

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

Serial No:	8154 v5.11	Begin Date:	10/17/2014 07:01:03 (UTC-7)
Client:	COUNTY OF MARIN	End Date:	10/17/2014 20:00:00 (UTC-7)
Operation:	SAN RAFAEL ROCK QUARRY	Events over Trigger:	0 (115-114)
Location:	16 MARIN BAY PARK CT.	Record Time:	5.0 s
Distance:		Seismic Trigger:	0.030 in/s
Operator:	VIBRA-TECH IP2	Sound Trigger:	N/A
Comment:	WILLIAM HOSKEN RES.	Battery Level:	8.3

Additional Info:

j-GEO-01252
N37 59.524, W122 27.373

Shaketable Calibrated: 01/23/2014
By: Vibra-Tech, Inc.
2700 Holloway Road - Suite 113
Louisville, KY 40299 U.S.A.
TEL: 502.240.9900 FAX: 502.240.9902

Dynamic Calibration Graph:



Cal Test Results:

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

The seismograph located at 16 Marin Bay Park Court (S/N 8154) did not trigger during the shot on October 17, 2014 at approximately 11:44 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Seismic Analysis

Velocity Waveform Analysis

Serial Number: 9668
Firmware Version: 0C-05.18
Event Date: 10/17/2014 11:44:25 (UTC -07:00)
Event number: 14
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

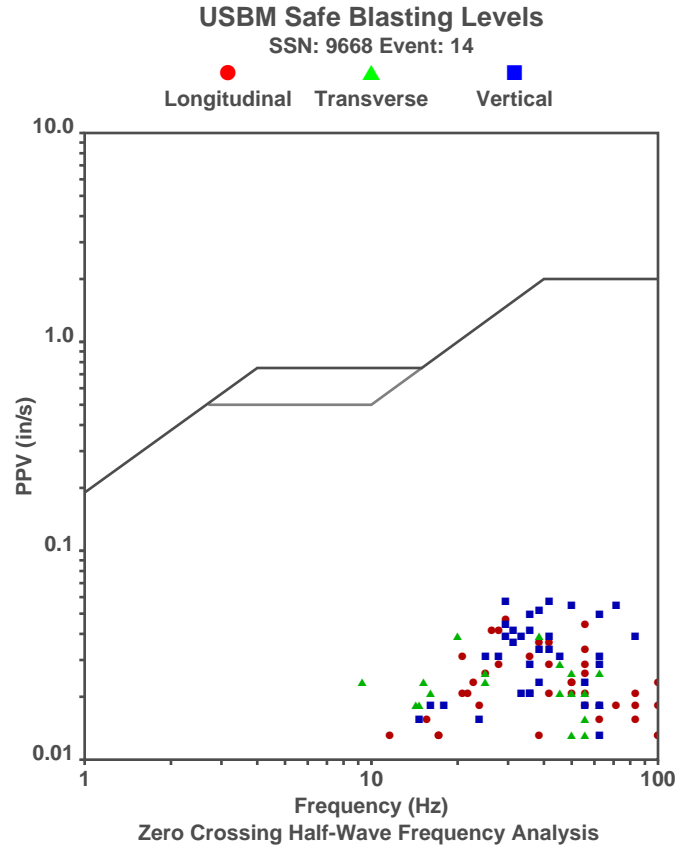
Summary Data

	L	T	V
PPV (in/s):	0.045	0.0375	0.055
FREQ (HZ):	29.4	20	41.7
PD (.001"):	0.2825	0.3025	0.3825
PPA (g):	0.03906	0.02604	0.0651

Peak Vector Sum: 0.065 in/s
Peak Air Pressure: 106.4 dB
 0.0006772 psi @ 5.6 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.



Waveform Graph Scale

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

Velocity Waveform

SSN: 9668 Event: 14

