

Report of:

Industrial Hygiene Sampling

Husqvarna Construction Products
Olathe, KS

Palmetto EHS Report No: 2017102 (Project 3)
Submitted March 31, 2017

Prepared for:

Husqvarna Construction Products

Prepared By:



Palmetto EHS
www.PalmettoEHS.com

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



Palmetto EHS
www.PalmettoEHS.com

Safety • Industrial Hygiene • OSHA Compliance • Training

March 31, 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. 2017102 (Project 3)

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 March 23, 2017. The report includes an executive summary, investigative methods, results and conclusions.

This work was performed in general conformance with Palmetto EHS Proposal Number 2017102 dated March 6, 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

Rachel Morgan, MPH, ASP
EHS Specialist



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 March 23, 2017 to assess employee and area exposure in Ladson, South Carolina for Wayne Brother Incorporated employees using a Husqvarna Soff-Cut 4000 Saw with a t8600 Ermator Dust Collector.

The results of the chemical sampling indicated that both of the personal samples and the area sample 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, cristobalite, and tridymite 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 Husqvarna Soff-Cut 4000 Saw with a t8600 Ermator Dust Collector on March 23, 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, Tridymite	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/m ³ (0.025 mg/m ³) AL 50 µg/m ³ (0.05 mg/m ³) PEL	25 µg/m ³ (0.025 mg/m ³)

OSHA = Occupational Safety and Health Administration
Industrial Hygienists
ACGIH = American Conference of Governmental
Industrial Hygienists
PEL = Permissible Exposure Limit
TLV = Threshold Limit Value
AL = 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 March 23, 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 t8600 Ermator 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 an N95 respirator. 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 March 23, 2017. The employee was pushing the t8600 Ermator Dust Collector that was attached to the Husqvarna Soff-Cut 4000 Saw during the sampling period. The dust collector picks up and contains the concrete dust created by the early entry crack control joint cutting into the concrete slab. This employee also changed out the bags on the dust collector containing the concrete dust picked up during the cutting and swept some of dust into piles that was not picked up by the dust collector during the sampling period. 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 March 23, 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 t8600 Ermator 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 new condition, and results may differ if the dust collector or the saw are not maintained properly and used in accordance with Husqvarna Construction Products recommendations. The sampling on March 23, 2017 was conducted in a building that had a full roof and almost all (approximately 90%) 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. It is our understanding that when performing the early entry joint cutting, it is a task that is only done for a few hours per shift due to the properties of the concrete needed for the task.

On March 23, 2017, the t8600 Ermator Dust Collector did not function properly during the first fifteen minutes of sampling and at various points during the sampling period it did not pick up all of the concrete dust created by the early entry crack control joint cutting, which led to one of the monitored employees having to sweep the remaining concrete dust into piles. The hose that attaches the dust collector to the saw was cut down to a smaller length during the first fifteen minutes of sampling as well. Mr. Tremain advised that the dust collector may not have been picking up all of the concrete dust due to the fitting of the cover around the blade of the saw (this cover is also where the dust collector hose attaches to the saw).

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 Soff-Cut 4000 Saw had been operated for eight hours at the same exposure level as was present during the three hour task length sampling period, the sampling results for quartz would have been above the OSHA AL and ACGIH TLV, but below the OSHA PEL (see laboratory results in Appendix III). This is something to keep in mind when the saw is being used for more than three hours. It is our understanding that typically, it would never be the case that the saw was operated for eight hours in a shift, and employees are generally only performing the cutting tasks for a few hours at a time.
 - Although the personal sample results were below regulatory limits, the OSHA Silica Standard states that the employer must not allow dry sweeping or dry brushing where such activity could contribute to employee exposure to respirable crystalline silica unless wet sweeping, HEPA-filtered vacuuming or other methods that minimize the likelihood of exposure are not feasible.
- 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.

