Jet Propulsion Laboratory

MW-1
MW-7
MW-16
MW-15
MW-9
MW-11
5: 0.5J
MW-22
4: --
5: --
MW-24
4: --
5: --
MW-8
MW-12
5: 0.6
MW-13
MW-14
4: --
5: --
MW-6
MW-2
MW-3
4: --
5: --
MW-4
5: --
MW-23
4: 0.5J
5: 0.6
MH-01
MW-10
MW-5
Arroyo Well
MW-18
4: 1.4
5: --

LCID#6
12/01 --
LCID#1
3/01 --
VWC#3
10/01 0.6
VWC#2
10/01 0.8
VWC#4
10/01 0.8
VWC#1
10/01 2.2

GOULD AVE
HAMPTON RD
CROWN RD
VIRO RD
OAK GROVE DR
ALTADENA DR
LINCOLN AVE

Oak Grove Ranger Station
Spreading Grounds
Oak Grove Park
Devil's Gate Reservoir
FOOTHILL FWY

Well 52
1/02 2.8
MW-17
4: 6.2
5: 6.1
LAWC#3
9/01 5.4
5
MCL
CASITAS AVE
HARRIET ST
MARIPOSA DR
Ventura Well
1/02 0.8
VENTURA ST
LAWC#5
9/01 4.4
OLIVE AVE
Windsor Well
1/02 1.6
MW-19
4: --
5: 0.5
MW-20
3: --
4: --
W CALAVERAS ST
WINDSOR AVE
FIGUEROA
CROSBY STREET
RCL&W#4
LFWC#2
RCL&W#7

1160
1200
1280
1320

Legend

- JPL Deep Multi-Port Monitoring Well
- JPL Shallow Monitoring Well
- City of Pasadena Monitoring Well
- Municipal Production Well
  LCID = La Canada Irrigation District
  VWC = Valley Water Co.
  LAWC = Lincoln Avenue Water Co.
  RCL&W = Rubio Canon Land & Water Co.
  LFWC = Las Flores Water Co.
  All others are City of Pasadena
- 1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location Of Well Screens In Aquifer Layers)
- -- Not Detected
- J Estimated Concentration
- JPL Thrust Fault
- JPL Property Line
- MCL Maximum Contaminant Level (5.0 µg/L)

Notes:
1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.
2. All units reported in µg/L.

N

800 400 0 800
SCALE IN FEET

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

FIGURE 3-21

CONTOURS OF TRICHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 3
JANUARY - FEBRUARY 2002

Jet Propulsion Laboratory
Pasadena, California

SOTA Environmental Technology, Inc.

