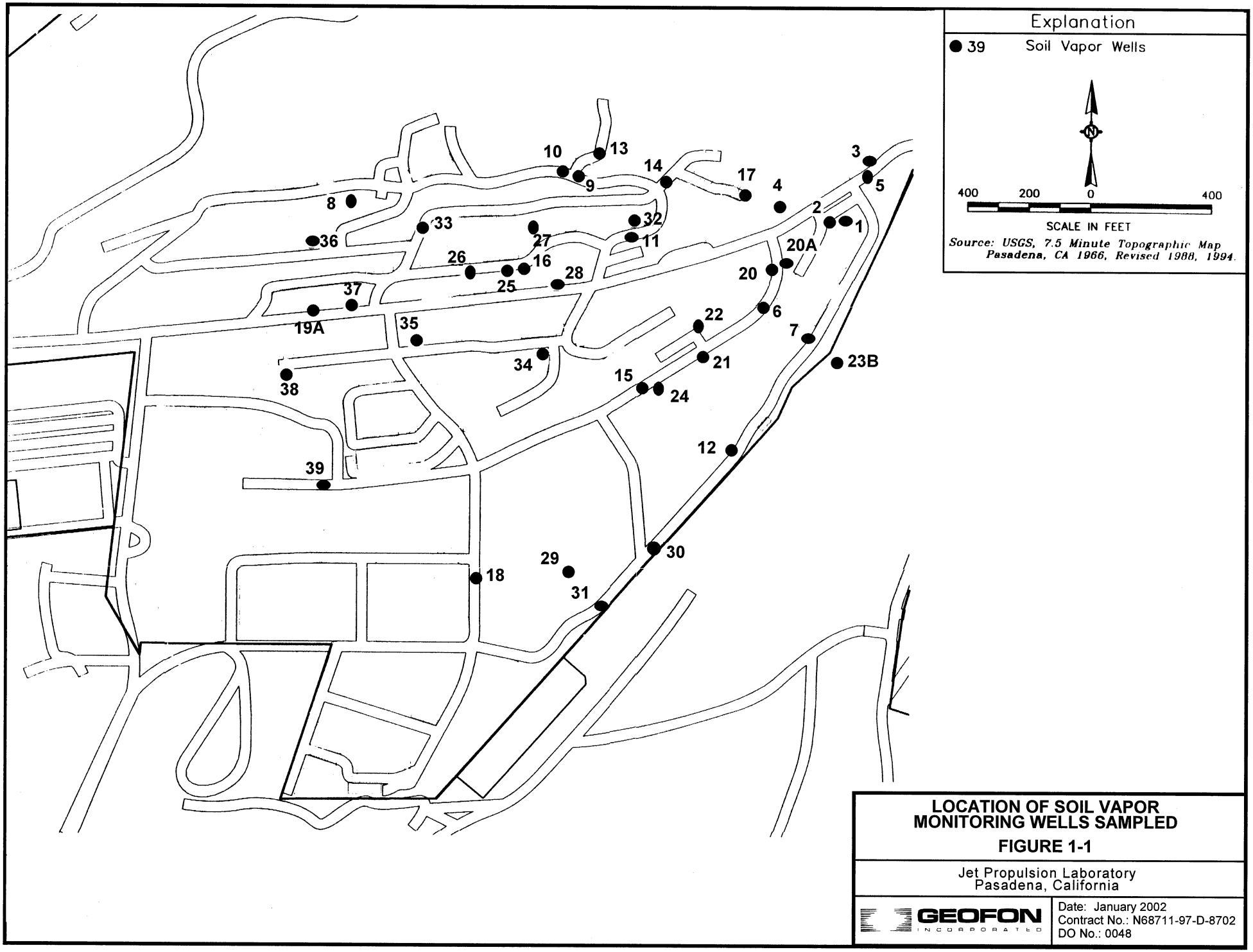
FIGURES


Explanation
39 Soil Vapor Wells
N
400 200 0 400
SCALE IN FEET
Source: USGS, 7.5 Minute Topographic Map Pasadena, CA 1966, Revised 1988, 1994.
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19A
20
20A
21
22
23B
24
25
26
27
28
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30
31
32
