



# GeoSonics Inc. Seismic Analysis

## Velocity Waveform Analysis

Serial No: 11560 v10.27  
Date: 11/06/2019 13:31:43 (UTC-5)  
Event No: 35  
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)         | 0.048                | 0.063 | 0.025 |
| FREQ (Hz)          | 29.4                 | 22.7  | 35.7  |
| PD (.001")         | 0.32                 | 0.48  | 0.20  |
| PPA (g)            | 0.033                | 0.039 | 0.020 |
| Peak Vector Sum :  | 0.070 in/s           |       |       |
| Peak Air Pressure: | 115 db               |       |       |
|                    | 0.00171 PSI @ 2.6 Hz |       |       |

### Additional Info:

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

Shaketable Calibrated: 07/01/2019

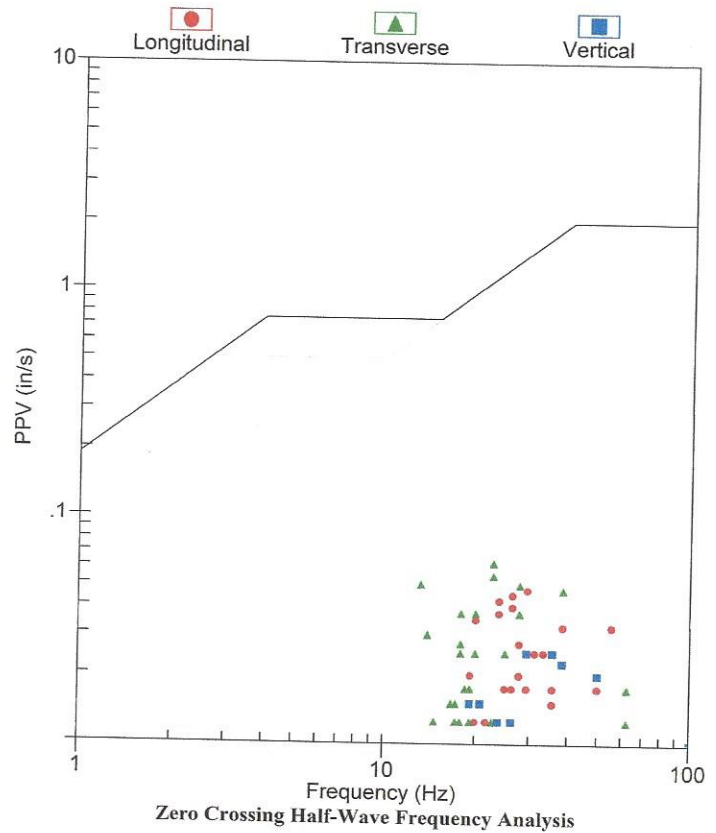
By: GeoSonics Inc.  
359 Northgate Drive  
Warrendale, PA 15086 U.S.A.  
TEL: 724.934.2900 FAX: 724.934.2999

