

Miramar Siesmic Reading: White Rock Quarries.

Location: 17040 SW 53 Ct

Date:	Time:	PPV:
8/31/2020	11:18 AM	0.12
9/1/2020	1:18 PM	0.215
9/4/2020	11:19 AM	0.128
9/9/2020	1:18 PM	0.208
9/15/2020	11:19 AM	0.188
9/17/2020	11:20 AM	0.143
9/21/2020	1:20 PM	0.17
9/26/2020	2:34 PM	0.065
10/1/2020	1:40 PM	0.06
10/5/2020	11:23 PM	0.033
10/6/2020	11:20 AM	0.058
10/8/2020	11:20 AM	0.058
10/9/2020	11:22 AM	0.155
10/12/2020	11:21 AM	0.053
10/13/2020	1:21 PM	0.068
10/14/2020	11:21 AM	0.033
10/15/2020	2:21 PM	0.103
10/19/2020	11:36 AM	0.045
10/21/2020	11:21 AM	0.04
10/22/2020	1:21 PM	0.058
10/23/2020	1:37 PM	0.06
10/27/2020	1:22 PM	0.045
10/28/2020	2:36 PM	0.06
10/29/2020	2:36 PM	0.045
11/3/2020	12:27 PM	0.05
11/4/2020	4:07 PM	0.06
11/5/2020	2:22 PM	0.065
11/6/2020	12:52 PM	0.08

Location: 5276 SW 152 Ave

Date:	Time:	PPV:
9/9/2020	1:20 PM	0.06
9/17/2020	11:21 AM	0.06
9/21/2020	1:21 PM	0.05
10/1/2020	9:39 AM	0.245
10/5/2020	11:24 AM	0.085
10/7/2020	1:37 PM	0.068
10/12/2020	11:22 AM	0.135
10/14/2020	11:22 AM	0.068
10/16/2020	11:22 AM	0.07
10/21/2020	11:23 AM	0.115
10/22/2020	1:23 PM	0.123

11/2/2020
11/3/2020

3:01 PM
12:29 PM

0.085
0.13

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

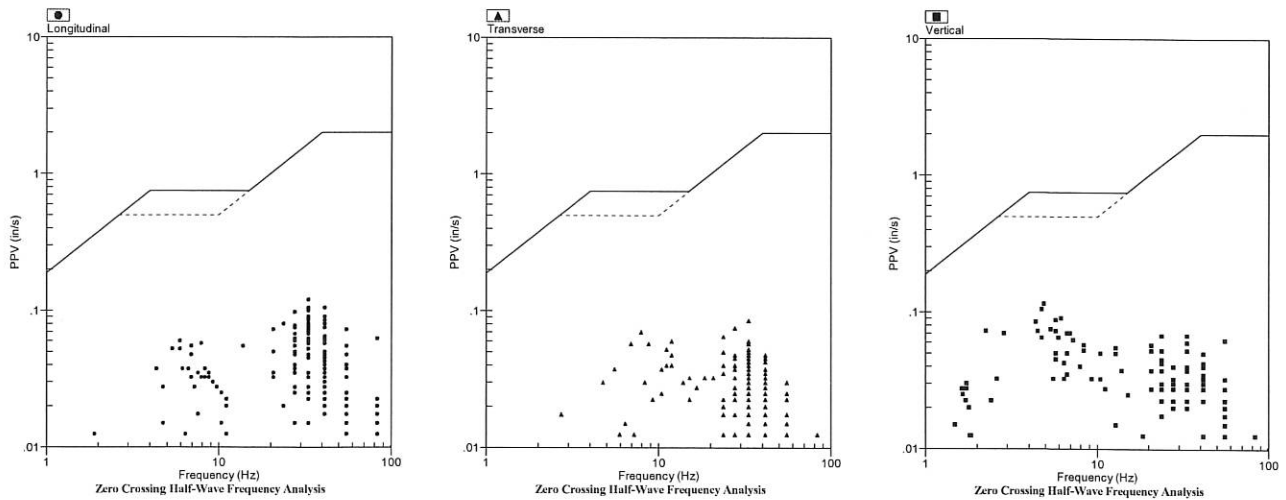
Serial No: 5148 v3.67
Date: 08/31/2020 11:18:30
Event No: 15
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.120	0.085	0.115
FREQ (Hz)	33.3	33.3	4.9
PD (.001")	2.33	1.67	4.94
PPA (g)	0.072	0.039	0.039
Peak Vector Sum:	0.133 in/s		
Peak Air Pressure:	111 db		
	0.00125 PSI @ 8.3 Hz		

Additional Info:

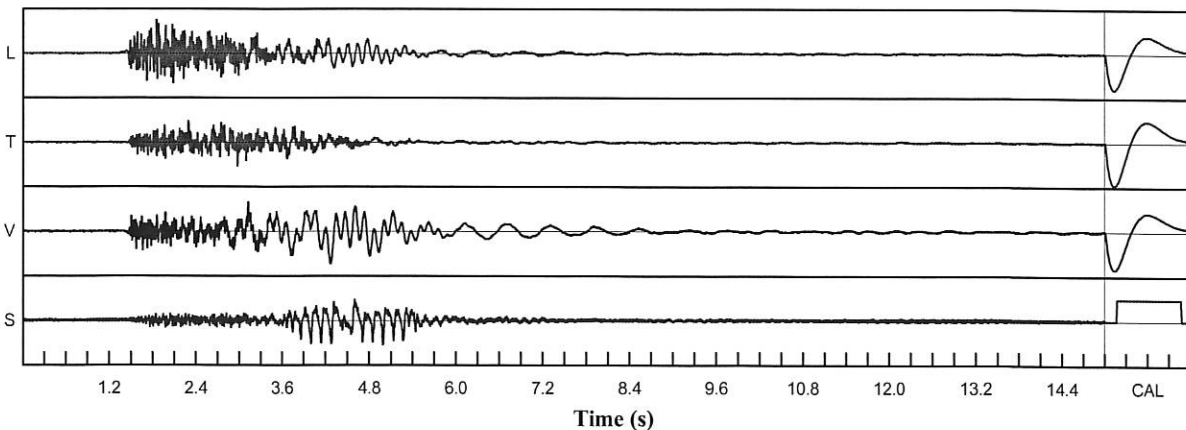
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 15



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

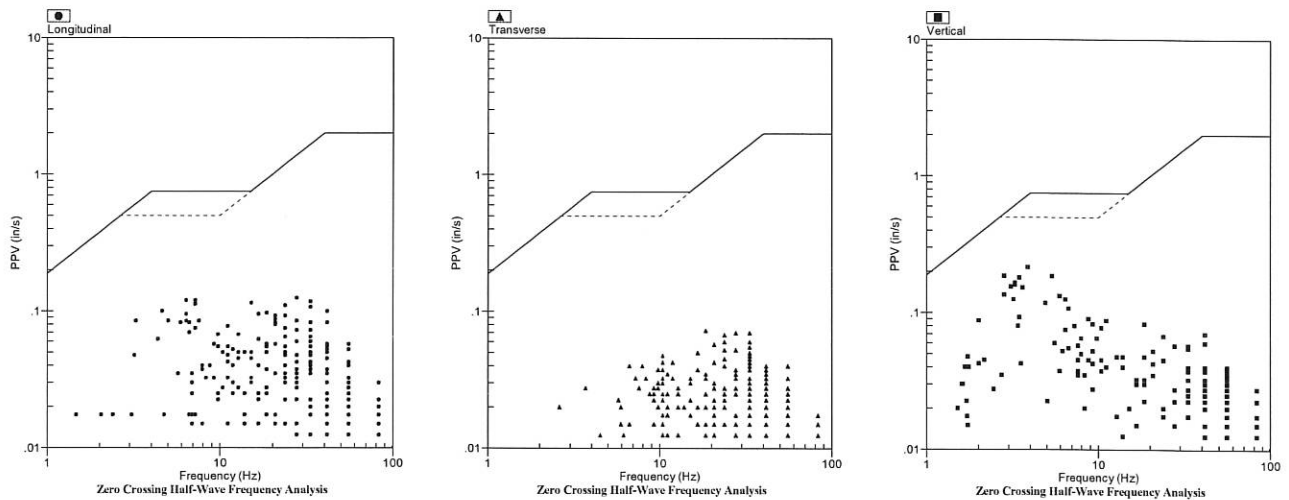
Serial No: 5148 v3.67
Date: 09/01/2020 13:18:23
Event No: 16
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.125	0.073	0.215
FREQ (Hz)	27.8	18.5	3.9
PD (.001")	3.55	1.24	8.05
PPA (g)	0.072	0.039	0.052
Peak Vector Sum:	0.223 in/s		
Peak Air Pressure:	115 db		
	0.00167 PSI @ 6.7 Hz		

Additional Info:

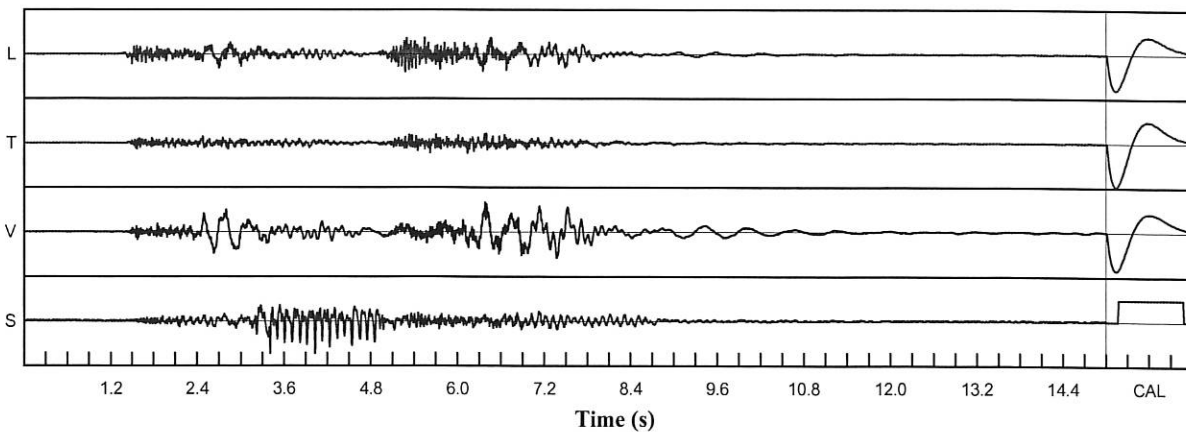
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 16



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.320 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

Serial No: 5148 v3.67
Date: 09/04/2020 11:18:46
Event No: 17
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

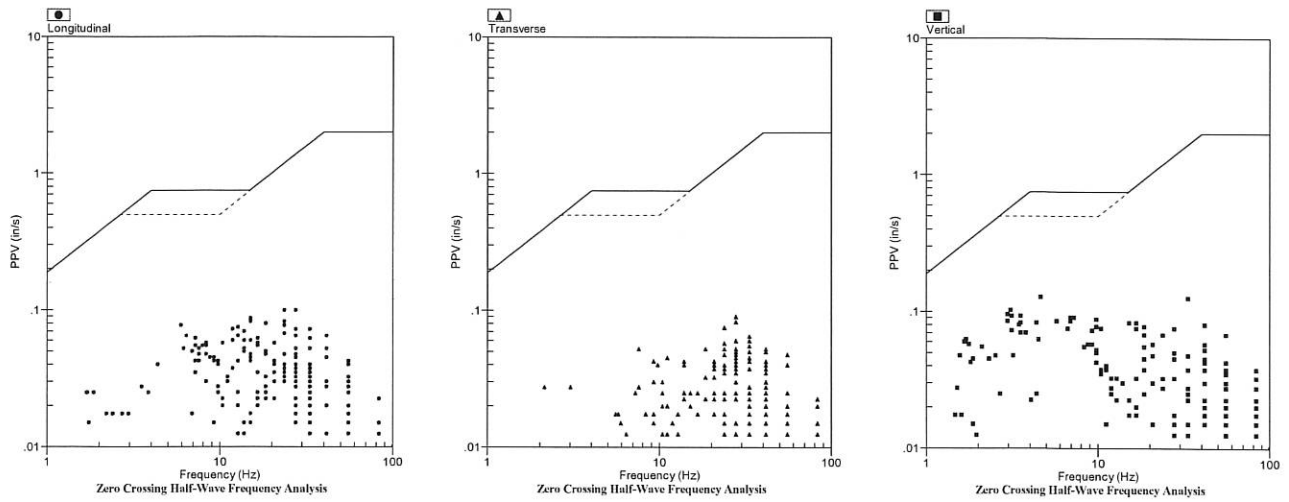
Summary Data

	L	T	V
PPV (in/s)	0.100	0.090	0.128
FREQ (Hz)	23.8	27.8	4.6
PD (.001")	2.41	1.73	5.97
PPA (g)	0.052	0.046	0.065
Peak Vector Sum:	0.133 in/s		
Peak Air Pressure:	109 db		
	0.00096 PSI @ 13.9 Hz		

Additional Info:

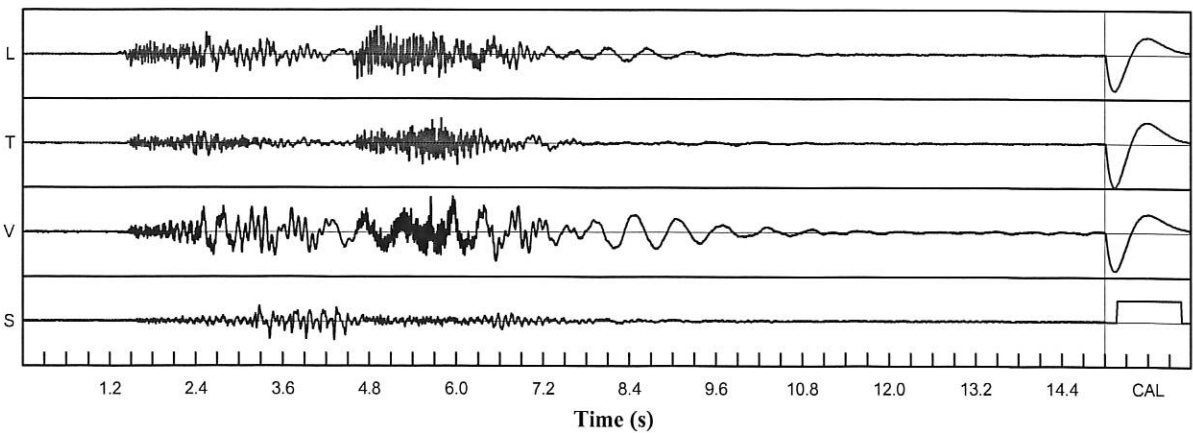
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 17



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

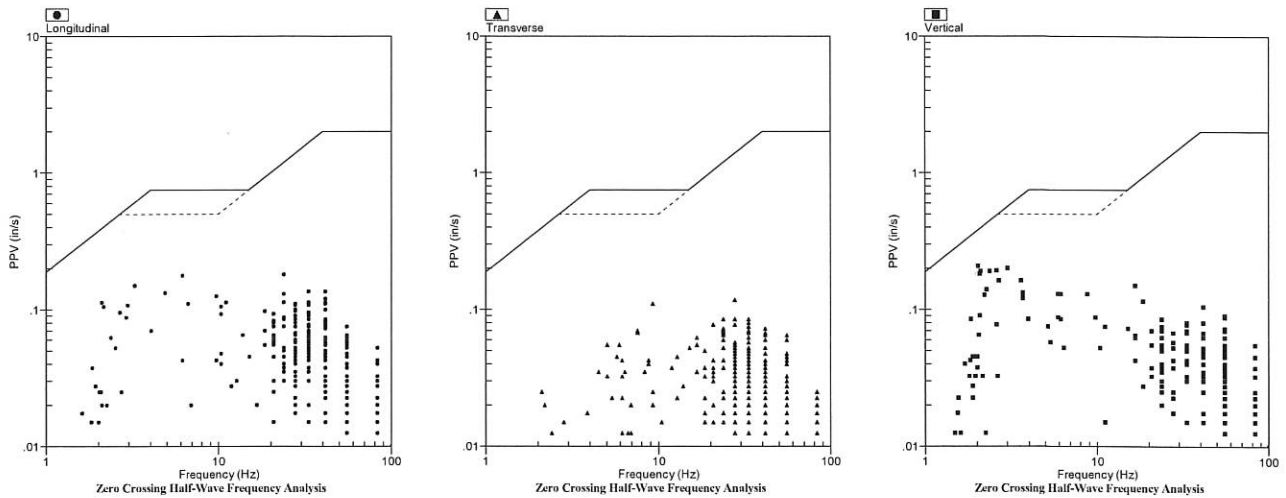
Serial No: 5148 v3.67
Date: 09/09/2020 13:18:28
Event No: 18
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.180	0.118	0.208
FREQ (Hz)	23.8	27.8	2.0
PD (.001")	6.89	2.22	15.67
PPA (g)	0.098	0.059	0.072
Peak Vector Sum:	0.210 in/s		
Peak Air Pressure:	109 db		
	0.00100 PSI @ 41.7 Hz		

Additional Info:

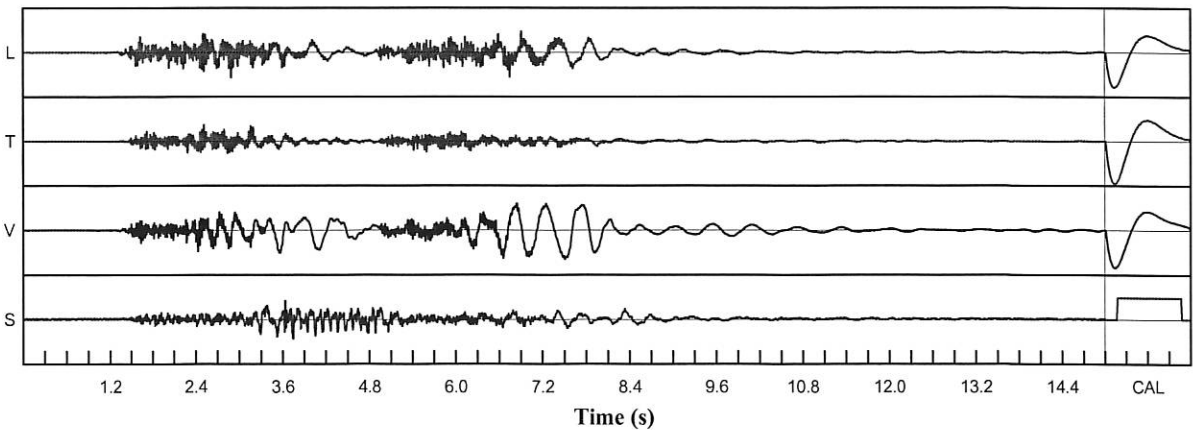
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 18



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.320 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

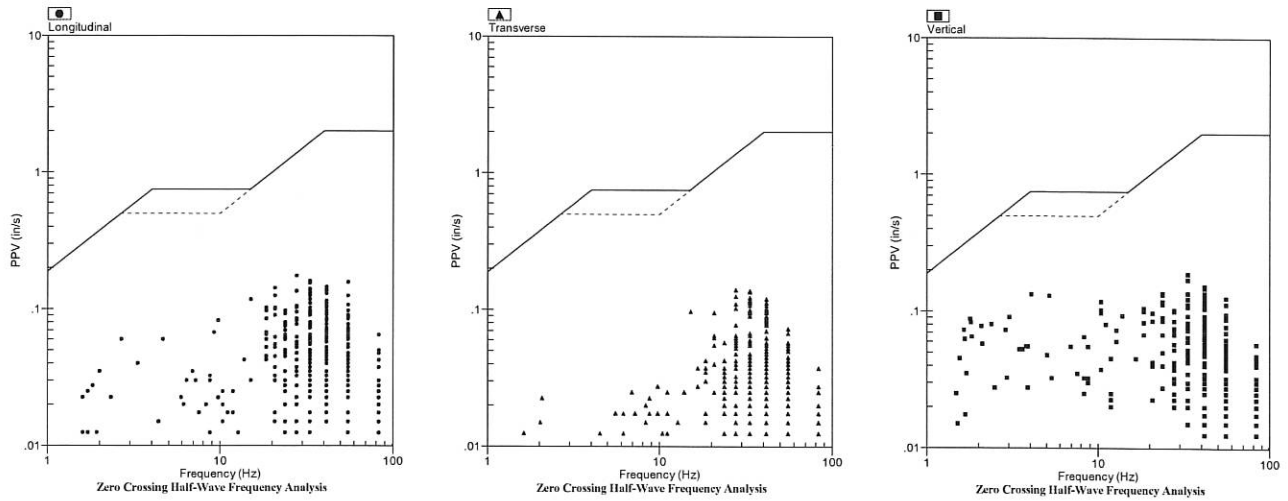
Serial No: 5148 v3.67
Date: 09/15/2020 11:19:16
Event No: 19
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.175	0.140	0.188
FREQ (Hz)	27.8	27.8	33.3
PD (.001")	2.59	1.28	8.01
PPA (g)	0.117	0.085	0.111
Peak Vector Sum:	0.235 in/s		
Peak Air Pressure:	110 db		
	0.00110 PSI @ 11.1 Hz		

Additional Info:

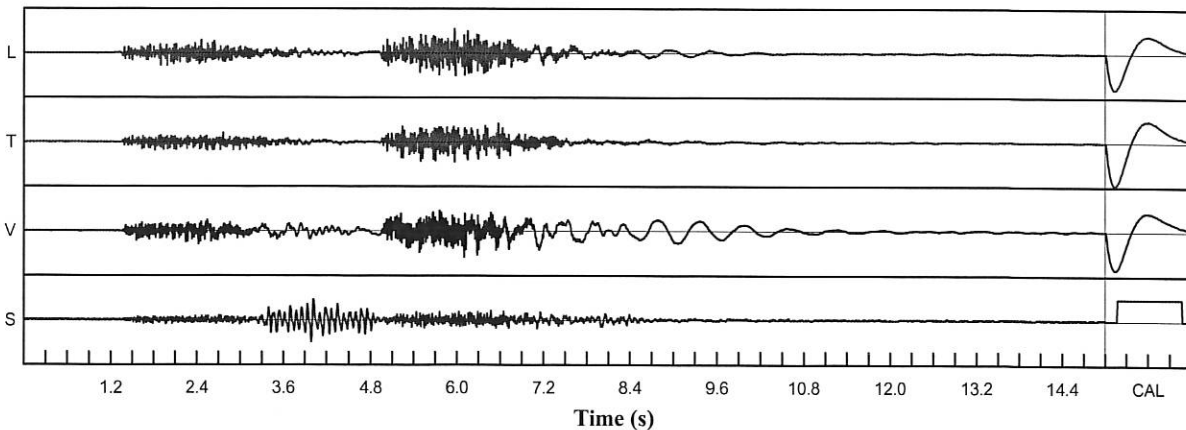
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
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 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 19



