



# GeoSonics Inc. Seismic Analysis

## Velocity Waveform Analysis

**Serial No:** 11103 v6.6  
**Date:** 09/06/2018 11:31:24 (UTC-4)  
**Event No:** 67  
**Record Time:** 5.0 s  
**Client:** PJ Keating  
**Operation:** Acushnet  
**Location:** NE Property Line  
**Distance:**  
**Operator:** GeoSonics/CT  
**Comment:**  
**Seismic Trigger:** 0.050 in/s  
**Sound Trigger:** 120 db

### Summary Data

	L	T	V
PPV (in/s)	0.100	0.125	0.103
FREQ (Hz)	55.6	45.5	62.5
PD (.001")	0.71	0.56	0.51
PPA (g)	0.117	0.111	0.098
Peak Vector Sum :	0.160 in/s		
Peak Air Pressure:	123 db		
	0.00413 PSI @ 9.1 Hz		

### Additional Info:

j-GEO-18700  
 N41 40 40 W70 53 37

Shaketable Calibrated: 03/09/2018

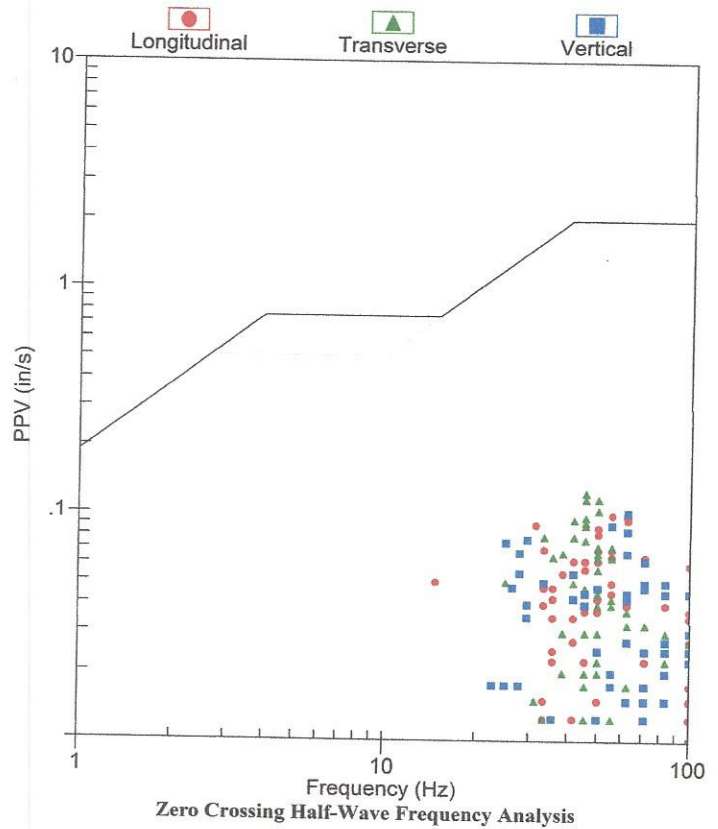
By: GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

