

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

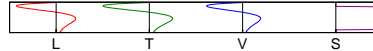
Serial No: 10529 v6.13
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: 16 MARIN BAY PARK CT.
Distance:
Operator: VIBRA-TECH IP2
Comment: WILLIAM HOSKEN RES.

Begin Date: 03/04/2020 07:03:51 (UTC-8)
End Date: 03/04/2020 12:27:51 (UTC-8)
Events over Trigger: 0 (0--1)
Record Time: 5.0 s
Seismic Trigger: 0.030 in/s
Sound Trigger: N/A
Battery Level: 8.3

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

Shaketable Calibrated: 10/23/2019
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 10529) did not trigger during the shot on March 4, 2020 at approximately 11:30 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

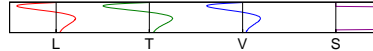
Serial No: 10529 v6.13
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: 16 MARIN BAY PARK CT.
Distance:
Operator: VIBRA-TECH IP2
Comment: WILLIAM HOSKEN RES.

Begin Date: 05/01/2020 07:03:49 (UTC-7)
End Date: 05/01/2020 12:24:54 (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: 8.3

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

Shaketable Calibrated: 10/23/2019
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 10529) did not trigger during the shot on May 1, 2020 at approximately 11:30 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

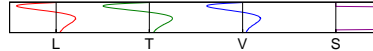
Serial No: 10529 v6.13
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: 16 MARIN BAY PARK CT.
Distance:
Operator: VIBRA-TECH IP2
Comment: WILLIAM HOSKEN RES.

Begin Date: 05/21/2020 07:03:49 (UTC-7)
End Date: 05/21/2020 12:27:46 (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: 8.3

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

Shaketable Calibrated: 10/23/2019
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 10529) did not trigger during the shot on May 21, 2020 at approximately 11:32 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

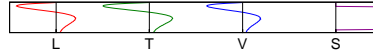
Serial No: 10529 v6.13
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: 16 MARIN BAY PARK CT.
Distance:
Operator: VIBRA-TECH IP2
Comment: WILLIAM HOSKEN RES.

Begin Date: 06/02/2020 07:03:47 (UTC-7)
End Date: 06/02/2020 12:27:53 (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: 8.3

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

Shaketable Calibrated: 10/23/2019
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 10529) did not trigger during the shot on June 2, 2020 at approximately 11:30 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

Serial No: 10529 v6.13
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: 16 MARIN BAY PARK CT.
Distance:
Operator: VIBRA-TECH IP2
Comment: WILLIAM HOSKEN RES.

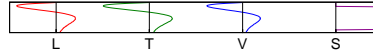
Begin Date: 06/22/2020 07:01:08 (UTC-7)
End Date: 06/22/2020 20:00:00 (UTC-7)
Events over Trigger: 0 (4-3)
Record Time: 5.0 s
Seismic Trigger: 0.030 in/s
Sound Trigger: N/A
Battery Level: 8.3

Additional Info:

j-GEO-01252
N37 59.524, W122 27.373

Shaketable Calibrated: 10/23/2019
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 10529) did not trigger during the shot on June 22, 2020 at approximately 11:32 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

Serial No: 10529 v6.13
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: 16 MARIN BAY PARK CT.
Distance:
Operator: VIBRA-TECH IP2
Comment: WILLIAM HOSKEN RES.

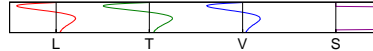
Begin Date: 06/30/2020 07:00:53 (UTC-7)
End Date: 06/30/2020 12:57:09 (UTC-7)
Events over Trigger: 0 (4-3)
Record Time: 5.0 s
Seismic Trigger: 0.030 in/s
Sound Trigger: N/A
Battery Level: 8.2

Additional Info:

j-GEO-01252
N37 59.524, W122 27.373

Shaketable Calibrated: 10/23/2019
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 10529) did not trigger during the shot on June 30, 2020 at approximately 12:22 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

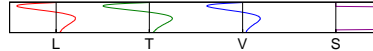
Serial No: 10529 v6.13
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: 16 MARIN BAY PARK CT.
Distance:
Operator: VIBRA-TECH IP2
Comment: WILLIAM HOSKEN RES.