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.320 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

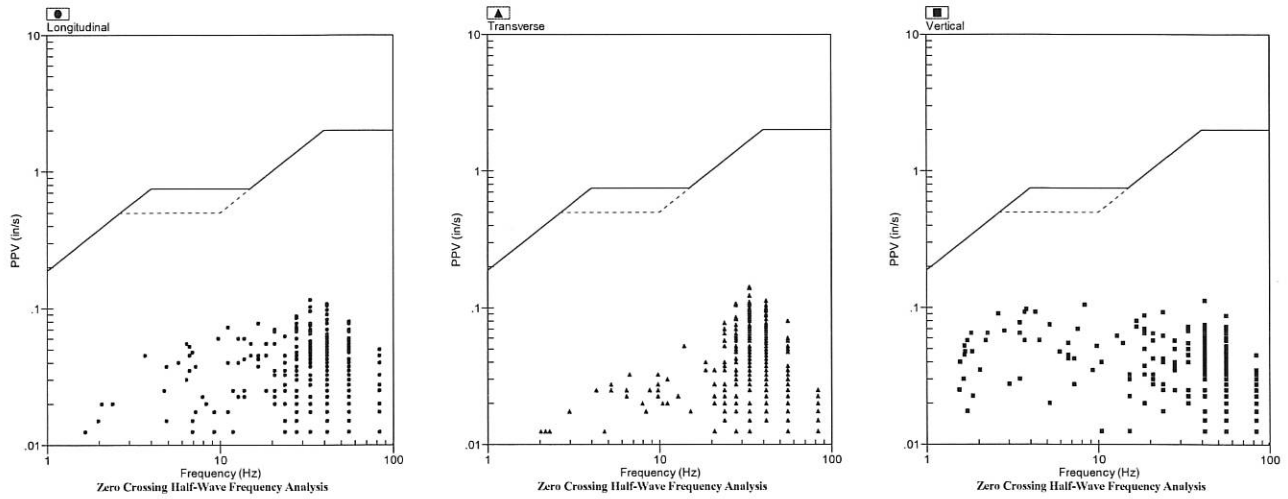
Serial No: 5148 v3.67
Date: 09/17/2020 11:20:12
Event No: 20
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.115	0.143	0.113
FREQ (Hz)	33.3	33.3	41.7
PD (.001")	1.90	1.36	5.30
PPA (g)	0.085	0.085	0.078
Peak Vector Sum:	0.160 in/s		
Peak Air Pressure:	111 db		
	0.00114 PSI @ 9.3 Hz		

Additional Info:

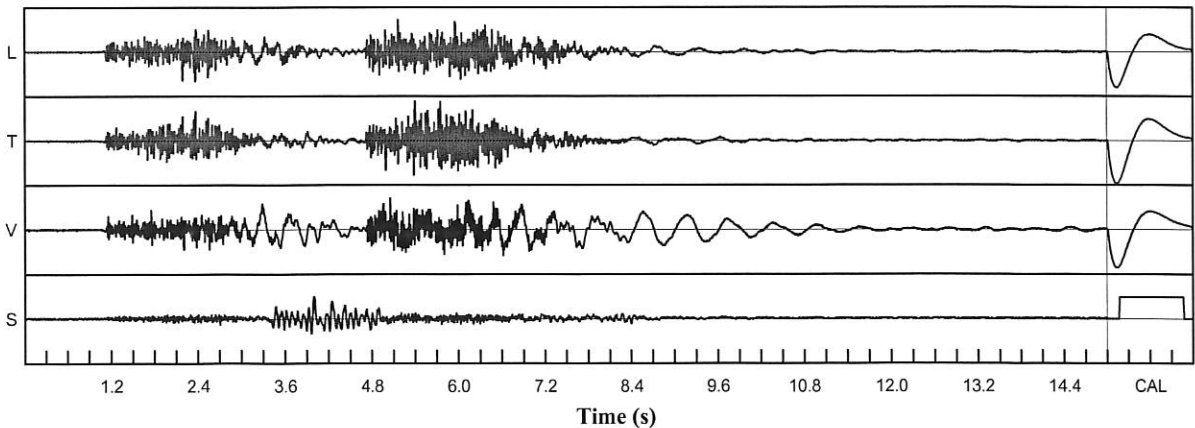
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
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USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 20



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

Serial No: 5148 v3.67
Date: 09/21/2020 13:19:58
Event No: 21
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

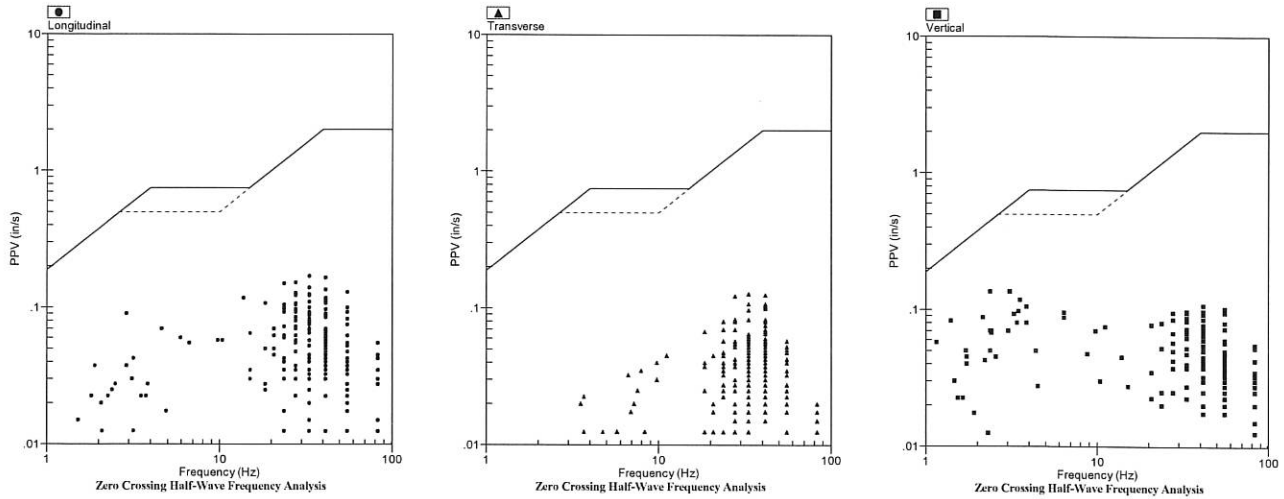
Summary Data

	L	T	V
PPV (in/s)	0.170	0.128	0.135
FREQ (Hz)	33.3	33.3	3.1
PD (.001")	3.61	1.61	8.20
PPA (g)	0.104	0.078	0.085
Peak Vector Sum:	0.200 in/s		
Peak Air Pressure:	110 db		
	0.00107 PSI @ 8.8 Hz		

Additional Info:

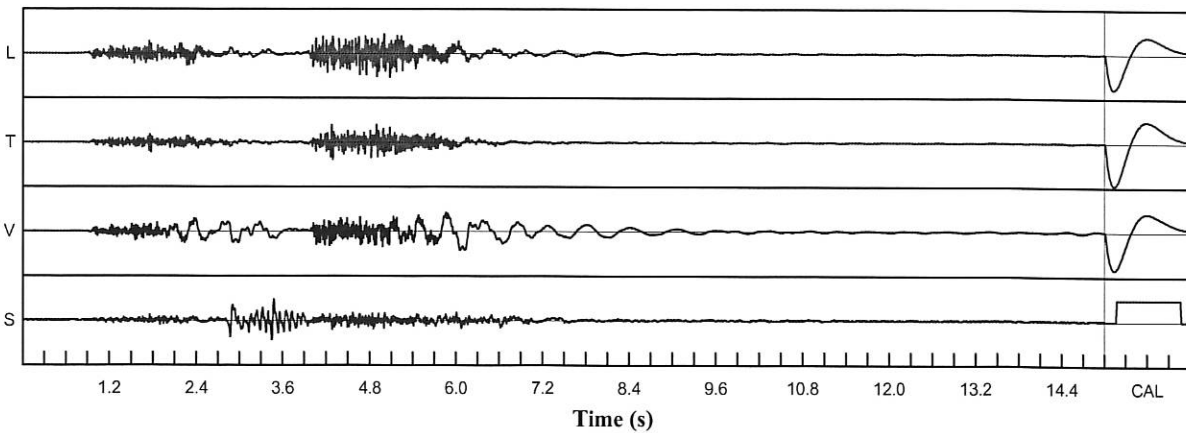
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 21



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.320 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

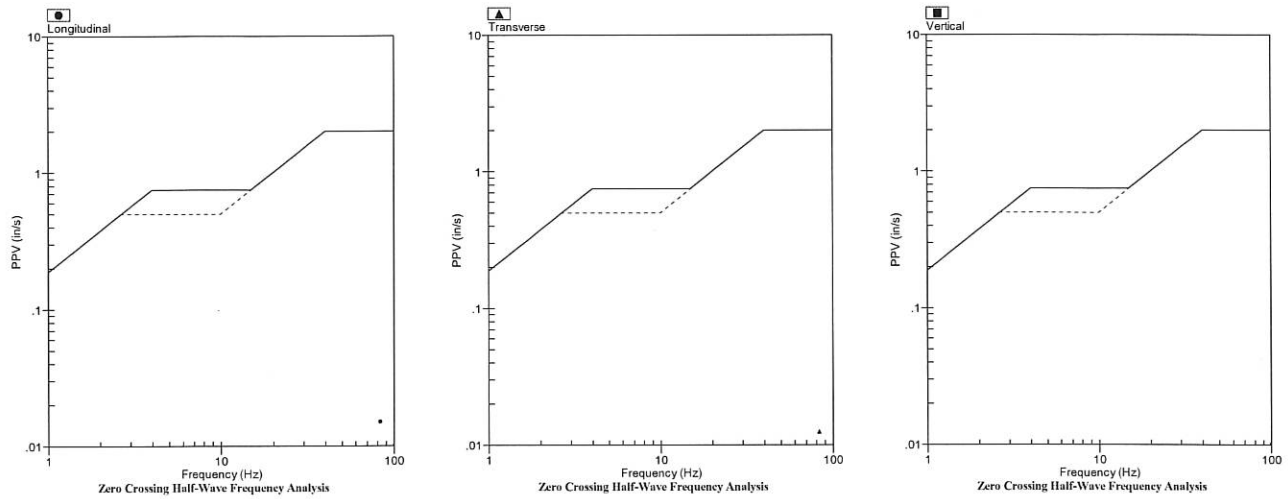
Serial No: 5148 v3.67
Date: 09/26/2020 14:33:47
Event No: 22
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.065	0.053	0.010
FREQ (Hz)	33.3	33.3	41.7
PD (.001")	0.47	0.38	0.17
PPA (g)	0.052	0.039	0.013
Peak Vector Sum:		0.085 in/s	
Peak Air Pressure:		82 db	
		0.00004 PSI @ 1.0 Hz	

Additional Info:

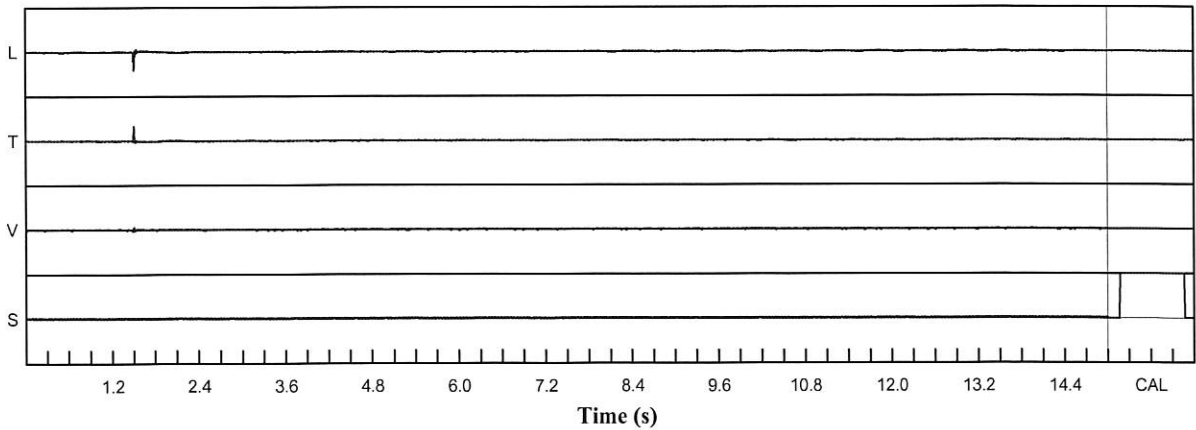
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 22



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

Serial No: 5148 v3.67
Date: 10/01/2020 13:39:41
Event No: 23
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

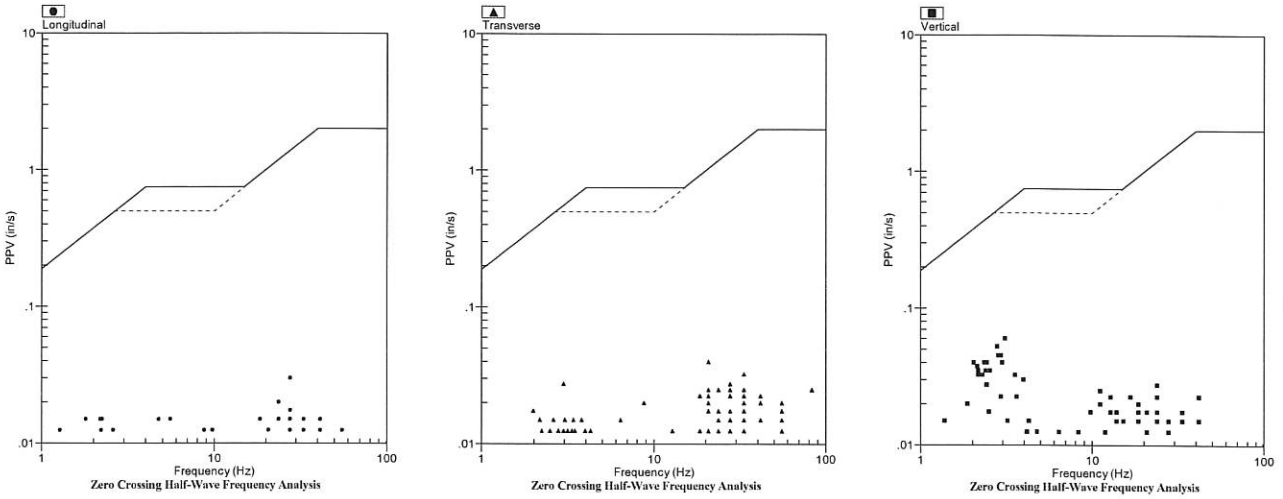
Summary Data

	L	T	V
PPV (in/s)	0.030	0.040	0.060
FREQ (Hz)	27.8	20.8	3.1
PD (.001")	1.32	1.20	2.97
PPA (g)	0.013	0.020	0.013
Peak Vector Sum:	0.060 in/s		
Peak Air Pressure:	98 db		
	0.00039 PSI @ 5.7 Hz		

Additional Info:

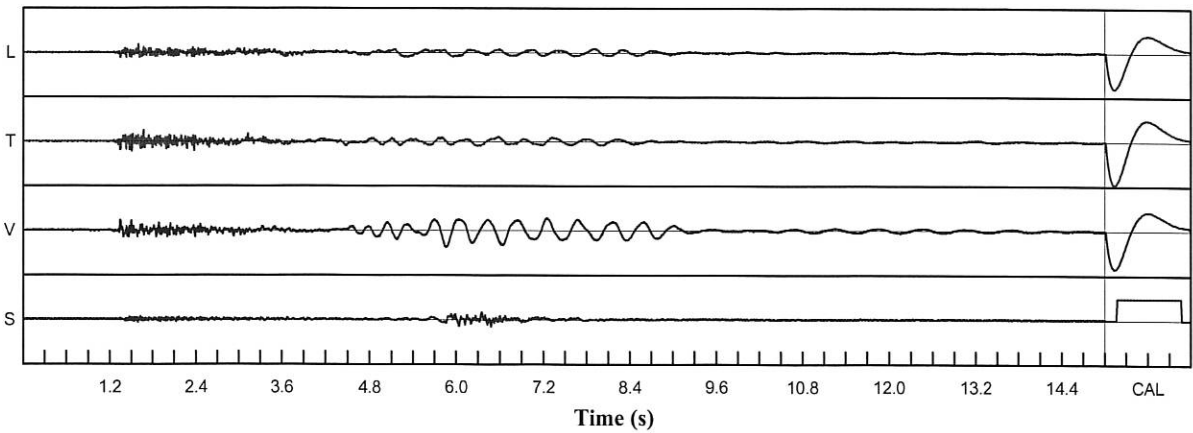
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 23



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

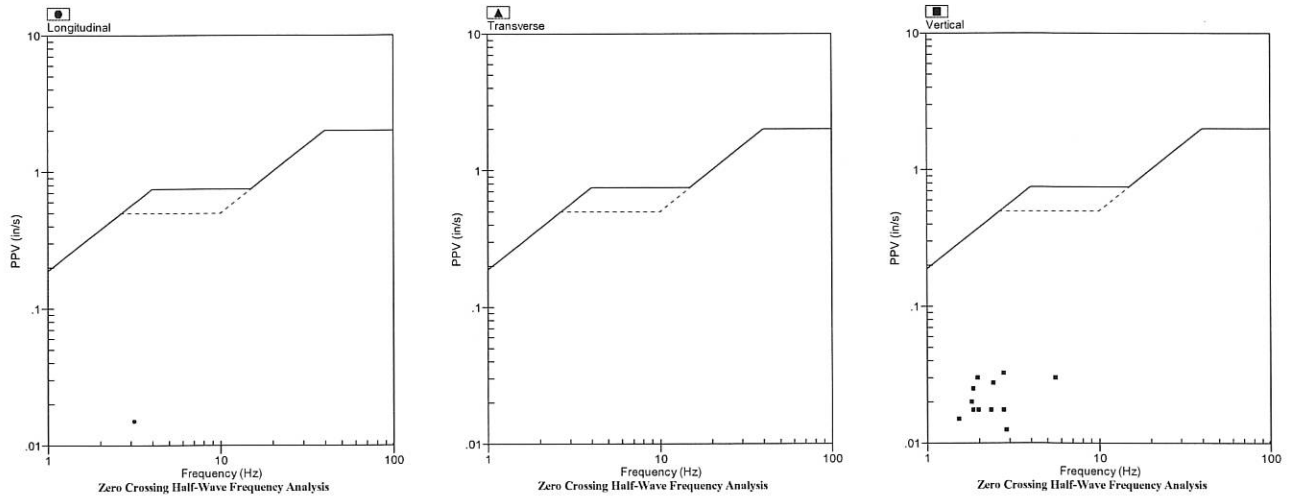
Serial No: 5148 v3.67
Date: 10/05/2020 11:22:31
Event No: 24
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.015	0.013	0.033
FREQ (Hz)	3.3	4.4	2.8
PD (.001")	0.69	0.63	2.06
PPA (g)	0.007	0.007	0.007
Peak Vector Sum:	0.035 in/s		
Peak Air Pressure:	87 db		
	0.00014 PSI @ 12.8 Hz		

Additional Info:

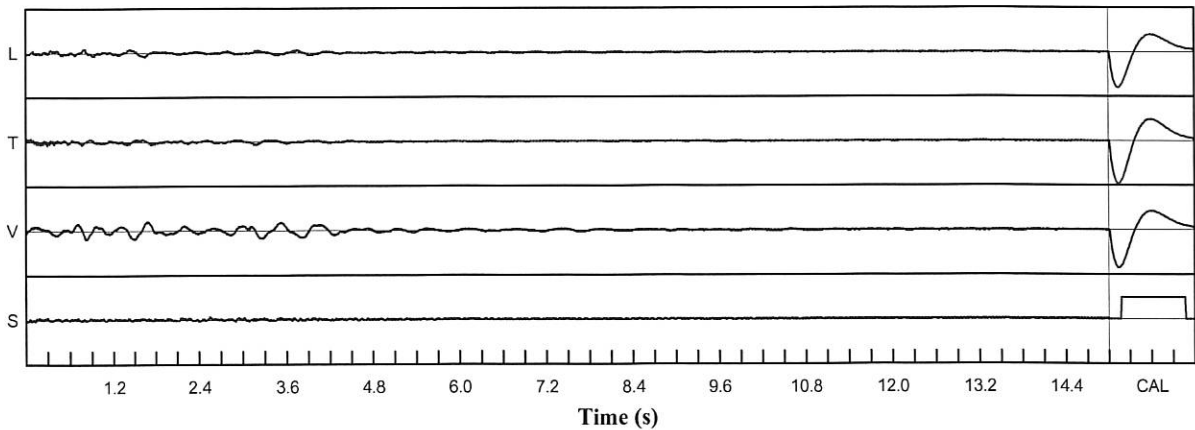
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 24



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

Serial No: 5148 v3.67
Date: 10/06/2020 11:20:11
Event No: 25
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