APPENDIX I

Summary of Monitoring Results

Date	Employee	Sample No.	Area/Position	Time (Min)	Agent	Result (TWA)	OSHA PEL	ACGIH TLV
Cristobalite								
3/23/17	Field Blank	R-1	---	---	Cristobalite	---	25 µg/m ³ AL *50 µg/m ³ PEL	25 µg/m ³
3/23/17	Area (affixed to the saw)	R-2	Area (affixed to the saw)	180	Cristobalite	LDL	25 µg/m ³ AL *50 µg/m ³ PEL	25 µg/m ³
3/23/17	██████ ██████	R-3	Lead Concrete Finisher - Cutting	180	Cristobalite	LDL	25 µg/m ³ AL *50 µg/m ³ PEL	25 µg/m ³
3/23/17	██████ ██████	R-4	Foreman Concrete Finisher - Pushing the Dust Collector	180	Cristobalite	LDL	25 µg/m ³ AL *50 µg/m ³ PEL	25 µg/m ³
Quartz								
3/23/17	Field Blank	R-1	---	---	Quartz	---	25 µg/m ³ AL *50 µg/m ³ PEL	25 µg/m ³
3/23/17	Area (affixed to the saw)	R-2	Area (affixed to the saw)	180	Quartz	14.6 µg/m ³	25 µg/m ³ AL *50 µg/m ³ PEL	25 µg/m ³
3/23/17	██████ ██████	R-3	Lead Concrete Finisher - Cutting	180	Quartz	LDL	25 µg/m ³ AL *50 µg/m ³ PEL	25 µg/m ³
3/23/17	██████ ██████	R-4	Foreman Concrete Finisher - Pushing the Dust Collector	180	Quartz	LDL	25 µg/m ³ AL *50 µg/m ³ PEL	25 µg/m ³
Respirable Dust								
3/23/17	Field Blank	R-1	---	---	Respirable Dust	---	5 mg/m ³	3 mg/m ³
3/23/17	Area (affixed to the saw)	R-2	Area (affixed to the saw)	180	Respirable Dust	0.21 mg/m ³	5 mg/m ³	3 mg/m ³
3/23/17	██████ ██████	R-3	Lead Concrete Finisher - Cutting	180	Respirable Dust	LDL	5 mg/m ³	3 mg/m ³
3/23/17	██████ ██████	R-4	Foreman Concrete Finisher - Pushing the Dust Collector	180	Respirable Dust	0.09 mg/m ³	5 mg/m ³	3 mg/m ³
Tridymite								
3/23/17	Field Blank	R-1	---	---	Tridymite	---	25 µg/m ³ AL *50 µg/m ³ PEL	NA
3/23/17	Area (affixed to the saw)	R-2	Area (affixed to the saw)	180	Tridymite	LDL	25 µg/m ³ AL *50 µg/m ³ PEL	NA
3/23/17	██████ ██████	R-3	Lead Concrete Finisher - Cutting	180	Tridymite	LDL	25 µg/m ³ AL *50 µg/m ³ PEL	NA
3/23/17	██████ ██████	R-4	Foreman Concrete Finisher - Pushing the Dust Collector	180	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.

APPENDIX II

Employee Exposure Notification Forms

EMPLOYEE EXPOSURE NOTIFICATION FORM

Employee: [REDACTED]

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
3/23/17	Cristobalite	LDL	25 µg/m ³ AL 50 µg/m ³ PEL	25 µg/m ³
3/23/17	Quartz	LDL	25 µg/m ³ AL 50 µg/m ³ PEL	25 µg/m ³
3/23/17	Respirable Dust	LDL	5 mg/m ³	3 mg/m ³
3/23/17	Tridymite	LDL	25 µg/m ³ AL 50 µg/m ³ 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

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
3/23/17	Cristobalite	LDL	25 µg/m ³ AL 50 µg/m ³ PEL	25 µg/m ³
3/23/17	Quartz	LDL	25 µg/m ³ AL 50 µg/m ³ PEL	25 µg/m ³
3/23/17	Respirable Dust	0.09 mg/m ³	5 mg/m ³	3 mg/m ³
3/23/17	Tridymite	LDL	25 µg/m ³ AL 50 µg/m ³ 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
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- 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

APPENDIX III

Analytical Results



GALSON

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

March 30, 2017

DOH ELAP #11626
AIHA-LAP #100324

Account# 22560

Login# L402240

Dear Ms. Eubanks:

Enclosed are the analytical results for the samples received by our laboratory on March 24, 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 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.