Begin Date: 07/21/2020 07:03:49 (UTC-7)
End Date: 07/21/2020 11:58:51 (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: 8.3

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

Shaketable Calibrated: 10/23/2019
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 10529) did not trigger during the shot on July 21, 2020 at approximately 11:30 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

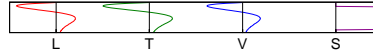
Serial No: 10529 v6.13
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: 16 MARIN BAY PARK CT.
Distance:
Operator: VIBRA-TECH IP2
Comment: WILLIAM HOSKEN RES.

Begin Date: 07/28/2020 07:03:47 (UTC-7)
End Date: 07/28/2020 12:54:55 (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: 8.3

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

Shaketable Calibrated: 10/23/2019
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 10529) did not trigger during the shot on July 28, 2020 at approximately 11:30 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

Serial No:	10529 v6.13	Begin Date:	09/24/2020 07:00:52 (UTC-7)
Client:	COUNTY OF MARIN	End Date:	09/24/2020 20:00:00 (UTC-7)
Operation:	SAN RAFAEL ROCK QUARRY	Events over Trigger:	0 (4-3)
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: 10/23/2019
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 10529) did not trigger during the shot on September 24, 2020, at approximately 11:30 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

Serial No: 11133 v6.14
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: 16 MARIN BAY PARK CT.
Distance:
Operator: VIBRA-TECH IP2
Comment: WILLIAM HOSKEN RES.

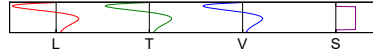
Begin Date: 10/26/2020 07:00:50 (UTC-7)
End Date: 10/26/2020 20:00:00 (UTC-7)
Events over Trigger: 0 (2-1)
Record Time: 5.0 s
Seismic Trigger: 0.030 in/s
Sound Trigger: N/A
Battery Level: 8.3

Additional Info:

j-GEO-34724
N37 59.524, W122 27.373

Shaketable Calibrated: 09/10/2020
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 11133) did not trigger during the shot on October 26, 2020 at approximately 14:15 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Seismic Analysis

Velocity Waveform Analysis

Serial Number: 11133
Firmware Version: 0C-06.14
Event Date: 10/28/2020 11:31:42 (UTC -07:00)
Event number: 2
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-34724
 N37 59.524, W122 27.373

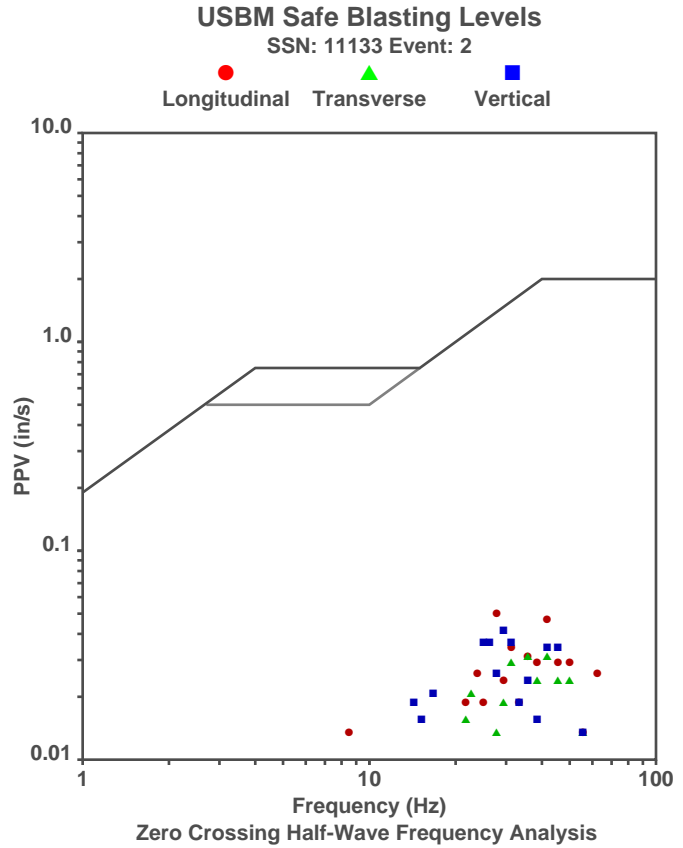
Summary Data

	L	T	V
PPV (in/s):	0.048	0.03	0.04
FREQ (HZ):	26.3	31.3	27.8
PD (.001'')	0.28	0.25	0.24
PPA (g):	0.033	0.026	0.033

Peak Vector Sum: 0.058 in/s
Peak Air Pressure: 108 dB
 0.0007 psi @ 2.7 HZ

Shaketable Calibrated

On: 09/10/2020 (UTC -07:00)
By: Vibra-Tech, Inc.
 2700 Holloway Road - Suite 113
 Louisville, KY 40203 U.S.A.

