SOPs: GRAV-SOP-5(16), GRAV-SOP-6(15) Gravimetric analytical accuracy of the sampling media is -0.001 +/- 0.006 mg (average blank weight change +/- 95% confidence interval or k=2). The estimated uncertainty applies to the media, technology, and SOP(s) referenced in this report and does not account for any uncertainty associated with the sampling process. PNOR = Particulates Not Otherwise Regulated.

L399506 (Report ID: 982785):

SOPs: ix-xrdreview(13), ix-xrdashprep(26), ix-calibrate(11), ix-xrdstdprep(25)
We perform a quantitative secondary angle confirmation on all Quartz results greater than 0.025 mg.
Secondary angle quantitative confirmation is not possible below 0.025 mg.
The NIOSH 7500 minimum recommended sampling volume is 400 liters.
We were able to confirm Quartz in sample L399506-2 qualitatively using the secondary angle.

< -Less Than	mg -Milligrams	m3 -Cubic Meters	kg -Kilograms	ppm -Parts per Million	
> -Greater Than	ug -Micrograms	l -Liters	NS -Not Specified	ND -Not Detected	NA -Not Applicable



LABORATORY FOOTNOTE REPORT

Client Name : Palmetto EHS Site : HUSQUAVARNA CONSTRUCTION PRDCT Project No. : 2017069 6601 Kirkville Road East Syracuse, NY 13057 Date Sampled : 22-FEB-17 Account No.: 22560 (315) 432-5227 Date Received: 23-FEB-17 Login No. : L399506 FAX: (315) 437-0571 Date Analyzed: 24-FEB-17 - 27-FEB-17 www.galsonlabs.com

L399506 (Report ID: 982785):

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
Cristobalite	+/-11.1%	100%
Quartz	+/-11.3%	94.6%
Tridymite	+/-15.2%	102%

		mg -Milligrams ug -Micrograms			5 5	ppm -Parts per Million ND -Not Detected	NA -Not Applicable
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