



A CRH COMPANY

## FAX COVER SHEET

TILCON NEW YORK INC.  
9 Entin Road  
Parsippany, NJ 07054

**TO:** Ms. Iris Heredia

**FROM:** **Andrew Pylypyshyn – Pompton Lakes Plant Manager**

**SUBJECT:** Monthly Explosives Use Report

**TELEPHONE:** (973) 703-8124

**DATE:** 12/4/2023

**TOTAL PAGES:** 6 (Including Cover)

**MESSAGE:** Monthly explosives use report for Pompton Lakes Quarry

Month of November 2023

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# Monthly Explosives Use Report

NOTE: COMPLETE ALL APPLICABLE ENTRIES ON FRONT AND REVERSE SIDES OF THIS FORM. THE COMPLETED FORM IS TO BE MAILED TO THE OFFICE OF SAFETY COMPLIANCE WITHIN 10 DAYS AFTER THE END OF THE MONTH FOR WHICH THE REPORT IS DUE.

Name <u>Tilcon - Pompton Lakes Facility</u>	Phone No. <u>1-800-789-7625</u>
Street Address <u>Foot of Broad Street</u>	City <u>Pompton Lakes</u>
State <u>NJ</u>	Zip <u>07442</u>

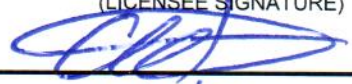
MONTH AND YEAR OF REPORT November 2023	Explosives Lbs.	Detonator (Caps) No.	Gunpowder	Other
Beginning Actual Count Inventory First of Month				
Purchases During the Month	90559	316		
Total (Item 1 plus Item 2)	90559	316		
Blasting Summary	90559	316		
Miscellaneous Adjustments				
Month Ending Inventory on Hand by actual Count				
<b>Name of Supplier :</b>	<b>DATE</b>	<b>INV. #</b>		
Maurer and Scott	11/3/2023	75220	28859	108
Maurer and Scott	11/14/2023	75363	29660	102
Maurer and Scott	11/22/2023	75514	32040	106

**TOTAL NUMBER OF BLASTS - 3**

Comments:  
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MAIL TO OFFICE OF PUBLIC SAFETY COMPLIANCE, PO BOX 386, TRENTON, NEW JERSEY 08625-0386  
 PHONE: (609) 292-2096 FAX: (609) 777-4589

**Tilcon - Pompton Lakes Facility**  
 (LICENSEE SIGNATURE)

  
 12/4/23

# EXPLOSIVES USED IN BLASTING

Shots	Date	Time	Site Location	Name of Blaster	Permit #	High Explo. Lbs.	Caps or Det.	Max. lbs. Per Delay	Nearest Structure (Feet)	Seismic PPV and Frequency			Seismic D B Level	Type (Bank Trench, I)
										Trans.	Vert.	Long.		
SHOT	11/3/2023	10:30	Pompton Lakes	Kyle Boyer	6191	28859	108	573	2002	PPV: .058 HZ: 19.2	.065 62.5	.073 31.3	108	Mass
SHOT	11/14/2023	10:30	Pompton Lakes	Kyle Boyer	6191	29660	102	678	2398	PPV: .053 HZ: 21.7	.058 7	.060 20.8	104	Mass
SHOT	11/22/2023	10:00	Pompton Lakes	Kyle Boyer	6191	32040	106	618	1983	PPV: .063 HZ: 22.7	.068 33.3	.09 35.7	109	Mass
SHOT										PPV:				
SHOT										HZ:				
SHOT										PPV:				
SHOT										HZ:				
SHOT										PPV:				
SHOT										HZ:				
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SHOT										HZ:				
SHOT										PPV:				
SHOT										HZ:				
TOTALS							90559	316						

# GeoSonics Inc. Seismic Analysis

## Velocity Waveform Analysis

**Serial No:** 5720 v3.85  
**Date:** 11/03/2023 10:30:21  
**Event No:** 56  
**Record Time:** 5.0 s  
**Client:** Tilcon  
**Operation:** Pompton Lakes  
**Location:** 30 Federal Hill  
**Distance:** 2001  
**Operator:** R Derstine  
**Comment:** Maurer & Scott  
**Seismic Trigger:** 0.050 in/s  
**Sound Trigger:** 120 db

### Summary Data

	L	T	V
PPV (in/s)	0.073	0.058	0.065
FREQ (Hz)	31.3	19.2	62.5
PD (.001")	0.54	0.46	0.31
PPA (g)	0.046	0.039	0.065
Peak Vector Sum :	0.080 in/s		
Peak Air Pressure:	108 db		
	0.00082 PSI @ 1.8 Hz		