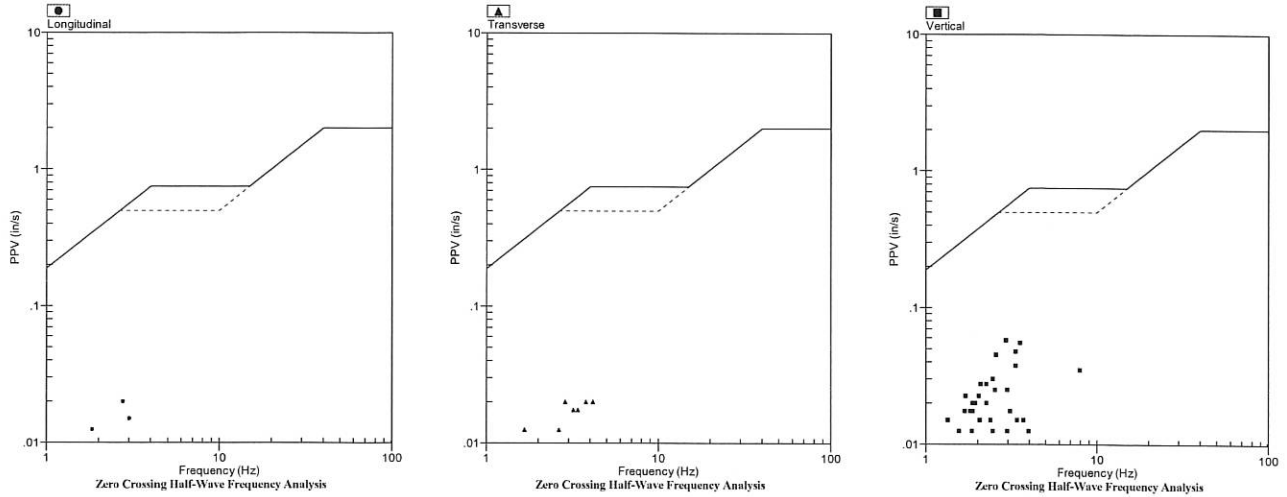
Summary Data

	L	T	V
PPV (in/s)	0.020	0.020	0.058
FREQ (Hz)	2.8	3.8	2.9
PD (.001")	1.18	1.12	3.01
PPA (g)	0.007	0.007	0.007
Peak Vector Sum:	0.058 in/s		
Peak Air Pressure:	87 db		
	0.00014 PSI @ 1.0 Hz		

Additional Info:

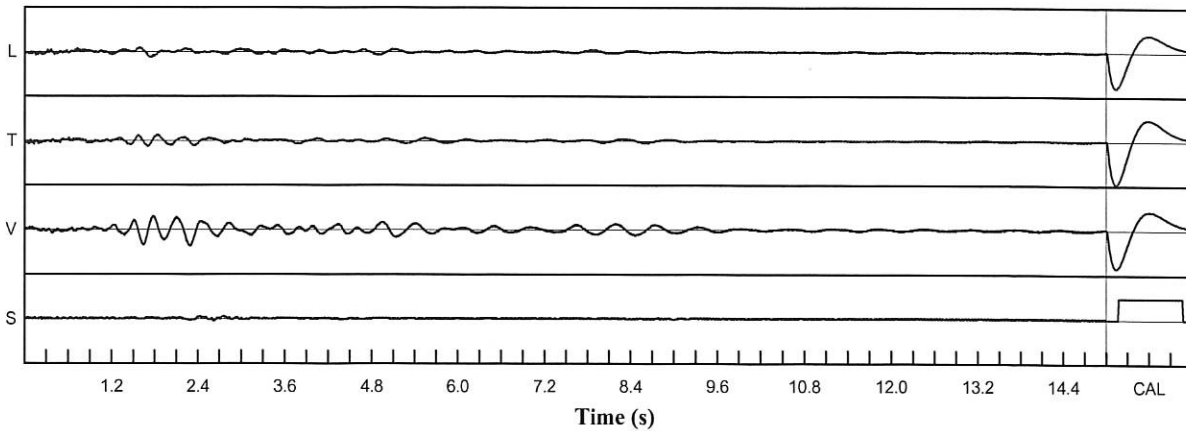
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 25



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

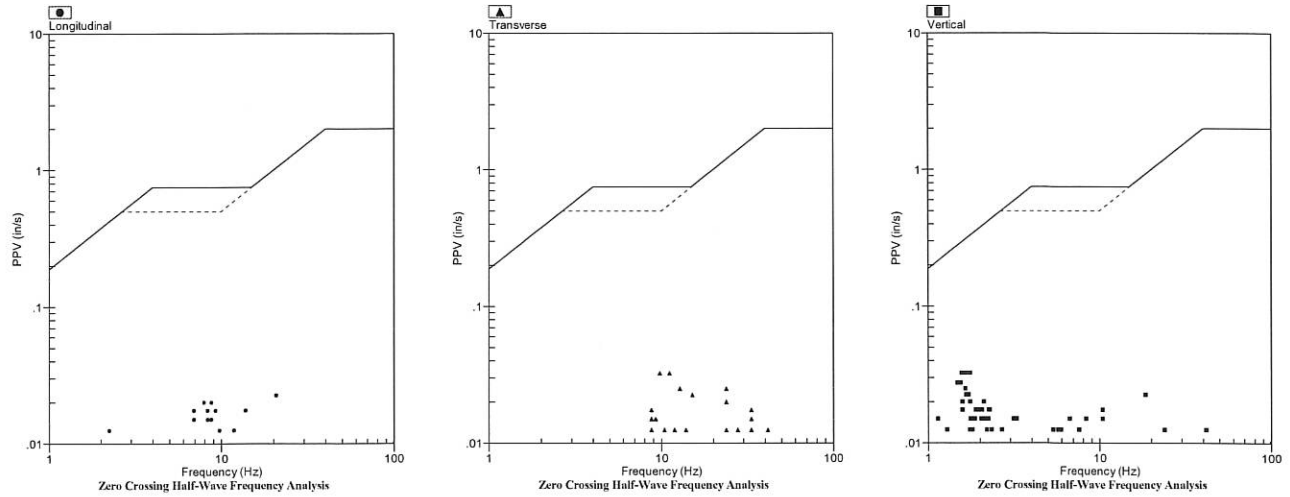
Serial No: 5148 v3.67
Date: 10/08/2020 11:20:22
Event No: 26
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.023	0.058	0.038
FREQ (Hz)	20.8	33.3	11.9
PD (.001")	0.75	0.84	3.04
PPA (g)	0.013	0.033	0.020
Peak Vector Sum:	0.063 in/s		
Peak Air Pressure:	90 db		
	0.00021 PSI @ 18.5 Hz		

Additional Info:

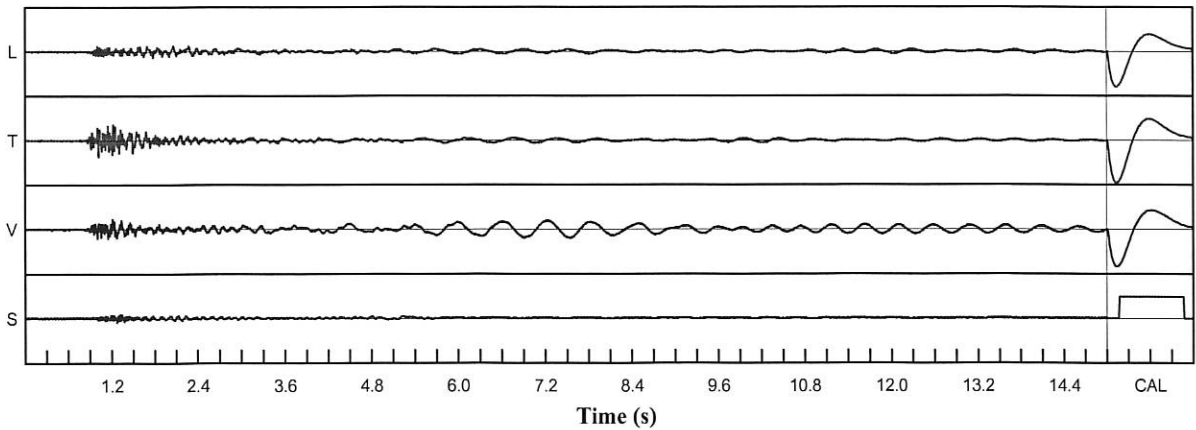
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 26



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

Serial No: 5148 v3.67
Date: 10/09/2020 11:22:02
Event No: 27
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

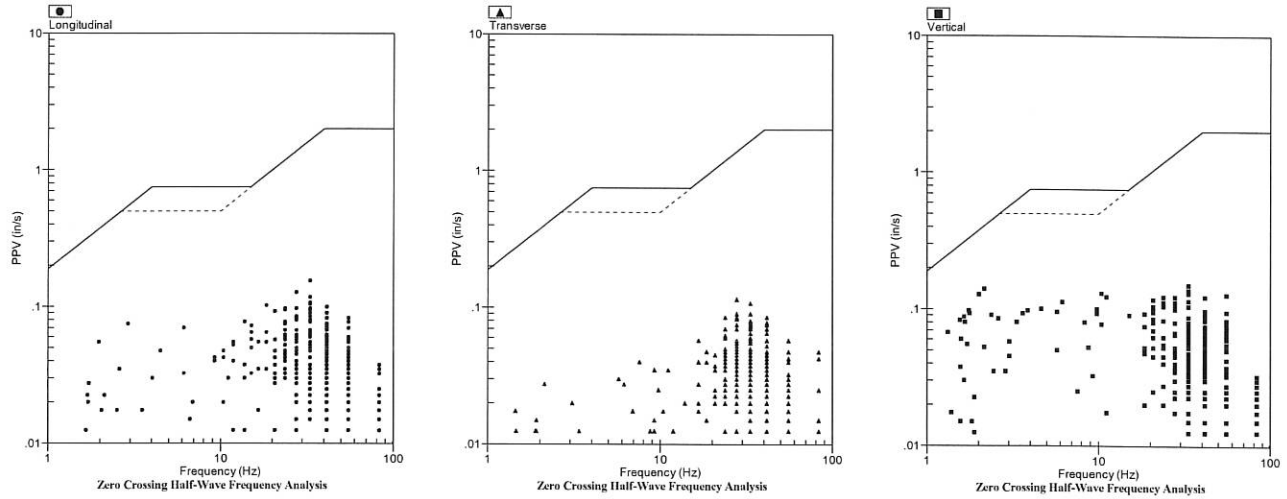
Summary Data

	L	T	V
PPV (in/s)	0.155	0.115	0.150
FREQ (Hz)	33.3	27.8	33.3
PD (.001")	2.88	1.71	9.79
PPA (g)	0.078	0.078	0.091
Peak Vector Sum:	0.180 in/s		
Peak Air Pressure:	111 db		
	0.00125 PSI @ 6.9 Hz		

Additional Info:

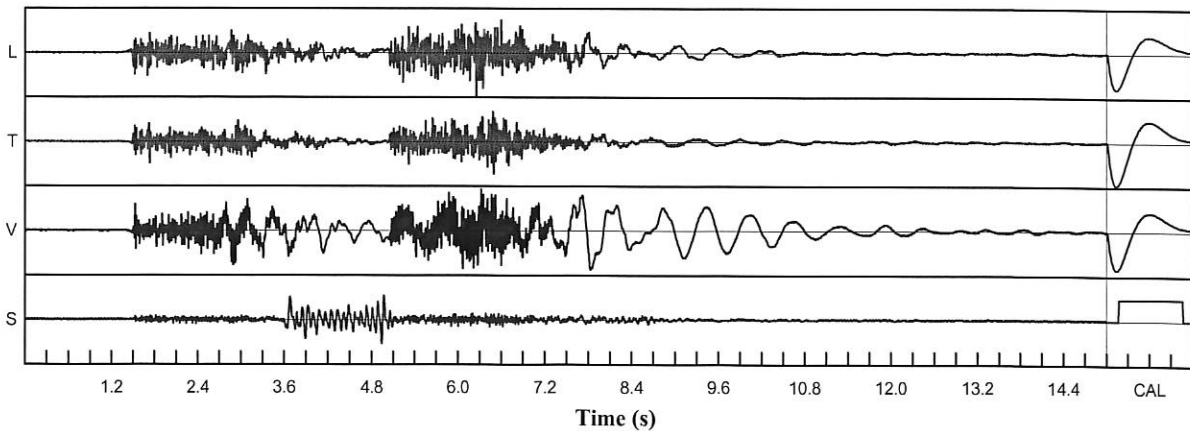
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 27



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

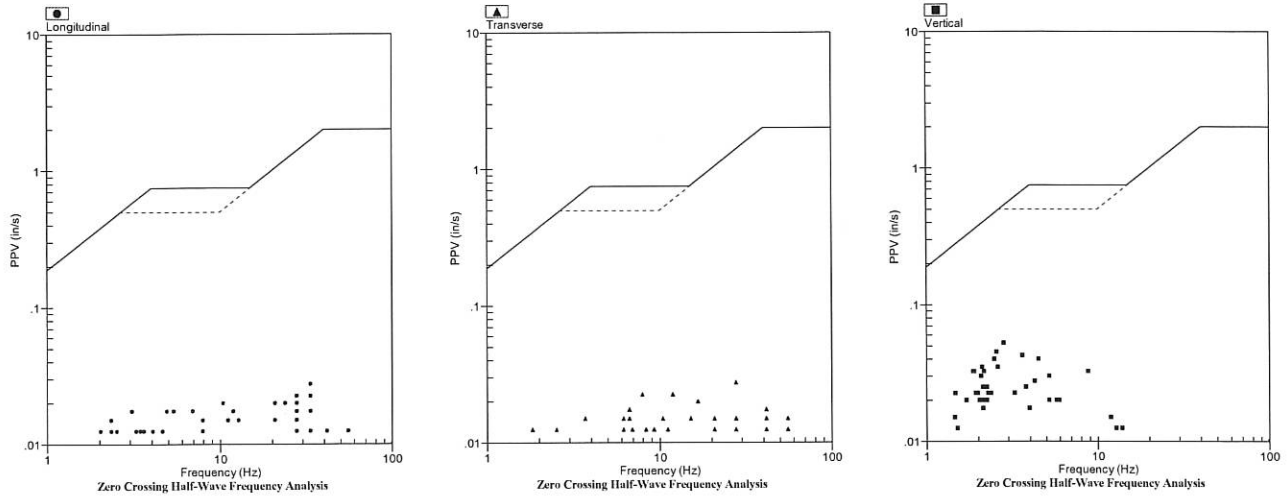
Serial No: 5148 v3.67
Date: 10/12/2020 11:20:44
Event No: 28
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.028	0.028	0.053
FREQ (Hz)	33.3	27.8	2.8
PD (.001")	0.88	0.70	2.75
PPA (g)	0.013	0.020	0.013
Peak Vector Sum:	0.053 in/s		
Peak Air Pressure:	90 db		
	0.00021 PSI @ 1.0 Hz		

Additional Info:

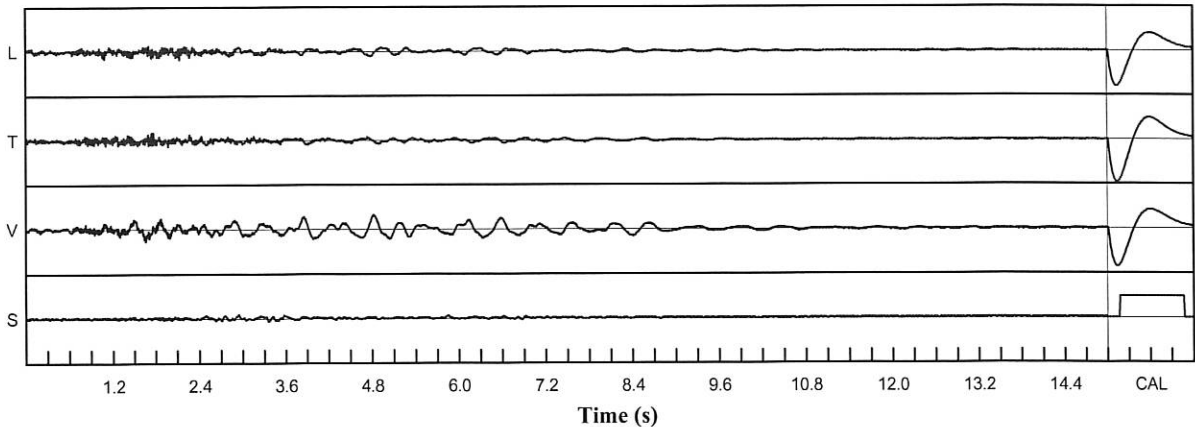
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 28



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

Serial No: 5148 v3.67
Date: 10/13/2020 13:20:50
Event No: 29
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

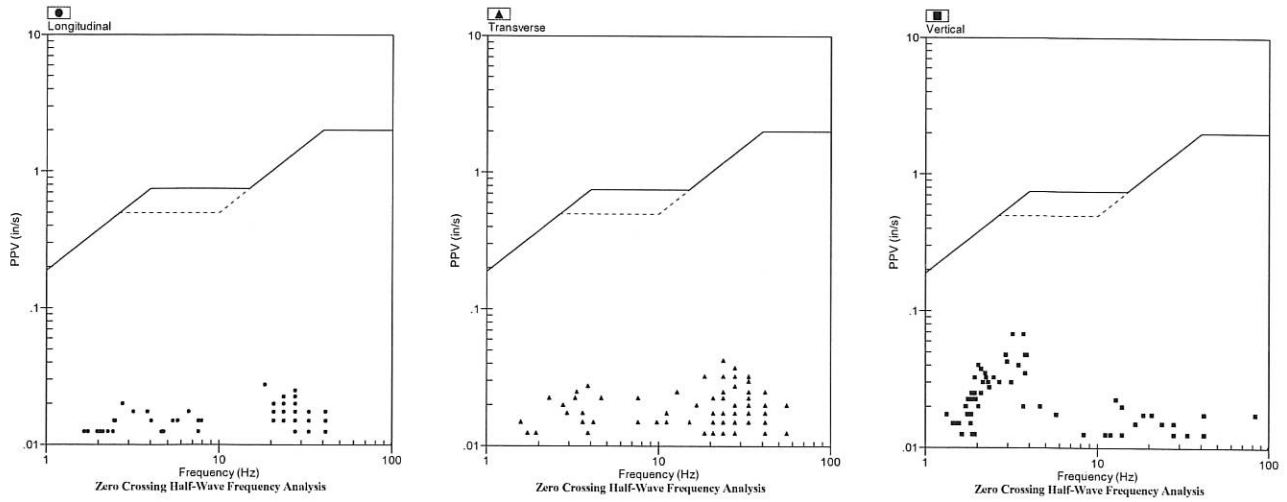
Summary Data

	L	T	V
PPV (in/s)	0.028	0.045	0.068
FREQ (Hz)	18.5	27.8	3.7
PD (.001")	1.39	1.51	3.34
PPA (g)	0.013	0.020	0.013
Peak Vector Sum:	0.070 in/s		
Peak Air Pressure:	91 db		
	0.00025 PSI @ 3.1 Hz		

Additional Info:

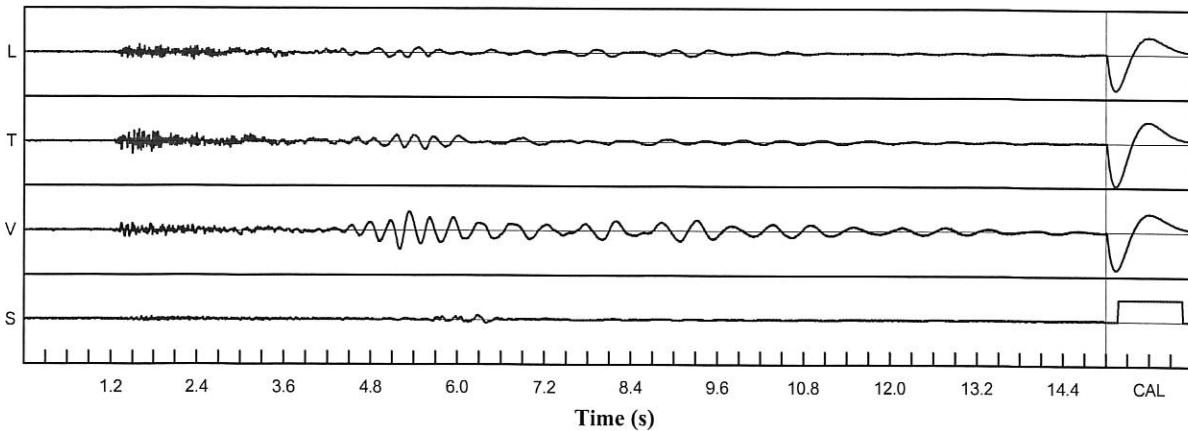
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 29



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

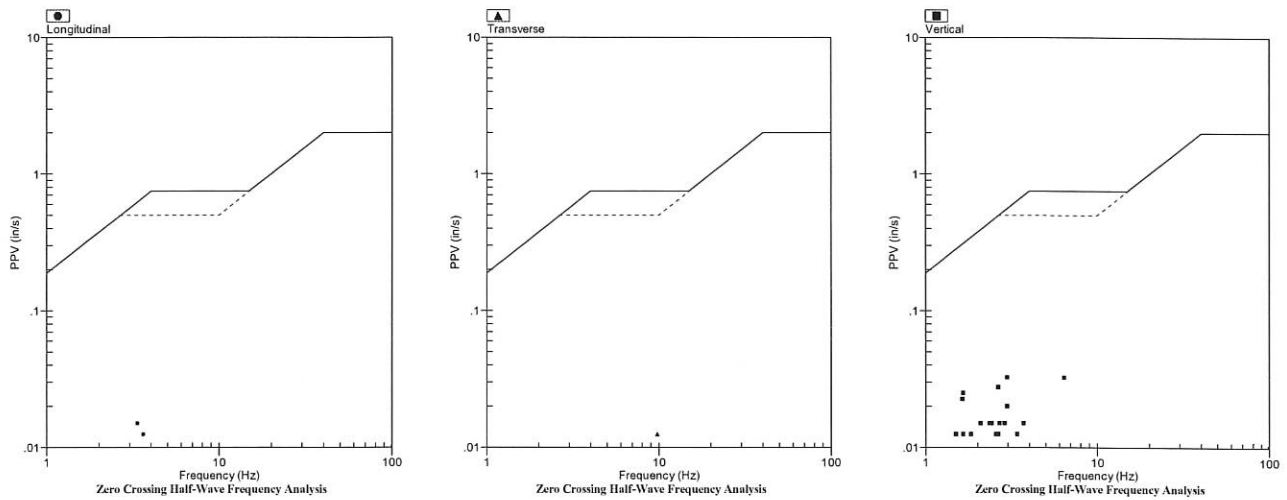
Serial No: 5148 v3.67
Date: 10/14/2020 11:20:37
Event No: 30
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.018	0.020	0.033
FREQ (Hz)	9.3	9.3	2.9
PD (.001")	0.74	0.63	1.85
PPA (g)	0.007	0.013	0.013
Peak Vector Sum:	0.035 in/s		
Peak Air Pressure:	96 db		
	0.00036 PSI @ 2.6 Hz		

