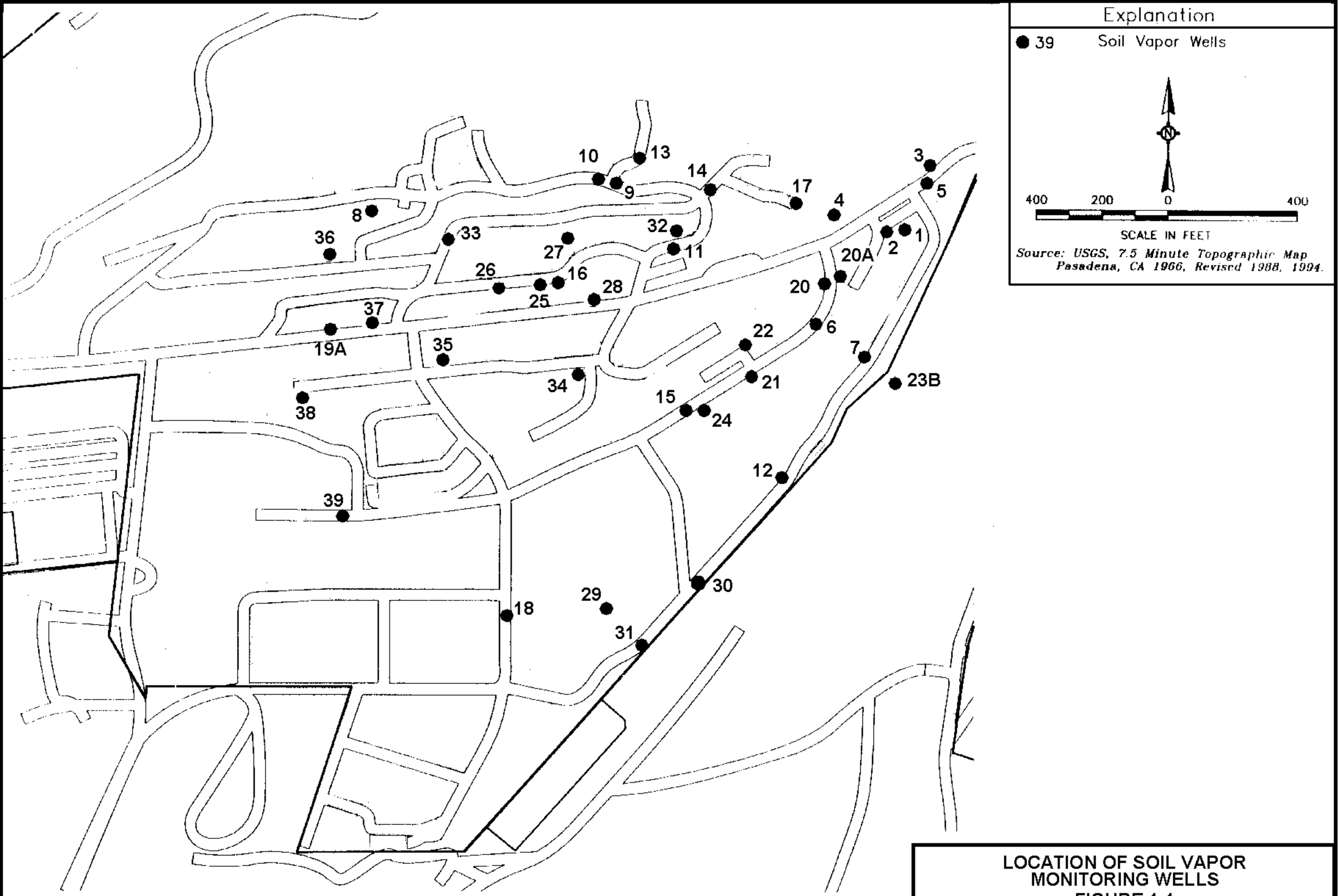
FIGURES



LOCATION OF SOIL VAPOR MONITORING WELLS
FIGURE 1-1

