

Seismic Analysis

Velocity Waveform Analysis

Serial Number: 9583
Firmware Version: 0C-06.05
Event Date: 05/31/2018 11:37:38 (UTC -07:00)
Event number: 7
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

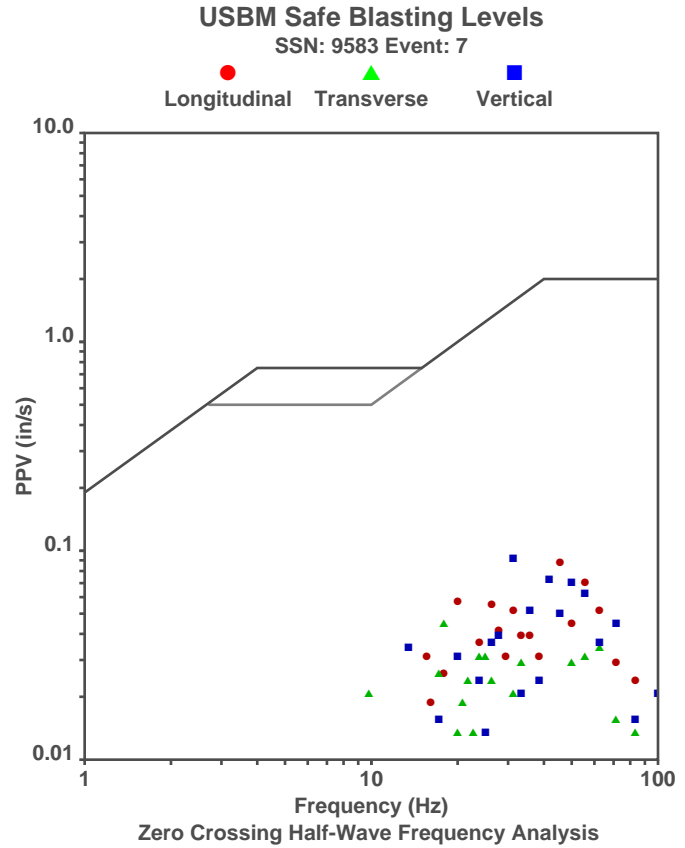
Summary Data

	L	T	V
PPV (in/s):	0.085	0.043	0.088
FREQ (HZ):	45.5	17.9	31.3
PD (.001'')	0.51	0.37	0.4
PPA (g):	0.059	0.033	0.059

Peak Vector Sum: 0.105 in/s
Peak Air Pressure: 110 dB
 0.0009 psi @ 4.1 HZ

Shaketable Calibrated

On: 11/30/2017 (UTC -07:00)
By: Vibra-Tech, Inc.
 2700 Holloway Road - Suite 113
 Louisville, KY 40203 U.S.A.

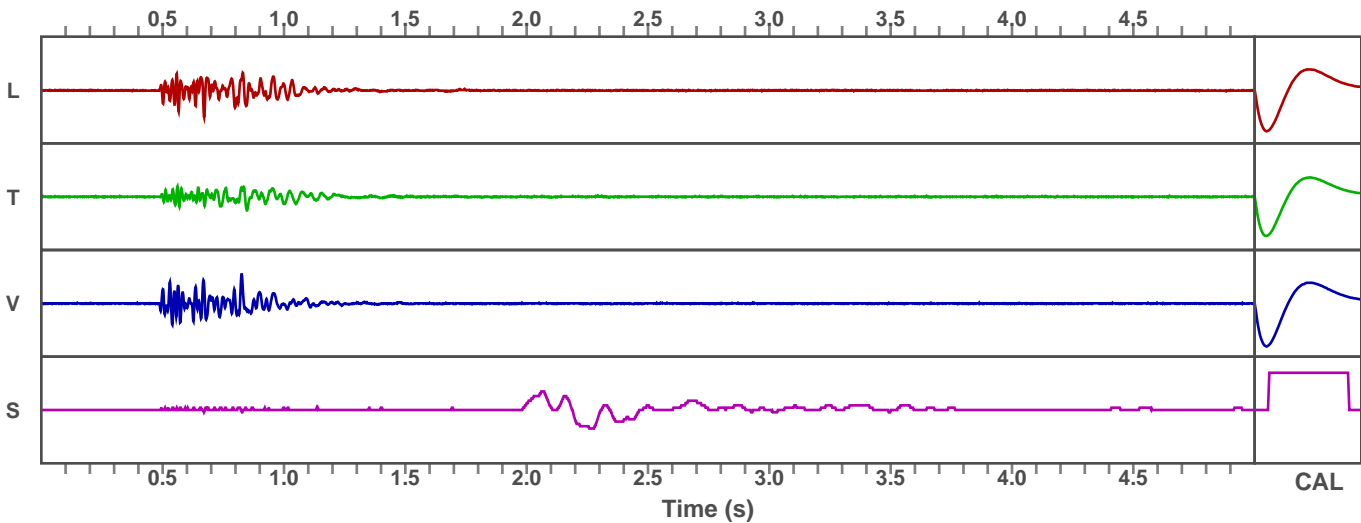


Waveform Graph Scale

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

Velocity Waveform

SSN: 9583 Event: 7



Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

Serial No: 10635 v6.5
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: 16 MARIN BAY PARK CT.
Distance:
Operator: VIBRA-TECH IP2
Comment: WILLIAM HOSKEN RES.

Begin Date: 05/31/2018 07:01:49 (UTC-7)
End Date: 05/31/2018 13:19:51 (UTC-7)
Events over Trigger: 0 (0--1)
Record Time: 5.0 s
Seismic Trigger: 0.030 in/s
Sound Trigger: N/A
Battery Level: 8.5

Additional Info:
VIRTUAL CHECK
j-GEO-01252
N37 59.524, W122 27.373

Shaketable Calibrated: 12/01/2017
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 10635) did not trigger during the shot on May 31, 2018 at approximately 11:37 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.