### Velocity Waveform Graph Scale

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

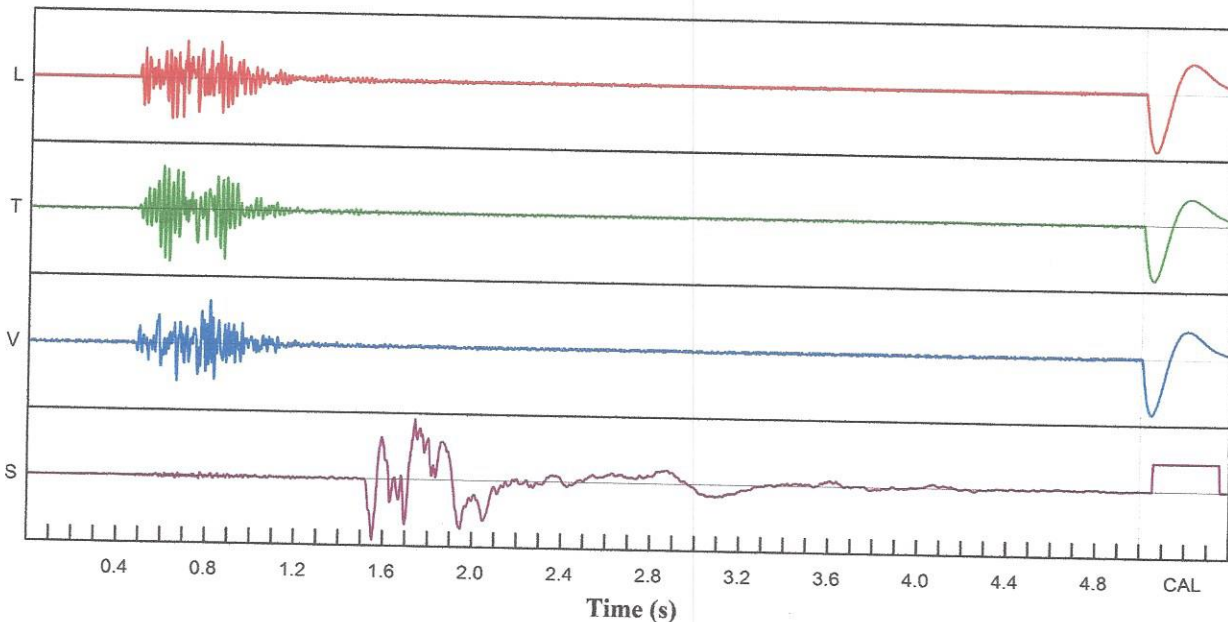
### USBM Safe Blasting Levels

SN: 11103 Event: 67



### Velocity Waveform

SN: 11103 Event: 67





# GeoSonics Inc. Seismic Analysis

## Velocity Waveform Analysis

**Serial No:** 11137 v6.6  
**Date:** 09/06/2018 11:31:28 (UTC-4)  
**Event No:** 34  
**Record Time:** 5.0 s  
**Client:** PJ Keating  
**Operation:** Acushnet  
**Location:** 166 Lawson Ave  
**Distance:**  
**Operator:** GeoSonics/CT  
**Comment:** 18ft E of shed  
**Seismic Trigger:** 0.050 in/s  
**Sound Trigger:** 120 db

### Summary Data

	L	T	V
PPV (in/s)	0.083	0.090	0.100
FREQ (Hz)	25.0	17.9	41.7
PD (.001")	0.48	0.68	0.45
PPA (g)	0.078	0.065	0.085
Peak Vector Sum :	0.123 in/s		
Peak Air Pressure:	111 db		
	0.00121 PSI @ 1.9 Hz		

### Additional Info:

j-GEO-24006  
 N41.67061, W70.90100

Shaketable Calibrated: 03/13/2018

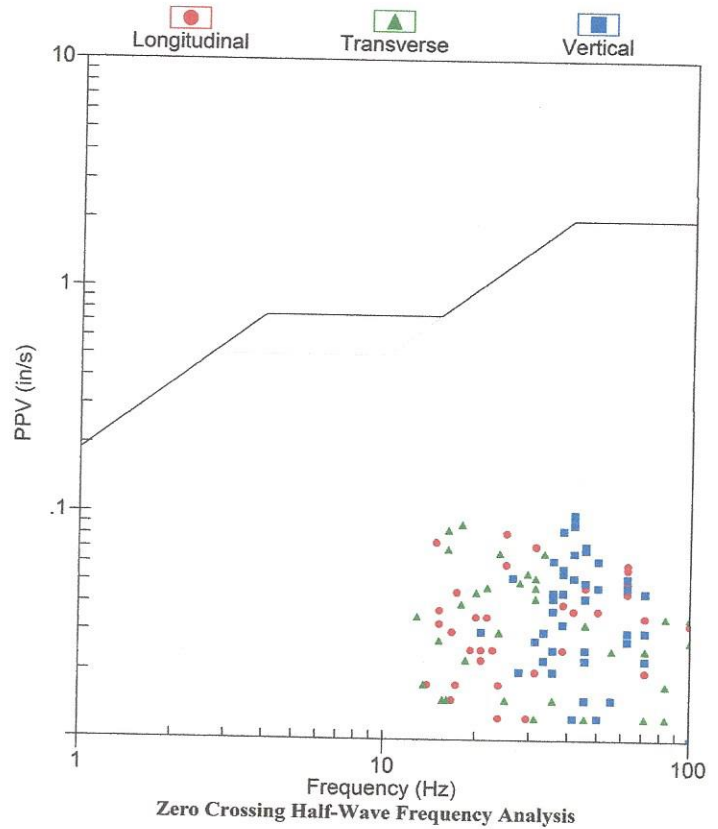
By: GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