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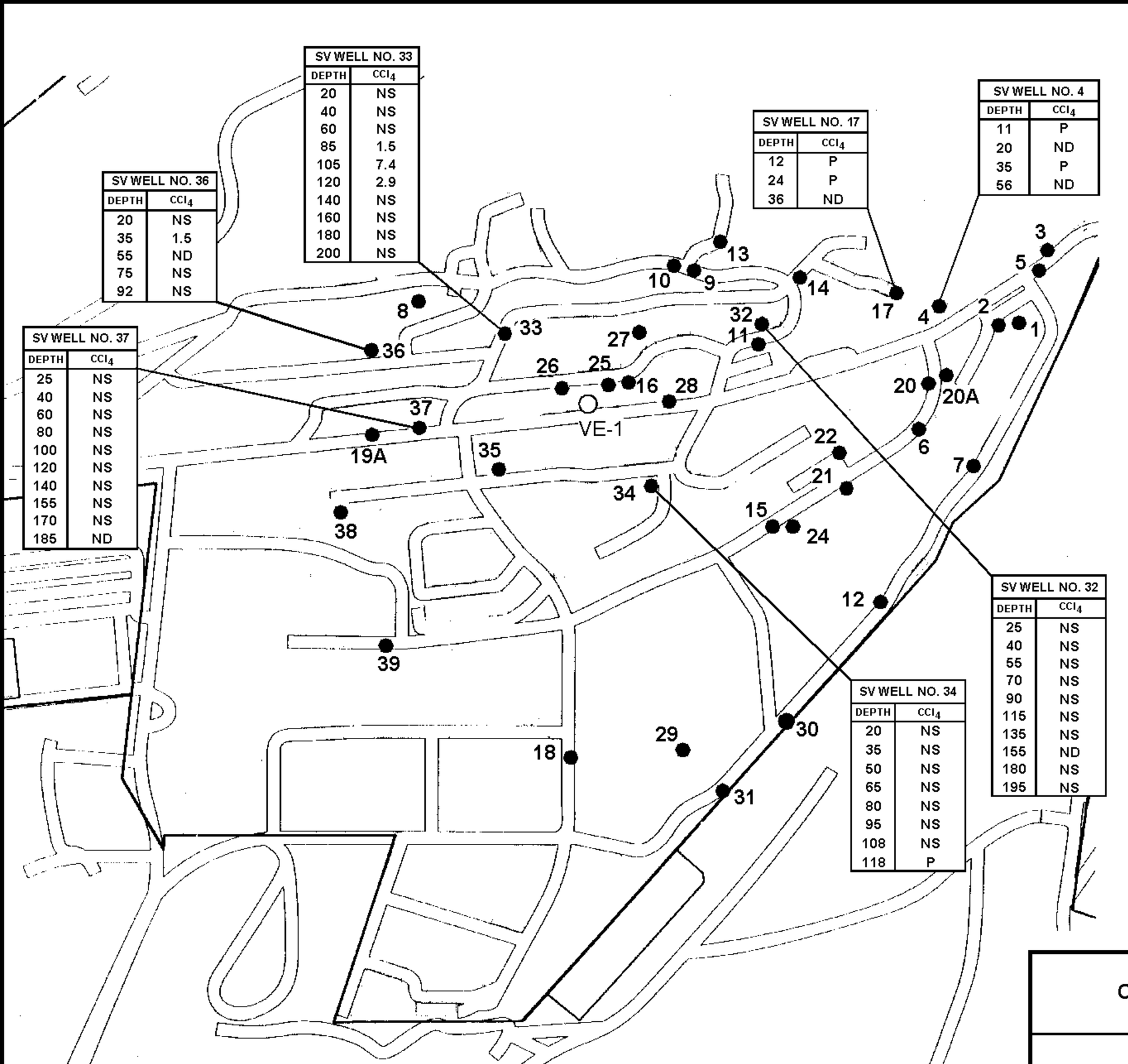

