

# Seismic Analysis

## Velocity Waveform Analysis

**Serial Number:** 10636  
**Firmware Version:** 0C-06.05  
**Event Date:** 11/01/2017 11:38:26 (UTC -07:00)  
**Event number:** 366  
**Recording Time:** 5 s  
**Client:** COUNTY OF MARIN  
**Operation:** SAN RAFAEL ROCK QUARRY  
**Location:** ON QUARRY PROPERTY  
**Distance:**  
**Operator:** VIBRA-TECH IP2  
**Comment:**  
**Seismic Trigger:** 0.03 in/s  
**Sound Trigger:** OFF

**Additional Info:**

j-GEO-01253  
 N37 59.481, W122 27.256

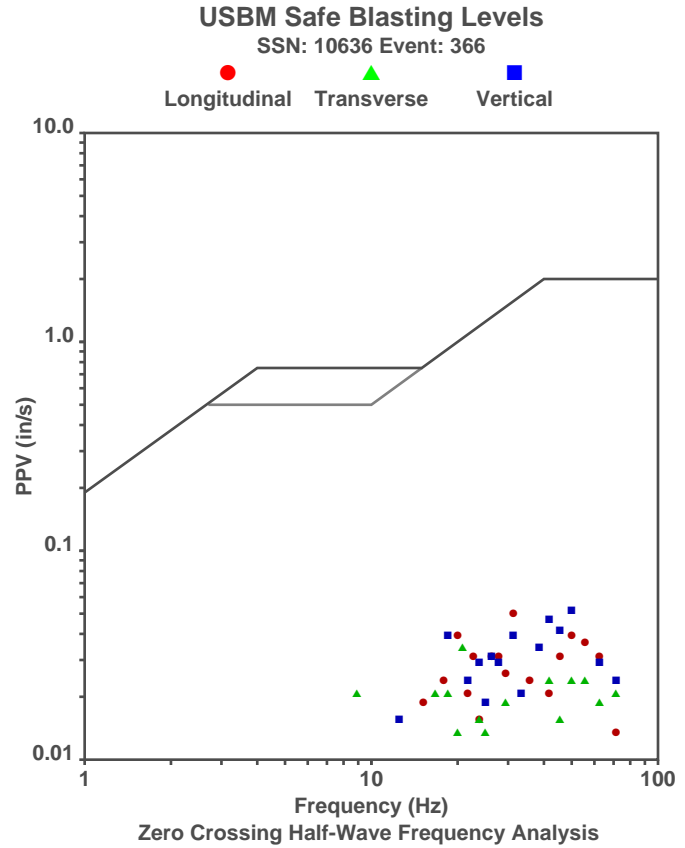
**Summary Data**

	L	T	V
<b>PPV (in/s):</b>	0.048	0.033	0.05
<b>FREQ (HZ):</b>	27.8	20	45.5
<b>PD (.001''):</b>	0.41	0.33	0.25
<b>PPA (g):</b>	0.033	0.026	0.039

**Peak Vector Sum:** 0.06 in/s  
**Peak Air Pressure:** 113 dB  
 0.0013 psi @ 1.8 HZ

**Shaketable Calibrated**

**On:** 12/06/2016 (UTC -07:00)  
**By:** Vibra-Tech, Inc.  
 2700 Holloway Road - Suite 113  
 Louisville, KY 40203 U.S.A.