### Velocity Waveform Graph Scale

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

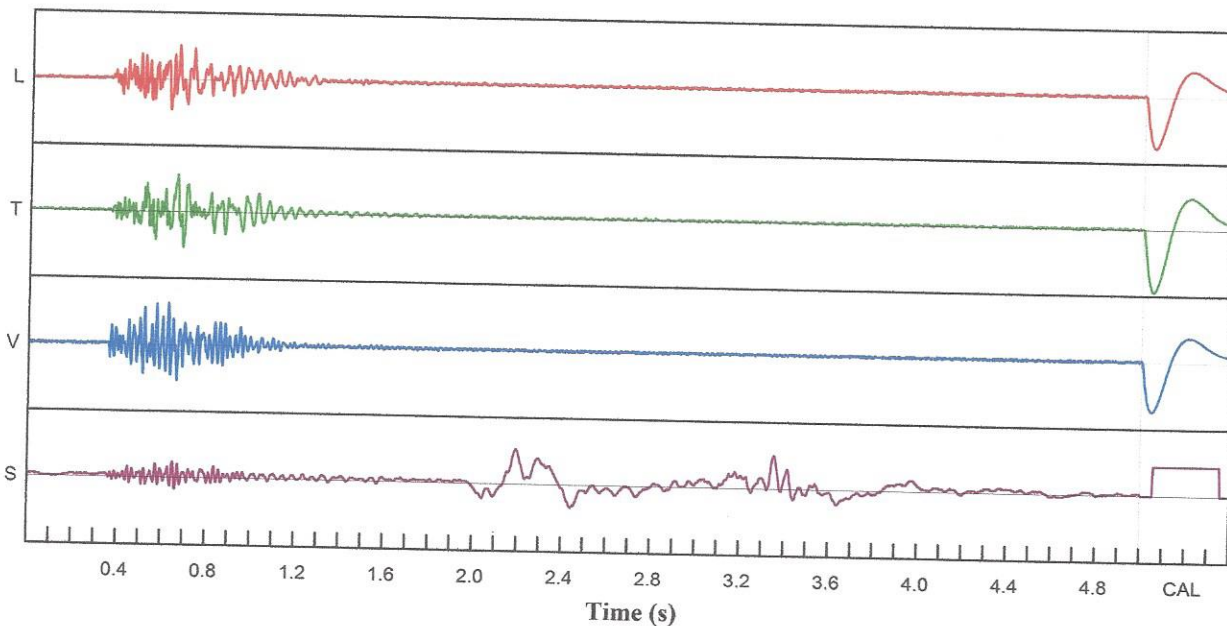
### USBM Safe Blasting Levels

SN: 11137 Event: 34



### Velocity Waveform

SN: 11137 Event: 34



**Serial No:** 11137 v6.6  
**Date:** 09/13/2018 15:09:55 (UTC-4)  
**Event No:** 35  
**Record Time:** 5.0 s  
**Client:** PJ Keating  
**Operation:** Acushnet  
**Location:** 166 Lawson Ave  
**Distance:**  
**Operator:** GeoSonics/CT  
**Comment:** 18ft E of shed  
**Seismic Trigger:** 0.050 in/s  
**Sound Trigger:** 120 db

### Summary Data

	L	T	V
PPV (in/s)	0.075	0.060	0.045
FREQ (Hz)	26.3	20.0	41.7
PD (.001")	0.49	0.40	0.25
PPA (g)	0.039	0.033	0.046
Peak Vector Sum :	0.083 in/s		
Peak Air Pressure:	114 db		
	0.00160 PSI @ 21.7 Hz		