SV WELL NO. 33	
DEPTH	CCl_4
20	NS
40	NS
60	NS
85	1.5
105	7.4
120	2.9
140	NS
160	NS
180	NS
200	NS

SV WELL NO. 36	
DEPTH	CCl_4
20	NS
35	1.5
55	ND
75	NS
92	NS

SV WELL NO. 37	
DEPTH	CCl_4
25	NS
40	NS
60	NS
80	NS
100	NS
120	NS
140	NS
155	NS
170	NS
185	ND

SV WELL NO. 17	
DEPTH	CCl_4
12	P
24	P
36	ND

SV WELL NO. 4	
DEPTH	CCl_4
11	P
20	ND
35	P
56	ND

SV WELL NO. 32	
DEPTH	CCl_4
25	NS
40	NS
55	NS
70	NS
90	NS
115	NS
135	NS
155	ND
180	NS
195	NS

SV WELL NO. 34	
DEPTH	CCl_4
20	NS
35	NS
50	NS
65	NS
80	NS
95	NS
108	NS
118	P

Explanation

● 39	Soil Vapor Wells Sampled
○ VE-1	Vapor Extraction Well
CCl_4	Carbon Tetrachloride
ND	Non-Detect @ Laboratory Detection Limit of 1.0 μg/L-Vapor
P	Sample Port Plugged: No Sample Collected
NS	Not Sampled at that Depth

NOTE:

Concentrations in μg/L-Vapor

400 200 0 400

SCALE IN FEET

Source: USGS, 7.5 Minute Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

CARBON TETRACHLORIDE CONCENTRATIONS AT DEPTH
FIGURE 3-1

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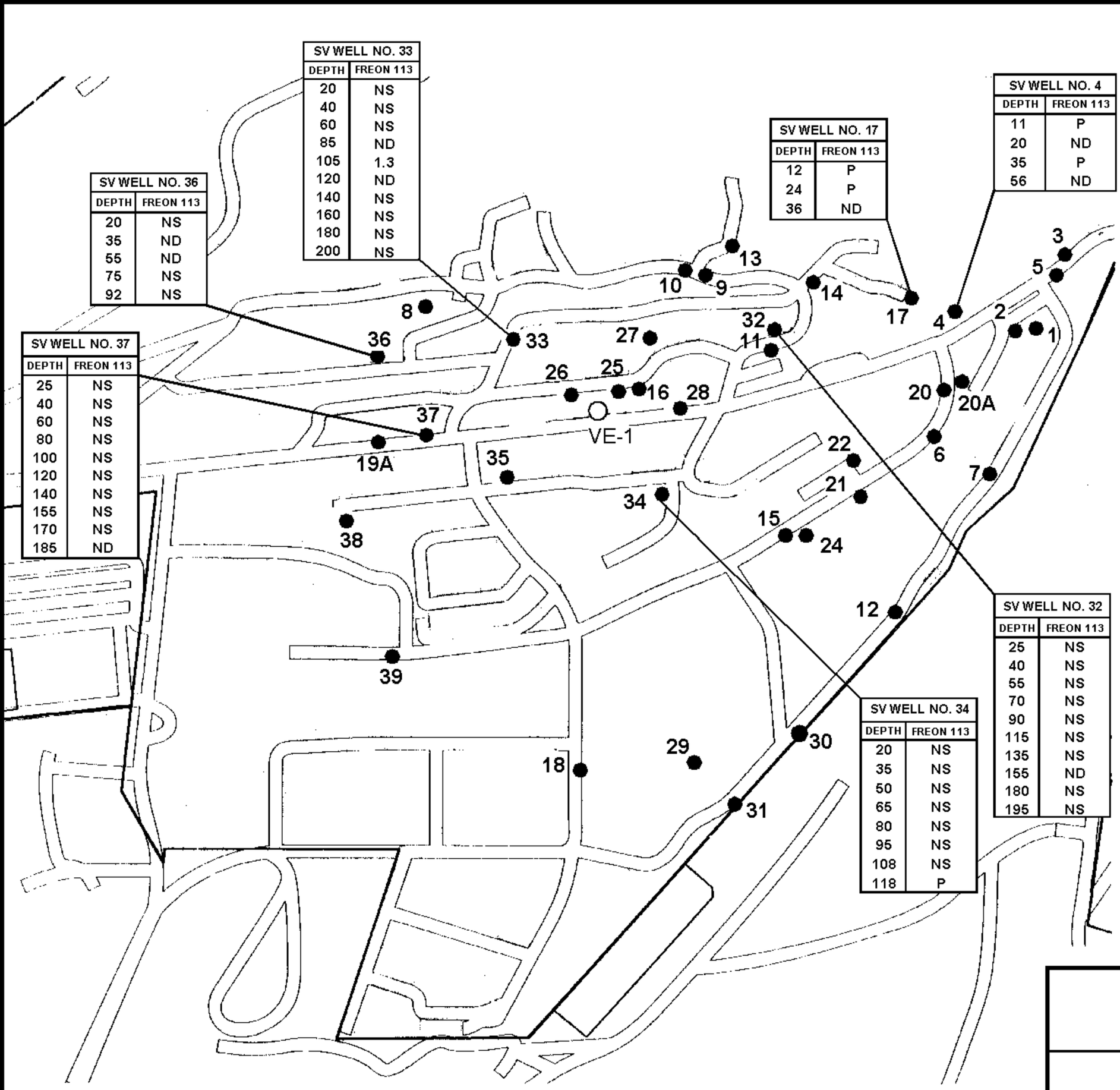