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34
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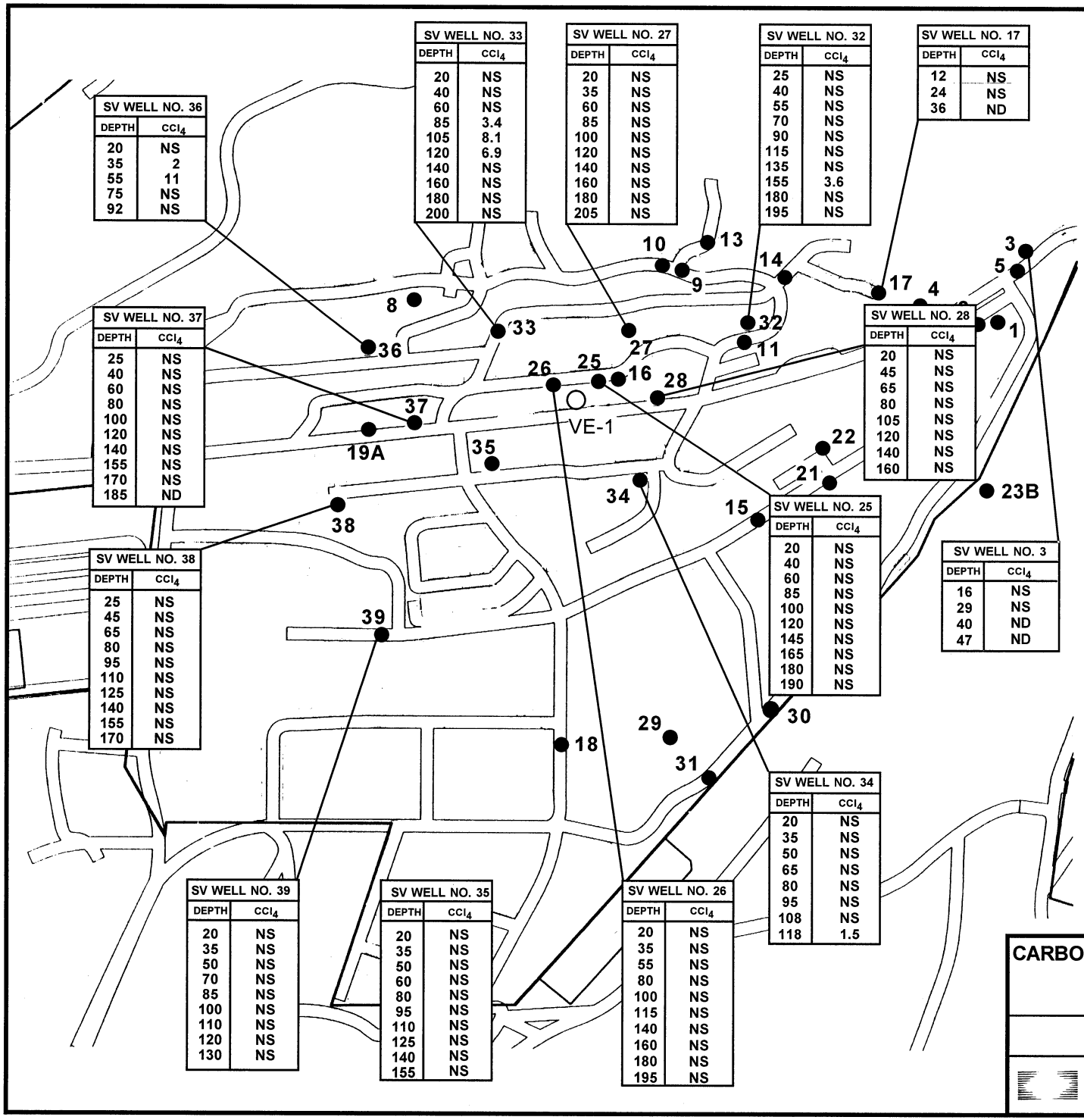
36
37
38
39
LOCATION OF SOIL VAPOR MONITORING WELLS SAMPLED
FIGURE 1-1
Jet Propulsion Laboratory
Pasadena, California
GEOFON INCORPORATED
Date: January 2002
Contract No.: N68711-97-D-8702
DO No.: 0048