### Additional Info:

**Shaketable Calibrated:** 02/21/2023

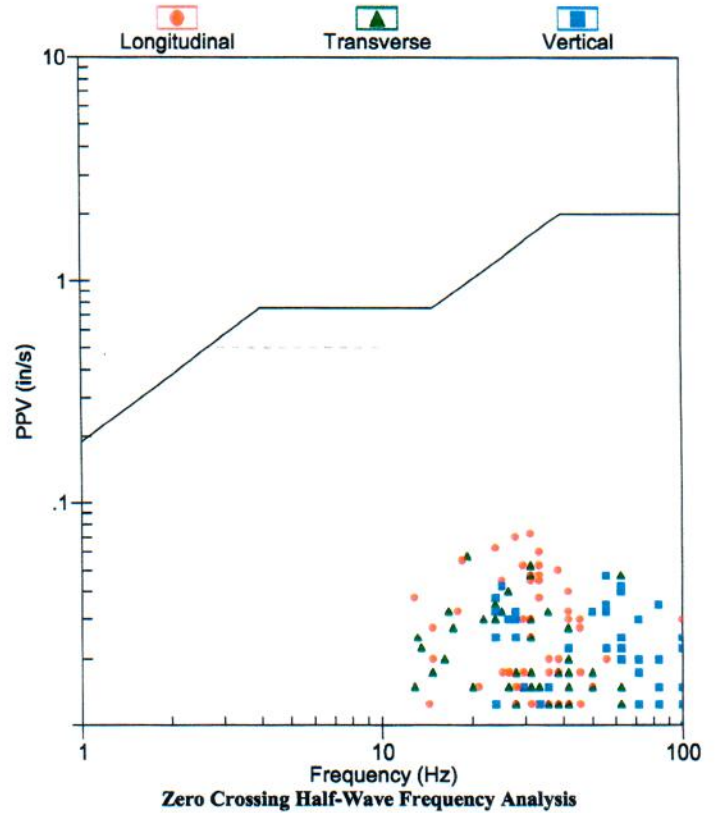
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