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LABORATORY ANALYSIS REPORT

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

Client : Palmetto EHS
 Site : Husqvarna Construction Prod.
 Project No. : 2017102 (Project 3)
 Date Sampled : 23-MAR-17
 Date Received : 24-MAR-17

Account No.: 22560
 Login No. : L402240
 Date Analyzed : 25-MAR-17 - 27-MAR-17
 Report ID : 987537

Respirable Dust

<u>Sample ID</u>	<u>Lab ID</u>	<u>Air Vol</u> <u>liter</u>	<u>Total</u> <u>mg</u>	<u>Conc</u> <u>mg/m3</u>
R-1	L402240-1	NA	<0.050	NA
R-2	L402240-2	450	0.26	0.57
R-3	L402240-3	450	<0.050	<0.11
R-4	L402240-4	450	0.11	0.25

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

Level of quantitation: 0.050 mg
 Analytical Method : mod. NIOSH 0600; Gravimetric
 OSHA PEL : PNOR 5 mg/m3 (TWA)
 Collection Media : PVC PW 37mm

Submitted by: KBD/PAH
 Approved by : SPR
 Date : 28-MAR-17
 Supervisor: KRK

NYS DOH # : 11626
 QC by: AMD

< -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



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Login No. : L402240
Date Analyzed : 25-MAR-17 - 28-MAR-17
Report ID : 988237

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

Sample ID	Lab ID	Analyte	Air Vol		
			l	ug	ug/m3
R-1	L402240-1	Quartz	NA	<5.0	NA
		Cristobalite	NA	<5.0	NA
		Tridymite	NA	<20	NA
		RCS	NA	<5.0	NA
R-2	L402240-2	Quartz	450	18	39
		Cristobalite	450	<5.0	<11
		Tridymite	450	<20	<44
		RCS	450	18	39
R-3	L402240-3	Quartz	450	<5.0	<11
		Cristobalite	450	<5.0	<11
		Tridymite	450	<20	<44
		RCS	450	<5.0	<11

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

Level of quantitation: Q:5.0ug C:5.0ug T:20.ug	Submitted: NLO
Analytical Method : mod. NIOSH 7500/mod. OSHA ID-142; XRD	Approved: CMR
OSHA PEL : 50 ug/m3 RCS	Date : 30-MAR-17 NYS DOH # : 11626
Collection Media : PVC PW 37mm	Supervisor: KRK QC by: AMD

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



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Account No.: 22560
 Login No. : L402240
 Date Analyzed : 25-MAR-17 - 28-MAR-17
 Report ID : 988237

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

Sample ID	Lab ID	Analyte	Air Vol		
			l	ug	ug/m3
R-4	L402240-4	Quartz	450	<5.0	<11
		Cristobalite	450	<5.0	<11
		Tridymite	450	<20	<44
		RCS	450	<5.0	<11

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

Level of quantitation: Q:5.0ug C:5.0ug T:20.ug
 Analytical Method : mod. NIOSH 7500/mod. OSHA ID-142; XRD
 OSHA PEL : 50 ug/m3 RCS
 Collection Media : PVC PW 37mm

Submitted: NLO
 Approved: CMR
 Date : 30-MAR-17 NYS DOH # : 11626
 Supervisor: KRK QC by: AMD

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



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LABORATORY FOOTNOTE REPORT

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 Site : Husqvarna Construction Prod.
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 Date Sampled : 23-MAR-17 Account No.: 22560
 Date Received: 24-MAR-17 Login No. : L402240
 Date Analyzed: 25-MAR-17 - 28-MAR-17

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.

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

L402240 (Report ID: 987537):

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.

L402240 (Report ID: 988237):

SOPs: ix-xrdreview(13), ix-xrdashprep(26), ix-calibrate(12), 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. We were able to confirm Quartz in sample L402240-2 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



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Date Sampled : 23-MAR-17 Account No.: 22560
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 Date Analyzed: 25-MAR-17 - 28-MAR-17

L402240 (Report ID: 988237):

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	+/-13%	105%

< -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