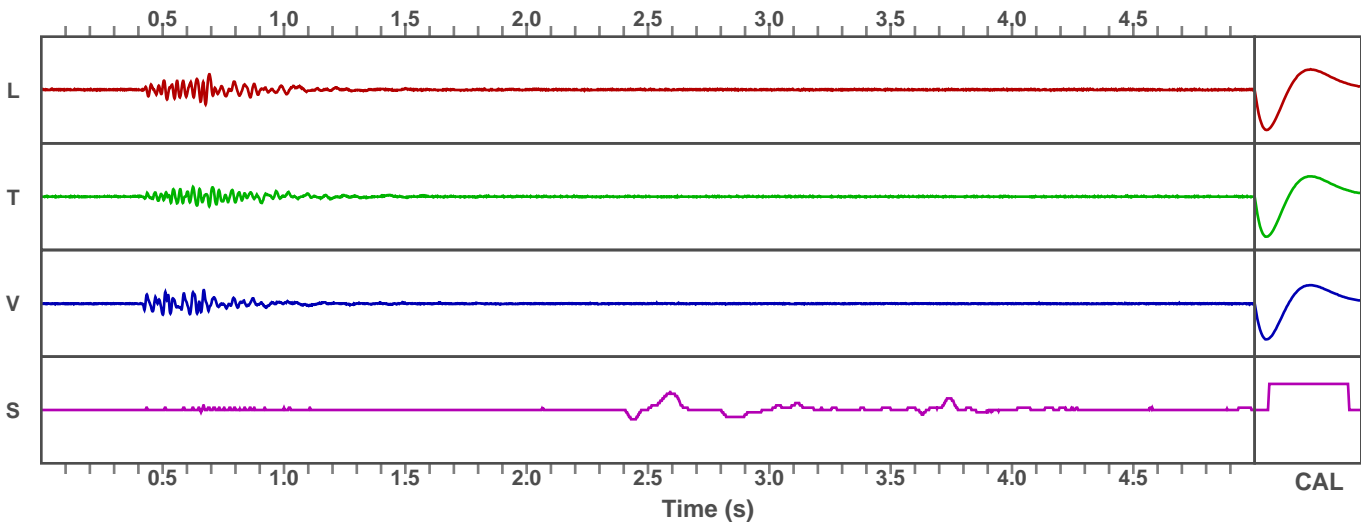


Waveform Graph Scale

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

Velocity Waveform

SSN: 11133 Event: 2



Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

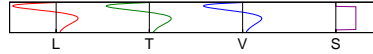
Serial No: 11281 v10.27
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: ON QUARRY PROPERTY
Distance:
Operator: VIBRA-TECH IP2
Comment:

Begin Date: 03/04/2020 06:03:45 (UTC-8)
End Date: 03/04/2020 12:28:55 (UTC-8)
Events over Trigger: 0 (0--1)
Record Time: 5.0 s
Seismic Trigger: 0.030 in/s
Sound Trigger: N/A
Battery Level: 8.2

Additional Info:
VIRTUAL CHECK
j-GEO-01253
N37 59.481, W122 27.256

Shaketable Calibrated: 10/23/2019
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 on Quarry Property (S/N 11281) did not trigger during the shot on March 4, 2020 at approximately 11:30 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

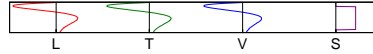
Serial No: 11281 v10.27
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: ON QUARRY PROPERTY
Distance:
Operator: VIBRA-TECH IP2
Comment:

Begin Date: 05/01/2020 06:03:44 (UTC-7)
End Date: 05/01/2020 11:58:56 (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: 8.6