### Velocity Waveform Graph Scale

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

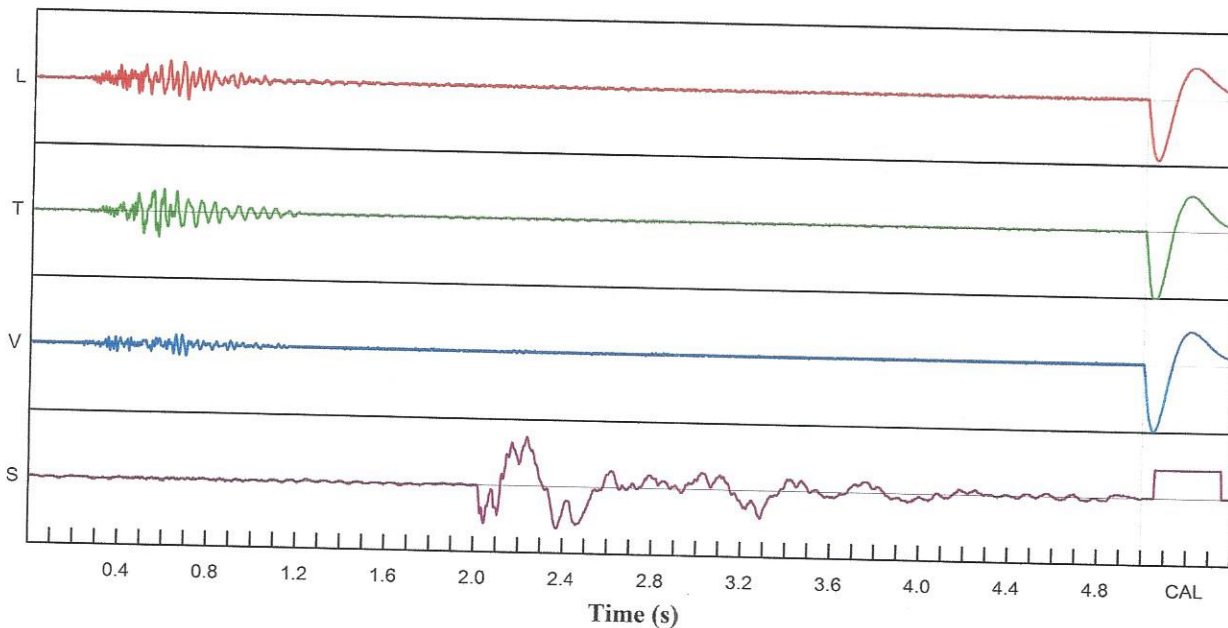
### USBM Safe Blasting Levels

SN: 11560 Event: 35



### Velocity Waveform

SN: 11560 Event: 35





# GeoSonics Inc. Seismic Analysis

## Velocity Waveform Analysis

Serial No: 11213 v10.27  
Date: 11/06/2019 13:31:45 (UTC-5)  
Event No: 23  
Record Time: 5.0 s  
Client: PJ Keating  
Operation: Acushnet Quarry  
Location: NE Property Line  
Distance:  
Operator: GeoSonics GSM  
Comment: Acushnet, MA  
Seismic Trigger: 0.050 in/s  
Sound Trigger: 125 db

### Summary Data

|                    | L                    | T     | V     |
|--------------------|----------------------|-------|-------|
| PPV (in/s)         | 0.138                | 0.163 | 0.118 |
| FREQ (Hz)          | 38.5                 | 100.0 | 71.4  |
| PD (.001")         | 0.47                 | 0.68  | 0.53  |
| PPA (g)            | 0.137                | 0.208 | 0.130 |
| Peak Vector Sum :  | 0.173 in/s           |       |       |
| Peak Air Pressure: | 119 db               |       |       |
|                    | 0.00271 PSI @ 2.8 Hz |       |       |

### Additional Info:

j-GEO-18700  
41 40 40, -70 53 40

Shaketable Calibrated: 01/22/2019

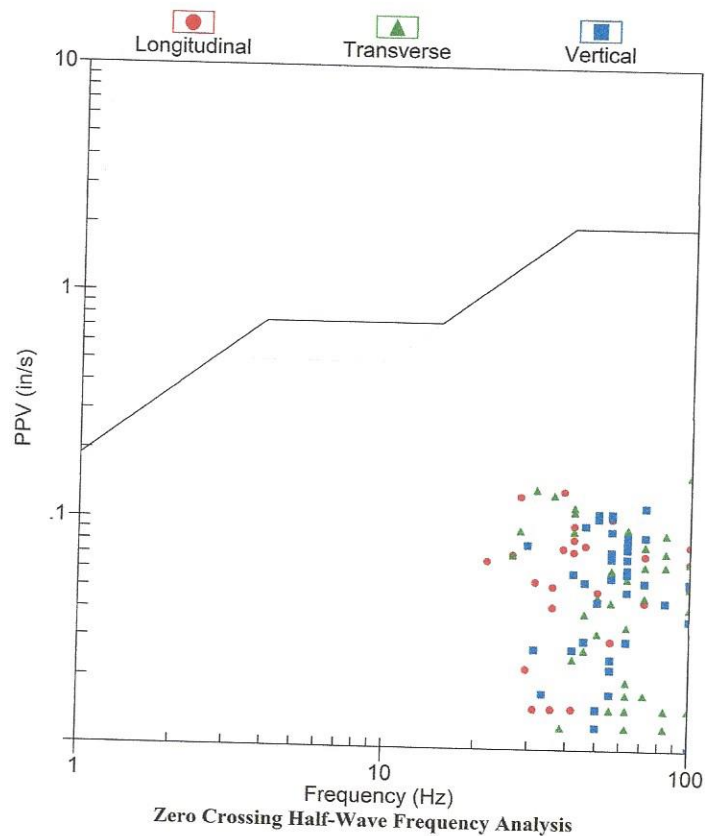
By: GeoSonics Inc.  
359 Northgate Drive  
Warrendale, PA 15086 U.S.A.  
TEL: 724.934.2900 FAX: 724.934.2999

### Velocity Waveform Graph Scale

Time Scale: 0.100 s  
Seismic Scale: +/- 0.320 in/s  
Sound Scale: +/- 0.0045 PSI

### USBM Safe Blasting Levels

SN: 11213 Event: 23



### Velocity Waveform

SN: 11213 Event: 23