Additional Info:

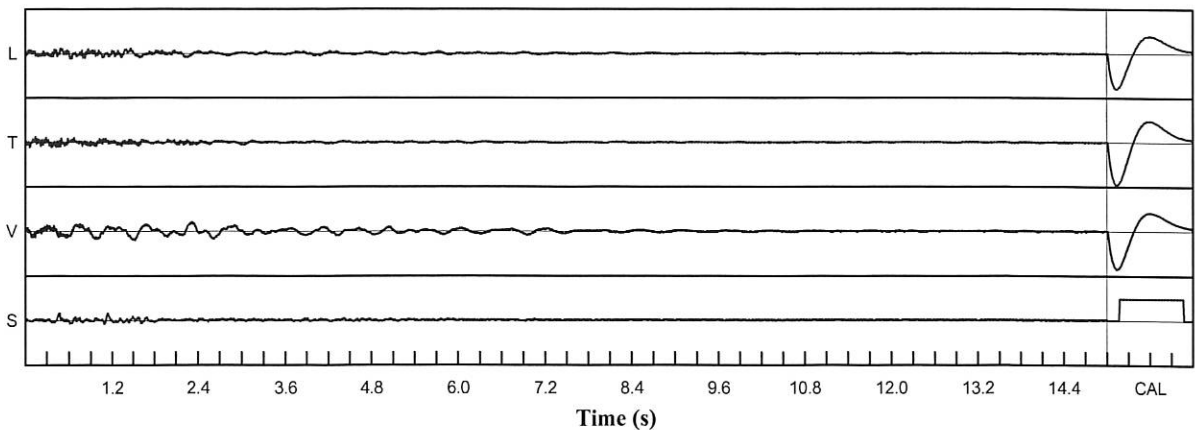
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 30



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

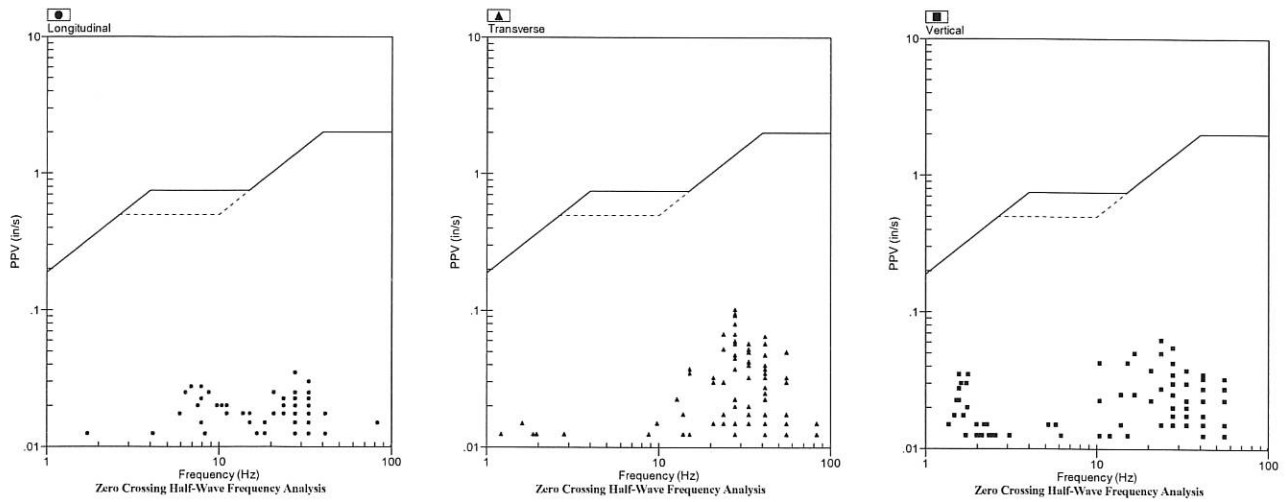
Serial No: 5148 v3.67
Date: 10/15/2020 14:20:53
Event No: 31
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.035	0.103	0.063
FREQ (Hz)	27.8	27.8	23.8
PD (.001")	0.97	1.11	3.16
PPA (g)	0.013	0.052	0.026
Peak Vector Sum:	0.105 in/s		
Peak Air Pressure:	95 db		
	0.00032 PSI @ 27.8 Hz		

Additional Info:

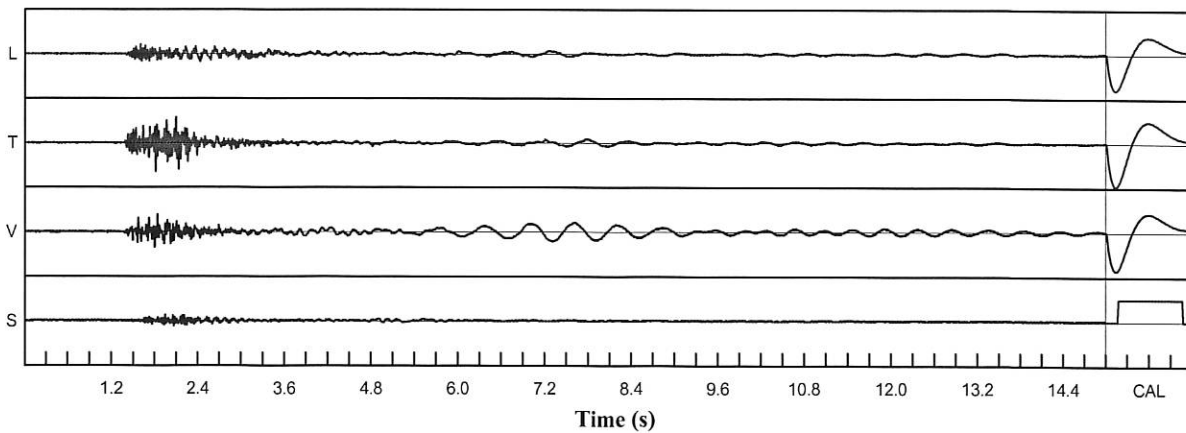
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 31



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

Serial No: 5148 v3.67
Date: 10/19/2020 11:36:05
Event No: 32
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

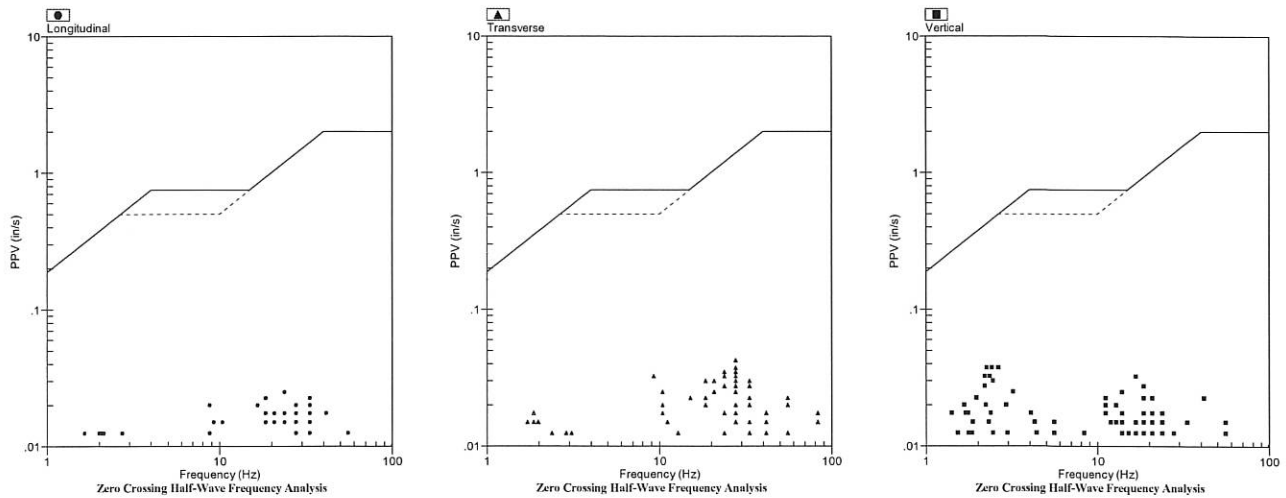
Summary Data

	L	T	V
PPV (in/s)	0.025	0.045	0.038
FREQ (Hz)	23.8	27.8	2.4
PD (.001")	1.13	1.44	2.34
PPA (g)	0.020	0.026	0.013
Peak Vector Sum:	0.058 in/s		
Peak Air Pressure:	88 db		
	0.00018 PSI @ 7.6 Hz		

Additional Info:

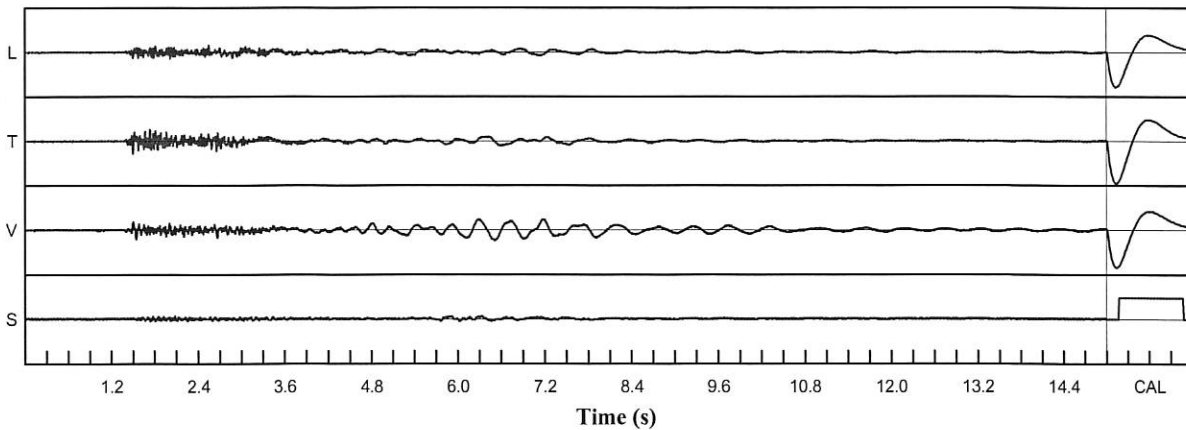
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 32



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

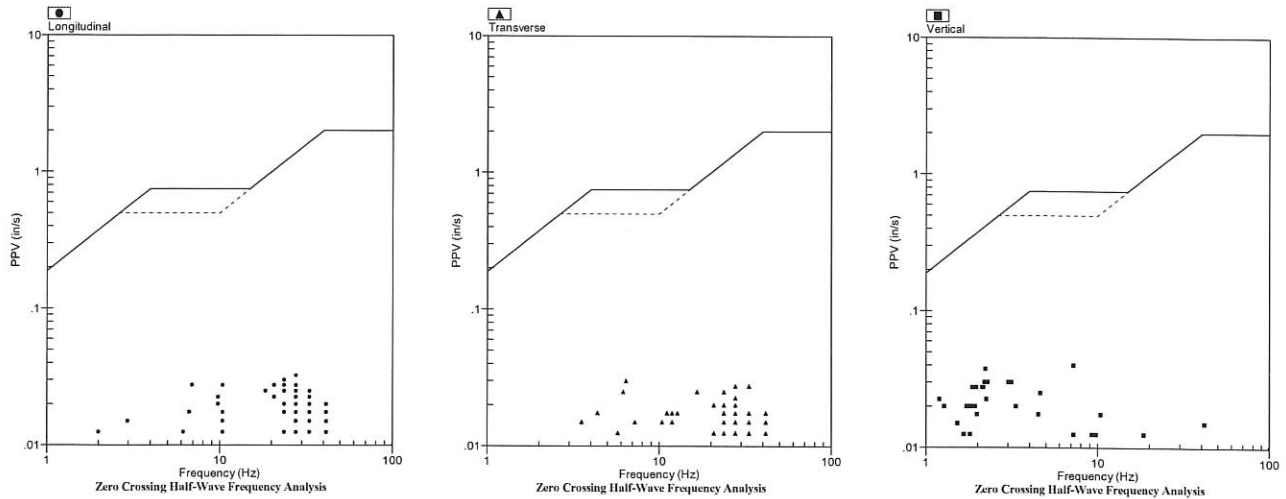
Serial No: 5148 v3.67
Date: 10/21/2020 11:21:04
Event No: 33
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.033	0.030	0.040
FREQ (Hz)	27.8	6.4	3.0
PD (.001")	0.90	0.93	2.13
PPA (g)	0.020	0.020	0.013
Peak Vector Sum:	0.043 in/s		
Peak Air Pressure:	104 db		
	0.00053 PSI @ 4.4 Hz		

Additional Info:

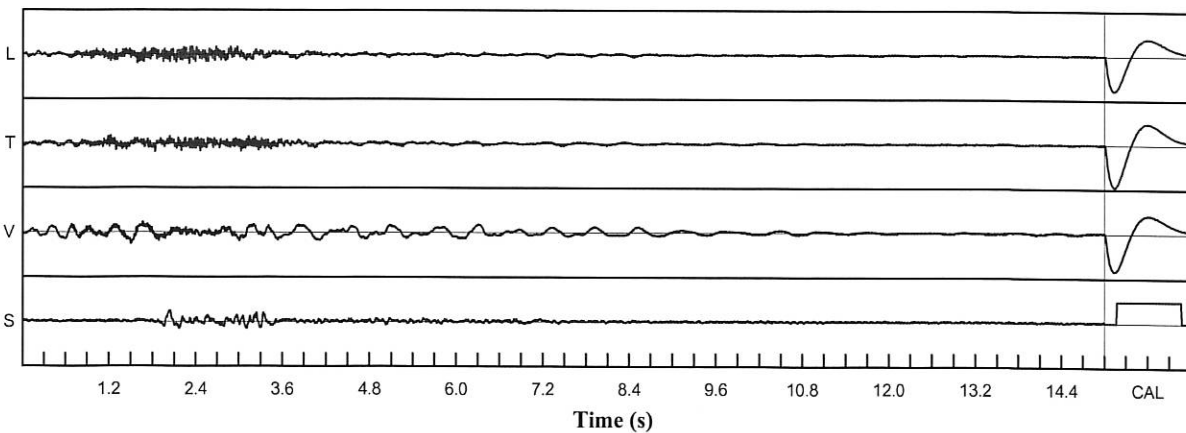
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 33



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

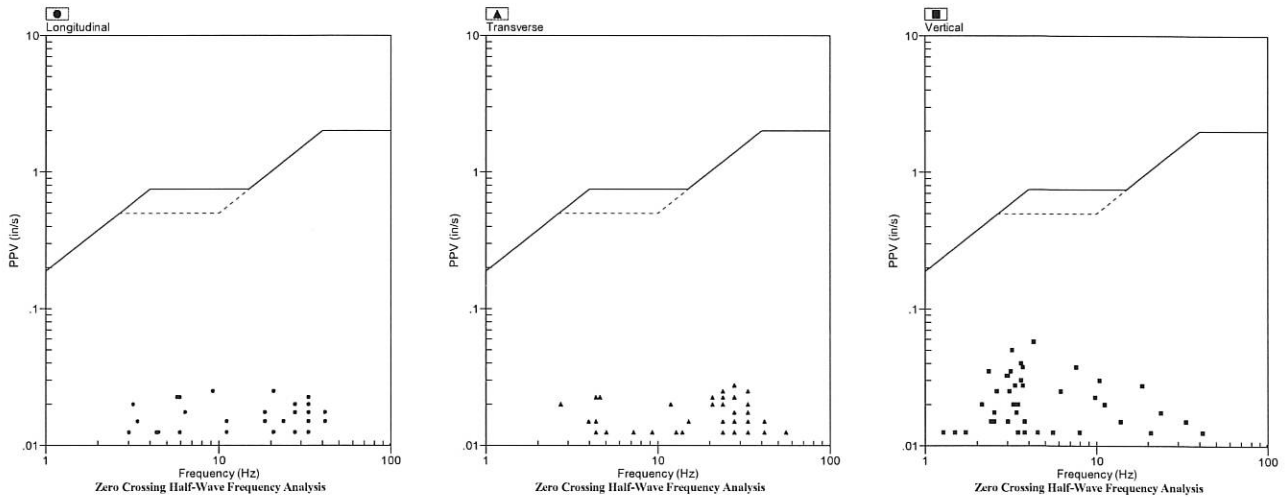
Serial No: 5148 v3.67
Date: 10/22/2020 13:20:59
Event No: 34
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.025	0.030	0.058
FREQ (Hz)	41.7	27.8	4.3
PD (.001")	0.98	0.83	2.44
PPA (g)	0.013	0.013	0.013
Peak Vector Sum:	0.060 in/s		
Peak Air Pressure:	103 db		
	0.00050 PSI @ 4.3 Hz		

Additional Info:

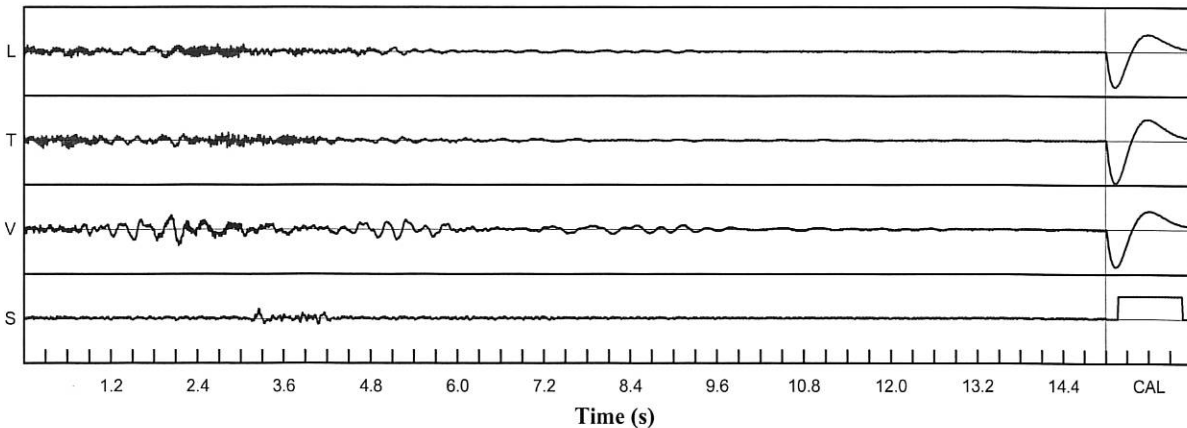
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 34



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

Serial No: 5148 v3.67
Date: 10/23/2020 13:36:37
Event No: 35
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

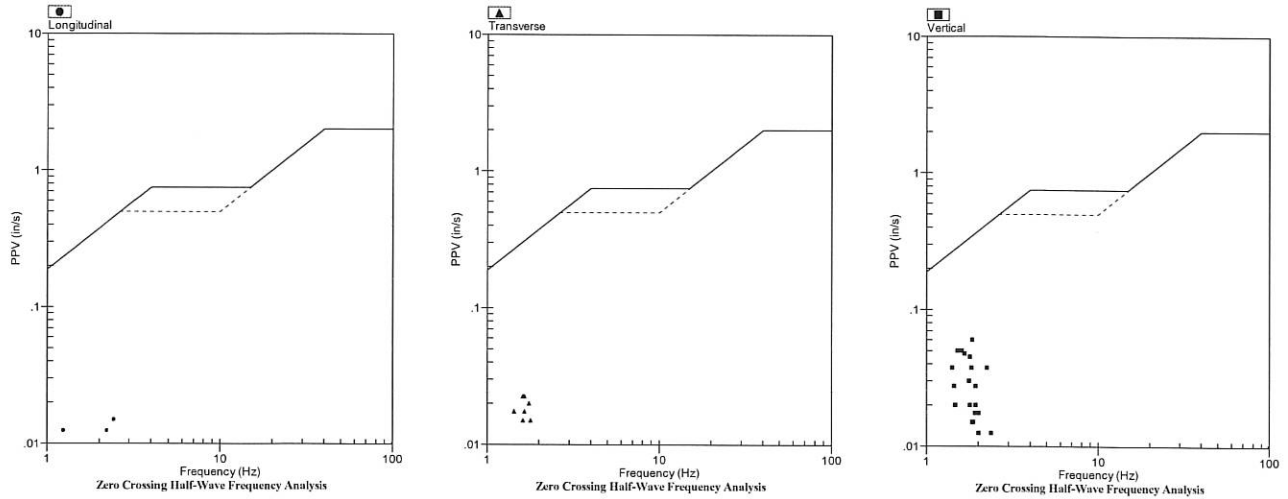
Summary Data

	L	T	V
PPV (in/s)	0.015	0.023	0.060
FREQ (Hz)	2.5	1.7	1.9
PD (.001")	1.15	2.11	4.93
PPA (g)	0.007	0.007	0.007
Peak Vector Sum:	0.063 in/s		
Peak Air Pressure:	87 db		
	0.00014 PSI @ 7.9 Hz		

Additional Info:

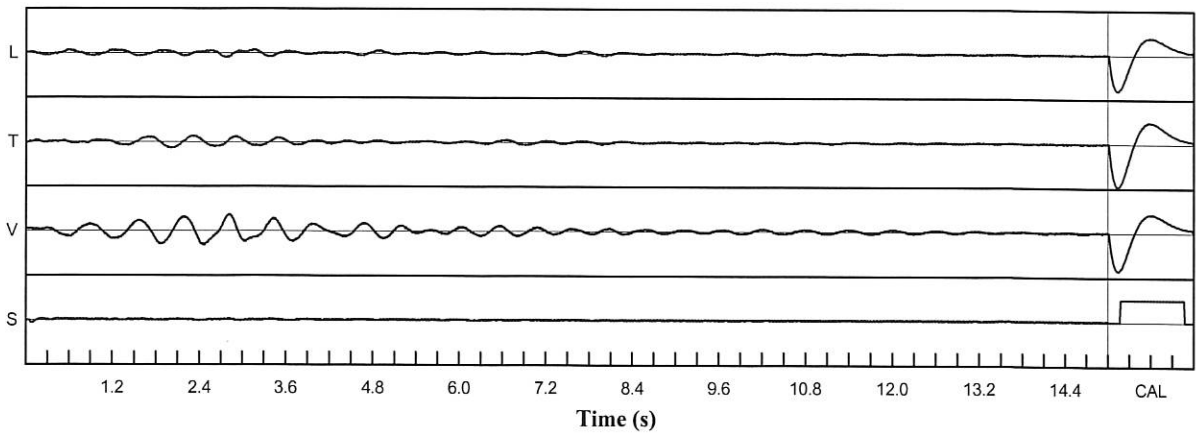
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 35



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

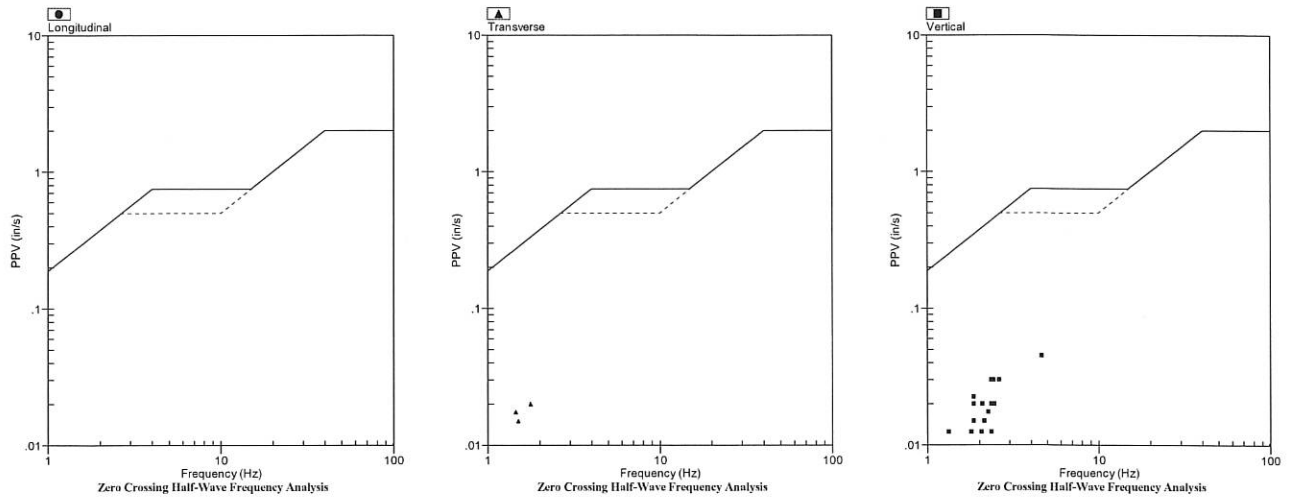
Serial No: 5148 v3.67
Date: 10/27/2020 13:21:37
Event No: 36
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.010	0.020	0.045
FREQ (Hz)	1.5	1.8	2.9
PD (.001")	1.01	1.43	2.18
PPA (g)	0.007	0.007	0.007
Peak Vector Sum:	0.045 in/s		
Peak Air Pressure:	85 db		
	0.00011 PSI @ 1.0 Hz		

Additional Info:

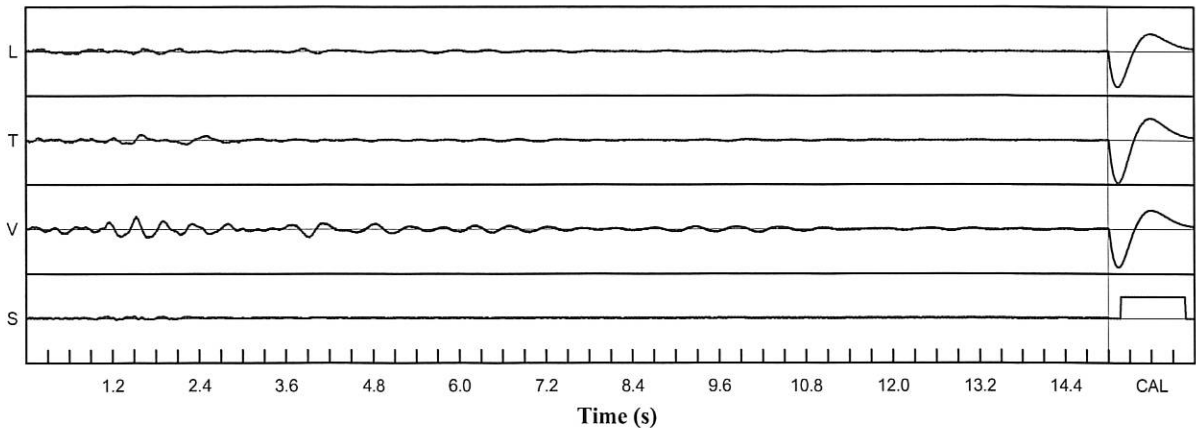
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 36



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

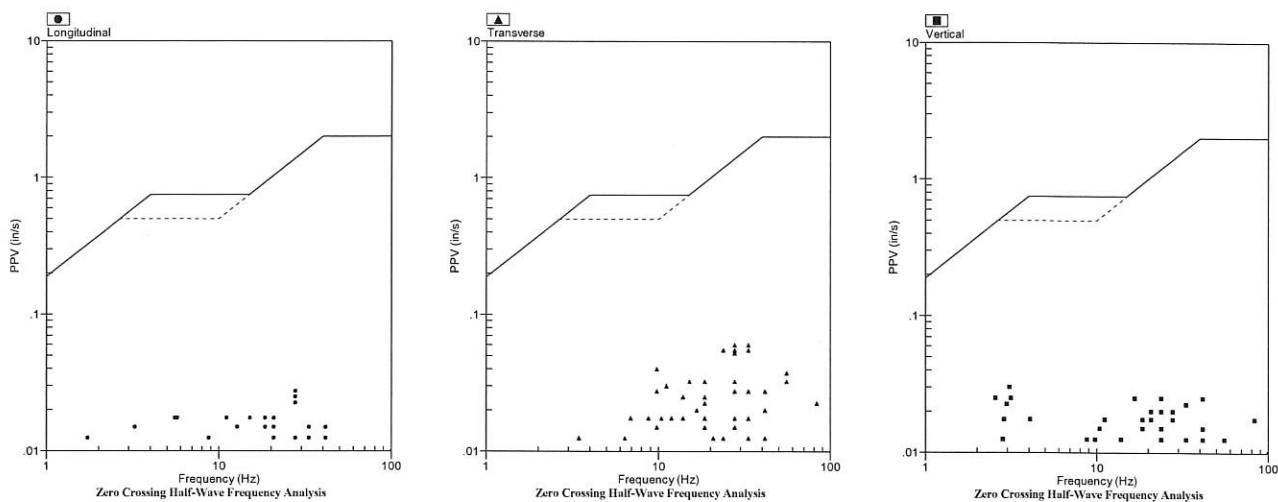
Serial No: 5148 v3.67
Date: 10/28/2020 14:36:15
Event No: 37
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.028	0.060	0.045
FREQ (Hz)	27.8	33.3	33.3
PD (.001")	0.61	0.70	1.65
PPA (g)	0.013	0.033	0.026
Peak Vector Sum:	0.063 in/s		
Peak Air Pressure:	88 db		
	0.00018 PSI @ 9.3 Hz		

Additional Info:

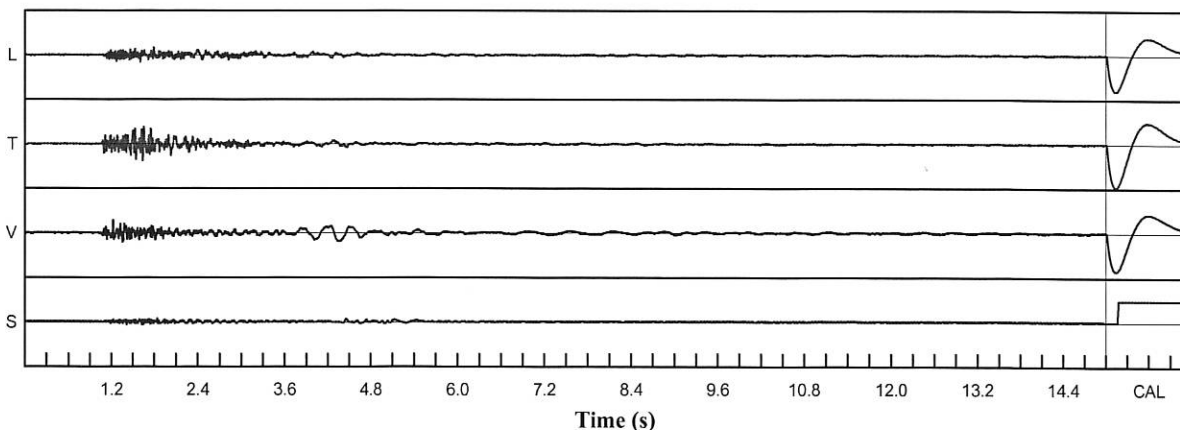
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 37



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

Serial No: 5148 v3.67
Date: 10/29/2020 14:36:12
Event No: 38
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

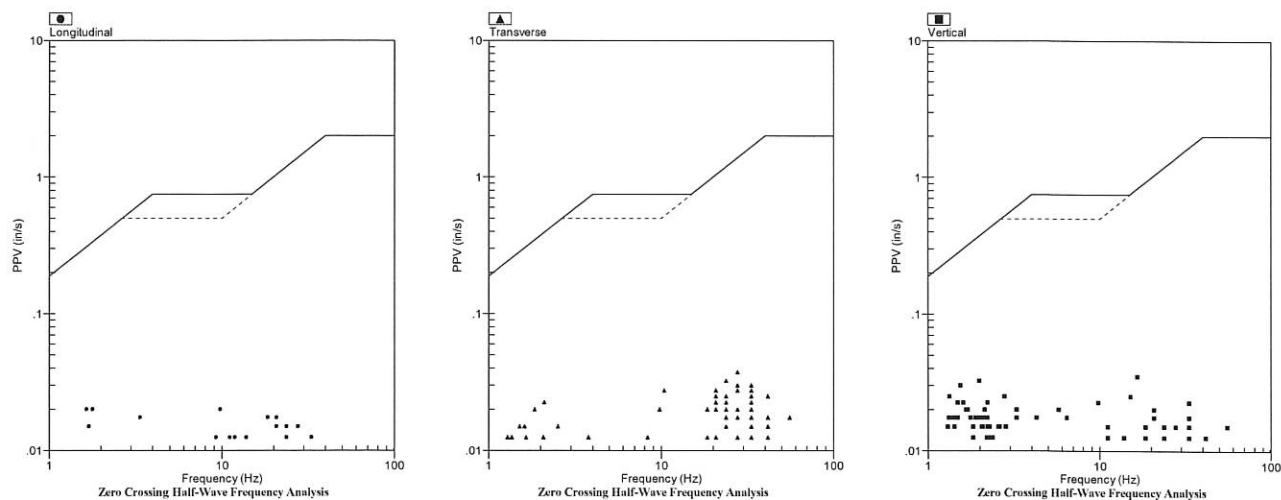
Summary Data

	L	T	V
PPV (in/s)	0.025	0.045	0.035
FREQ (Hz)	27.8	20.8	11.1
PD (.001")	1.53	2.01	2.42
PPA (g)	0.013	0.020	0.013
Peak Vector Sum:	0.053 in/s		
Peak Air Pressure:	91 db		
	0.00025 PSI @ 23.8 Hz		

Additional Info:

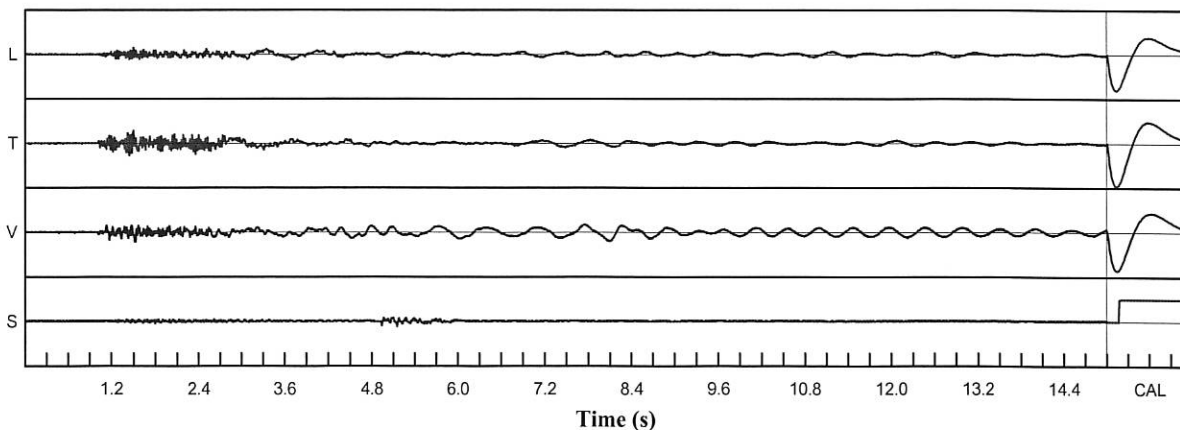
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 38



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

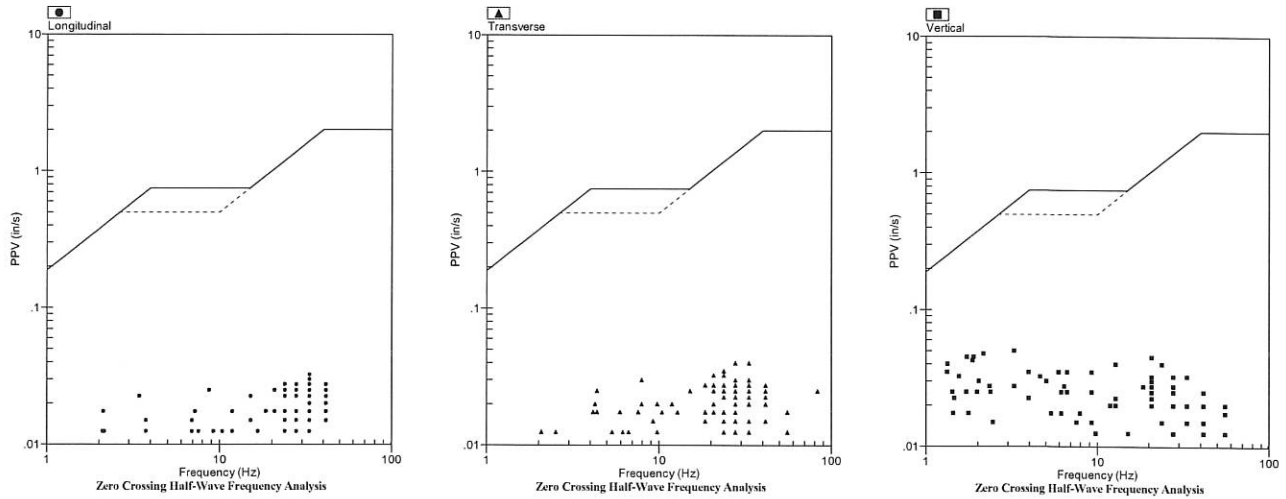
Serial No: 5148 v3.67
Date: 11/03/2020 12:26:45
Event No: 39
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.035	0.045	0.050
FREQ (Hz)	27.8	33.3	3.3
PD (.001")	1.22	0.98	3.82
PPA (g)	0.020	0.026	0.020
Peak Vector Sum:	0.055 in/s		
Peak Air Pressure:	99 db		
	0.00043 PSI @ 7.9 Hz		

Additional Info:

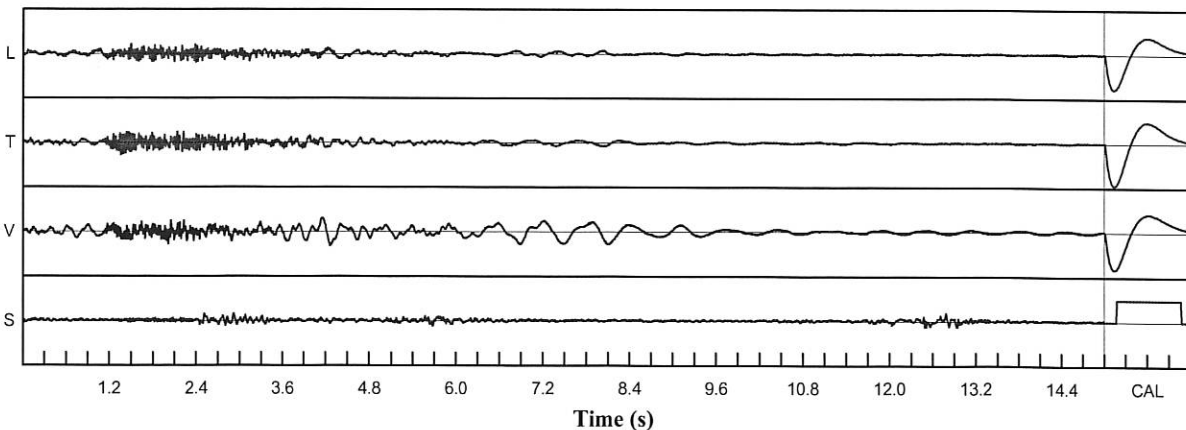
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 39



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

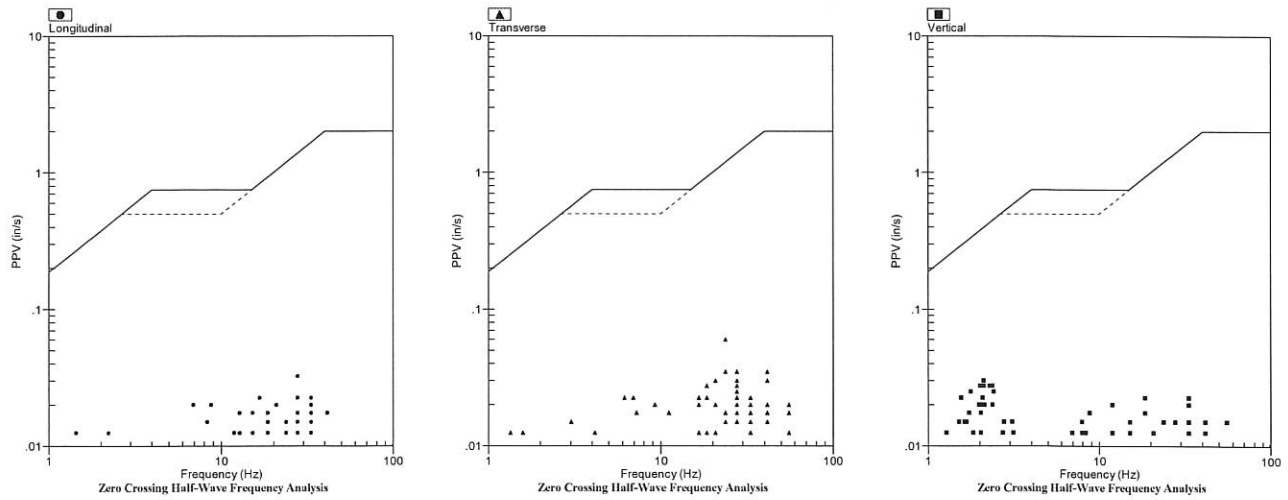
Serial No: 5148 v3.67
Date: 11/04/2020 16:06:43
Event No: 40
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.033	0.060	0.053
FREQ (Hz)	27.8	33.3	27.8
PD (.001")	1.12	1.57	2.30
PPA (g)	0.013	0.039	0.020
Peak Vector Sum:	0.080 in/s		
Peak Air Pressure:	93 db		
	0.00028 PSI @ 3.0 Hz		

Additional Info:

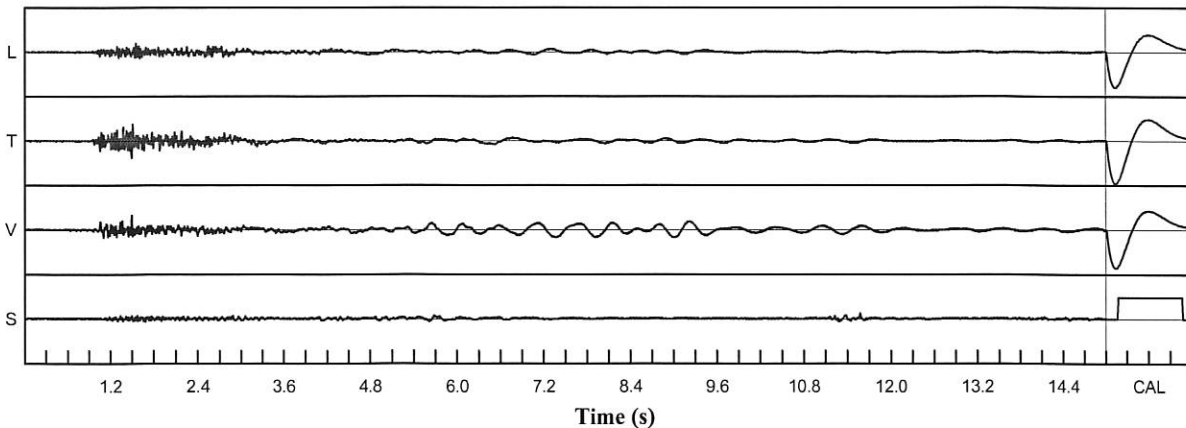
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 40



