

# Seismic Analysis

## Velocity Waveform Analysis

**Serial Number:** 9668  
**Firmware Version:** 0C-05.18  
**Event Date:** 09/03/2014 11:34:24 (UTC -07:00)  
**Event number:** 9  
**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>	0.03	0.015	0.0275
<b>FREQ (HZ):</b>	23.8	26.3	33.3
<b>PD (.001"):</b>	0.2225	0.1225	0.1425
<b>PPA (g):</b>	0.01953	0.01302	0.02604

**Peak Vector Sum:** 0.035 in/s  
**Peak Air Pressure:** 105.2 dB  
 0.000606 psi @ 2.4 HZ

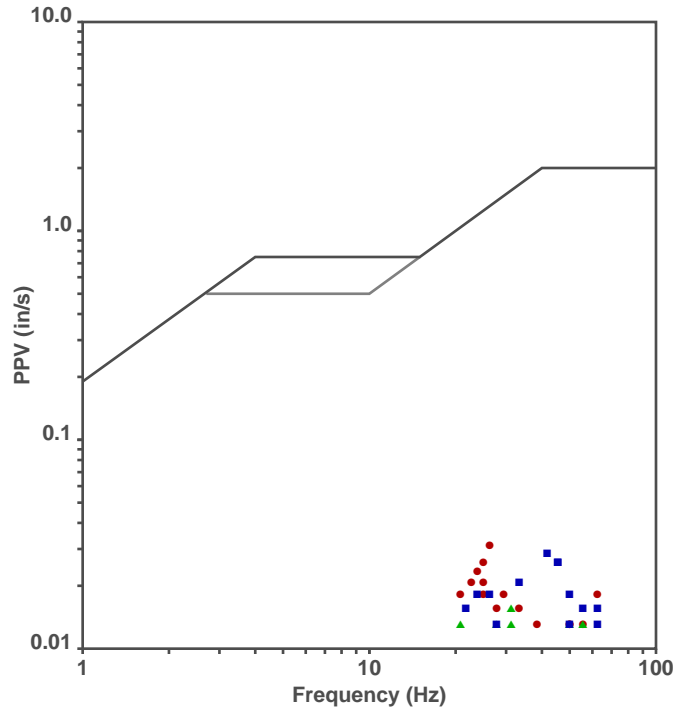
**Shaketable Calibrated**

**On:** 01/29/2014 (UTC -07:00)  
**By:** Vibra-Tech, Inc.  
 2700 Holloway Road - Suite 113  
 Louisville, KY 40203 U.S.A.

**USBM Safe Blasting Levels**

SSN: 9668 Event: 9

● Longitudinal    ▲ Transverse    ■ Vertical



Zero Crossing Half-Wave Frequency Analysis

**Waveform Graph Scale**

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

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