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**

<table>
<thead>
<tr>
<th></th>
<th>L</th>
<th>T</th>
<th>V</th>
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</thead>
<tbody>
<tr>
<td>PPV (in/s):</td>
<td>0.03</td>
<td>0.015</td>
<td>0.0275</td>
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<tr>
<td>FREQ (HZ):</td>
<td>23.8</td>
<td>26.3</td>
<td>33.3</td>
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<tr>
<td>PD (.001'')</td>
<td>0.2225</td>
<td>0.1225</td>
<td>0.1425</td>
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<tr>
<td>PPA (g):</td>
<td>0.01953</td>
<td>0.01302</td>
<td>0.02604</td>
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<td>Peak Vector Sum:</td>
<td></td>
<td>0.035 in/s</td>
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</tr>
<tr>
<td>Peak Air Pressure:</td>
<td>105.2 dB</td>
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<td></td>
</tr>
</tbody>
</table>

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: 9

**USBM Safe Blasting Levels**

SSN: 9668 Event: 9

- Longitudinal
- Transverse
- Vertical

Zero Crossing Half-Wave Frequency Analysis

Shaketable Calibrated  
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