Velocity Waveform Graph Scale
Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

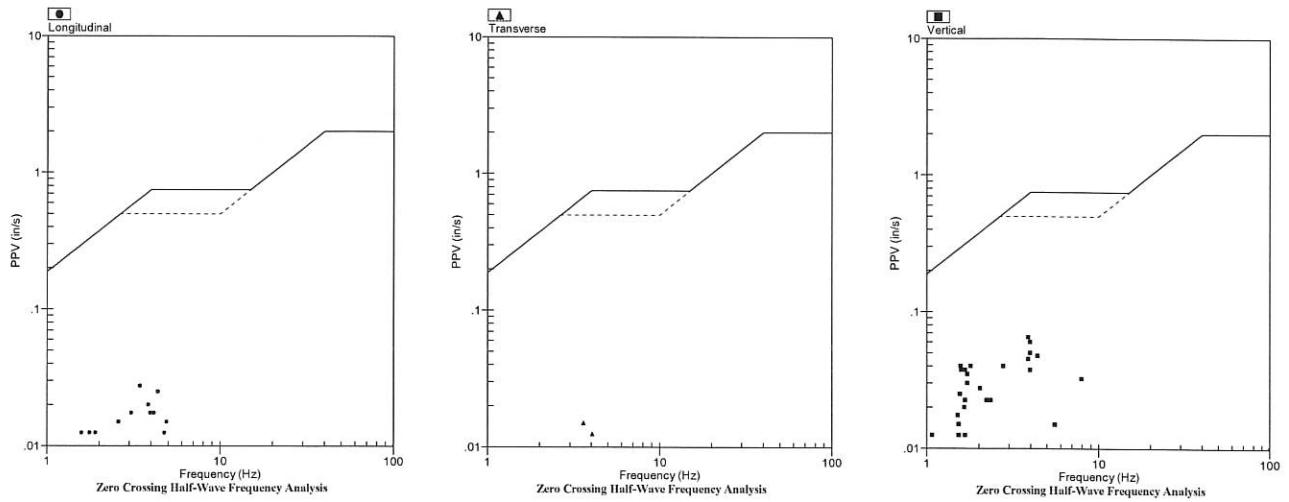
Serial No: 5148 v3.67
Date: 11/05/2020 14:22:03
Event No: 41
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.028	0.030	0.065
FREQ (Hz)	3.5	3.5	3.9
PD (.001")	1.31	1.18	3.78
PPA (g)	0.007	0.007	0.007
Peak Vector Sum:	0.068 in/s		
Peak Air Pressure:	93 db		
	0.00028 PSI @ 3.3 Hz		

Additional Info:

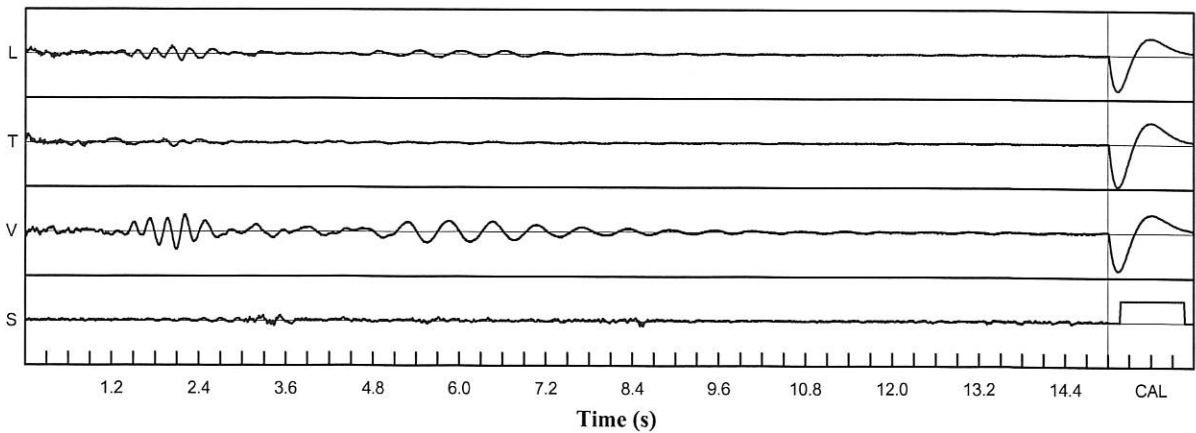
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 41



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

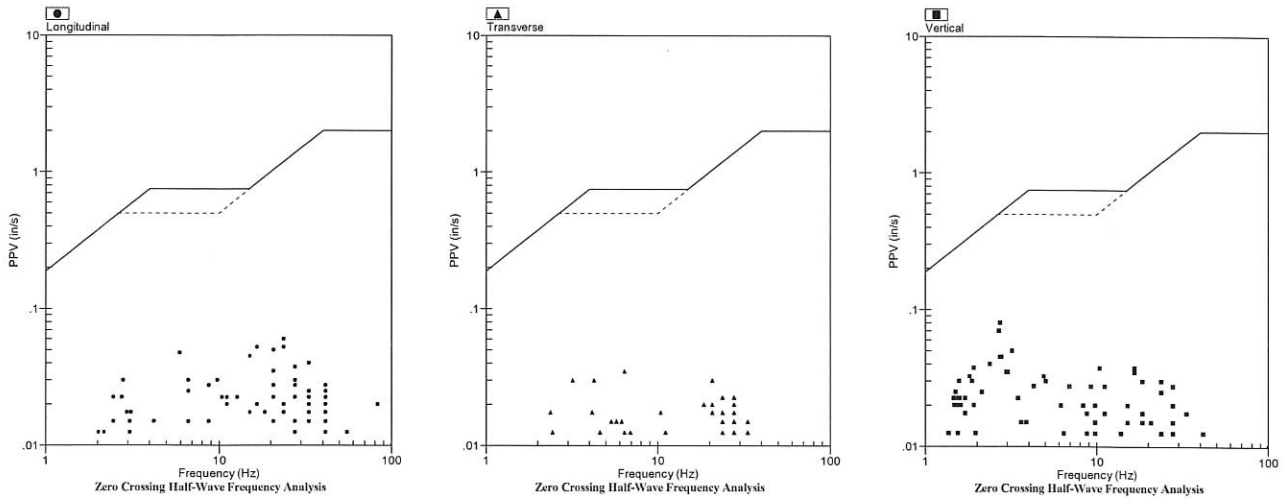
Serial No: 5148 v3.67
Date: 11/06/2020 12:52:06
Event No: 42
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 17040 SW 53 Ct
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.030 in/s

	L	T	V
PPV (in/s)	0.060	0.035	0.080
FREQ (Hz)	23.8	6.4	2.7
PD (.001")	1.60	1.02	4.39
PPA (g)	0.026	0.013	0.020
Peak Vector Sum:	0.080 in/s		
Peak Air Pressure:	93 db		
	0.00028 PSI @ 2.6 Hz		

Additional Info:

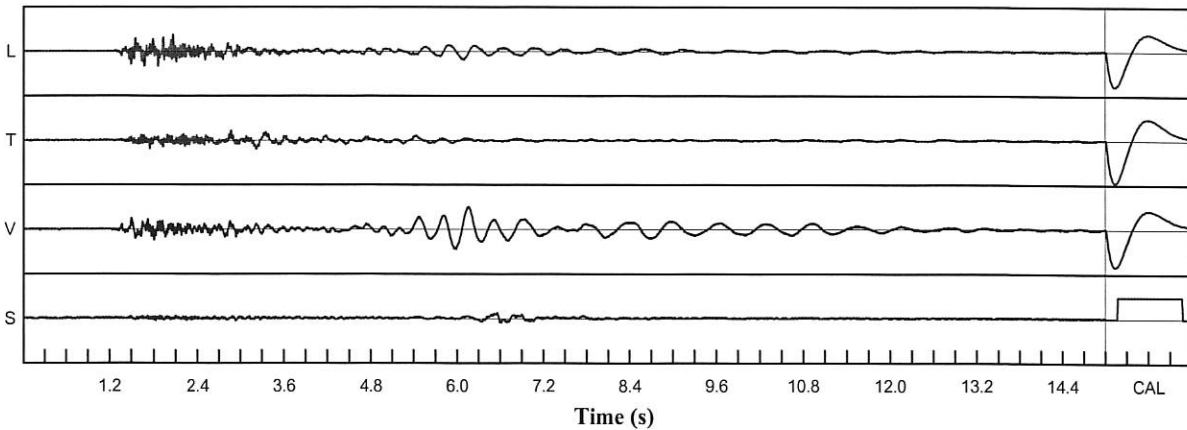
Shaketable Calibrated: 06/30/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5148 Event: 42



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

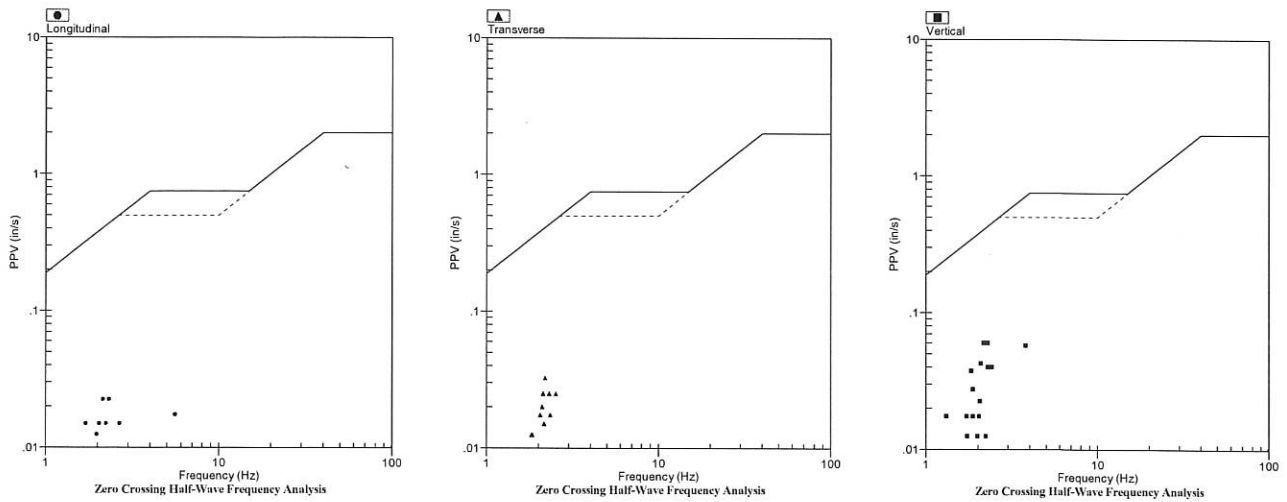
Serial No: 5149 v3.67
Date: 09/09/2020 13:19:36
Event No: 1
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 5276 SW 152 Ave
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.050 in/s

	L	T	V
PPV (in/s)	0.023	0.033	0.060
FREQ (Hz)	2.2	2.2	2.2
PD (.001")	1.59	2.03	4.63
PPA (g)	0.007	0.007	0.007
Peak Vector Sum:		0.063 in/s	
Peak Air Pressure:		102 db	
		0.00039 PSI @ 9.8 Hz	

Additional Info:

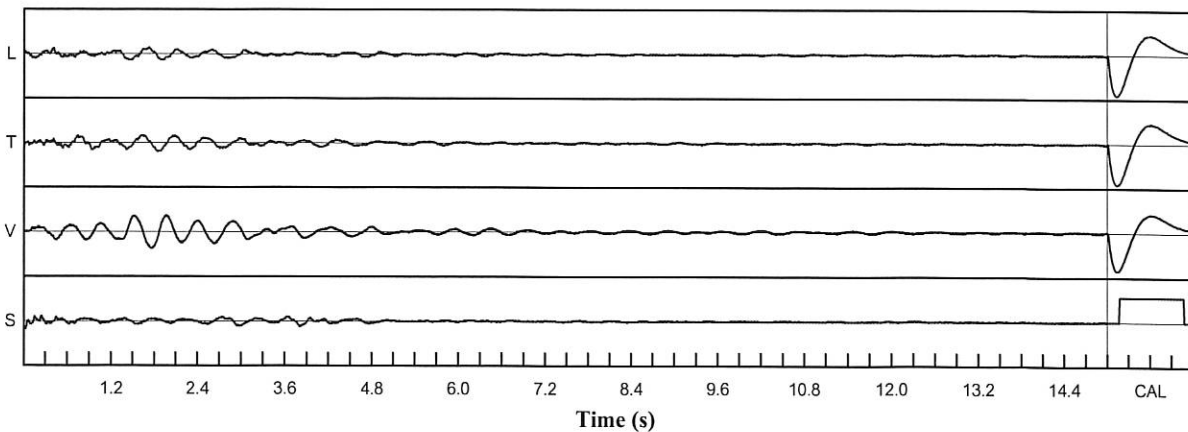
Shaketable Calibrated: 06/05/2020
By: GeoSonics Inc.
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USBM Safe Blasting Levels



Velocity Waveform

SN: 5149 Event: 1



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

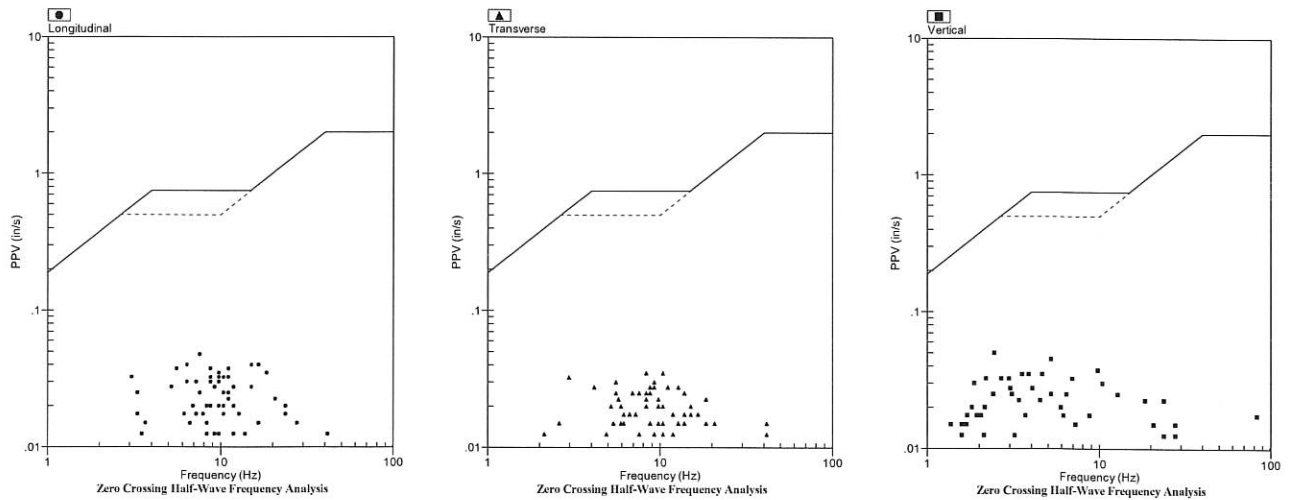
Serial No: 5149 v3.67
Date: 09/17/2020 11:21:24
Event No: 2
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 5276 SW 152 Ave
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.050 in/s

	L	T	V
PPV (in/s)	0.060	0.048	0.050
FREQ (Hz)	9.3	8.8	2.5
PD (.001")	1.36	1.34	2.80
PPA (g)	0.026	0.020	0.013
Peak Vector Sum:	0.073 in/s		
Peak Air Pressure:	103 db		
	0.00050 PSI @ 5.6 Hz		

Additional Info:

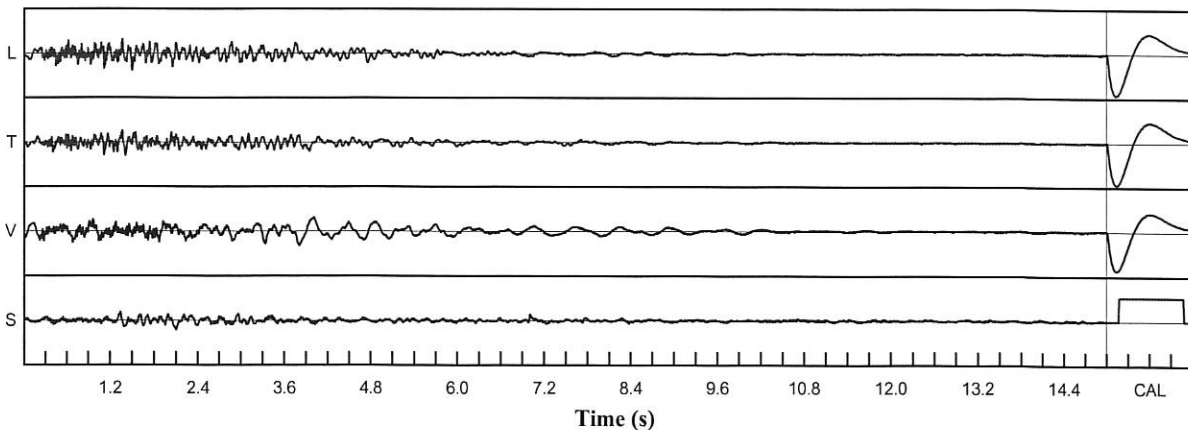
Shaketable Calibrated: 06/05/2020
By: GeoSonics Inc.
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USBM Safe Blasting Levels



Velocity Waveform

SN: 5149 Event: 2



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

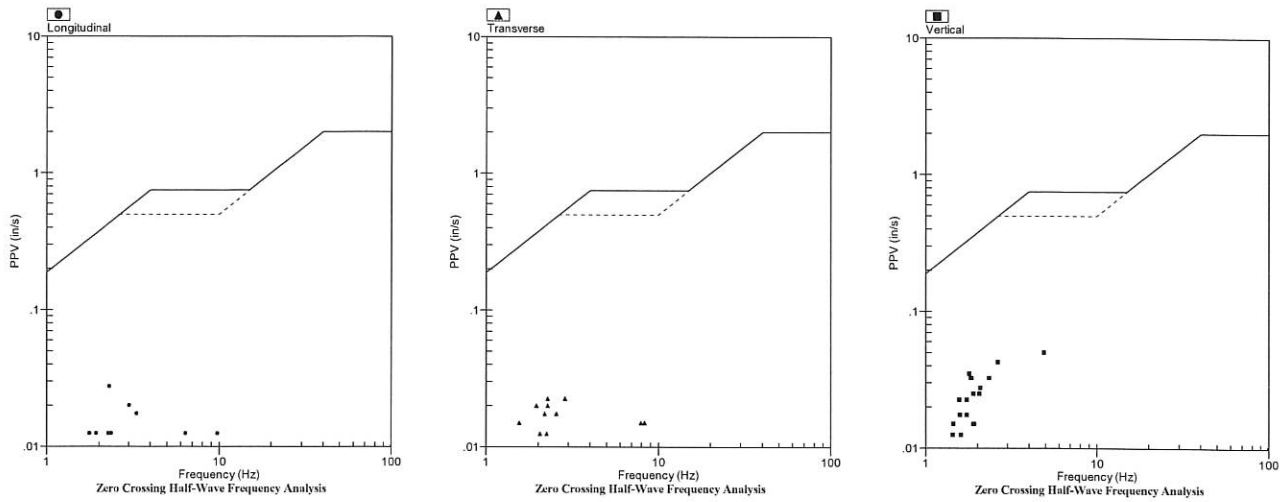
Serial No: 5149 v3.67
Date: 09/21/2020 13:21:16
Event No: 3
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 5276 SW 152 Ave
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.050 in/s

	L	T	V
PPV (in/s)	0.030	0.025	0.050
FREQ (Hz)	6.0	2.3	2.4
PD (.001")	1.16	1.44	3.13
PPA (g)	0.007	0.007	0.007
Peak Vector Sum:	0.053 in/s		
Peak Air Pressure:	95 db		
	0.00023 PSI @ 10.4 Hz		

Additional Info:

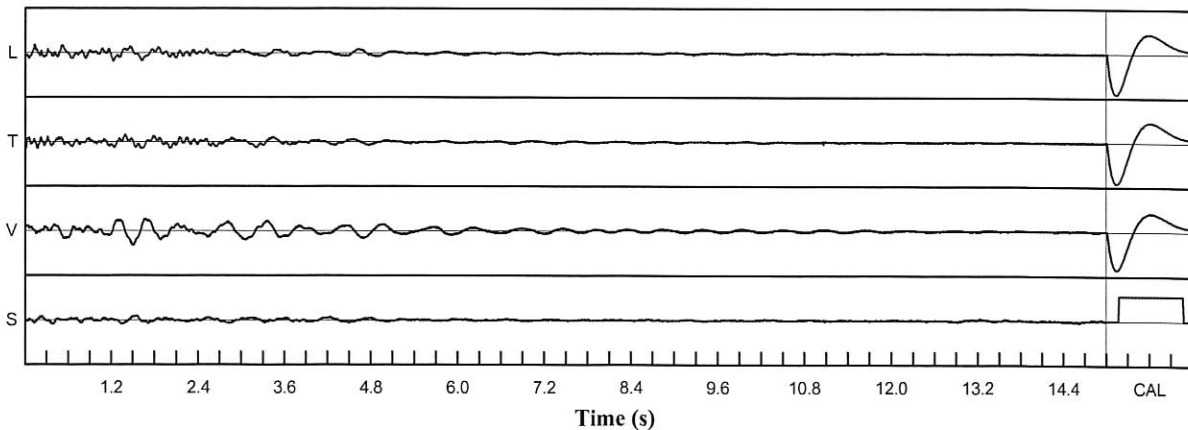
Shaketable Calibrated: 06/05/2020
By: GeoSonics Inc.
 359 Northgate Drive
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 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5149 Event: 3



Velocity Waveform Graph Scale
Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