### Additional Info:

j-GEO-24006  
 N41.67061, W70.90100

Shaketable Calibrated: 03/13/2018

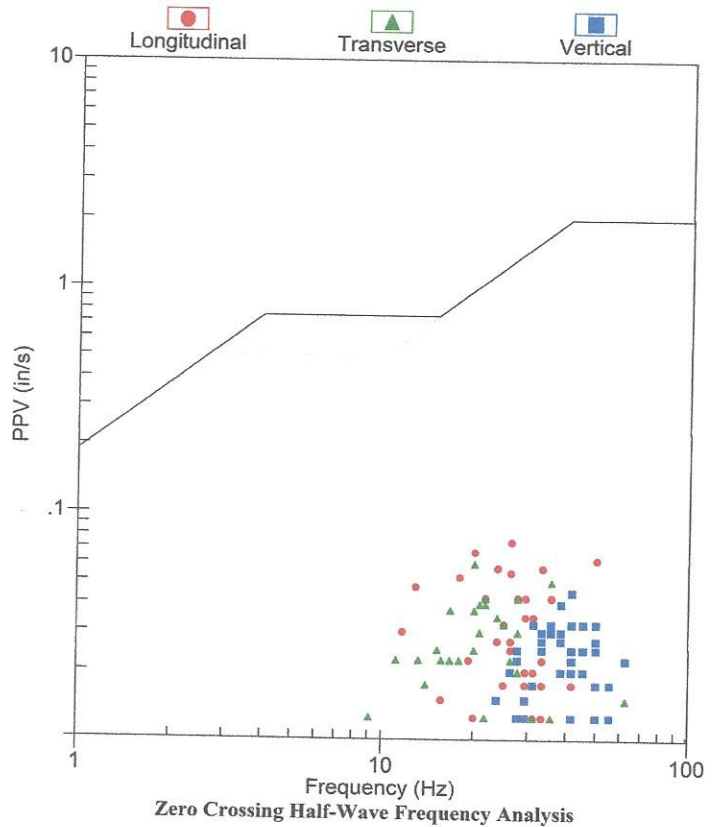
By: GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