SV WELL NO. 36	
DEPTH	CCl_4
20	NS
35	2
55	11
75	NS
92	NS

SV WELL NO. 33	
DEPTH	CCl_4
20	NS
40	NS
60	NS
85	3.4
105	8.1
120	6.9
140	NS
160	NS
180	NS
200	NS

SV WELL NO. 27	
DEPTH	CCl_4
20	NS
35	NS
60	NS
85	NS
100	NS
120	NS
140	NS
160	NS
180	NS
205	NS

SV WELL NO. 32	
DEPTH	CCl_4
25	NS
40	NS
55	NS
70	NS
90	NS
115	NS
135	NS
155	3.6
180	NS
195	NS

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

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. 28	
DEPTH	CCl_4
20	NS
45	NS
65	NS
80	NS
105	NS
120	NS
140	NS
160	NS

SV WELL NO. 25	
DEPTH	CCl_4
20	NS
40	NS
60	NS
85	NS
100	NS
120	NS
145	NS
165	NS
180	NS
190	NS

SV WELL NO. 3	
DEPTH	CCl_4
16	NS
29	NS
40	ND
47	ND

SV WELL NO. 38	
DEPTH	CCl_4
25	NS
45	NS
65	NS
80	NS
95	NS
110	NS
125	NS
140	NS
155	NS
170	NS

SV WELL NO. 34	
DEPTH	CCl_4
20	NS
35	NS
50	NS
65	NS
80	NS
95	NS
108	NS
118	1.5

SV WELL NO. 39	
DEPTH	CCl_4
20	NS
35	NS
50	NS
70	NS
85	NS
100	NS
110	NS
120	NS
130	NS

SV WELL NO. 35	
DEPTH	CCl_4
20	NS
35	NS
50	NS
60	NS
80	NS
95	NS
110	NS
125	NS
140	NS
155	NS

SV WELL NO. 26	
DEPTH	CCl_4
20	NS
35	NS
55	NS
80	NS
100	NS
115	NS
140	NS
160	NS
180	NS
195	NS

Explanation

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

NOTE:

Concentrations in $\mu g/L$-Vapor

N

400 200 0 400

SCALE IN FEET

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

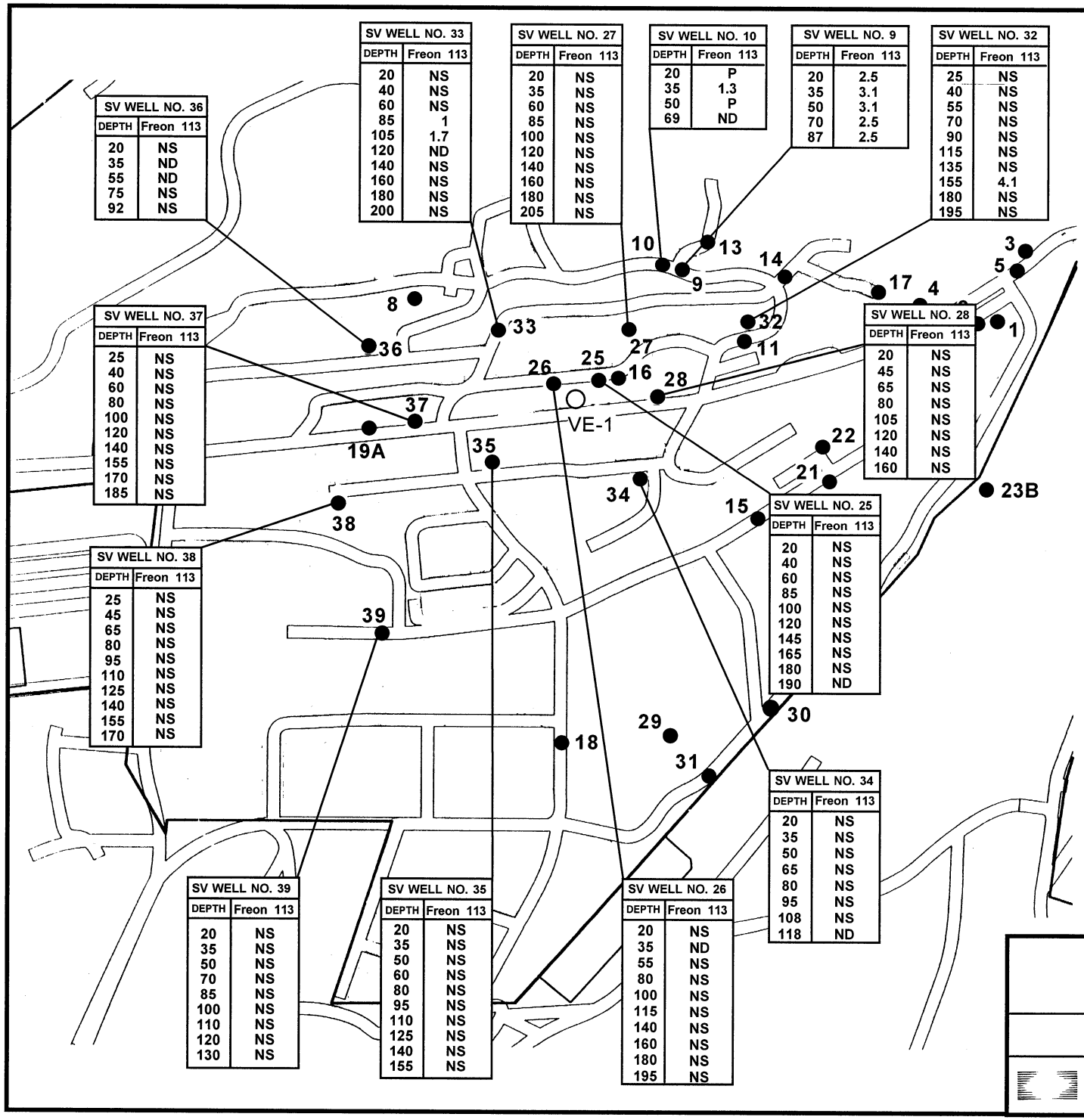
CARBON TETRACHLORIDE CONCENTRATIONS AT DEPTH

FIGURE 3-1

Jet Propulsion Laboratory
Pasadena, California

GEOFON INCORPORATED

Date: November 2001
Contract No.: N68711-97-D-8702
DO No.: 0048



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

SV WELL NO. 33	
DEPTH	Freon 113
20	NS
40	NS
60	NS
85	1
105	1.7
120	ND
140	NS
160	NS
180	NS
200	NS

SV WELL NO. 27	
DEPTH	Freon 113
20	NS
35	NS
60	NS
85	NS
100	NS
120	NS
140	NS
160	NS
180	NS
205	NS

SV WELL NO. 10	
DEPTH	Freon 113
20	P
35	1.3
50	P
69	ND

SV WELL NO. 9	
DEPTH	Freon 113
20	2.5
35	3.1
50	3.1
70	2.5
87	2.5

SV WELL NO. 32	
DEPTH	Freon 113
25	NS
40	NS
55	NS
70	NS
90	NS
115	NS
135	NS
155	4.1
180	NS
195	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	NS