SV WELL NO. 33	
DEPTH	FREON 113
20	NS
40	NS
60	NS
85	ND
105	1.3
120	ND
140	NS
160	NS
180	NS
200	NS

SV WELL NO. 36	
DEPTH	FREON 113
20	NS
35	ND
55	ND
75	NS
92	NS

SV WELL NO. 37	
DEPTH	FREON 113
25	NS
40	NS
60	NS
80	NS
100	NS
120	NS
140	NS
155	NS
170	NS
185	ND

SV WELL NO. 17	
DEPTH	FREON 113
12	P
24	P
36	ND

SV WELL NO. 4	
DEPTH	FREON 113
11	P
20	ND
35	P
56	ND

SV WELL NO. 32	
DEPTH	FREON 113
25	NS
40	NS
55	NS
70	NS
90	NS
115	NS
135	NS
155	ND
180	NS
195	NS

SV WELL NO. 34	
DEPTH	FREON 113
20	NS
35	NS
50	NS
65	NS
80	NS
95	NS
108	NS
118	P

Explanation

● 39	Soil Vapor Wells Sampled
○ VE-1	Vapor Extraction Well
F-113:	FREON 113
ND	Non-Detect @ Laboratory Detection Limit of 1.0 μg/L-Vapor
P	Sample Port Plugged: No Sample Collected
NS	Not Sampled at that Depth

NOTE:

Concentrations in μg/L-Vapor

400 200 0 400

SCALE IN FEET

Source: USGS, 7.5 Minute Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FREON 113 CONCENTRATIONS AT DEPTH
FIGURE 3-2