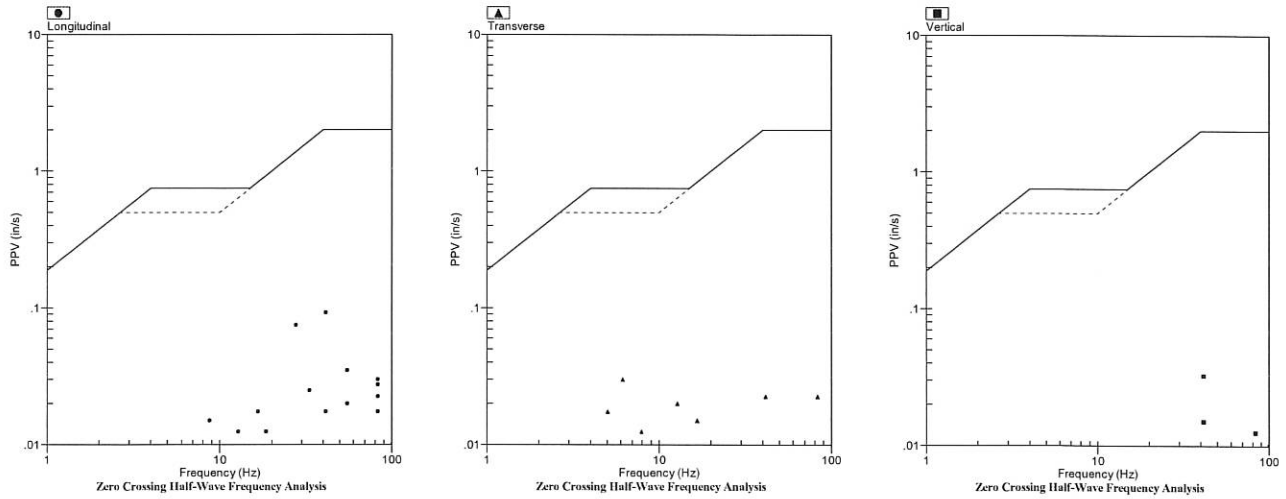
Serial No: 5149 v3.67
Date: 10/01/2020 09:39:23
Event No: 4
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 5276 SW 152 Ave
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.050 in/s

	L	T	V
PPV (in/s)	0.245	0.113	0.060
FREQ (Hz)	83.3	55.6	83.3
PD (.001")	0.68	0.96	0.35
PPA (g)	0.273	0.182	0.085
Peak Vector Sum:	0.265 in/s		
Peak Air Pressure:	94 db		
	0.00021 PSI @ 83.3 Hz		

Additional Info:

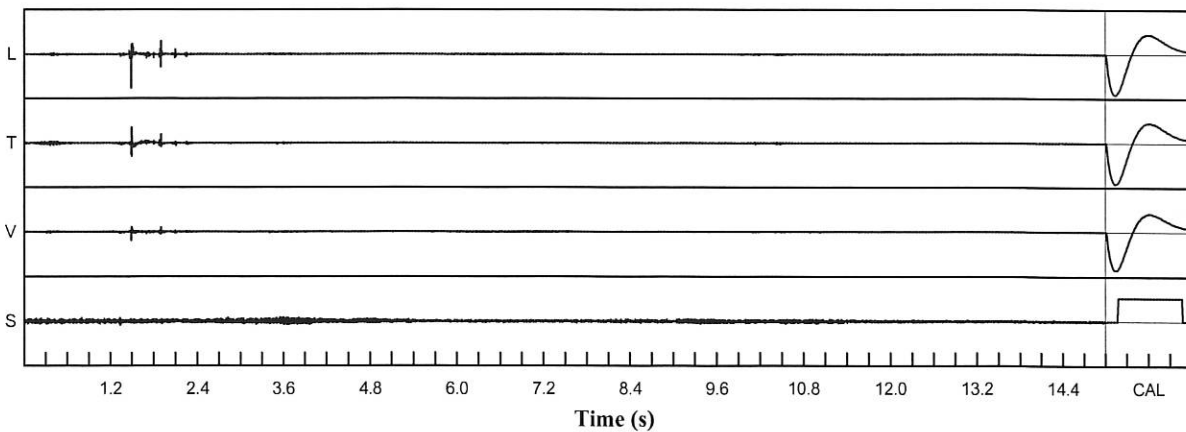
Shaketable Calibrated: 06/05/2020
By: GeoSonics Inc.
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USBM Safe Blasting Levels



Velocity Waveform

SN: 5149 Event: 4



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.320 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

Serial No: 5149 v3.67
Date: 10/05/2020 11:23:53
Event No: 5
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 5276 SW 152 Ave
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.050 in/s

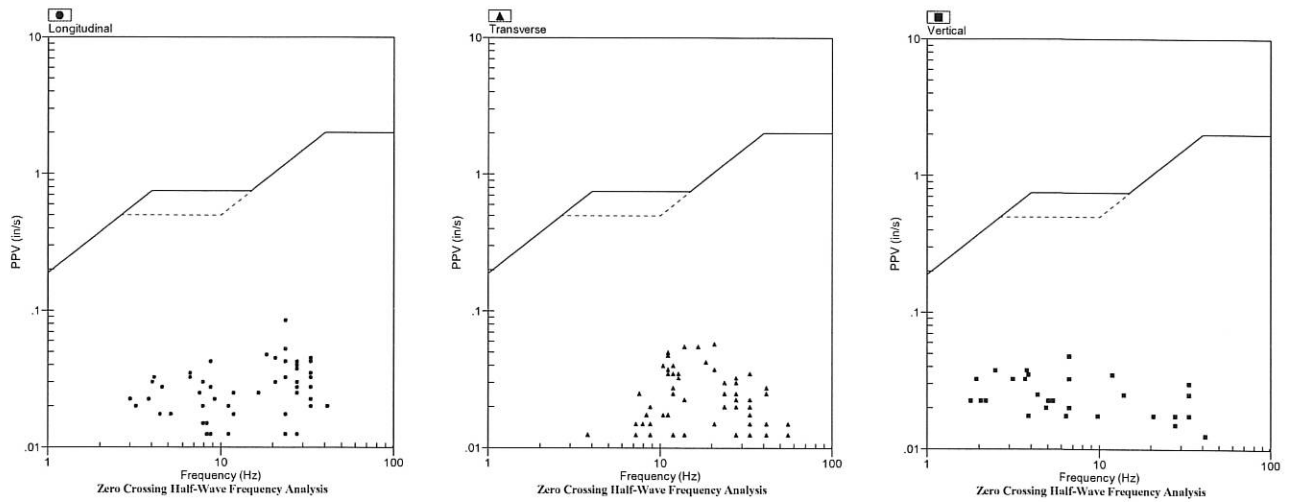
Summary Data

	L	T	V
PPV (in/s)	0.085	0.058	0.068
FREQ (Hz)	23.8	20.8	27.8
PD (.001")	1.37	1.05	2.20
PPA (g)	0.039	0.026	0.026
Peak Vector Sum:	0.090 in/s		
Peak Air Pressure:	105 db		
	0.00057 PSI @ 1.7 Hz		

Additional Info:

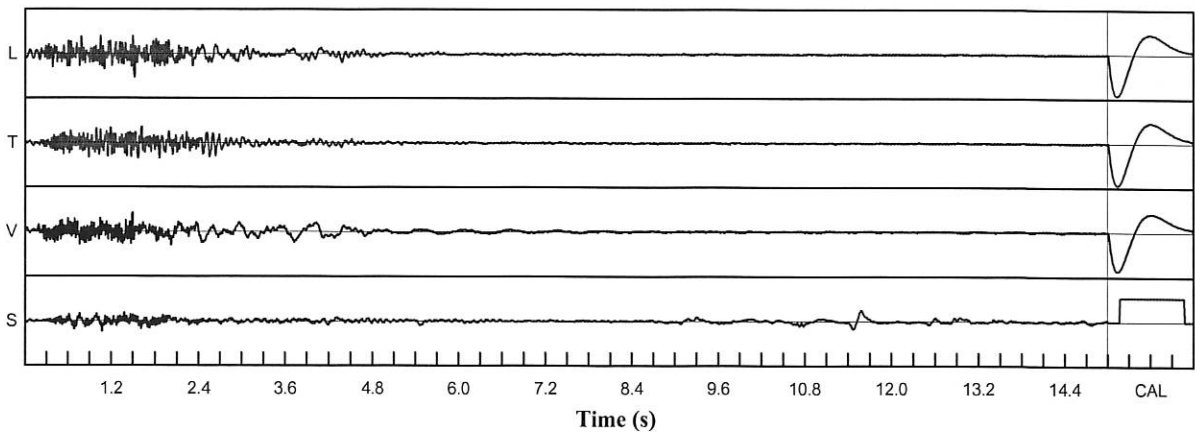
Shaketable Calibrated: 06/05/2020
By: GeoSonics Inc.
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USBM Safe Blasting Levels



Velocity Waveform

SN: 5149 Event: 5



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

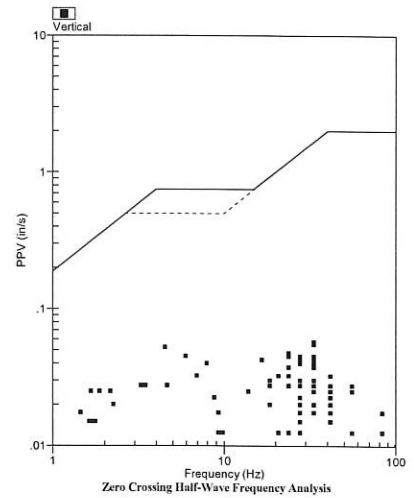
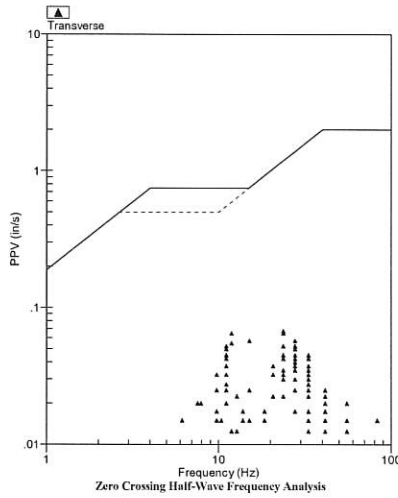
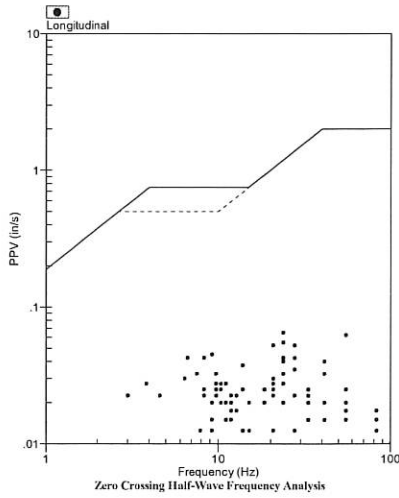
Serial No: 5149 v3.67
Date: 10/07/2020 13:36:48
Event No: 6
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 5276 SW 152 Ave
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.050 in/s

	L	T	V
PPV (in/s)	0.065	0.068	0.068
FREQ (Hz)	23.8	23.8	9.3
PD (.001")	1.64	1.23	2.10
PPA (g)	0.033	0.033	0.033
Peak Vector Sum:	0.085 in/s		
Peak Air Pressure:	106 db		
	0.00066 PSI @ 10.4 Hz		

Additional Info:

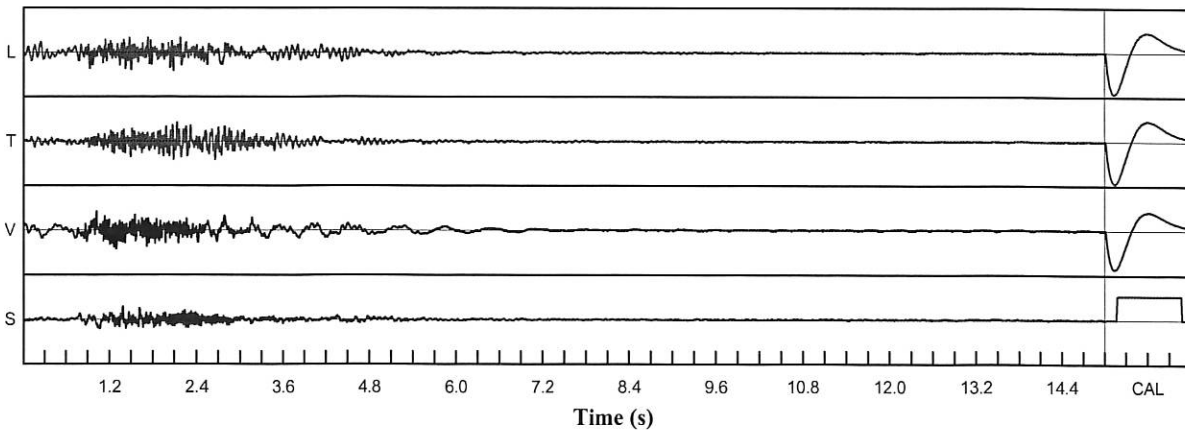
Shaketable Calibrated: 06/05/2020
By: GeoSonics Inc.
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USBM Safe Blasting Levels



Velocity Waveform

SN: 5149 Event: 6



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

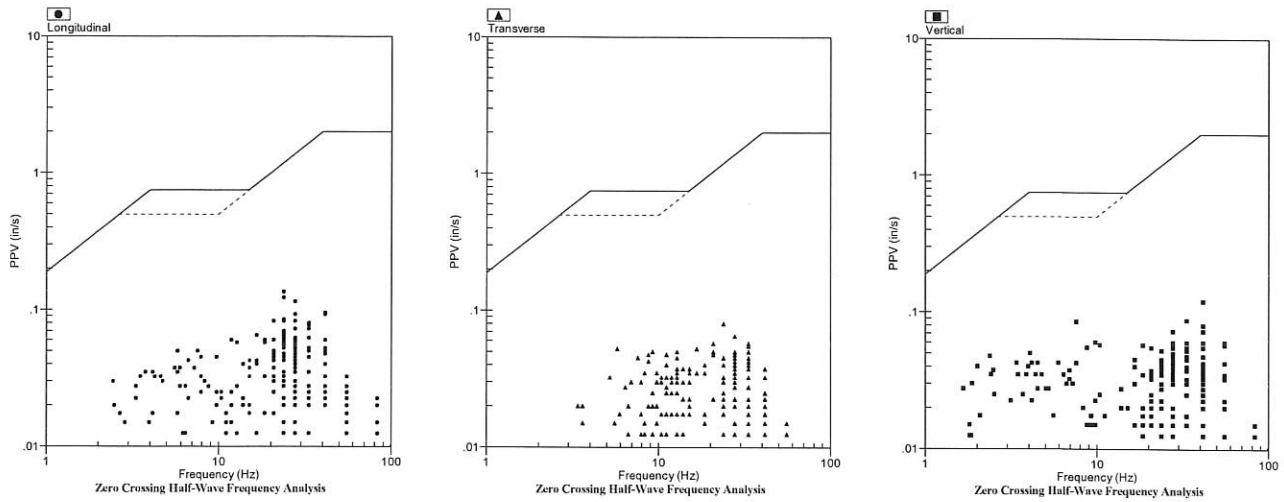
Serial No: 5149 v3.67
Date: 10/12/2020 11:22:12
Event No: 7
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 5276 SW 152 Ave
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.050 in/s

	L	T	V
PPV (in/s)	0.135	0.080	0.120
FREQ (Hz)	23.8	23.8	41.7
PD (.001")	1.73	1.70	2.70
PPA (g)	0.065	0.033	0.065
Peak Vector Sum:	0.143 in/s		
Peak Air Pressure:	103 db		
	0.00048 PSI @ 33.3 Hz		

Additional Info:

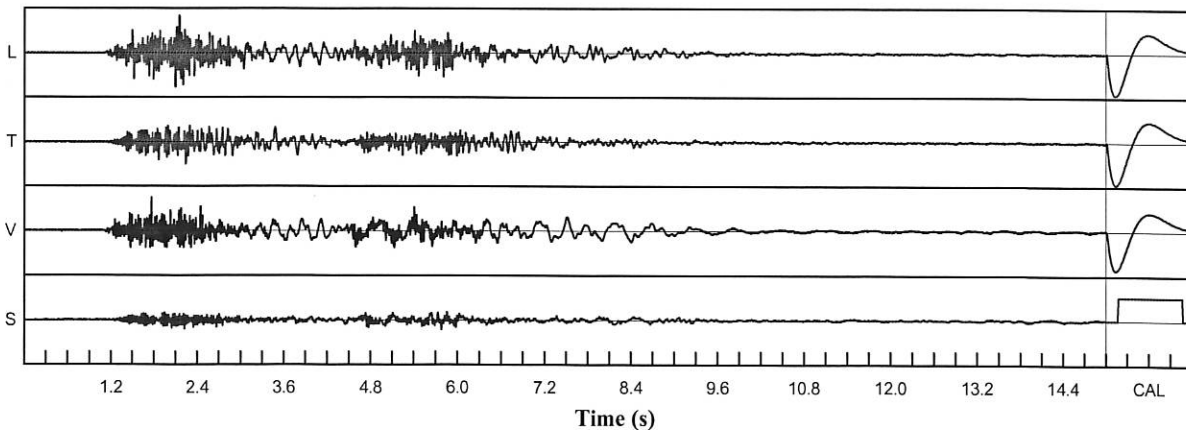
Shaketable Calibrated: 06/05/2020
By: GeoSonics Inc.
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USBM Safe Blasting Levels



Velocity Waveform

SN: 5149 Event: 7



Velocity Waveform Graph Scale
Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

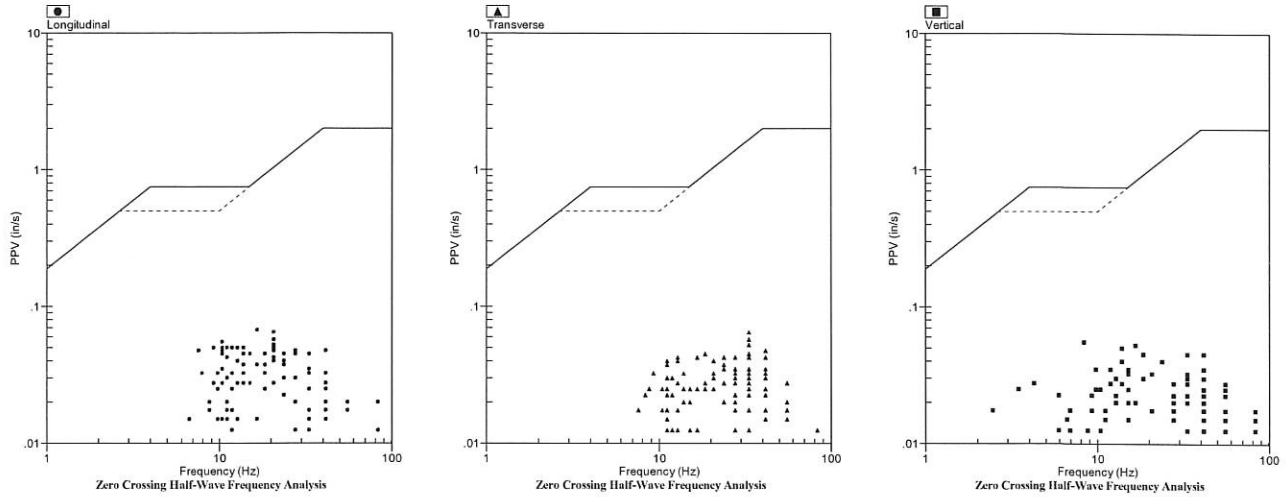
Serial No: 5149 v3.67
Date: 10/14/2020 11:22:09
Event No: 8
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 5276 SW 152 Ave
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.050 in/s

	L	T	V
PPV (in/s)	0.068	0.065	0.063
FREQ (Hz)	16.7	33.3	10.4
PD (.001")	1.39	0.96	2.26
PPA (g)	0.026	0.033	0.026
Peak Vector Sum:	0.083 in/s		
Peak Air Pressure:	100 db		
	0.00030 PSI @ 5.1 Hz		

Additional Info:

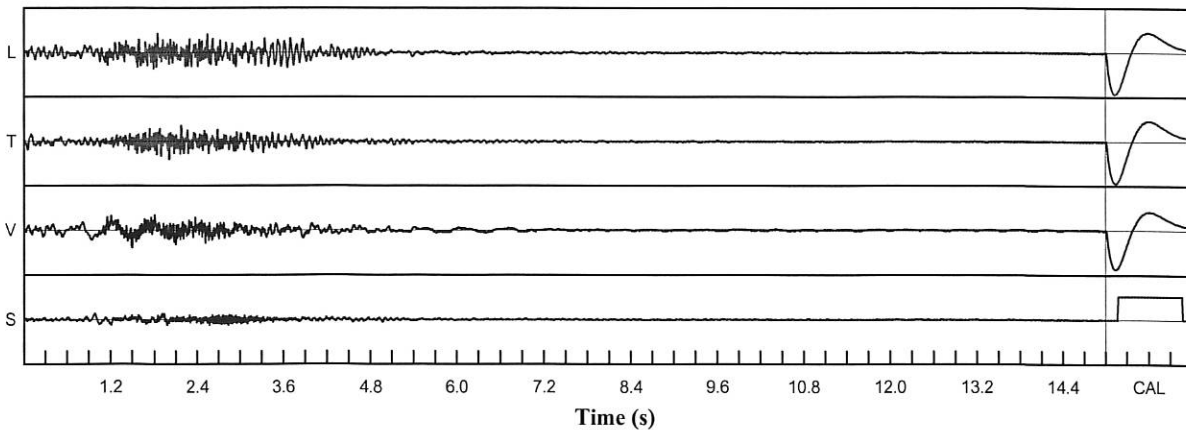
Shaketable Calibrated: 06/05/2020
By: GeoSonics Inc.
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USBM Safe Blasting Levels



Velocity Waveform

SN: 5149 Event: 8



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

Serial No: 5149 v3.67
Date: 10/16/2020 11:22:25
Event No: 9
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 5276 SW 152 Ave
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.050 in/s