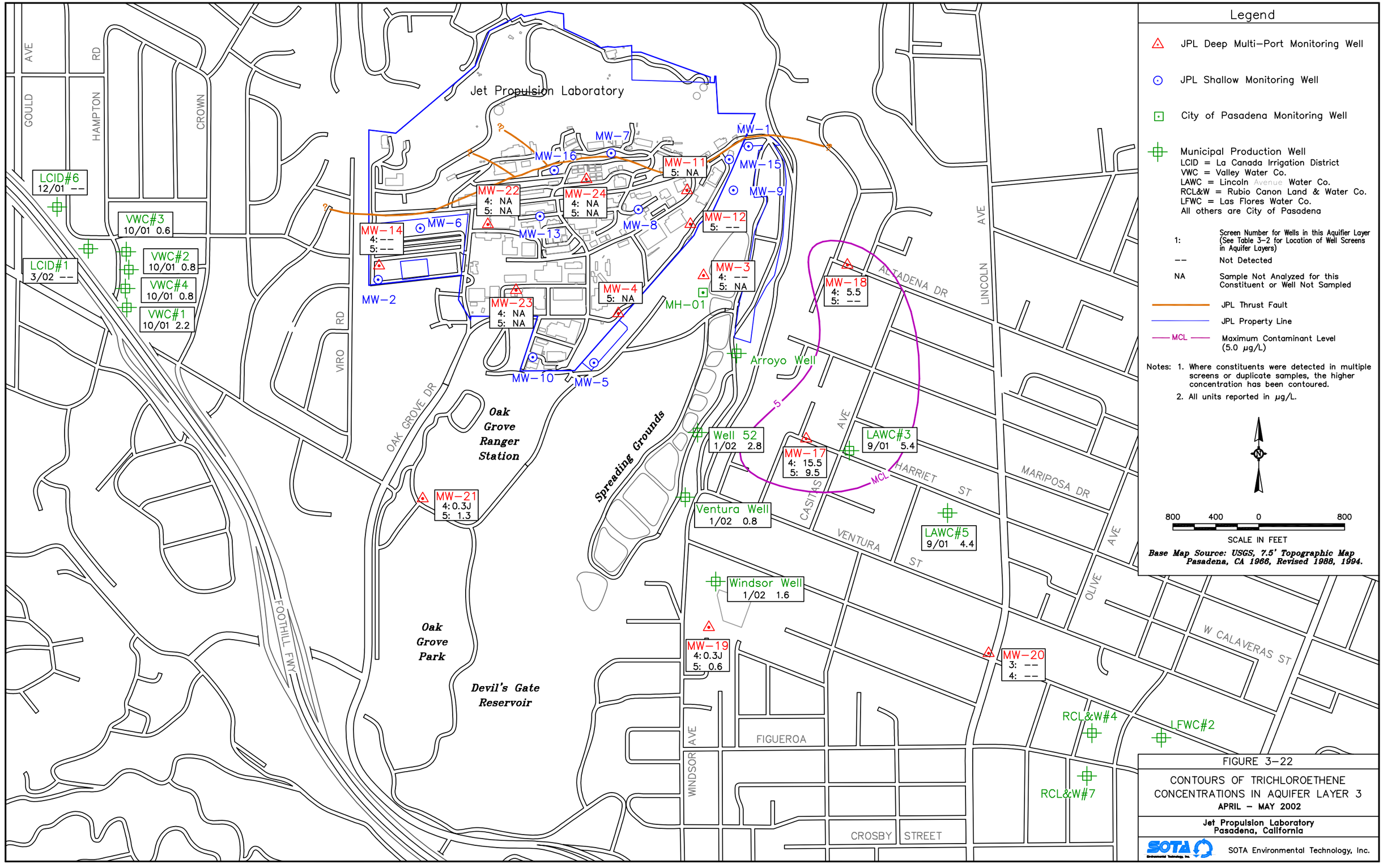


FIGURE 3-22

CONTOURS OF TRICHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 3

APRIL - MAY 2002

Jet Propulsion Laboratory
Pasadena, California

SOTA Environmental Technology, Inc.