Jet Propulsion Laboratory
Pasadena, California

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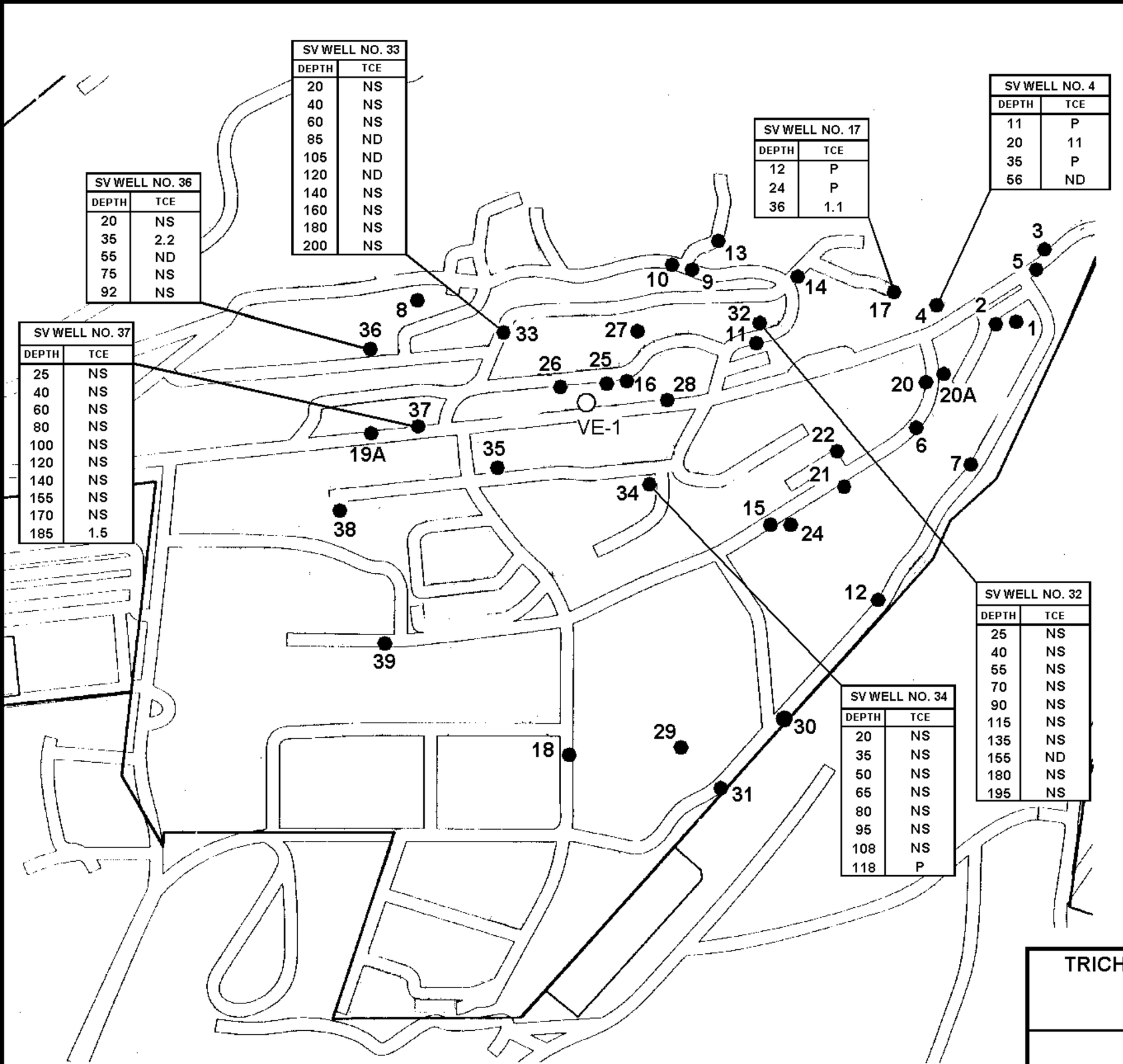

SV WELL NO. 33	
DEPTH	TCE
20	NS
40	NS
60	NS
85	ND
105	ND
120	ND
140	NS
160	NS
180	NS
200	NS

SV WELL NO. 36	
DEPTH	TCE
20	NS
35	2.2
55	ND
75	NS
92	NS

SV WELL NO. 37	
DEPTH	TCE
25	NS
40	NS
60	NS
80	NS
100	NS
120	NS
140	NS
155	NS
170	NS
185	1.5

SV WELL NO. 17	
DEPTH	TCE
12	P
24	P
36	1.1

SV WELL NO. 4	
DEPTH	TCE
11	P
20	11
35	P
56	ND

SV WELL NO. 32	
DEPTH	TCE
25	NS
40	NS
55	NS
70	NS
90	NS
115	NS
135	NS
155	ND
180	NS
195	NS

SV WELL NO. 34	
DEPTH	TCE
20	NS
35	NS
50	NS
65	NS
80	NS
95	NS
108	NS
118	P

Explanation

● 39	Soil Vapor Wells Sampled
○ VE-1	Vapor Extraction Well
TCE:	TRICHLOROETHENE
ND	Non-Detect @ Laboratory Detection Limit of 1.0 μg/L-Vapor
P	Sample Port Plugged: No Sample Collected
NS	Not Sampled at that Depth