Additional Info:
VIRTUAL CHECK
j-GEO-01253
N37 59.481, W122 27.256

Shaketable Calibrated: 10/23/2019
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 on Quarry Property (S/N 11281) did not trigger during the shot on May 1, 2020 at approximately 11:30 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

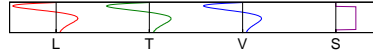
Serial No: 11281 v10.27
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: ON QUARRY PROPERTY
Distance:
Operator: VIBRA-TECH IP2
Comment:

Begin Date: 05/21/2020 06:03:49 (UTC-7)
End Date: 05/21/2020 12:30:49 (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: 7.9

Additional Info:
VIRTUAL CHECK
j-GEO-01253
N37 59.481, W122 27.256

Shaketable Calibrated: 10/23/2019
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 on Quarry Property (S/N 11281) did not trigger during the shot on May 21, 2020 at approximately 11:32 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

Serial No: 11281 v10.27
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: ON QUARRY PROPERTY
Distance:
Operator: VIBRA-TECH IP2
Comment:

Begin Date: 06/02/2020 06:03:45 (UTC-7)
End Date: 06/02/2020 12:27:54 (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: 8.1

Additional Info:
VIRTUAL CHECK
j-GEO-01253
N37 59.481, W122 27.256

Shaketable Calibrated: 10/23/2019
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 on Quarry Property (S/N 11281) did not trigger during the shot on June 2, 2020 at approximately 11:30 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

Serial No: 11281 v10.27
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: ON QUARRY PROPERTY
Distance:
Operator: VIBRA-TECH IP2
Comment:

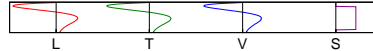
Begin Date: 06/22/2020 06:00:54 (UTC-7)
End Date: 06/22/2020 20:00:00 (UTC-7)
Events over Trigger: 0 (6-5)
Record Time: 5.0 s
Seismic Trigger: 0.030 in/s
Sound Trigger: N/A
Battery Level: 8.1

Additional Info:

j-GEO-01253
N37 59.481, W122 27.256

Shaketable Calibrated: 10/23/2019
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 on Quarry Property (S/N 11281) did not trigger during the shot on June 22, 2020 at approximately 11:32 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

Serial No: 11281 v10.27
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: ON QUARRY PROPERTY
Distance:
Operator: VIBRA-TECH IP2
Comment:

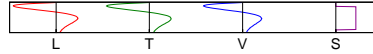
Begin Date: 06/30/2020 06:00:55 (UTC-7)
End Date: 06/30/2020 12:56:06 (UTC-7)
Events over Trigger: 0 (6-5)
Record Time: 5.0 s
Seismic Trigger: 0.030 in/s
Sound Trigger: N/A
Battery Level: 8.2

Additional Info:

j-GEO-01253
N37 59.481, W122 27.256

Shaketable Calibrated: 10/23/2019
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 on Quarry Property (S/N 11281) did not trigger during the shot on June 30, 2020 at approximately 12:22 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

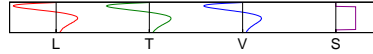
Serial No: 11281 v10.27
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: ON QUARRY PROPERTY
Distance:
Operator: VIBRA-TECH IP2
Comment:

Begin Date: 07/21/2020 06:03:42 (UTC-7)
End Date: 07/21/2020 11:57:47 (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: 8.2

Additional Info:
VIRTUAL CHECK
j-GEO-01253
N37 59.481, W122 27.256

Shaketable Calibrated: 10/23/2019
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 on Quarry Property (S/N 11281) did not trigger during the shot on July 21, 2020 at approximately 11:30 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

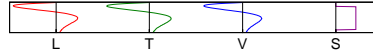
Serial No: 11281 v10.27
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: ON QUARRY PROPERTY
Distance:
Operator: VIBRA-TECH IP2
Comment:

Begin Date: 07/28/2020 06:03:43 (UTC-7)
End Date: 07/28/2020 12:54:54 (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

Additional Info:
VIRTUAL CHECK
j-GEO-01253
N37 59.481, W122 27.256

Shaketable Calibrated: 10/23/2019
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 on Quarry Property (S/N 11281) did not trigger during the shot on July 28, 2020 at approximately 11:30 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

Serial No: 11281 v10.27
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: ON QUARRY PROPERTY
Distance:
Operator: VIBRA-TECH IP2
Comment:

Begin Date: 09/24/2020 06:00:53 (UTC-7)
End Date: 09/24/2020 20:00:00 (UTC-7)
Events over Trigger: 0 (6-5)
Record Time: 5.0 s
Seismic Trigger: 0.030 in/s
Sound Trigger: N/A
Battery Level: 8.2

Additional Info:

j-GEO-01253
N37 59.481, W122 27.256

Shaketable Calibrated: 10/23/2019
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 on Quarry Property (S/N 11281) did not trigger during the shot on September 24, 2020, at approximately 11:30 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

Serial No: 11673 v10.27
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: ON QUARRY PROPERTY
Distance:
Operator: VIBRA-TECH IP2
Comment:

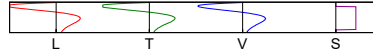
Begin Date: 10/26/2020 06:00:53 (UTC-7)
End Date: 10/26/2020 20:00:00 (UTC-7)
Events over Trigger: 0 (2-1)
Record Time: 5.0 s
Seismic Trigger: 0.030 in/s
Sound Trigger: N/A
Battery Level: 8.1

Additional Info:

j-GEO-01253
N37 59.481, W122 27.256

Shaketable Calibrated: 09/11/2020
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 on Quarry Property (S/N 11673) did not trigger during the shot on October 26, 2020 at approximately 14:15 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Seismic Analysis

Velocity Waveform Analysis

Serial Number: 11673
Firmware Version: 0C-10.27
Event Date: 10/28/2020 11:31:43 (UTC -07:00)
Event number: 2
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

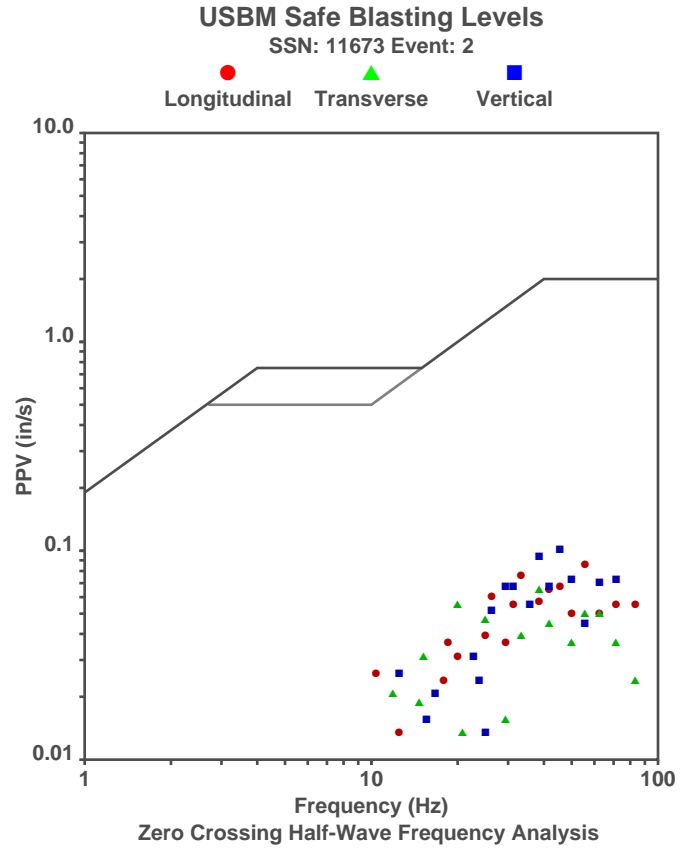
Summary Data

	L	T	V
PPV (in/s):	0.083	0.063	0.098
FREQ (HZ):	55.6	38.5	45.5
PD (.001'')	0.5	0.51	0.49
PPA (g):	0.078	0.052	0.091

Peak Vector Sum: 0.125 in/s
Peak Air Pressure: 108 dB
 0.0007 psi @ 2 HZ

Shaketable Calibrated

On: 09/11/2020 (UTC -07:00)
By: Vibra-Tech, Inc.
 2700 Holloway Road - Suite 113
 Louisville, KY 40203 U.S.A.