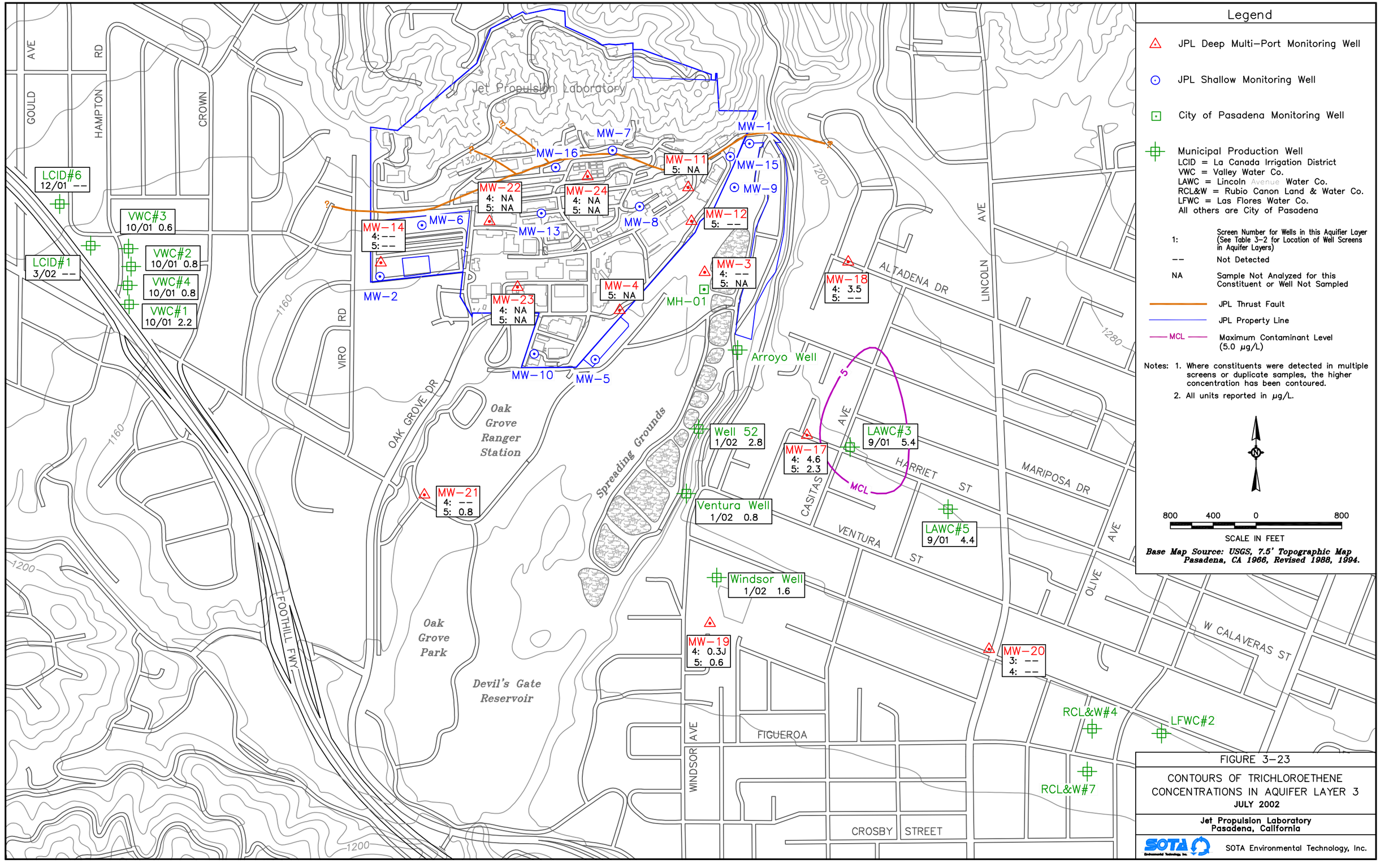


FIGURE 3-23

CONTOURS OF TRICHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 3

JULY 2002

Jet Propulsion Laboratory
Pasadena, California

SOTA Environmental Technology, Inc.