NOTE:

Concentrations in μg/L-Vapor

400 200 0 400

SCALE IN FEET

Source: USGS, 7.5 Minute Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

TRICHLOROETHENE CONCENTRATIONS AT DEPTH

FIGURE 3-3

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Pasadena, California

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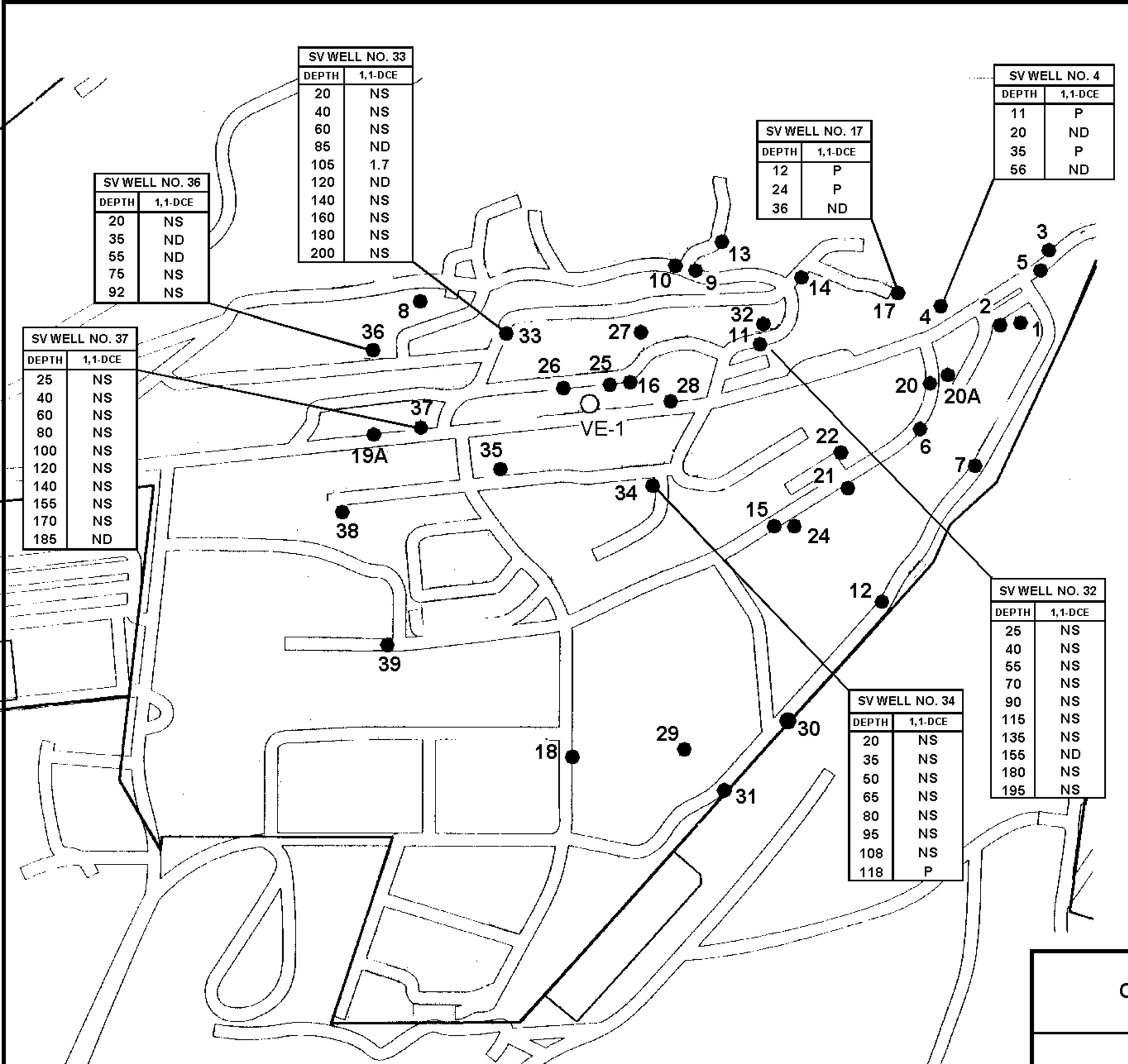
Date: July, 2002
Contract No.: N68711-97-D-8702
DO No.: 0048