SV WELL NO. 28	
DEPTH	Freon 113
20	NS
45	NS
65	NS
80	NS
105	NS
120	NS
140	NS
160	NS

SV WELL NO. 38	
DEPTH	Freon 113
25	NS
45	NS
65	NS
80	NS
95	NS
110	NS
125	NS
140	NS
155	NS
170	NS

SV WELL NO. 25	
DEPTH	Freon 113
20	NS
40	NS
60	NS
85	NS
100	NS
120	NS
145	NS
165	NS
180	NS
190	ND

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

SV WELL NO. 39	
DEPTH	Freon 113
20	NS
35	NS
50	NS
70	NS
85	NS
100	NS
110	NS
120	NS
130	NS

SV WELL NO. 35	
DEPTH	Freon 113
20	NS
35	NS
50	NS
60	NS
80	NS
95	NS
110	NS
125	NS
140	NS
155	NS

SV WELL NO. 26	
DEPTH	Freon 113
20	NS
35	ND
55	NS
80	NS
100	NS
115	NS
140	NS
160	NS
180	NS
195	NS

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

N

400 200 0 400

SCALE IN FEET

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

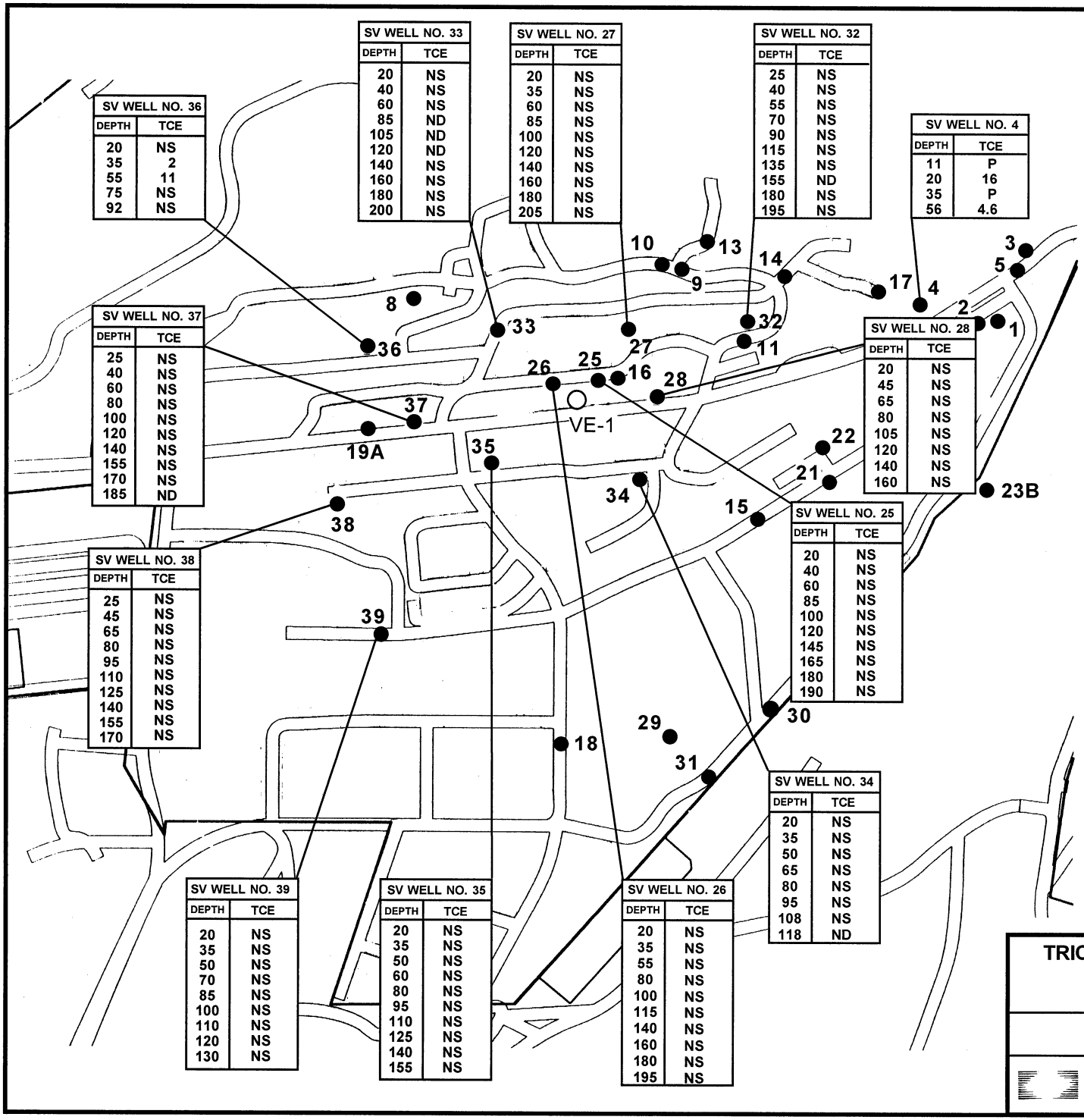
FREON 113 CONCENTRATIONS AT DEPTH

FIGURE 3-2

Jet Propulsion Laboratory
Pasadena, California

GEOFON INCORPORATED

Date: November 2001
Contract No.: N68711-97-D-8702
DO No.: 0048



SV WELL NO. 36	
DEPTH	TCE
20	NS
35	2
55	11
75	NS
92	NS

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. 27	
DEPTH	TCE
20	NS
35	NS
60	NS
85	NS
100	NS
120	NS
140	NS
160	NS
180	NS
205	NS

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. 4	
DEPTH	TCE
11	P
20	16
35	P
56	4.6