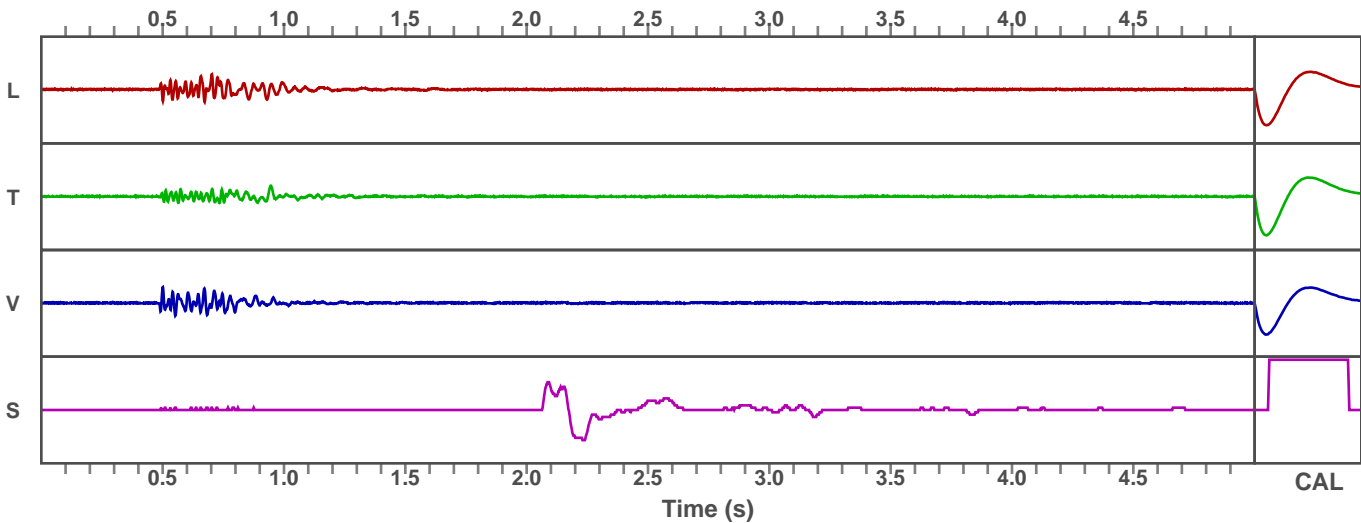


**Waveform Graph Scale**

**Time Scale:** 0.1 s  
**Seismic Scale:** +/- 0.16 in/s  
**Sound Scale:** +/- 0.0023 psi

### Velocity Waveform

SSN: 10636 Event: 366



# Seismic Analysis

## Velocity Waveform Analysis

**Serial Number:** 10640  
**Firmware Version:** 0C-06.05  
**Event Date:** 11/01/2017 11:38:27 (UTC -07:00)  
**Event number:** 19  
**Recording Time:** 5 s  
**Client:** COUNTY OF MARIN  
**Operation:** SAN RAFAEL ROCK QUARRY  
**Location:** 16 MARIN BAY PARK CT.  
**Distance:**  
**Operator:** VIBRA-TECH IP2  
**Comment:** WILLIAM HOSKEN RES.  
**Seismic Trigger:** 0.03 in/s  
**Sound Trigger:** OFF

**Additional Info:**

j-GEO-01252  
 N37 59.524, W122 27.373

**Summary Data**

	L	T	V
<b>PPV (in/s):</b>	0.043	0.03	0.03
<b>FREQ (HZ):</b>	22.7	21.7	23.8
<b>PD (.001"):</b>	0.34	0.26	0.19
<b>PPA (g):</b>	0.02	0.02	0.026

**Peak Vector Sum:** 0.043 in/s  
**Peak Air Pressure:** 113 dB  
 0.0013 psi @ 1.6 HZ

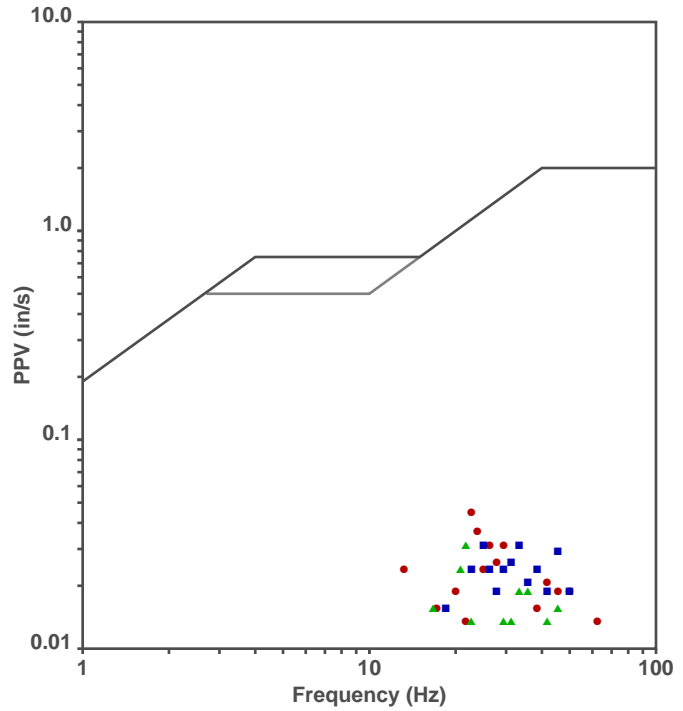
**Shaketable Calibrated**

**On:** 12/06/2016 (UTC -07:00)  
**By:** Vibra-Tech, Inc.  
 2700 Holloway Road - Suite 113  
 Louisville, KY 40203 U.S.A.

**USBM Safe Blasting Levels**

SSN: 10640 Event: 19

● Longitudinal    ▲ Transverse    ■ Vertical



**Waveform Graph Scale**

**Time Scale:** 0.1 s  
**Seismic Scale:** +/- 0.16 in/s  
**Sound Scale:** +/- 0.0023 psi

### Velocity Waveform

SSN: 10640 Event: 19