### Velocity Waveform Graph Scale

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

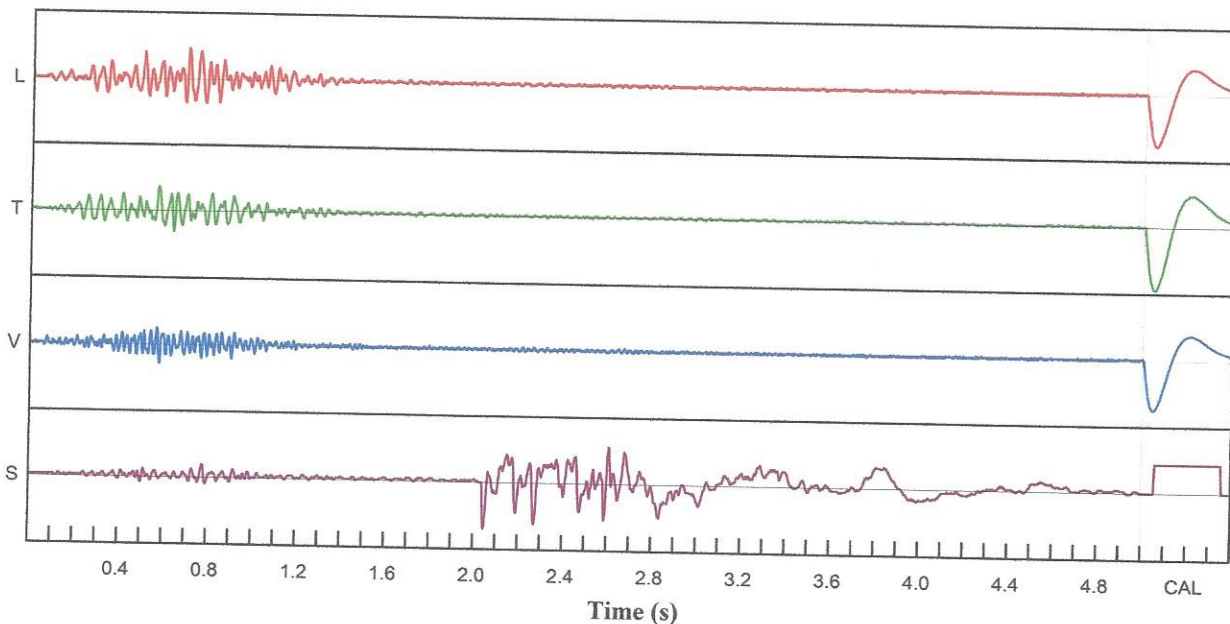
### USBM Safe Blasting Levels

SN: 11137 Event: 35



### Velocity Waveform

SN: 11137 Event: 35



**Serial No:** 11103 v6.6  
**Date:** 09/13/2018 15:09:53 (UTC-4)  
**Event No:** 68  
**Record Time:** 5.0 s  
**Client:** PJ Keating  
**Operation:** Acushnet  
**Location:** NE Property Line  
**Distance:**  
**Operator:** GeoSonics/CT  
**Comment:**  
**Seismic Trigger:** 0.050 in/s  
**Sound Trigger:** 120 db

**Summary Data**

	L	T	V
PPV (in/s)	0.840	0.785	0.793
FREQ (Hz)	38.5	55.6	31.3
PD (.001")	2.92	3.17	4.10
PPA (g)	0.866	1.146	0.885
Peak Vector Sum :	1.158 in/s		
Peak Air Pressure:	120 db		
	0.00303 PSI @ 1.4 Hz		

**Additional Info:**

j-GEO-18700  
 N41 40 40 W70 53 37

**Shaketable Calibrated:** 03/09/2018

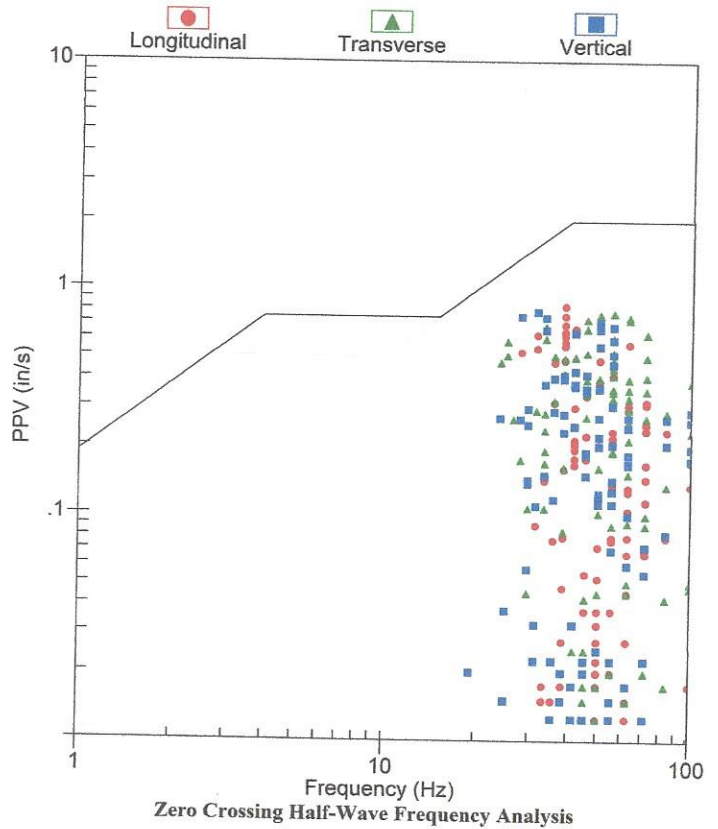
**By:** GeoSonics Inc.  
 359 Northgate Drive  
 Warrendale, PA 15086 U.S.A.  
 TEL: 724.934.2900 FAX: 724.934.2999

**Velocity Waveform Graph Scale**

**Time Scale:** 0.100 s  
**Seismic Scale:** +/- 1.280 in/s  
**Sound Scale:** +/- 0.0045 PSI

### USBM Safe Blasting Levels

SN: 11103 Event: 68



### Velocity Waveform

SN: 11103 Event: 68