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	ND

SV WELL NO. 28	
DEPTH	TCE
20	NS
45	NS
65	NS
80	NS
105	NS
120	NS
140	NS
160	NS

SV WELL NO. 38	
DEPTH	TCE
25	NS
45	NS
65	NS
80	NS
95	NS
110	NS
125	NS
140	NS
155	NS
170	NS

SV WELL NO. 25	
DEPTH	TCE
20	NS
40	NS
60	NS
85	NS
100	NS
120	NS
145	NS
165	NS
180	NS
190	NS

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

SV WELL NO. 39	
DEPTH	TCE
20	NS
35	NS
50	NS
70	NS
85	NS
100	NS
110	NS
120	NS
130	NS

SV WELL NO. 35	
DEPTH	TCE
20	NS
35	NS
50	NS
60	NS
80	NS
95	NS
110	NS
125	NS
140	NS
155	NS

SV WELL NO. 26	
DEPTH	TCE
20	NS
35	NS
55	NS
80	NS
100	NS
115	NS
140	NS
160	NS
180	NS
195	NS

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

N

400 200 0 400

SCALE IN FEET

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

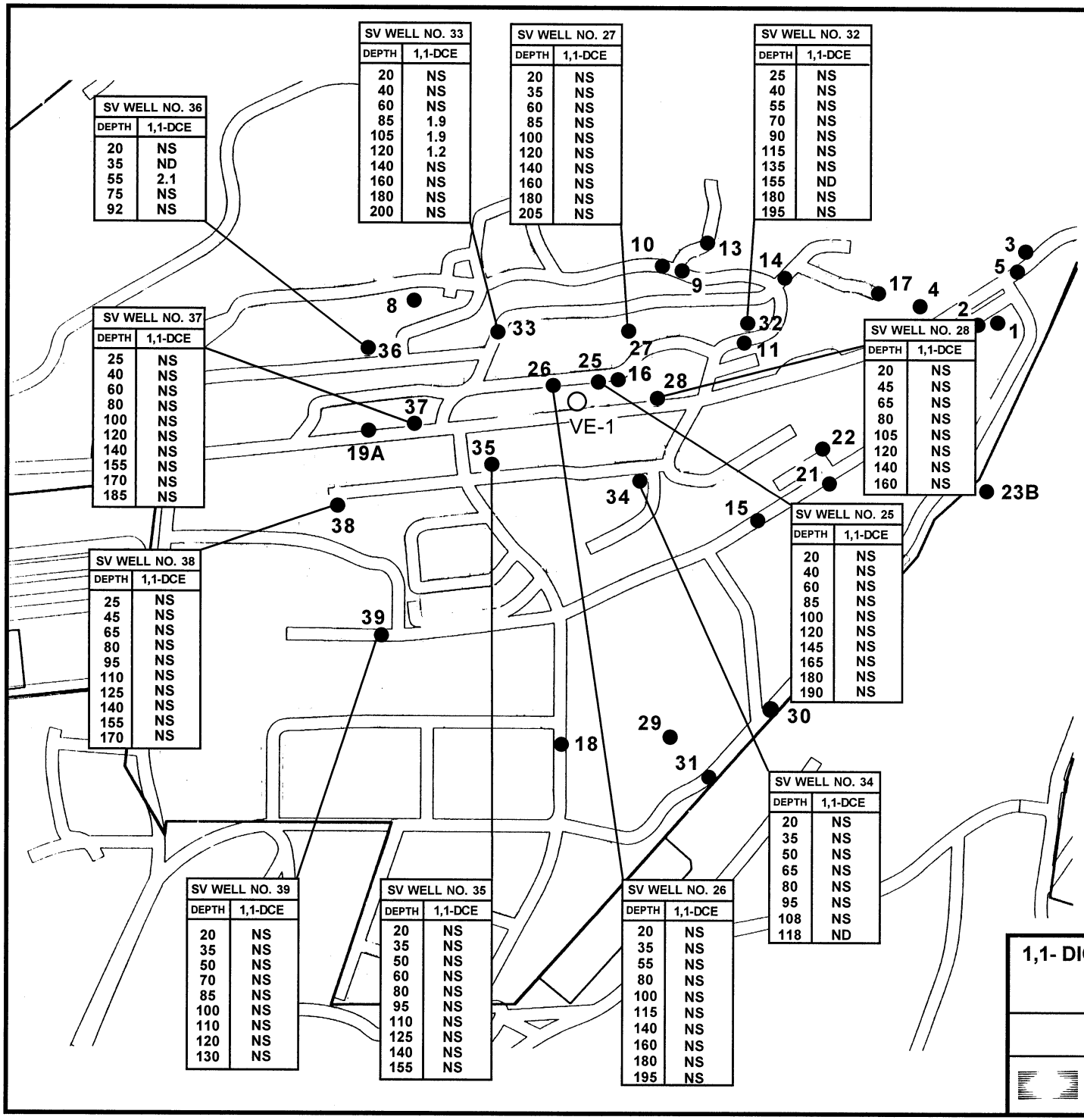
TRICHLOROETHENE CONCENTRATIONS AT DEPTH

FIGURE 3-3

Jet Propulsion Laboratory
Pasadena, California

GEOFON INCORPORATED

Date: November 2001
Contract No.: N68711-97-D-8702
DO No.: 0048



