



# GeoSonics Inc. Seismic Analysis

## Velocity Waveform Analysis

**Serial No:** 11212 v10.27  
**Date:** 03/11/2020 11:01:11 (UTC-4)  
**Event No:** 193  
**Record Time:** 5.0 s  
**Client:** PJ Keating  
**Operation:** Acushnet Quarry  
**Location:** 166 Lawson Ave  
**Distance:**  
**Operator:** GeoSonics GSM  
**Comment:** 18ft E of Shed  
**Seismic Trigger:** 0.050 in/s  
**Sound Trigger:** 125 db

|                    | Summary Data         |       |       |
|--------------------|----------------------|-------|-------|
|                    | L                    | T     | V     |
| PPV (in/s)         | 0.043                | 0.073 | 0.045 |
| FREQ (Hz)          | 27.8                 | 17.2  | 33.3  |
| PD (.001")         | 0.41                 | 0.56  | 0.31  |
| PPA (g)            | 0.026                | 0.026 | 0.026 |
| Peak Vector Sum :  | 0.078 in/s           |       |       |
| Peak Air Pressure: | 120 db               |       |       |
|                    | 0.00317 PSI @ 7.7 Hz |       |       |

### Additional Info:

j-GEO-24006  
 41 40 14, -70 54 04

**Shaketable Calibrated:** 06/30/2019

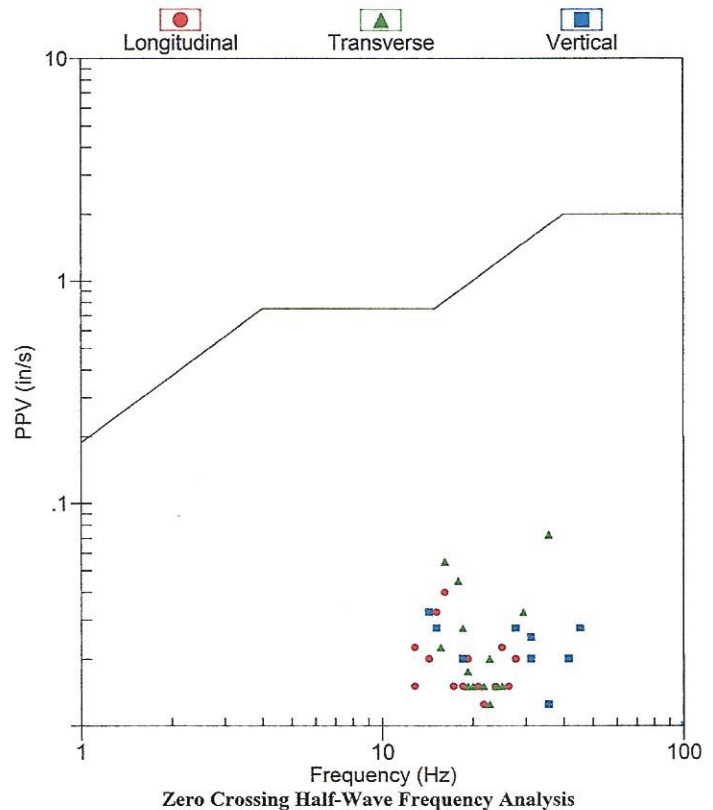
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

### Velocity Waveform Graph Scale

**Time Scale:** 0.100 s  
**Seismic Scale:** +/- 0.160 in/s  
**Sound Scale:** +/- 0.0045 PSI

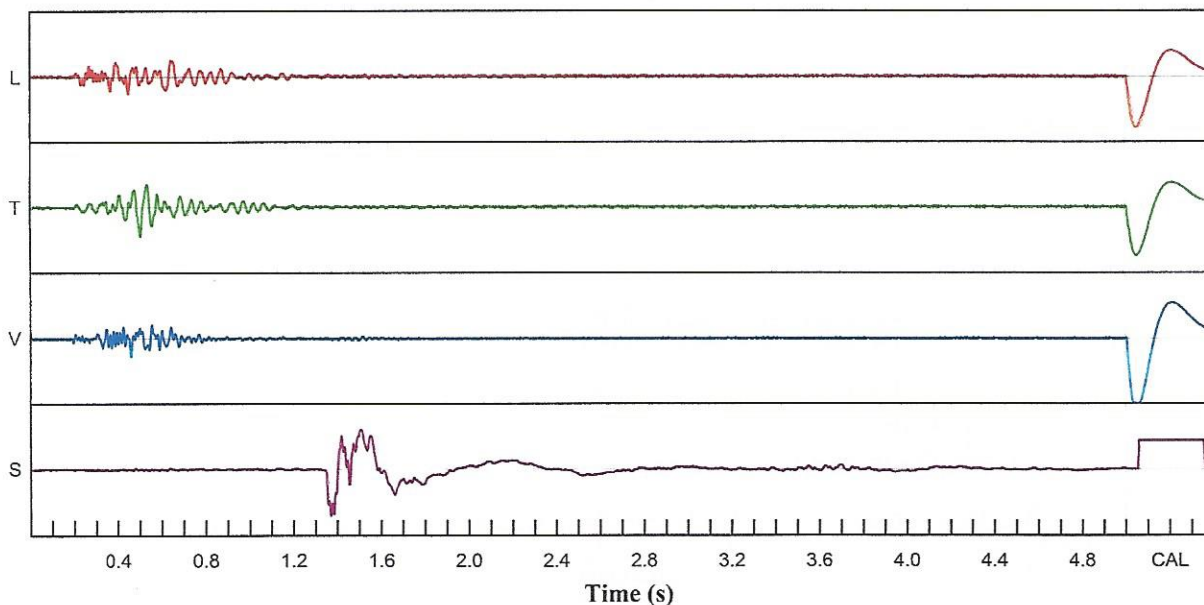
### USBM Safe Blasting Levels

SN: 11212 Event: 193



### Velocity Waveform

SN: 11212 Event: 193





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## Stop Event Report

**Serial No:** 11236 v10.27  
**Client:** PJ Keating  
**Operation:** Acushnet Quarry  
**Location:** NE Property Line  
**Distance:**  
**Operator:** GeoSonics GSM  
**Comment:** Acushnet, MA

**Begin Date:** 03/11/2020 08:03:48 (UTC-4)  
**End Date:** 03/11/2020 11:23:53 (UTC-4)  
**Events over Trigger:** 0 (0-1)  
**Record Time:** 5.0 s  
**Seismic Trigger:** 0.050 in/s  
**Sound Trigger:** 125 db  
**Battery Level:** 8.2

**Additional Info:**  
VIRTUAL CHECK  
j-GEO-18700  
41 40 40, -70 53 40

**Shaketable Calibrated:** 10/30/2019  
**By:** GeoSonics Inc.  
359 Northgate Drive  
Warrendale, PA 15086 U.S.A.  
TEL: 724.934.2900 FAX: 724.934.2999

**Dynamic Calibration Graph:**



**Cal Test Results:**

**Longitudinal:** Pass  
**Transverse:** Pass  
**Vertical:** Pass  
**Sound:** Pass