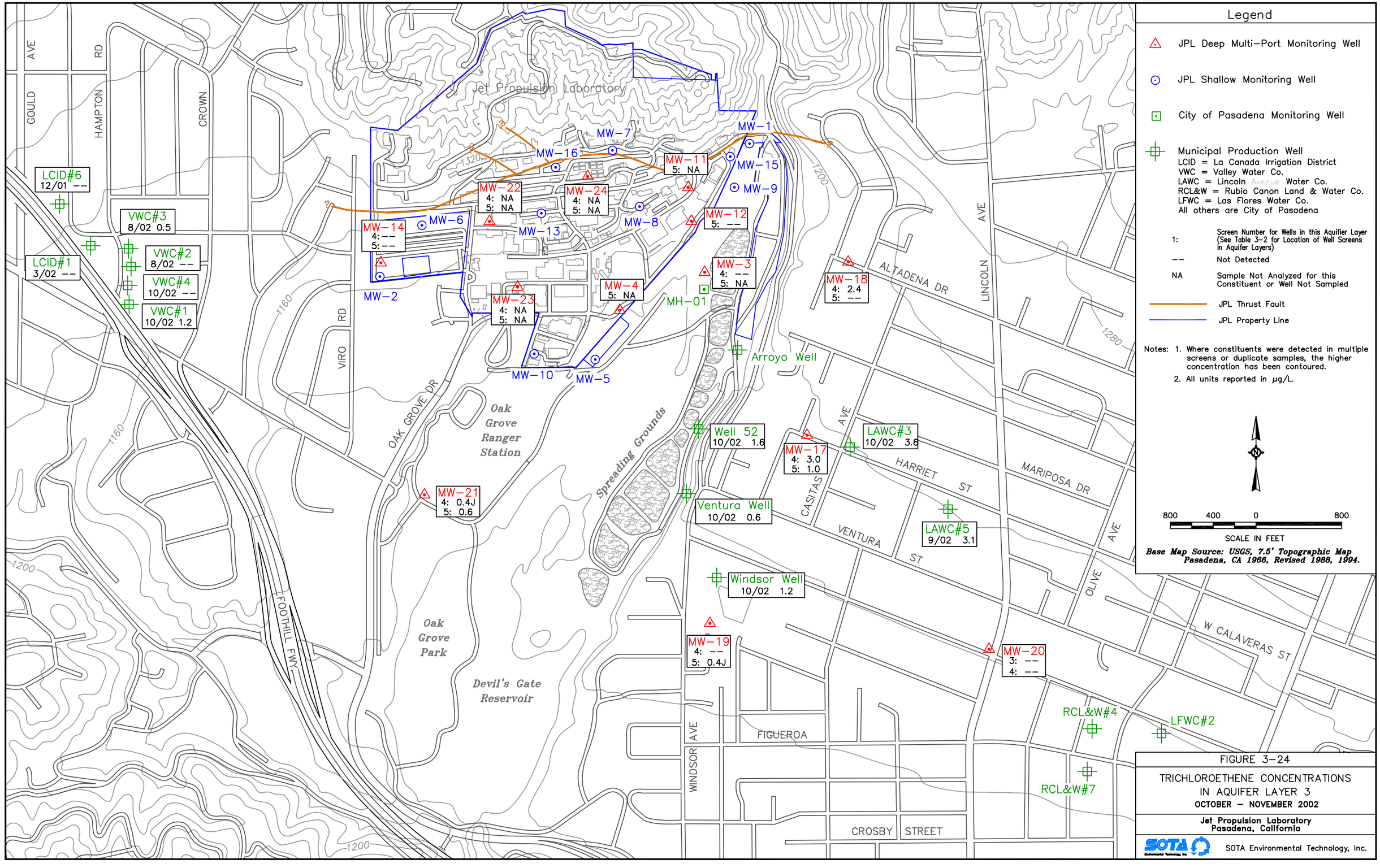


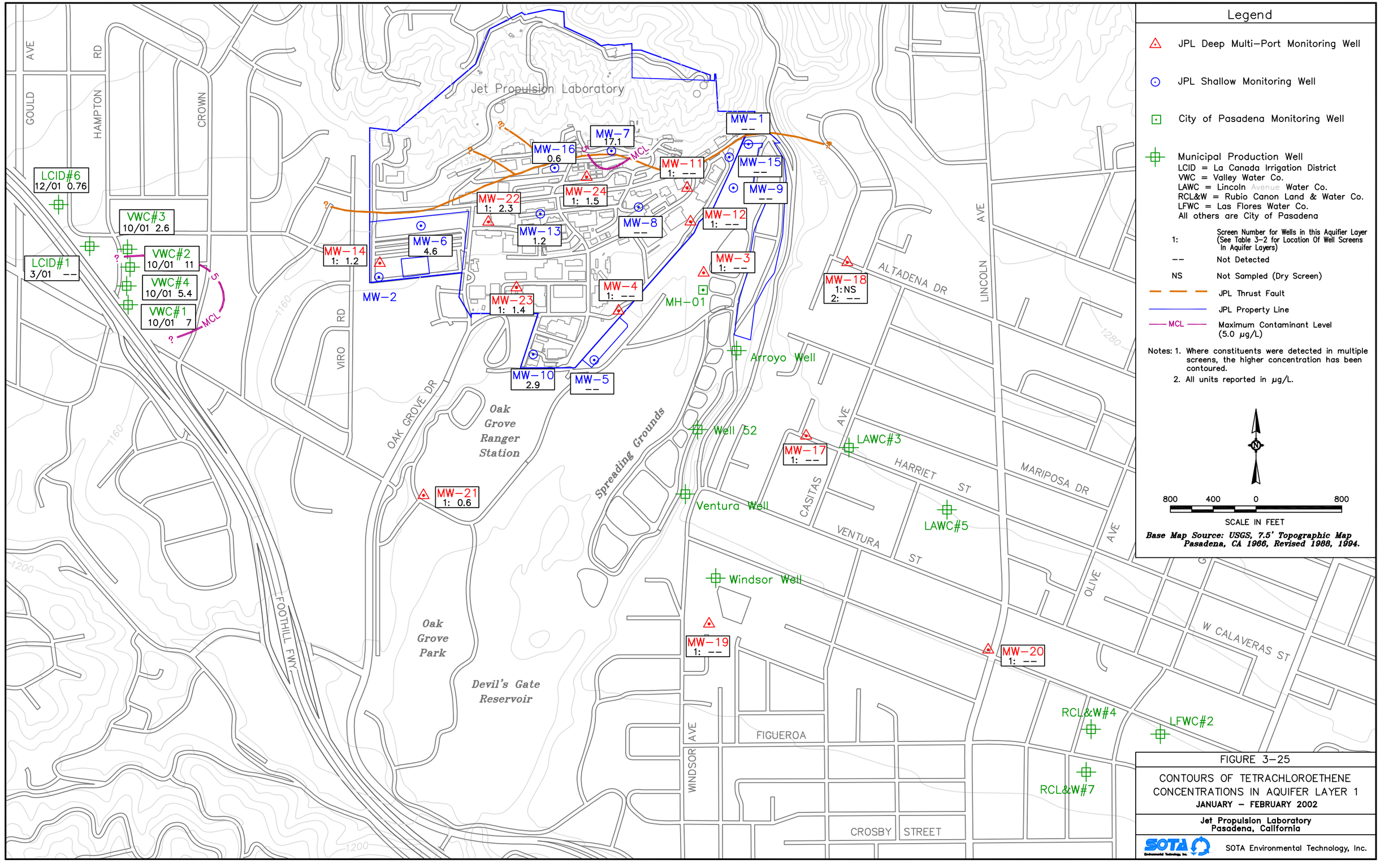
FIGURE 3-24

TRICHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 3

OCTOBER – NOVEMBER 2002

Jet Propulsion Laboratory
Pasadena, California

SOTA Environmental Technology, Inc.



Legend

- JPL Deep Multi-Port Monitoring Well
- JPL Shallow Monitoring Well
- City of Pasadena Monitoring Well
- Municipal Production Well
  - LCID = La Canada Irrigation District
  - VWC = Valley Water Co.
  - LAWC = Lincoln Avenue Water Co.
  - RCL&W = Rubio Canon Land & Water Co.
  - LFWC = Las Flores Water Co.
  - All others are City of Pasadena
- 1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location Of Well Screens In Aquifer Layers)
- -- Not Detected
- NS Not Sampled (Dry Screen)
- JPL Thrust Fault
- JPL Property Line
- MCL — Maximum Contaminant Level (5.0 µg/L)

Notes:
1. Where constituents were detected in multiple screens, the higher concentration has been contoured.
2. All units reported in µg/L.

800 400 0 800

SCALE IN FEET

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

FIGURE 3-25

CONTOURS OF TETRACHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 1