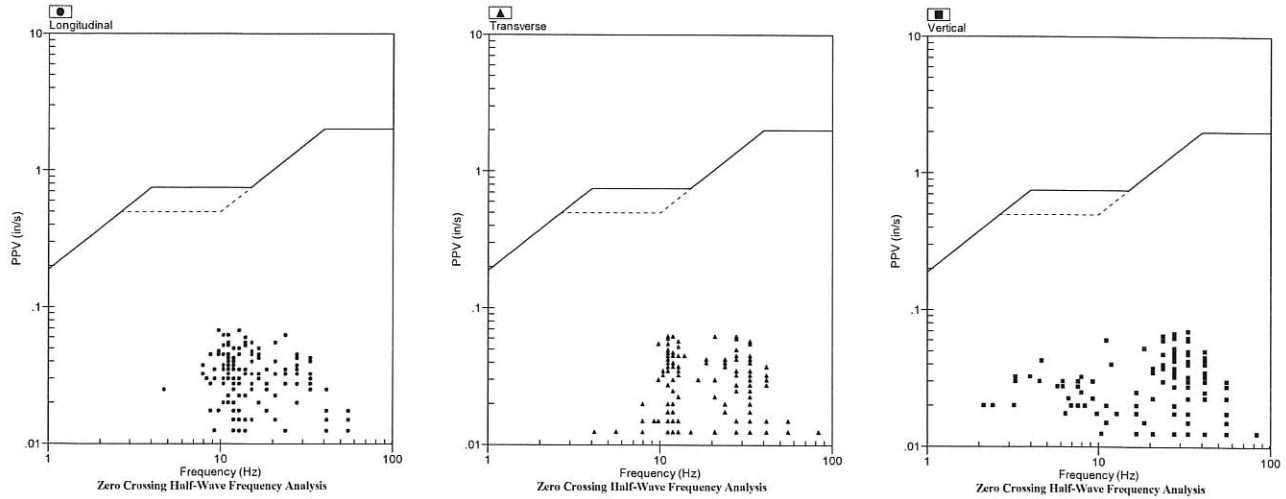
Summary Data

	L	T	V
PPV (in/s)	0.068	0.063	0.070
FREQ (Hz)	9.8	11.1	33.3
PD (.001")	1.51	1.27	1.59
PPA (g)	0.033	0.033	0.039
Peak Vector Sum:	0.095 in/s		
Peak Air Pressure:	104 db		
	0.00053 PSI @ 6.9 Hz		

Additional Info:

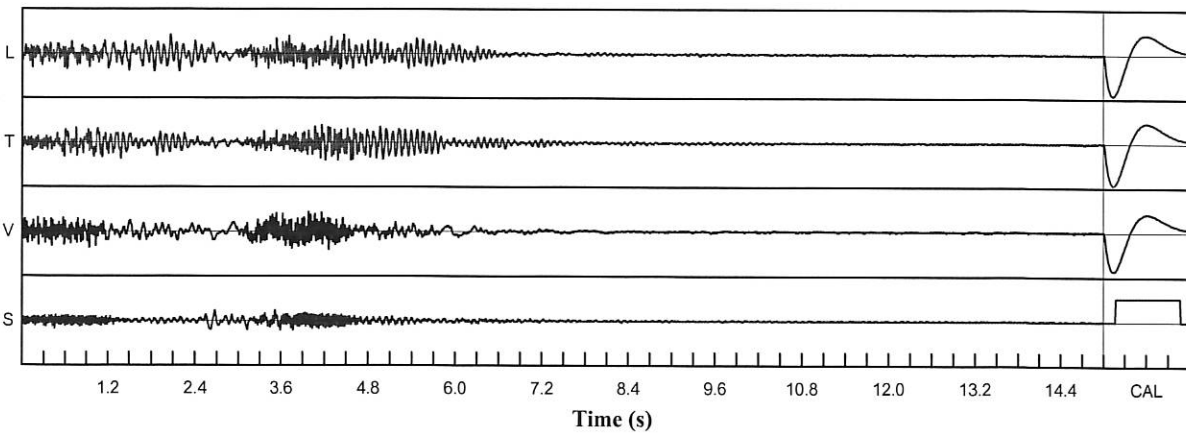
Shaketable Calibrated: 06/05/2020
By: GeoSonics Inc.
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USBM Safe Blasting Levels



Velocity Waveform

SN: 5149 Event: 9



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

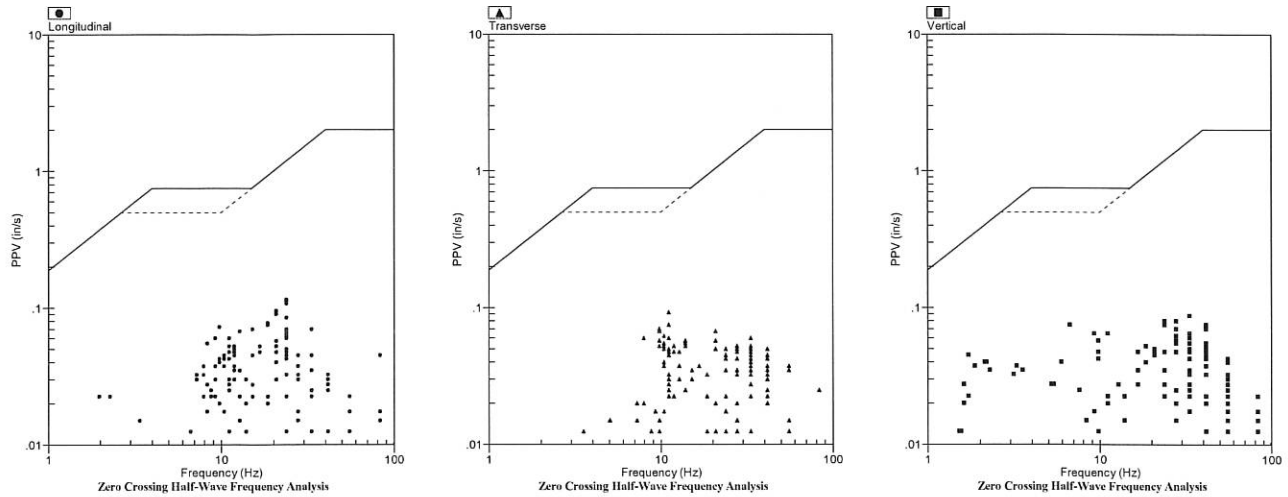
Serial No: 5149 v3.67
Date: 10/21/2020 11:22:44
Event No: 10
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 5276 SW 152 Ave
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.050 in/s

	L	T	V
PPV (in/s)	0.115	0.093	0.088
FREQ (Hz)	23.8	11.1	33.3
PD (.001")	2.11	1.52	3.10
PPA (g)	0.039	0.033	0.052
Peak Vector Sum:	0.125 in/s		
Peak Air Pressure:	105 db		
	0.00057 PSI @ 5.1 Hz		

Additional Info:

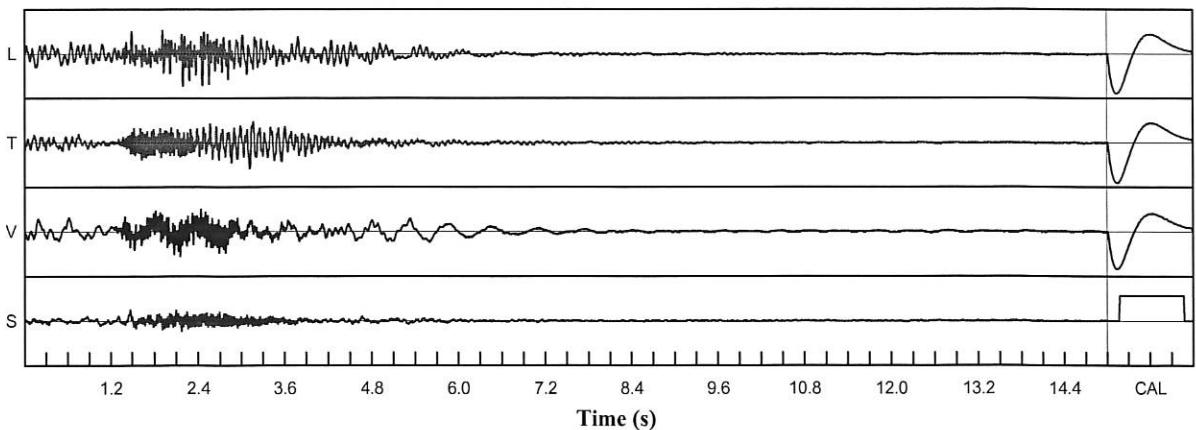
Shaketable Calibrated: 06/05/2020
By: GeoSonics Inc.
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USBM Safe Blasting Levels



Velocity Waveform

SN: 5149 Event: 10



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

Serial No: 5149 v3.67
Date: 10/22/2020 13:22:38
Event No: 11
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 5276 SW 152 Ave
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.050 in/s

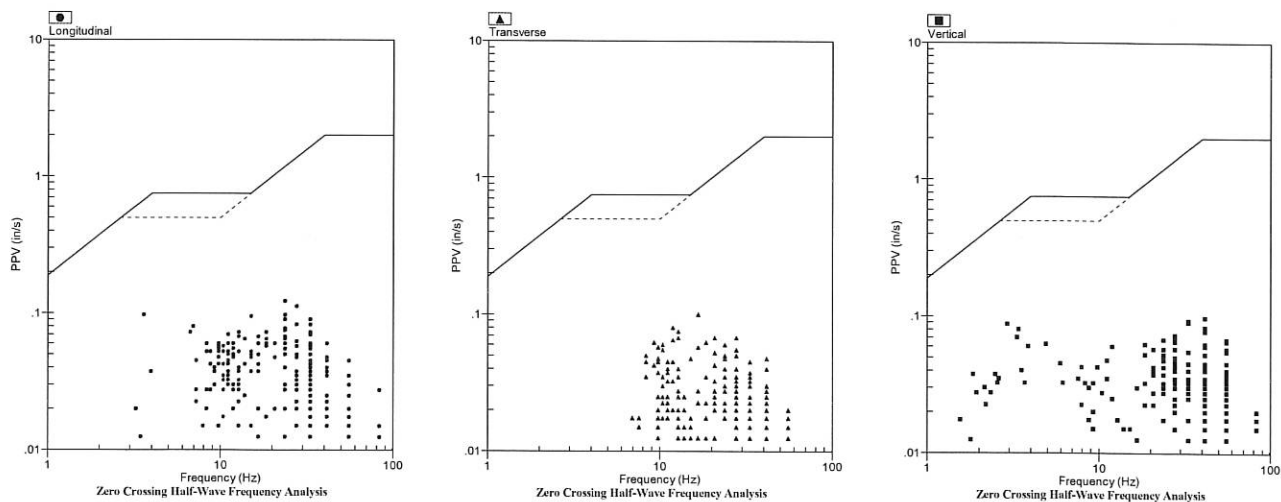
Summary Data

	L	T	V
PPV (in/s)	0.123	0.100	0.098
FREQ (Hz)	23.8	16.7	41.7
PD (.001")	2.91	1.50	3.88
PPA (g)	0.046	0.033	0.065
Peak Vector Sum:	0.133 in/s		
Peak Air Pressure:	105 db		
	0.00057 PSI @ 9.8 Hz		

Additional Info:

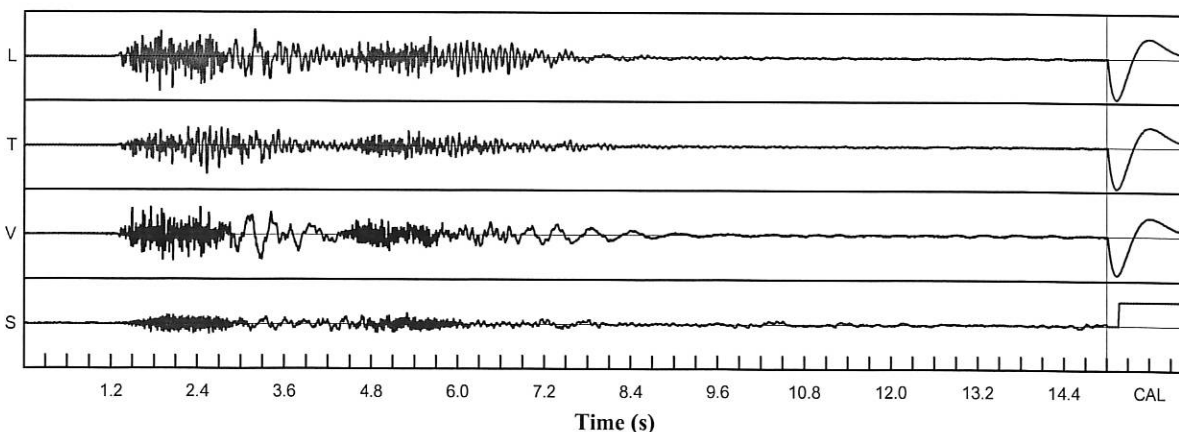
Shaketable Calibrated: 06/05/2020
By: GeoSonics Inc.
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USBM Safe Blasting Levels



Velocity Waveform

SN: 5149 Event: 11



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

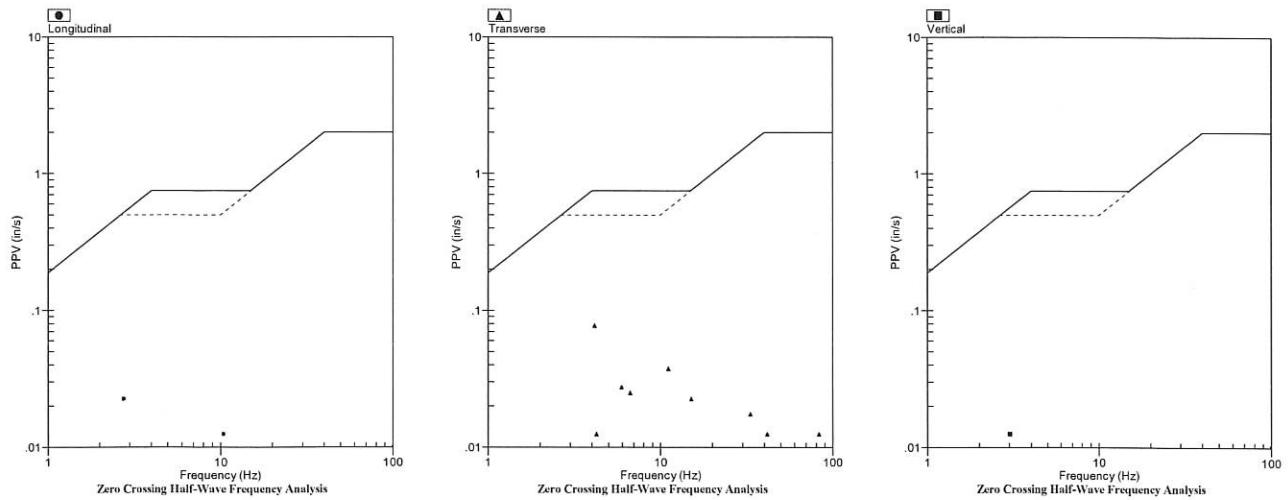
Serial No: 5149 v3.67
Date: 11/02/2020 15:01:00
Event No: 12
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 5276 SW 152 Ave
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.050 in/s

	L	T	V
PPV (in/s)	0.040	0.085	0.030
FREQ (Hz)	5.1	3.0	4.9
PD (.001")	1.18	3.47	0.63
PPA (g)	0.020	0.033	0.013
Peak Vector Sum:	0.085 in/s		
Peak Air Pressure:	107 db		
	0.00070 PSI @ 166.7 Hz		

Additional Info:

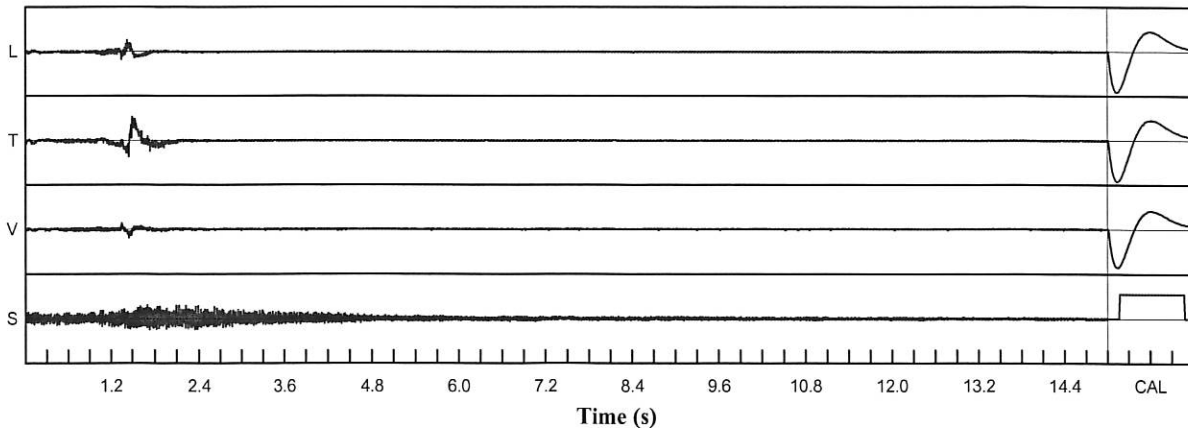
Shaketable Calibrated: 06/05/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5149 Event: 12



Velocity Waveform Graph Scale
Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI

GeoSonics Inc. Seismic Analysis

USBM/Velocity Waveform Report

Serial No: 5149 v3.67
Date: 11/03/2020 12:28:37
Event No: 13
Record Time: 15.0 s
Client: City of Miramar
Operation: White Rock Quarries
Location: 5276 SW 152 Ave
Distance:
Operator: Roy A
Comment: In Ground
Seismic Trigger: 0.050 in/s

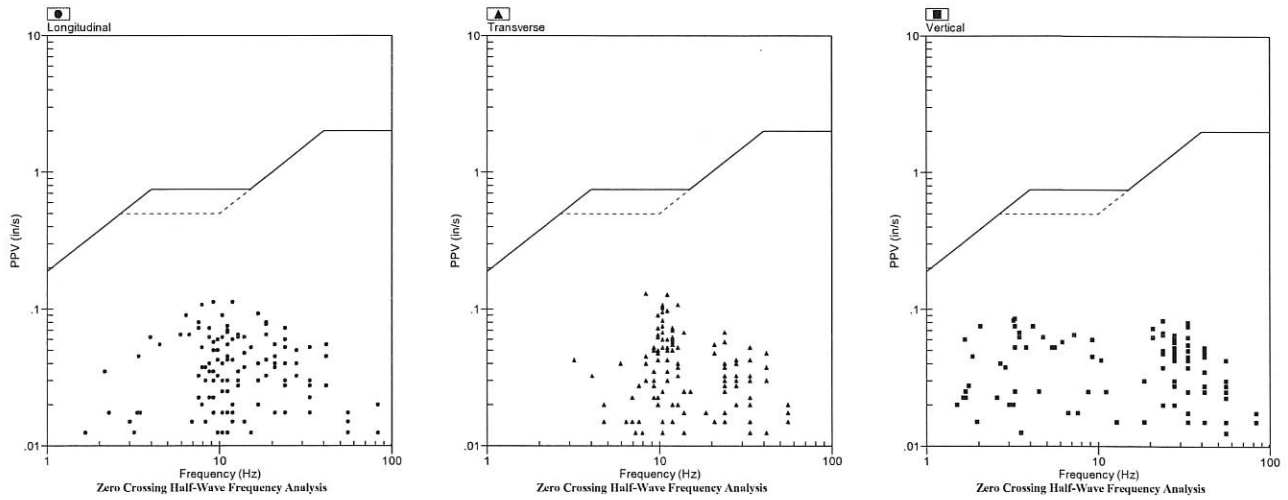
Summary Data

	L	T	V
PPV (in/s)	0.113	0.130	0.085
FREQ (Hz)	11.9	8.3	3.3
PD (.001")	3.57	1.94	4.79
PPA (g)	0.046	0.046	0.046
Peak Vector Sum:	0.148 in/s		
Peak Air Pressure:	103 db		
	0.00050 PSI @ 3.4 Hz		

Additional Info:

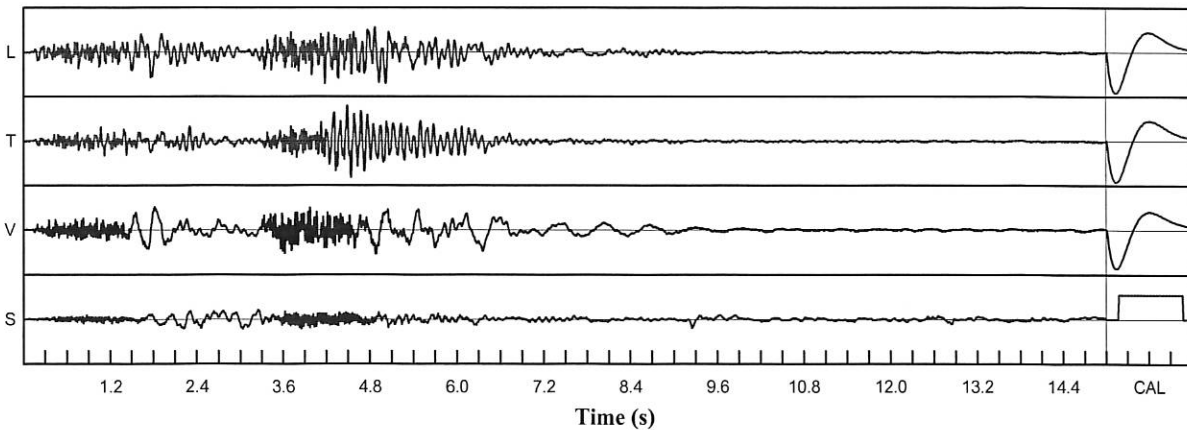
Shaketable Calibrated: 06/05/2020
By: GeoSonics Inc.
 359 Northgate Drive
 Warrendale, PA 15086 U.S.A.
 TEL: 724.934.2900 FAX: 724.934.2999

USBM Safe Blasting Levels



Velocity Waveform

SN: 5149 Event: 13



Velocity Waveform Graph Scale

Time Scale: 0.300 s
Seismic Scale: +/- 0.160 in/s
Sound Scale: +/- 0.0023 PSI