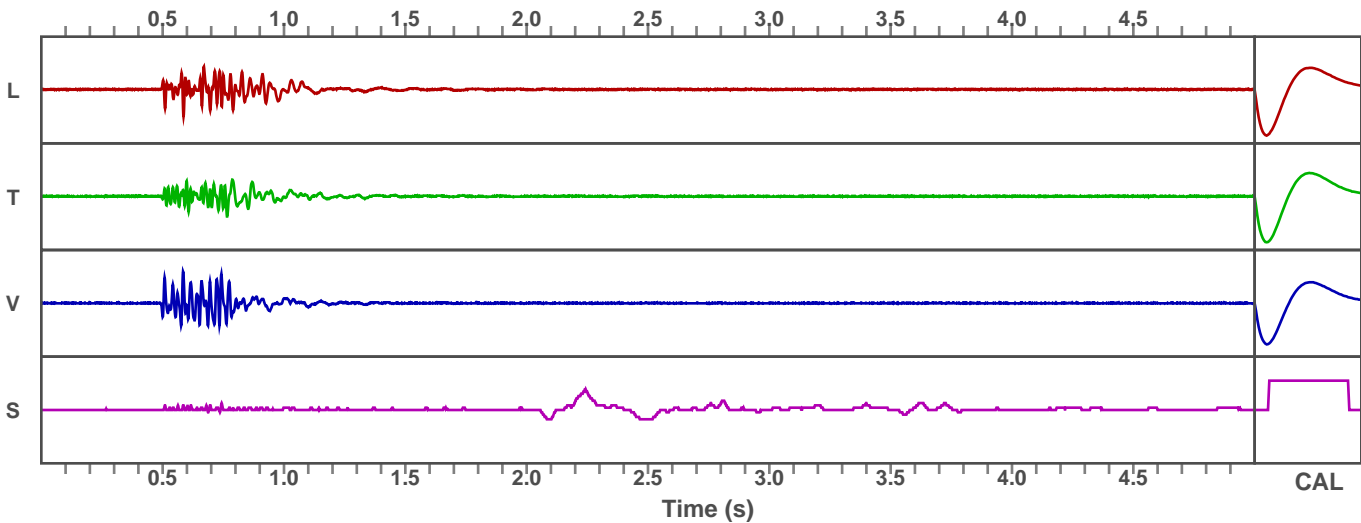


Waveform Graph Scale

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

Velocity Waveform

SSN: 11673 Event: 2





Tech Engineers, Inc. Seismic Analysis

Stop Event Report

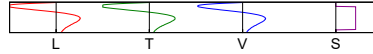
Serial No: 11673 v10.27
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: ON QUARRY PROPERTY
Distance:
Operator: VIBRA-TECH IP2
Comment:

Begin Date: 11/03/2020 06:04:04 (UTC-8)
End Date: 11/03/2020 12:24:19 (UTC-8)
Events over Trigger: 0 (0--1)
Record Time: 5.0 s
Seismic Trigger: 0.030 in/s
Sound Trigger: N/A
Battery Level: 8.2

Additional Info:
 VIRTUAL CHECK
 j-GEO-01253
 N37 59.481, W122 27.256

Shaketable Calibrated: 09/11/2020
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 on Quarry Property (S/N 11673) did not trigger during the shot on November 3, 2020 at approximately 11:33 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.

Vibra-Tech Engineers, Inc. Seismic Analysis

Stop Event Report

Serial No: 11673 v10.27
Client: COUNTY OF MARIN
Operation: SAN RAFAEL ROCK QUARRY
Location: ON QUARRY PROPERTY
Distance:
Operator: VIBRA-TECH IP2
Comment:

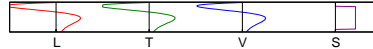
Begin Date: 12/16/2020 06:00:53 (UTC-8)
End Date: 12/16/2020 13:21:28 (UTC-8)
Events over Trigger: 0 (4-3)
Record Time: 5.0 s
Seismic Trigger: 0.030 in/s
Sound Trigger: N/A
Battery Level: 8

Additional Info:

j-GEO-01253
N37 59.481, W122 27.256

Shaketable Calibrated: 09/11/2020
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 on Quarry Property (S/N 11673) did not trigger during the shot on December 16, 2020, at approximately 12:03 indicating the ground vibrations produced were below the ground trigger level of 0.030 in/sec.