### Velocity Waveform Graph Scale

**Time Scale:** 0.100 s  
**Seismic Scale:** +/- 0.160 in/s  
**Sound Scale:** +/- 0.0023 PSI

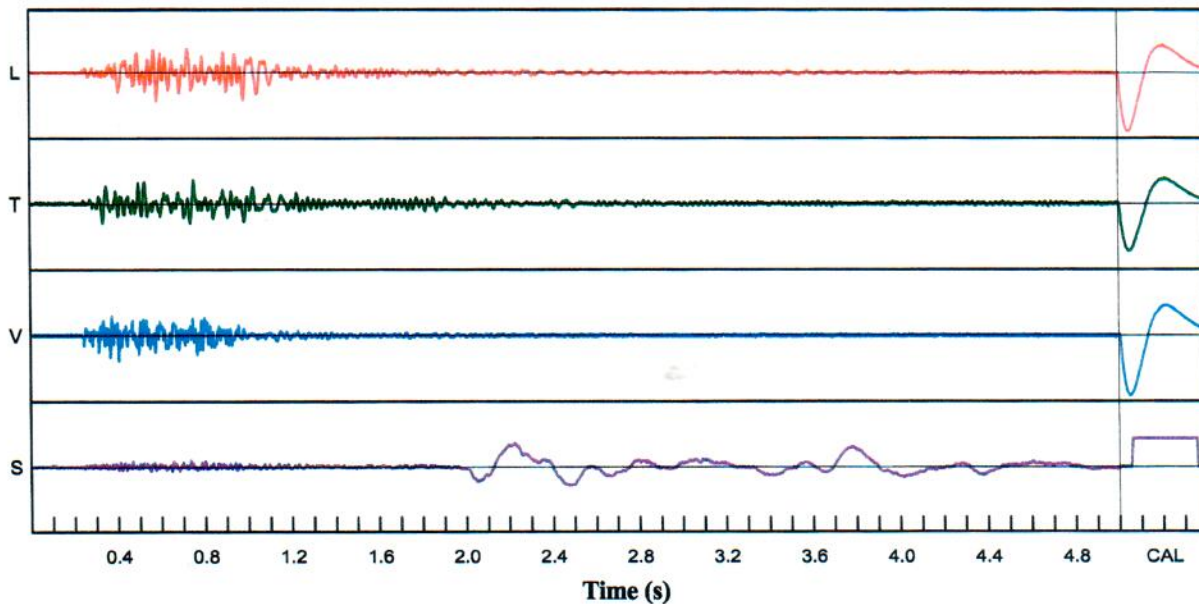
### USBM Safe Blasting Levels

SN: 5720 Event: 56



### Velocity Waveform

SN: 5720 Event: 56



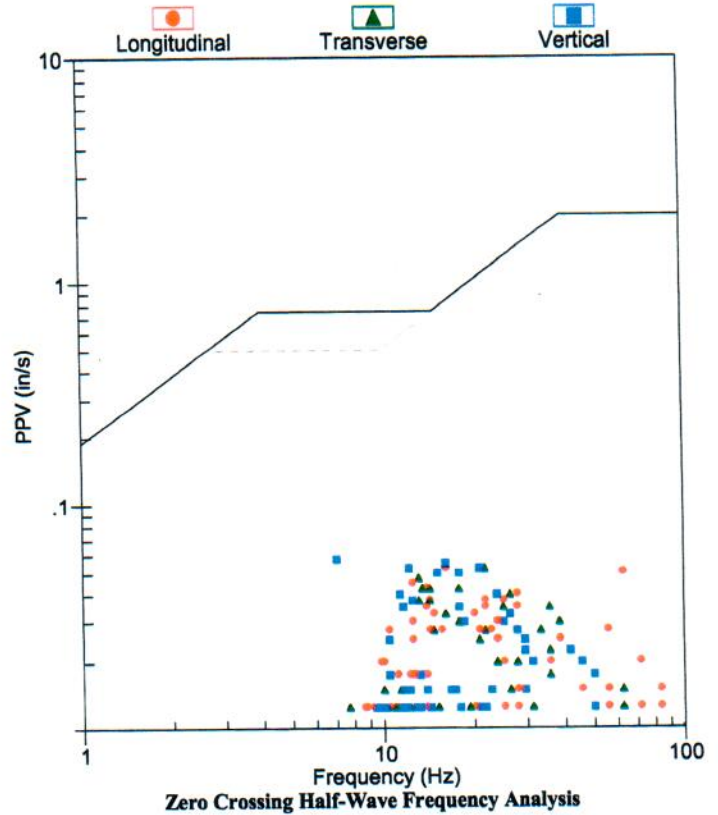
# GeoSonics Inc. Seismic Analysis

## Velocity Waveform Analysis

**Serial No:** 5720 v3.85  
**Date:** 11/14/2023 10:30:06  
**Event No:** 59  
**Record Time:** 5.0 s  
**Client:** Tilcon  
**Operation:** Pompton Lakes  
**Location:** 26 Federal Hill  
**Distance:** 2397  
**Operator:** C Flynn  
**Comment:** Maurer & Scott  
**Seismic Trigger:** 0.050 in/s  
**Sound Trigger:** 120 db