SV WELL NO. 33	
DEPTH	1,1-DCE
20	NS
40	NS
60	NS
85	1.9
105	1.9
120	1.2
140	NS
160	NS
180	NS
200	NS

SV WELL NO. 27	
DEPTH	1,1-DCE
20	NS
35	NS
60	NS
85	NS
100	NS
120	NS
140	NS
160	NS
180	NS
205	NS

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. 36	
DEPTH	1,1-DCE
20	NS
35	ND
55	2.1
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	NS

SV WELL NO. 28	
DEPTH	1,1-DCE
20	NS
45	NS
65	NS
80	NS
105	NS
120	NS
140	NS
160	NS

SV WELL NO. 38	
DEPTH	1,1-DCE
25	NS
45	NS
65	NS
80	NS
95	NS
110	NS
125	NS
140	NS
155	NS
170	NS

SV WELL NO. 25	
DEPTH	1,1-DCE
20	NS
40	NS
60	NS
85	NS
100	NS
120	NS
145	NS
165	NS
180	NS
190	NS

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

SV WELL NO. 39	
DEPTH	1,1-DCE
20	NS
35	NS
50	NS
70	NS
85	NS
100	NS
110	NS
120	NS
130	NS

SV WELL NO. 35	
DEPTH	1,1-DCE
20	NS
35	NS
50	NS
60	NS
80	NS
95	NS
110	NS
125	NS
140	NS
155	NS

SV WELL NO. 26	
DEPTH	1,1-DCE
20	NS
35	NS
55	NS
80	NS
100	NS
115	NS
140	NS
160	NS
180	NS
195	NS

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.