SV WELL NO. 33	
DEPTH	1,1-DCE
20	NS
40	NS
60	NS
85	ND
105	1.7
120	ND
140	NS
160	NS
180	NS
200	NS

SV WELL NO. 36	
DEPTH	1,1-DCE
20	NS
35	ND
55	ND
75	NS
92	NS

SV WELL NO. 37	
DEPTH	1,1-DCE
25	NS
40	NS
60	NS
80	NS
100	NS
120	NS
140	NS
155	NS
170	NS
185	ND

SV WELL NO. 17	
DEPTH	1,1-DCE
12	P
24	P
36	ND

SV WELL NO. 4	
DEPTH	1,1-DCE
11	P
20	ND
35	P
56	ND

SV WELL NO. 32	
DEPTH	1,1-DCE
25	NS
40	NS
55	NS
70	NS
90	NS
115	NS
135	NS
155	ND
180	NS
195	NS

SV WELL NO. 34	
DEPTH	1,1-DCE
20	NS
35	NS
50	NS
65	NS
80	NS
95	NS
108	NS
118	P

Explanation

● 39	Soil Vapor Wells Sampled
○ VE-1	Vapor Extraction Well
1,1-DCE:	1,1-DICHLOROETHENE
ND	Non-Detect @ Laboratory Detection Limit of 1.0 μg/L-Vapor
P	Sample Port Plugged: No Sample Collected
NS	Not Sampled at that Depth

NOTE:

Concentrations in μg/L-Vapor

400 200 0 400

SCALE IN FEET

Source: USGS, 7.5 Minute Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

1,1-DICHLOROETHENE CONCENTRATIONS AT DEPTH
FIGURE 3-4

Jet Propulsion Laboratory
Pasadena, California

GEOFON INCORPORATED

Date: July, 2002
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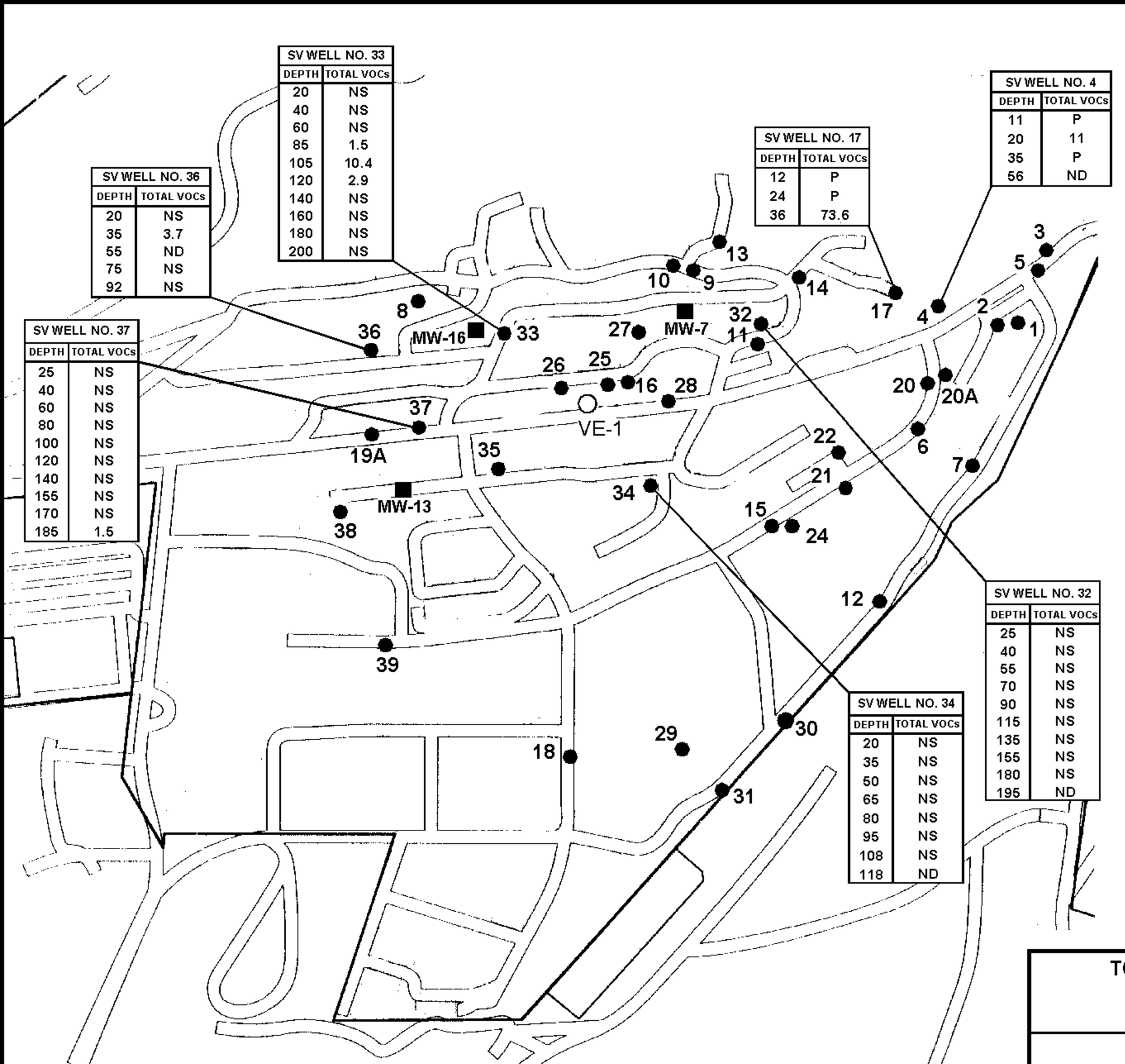
DO No.: 0048



SV WELL NO. 33	
DEPTH	TOTAL VOCs
20	NS
40	NS
60	NS
85	1.5
105	10.4
120	2.9
140	NS
160	NS
180	NS
200	NS

SV WELL NO. 36	
DEPTH	TOTAL VOCs
20	NS
35	3.7
55	ND
75	NS
92	NS

SV WELL NO. 37	
DEPTH	TOTAL VOCs
25	NS
40	NS
60	NS
80	NS
100	NS
120	NS
140	NS
155	NS
170	NS
185	1.5

SV WELL NO. 17	
DEPTH	TOTAL VOCs
12	P
24	P
36	73.6

SV WELL NO. 4	
DEPTH	TOTAL VOCs
11	P
20	11
35	P
56	ND

SV WELL NO. 32	
DEPTH	TOTAL VOCs
25	NS
40	NS
55	NS
70	NS
90	NS
115	NS
135	NS
155	NS
180	NS
195	ND

SV WELL NO. 34	
DEPTH	TOTAL VOCs
20	NS
35	NS
50	NS
65	NS
80	NS
95	NS
108	NS
118	ND

Explanation

● 39	Soil Vapor Wells Sampled
○ VE-1	Vapor Extraction Well
VOCs:	Volatile Organic Compounds
ND	Non-Detect @ Laboratory Detection Limit of 1.0 μg/L-Vapor
P	Sample Port Plugged: No Sample Collected
NS	Not Sampled at that Depth
■ MW-7	Groundwater Monitoring Well

NOTE:

Concentrations in μg/L-Vapor

400 200 0 400

SCALE IN FEET

Source: USGS, 7.5 Minute Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

TOTAL VOC CONCENTRATIONS AT DEPTH FIGURE 3-5

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