### USBM Safe Blasting Levels

SN: 5720 Event: 59



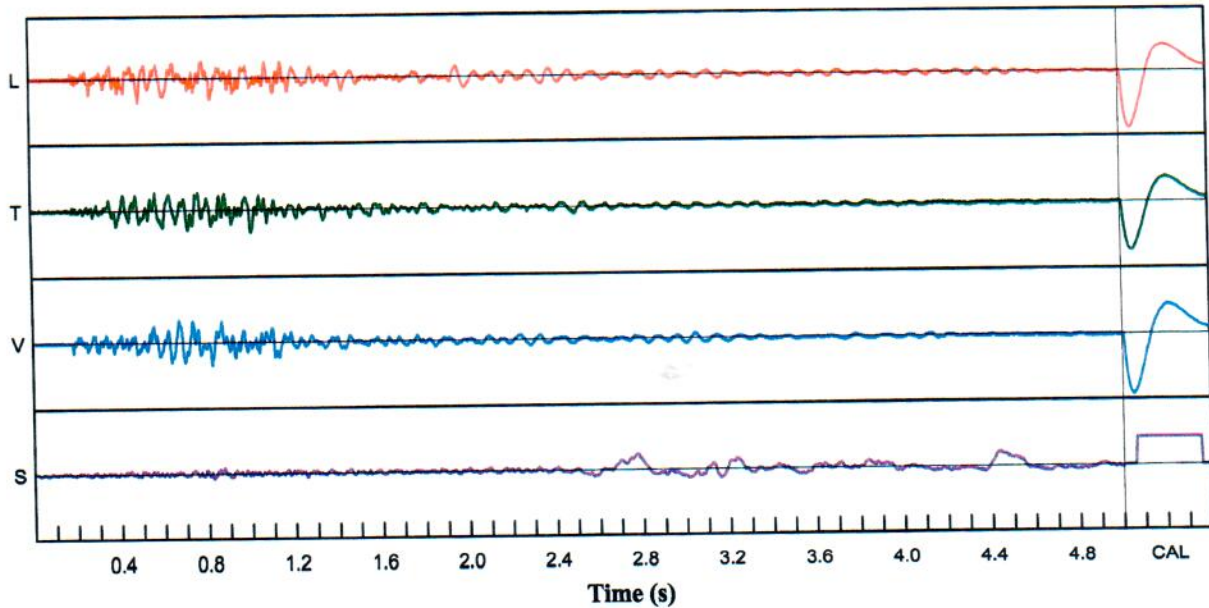
**Additional Info:**

**Shaketable Calibrated:** 02/21/2023  
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

**Velocity Waveform Graph Scale**  
**Time Scale:** 0.100 s  
**Seismic Scale:** +/- 0.160 in/s  
**Sound Scale:** +/- 0.0023 PSI

### Velocity Waveform

SN: 5720 Event: 59



# GeoSonics Inc. Seismic Analysis

## Velocity Waveform Analysis

**Serial No:** 5720 v3.85  
**Date:** 11/22/2023 10:00:02  
**Event No:** 63  
**Record Time:** 5.0 s  
**Client:** Tilcon  
**Operation:** Pompton Lakes NJ  
**Location:** 30 Federal Hill  
**Distance:** 1983  
**Operator:** G Mayberry  
**Comment:** Maurer & Scott  
**Seismic Trigger:** 0.050 in/s  
**Sound Trigger:** 120 db

	Summary Data		
	L	T	V
PPV (in/s)	0.090	0.063	0.068
FREQ (Hz)	35.7	22.7	33.3
PD (.001")	0.53	0.56	0.45
PPA (g)	0.059	0.046	0.052
Peak Vector Sum :	0.093 in/s		
Peak Air Pressure:	109 db		
	0.00100 PSI @ 3.7 Hz		

**Additional Info:**

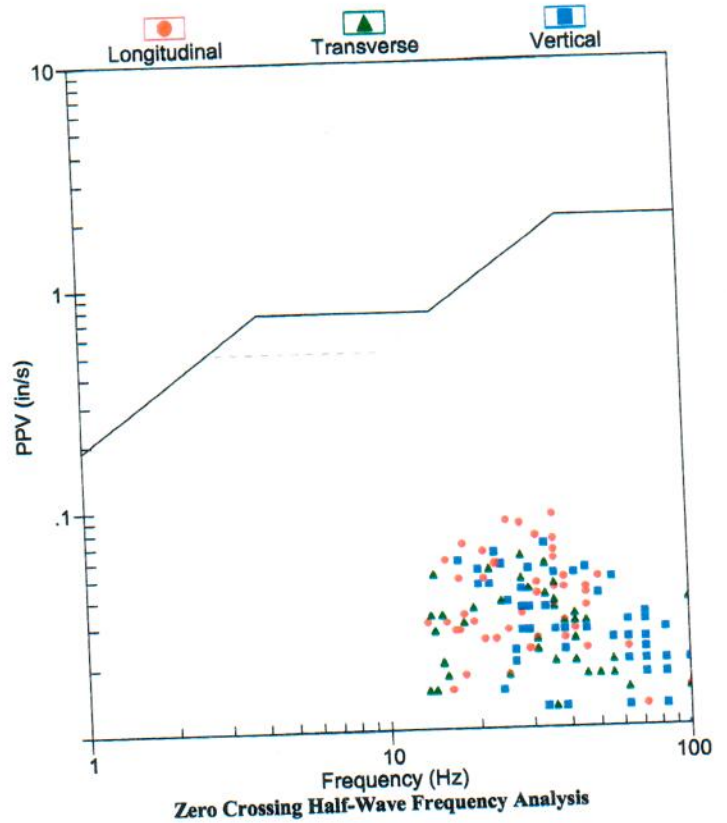
**Shaketable Calibrated:** 02/21/2023  
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

**Velocity Waveform Graph Scale**

**Time Scale:** 0.100 s  
**Seismic Scale:** +/- 0.160 in/s  
**Sound Scale:** +/- 0.0023 PSI

### USBM Safe Blasting Levels

SN: 5720 Event: 63



### Velocity Waveform

SN: 5720 Event: 63