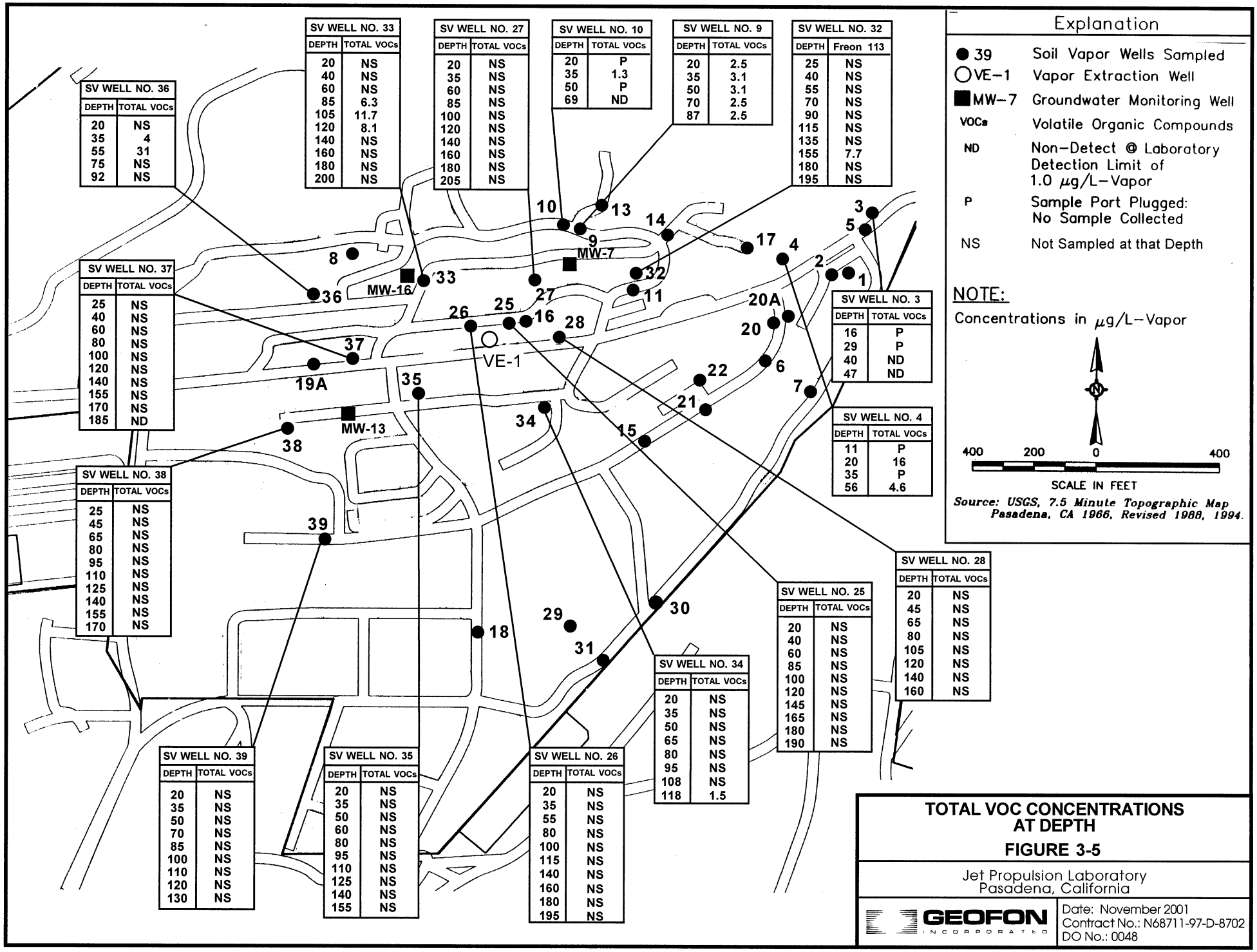
1,1- DICHLOROETHENE CONCENTRATIONS AT DEPTH

FIGURE 3-4

Jet Propulsion Laboratory
Pasadena, California

GEOFON INCORPORATED

Date: November 2001
Contract No.: N68711-97-D-8702
DO No.: 0048



TOTAL VOC CONCENTRATIONS AT DEPTH

FIGURE 3-5

Jet Propulsion Laboratory
Pasadena, California

GEOFON INCORPORATED

Date: November 2001
Contract No.: N68711-97-D-8702
DO No.: 0048