JANUARY – FEBRUARY 2002

Jet Propulsion Laboratory
Pasadena, California

SOTA Environmental Technology, Inc.

Jet Propulsion Laboratory

MW-1 NA
MW-7 30.4
MW-16 0.5J
MW-11 1: --
MW-15 NA
MW-9 NA
MW-24 1: 1.6
MW-22 1: 2.7
MW-8 --
MW-12 1: --
MW-13 1.4
MW-6 5.0
MW-14 1: 0.6
MW-3 1: NA
MW-18 1: NA 2: --
MW-4 1: --
MW-23 1: 1.1
MW-2
MH-01
Arroyo Well
MW-10 1.7
MW-5 --
Well 52
MW-17 1: NA
LAWC#3
Ventura Well
LAWC#5
Windsor Well
MW-19 1: --
MW-20 1: --
RCL&W#4
LFWC#2
RCL&W#7
MW-21 1: 0.8
LCID#6 3/02 0.88
VWC#3 10/01 2.6
LCID#1 3/02 0.63
VWC#2 10/01 11
VWC#4 10/01 5.4
VWC#1 10/01 7

GOULD AVE
HAMPTON RD
CROWN
VIRO RD
OAK GROVE DR
ALTADENA DR
LINCOLN AVE
CASITAS AVE
HARRIET ST
MARIPOSA DR
VENTURA ST
OLIVE AVE
W CALAVERAS ST
FIGUEROA
WINDSOR AVE
CROSBY STREET
FOOTHILL FWY

Oak Grove Ranger Station
Oak Grove Park
Devil's Gate Reservoir
Spreading Grounds

MCL
5
?

Legend

- JPL Deep Multi-Port Monitoring Well
- JPL Shallow Monitoring Well
- City of Pasadena Monitoring Well
- Municipal Production Well
  - LCID = La Canada Irrigation District
  - VWC = Valley Water Co.
  - LAWC = Lincoln Avenue Water Co.
  - RCL&W = Rubio Canon Land & Water Co.
  - LFWC = Las Flores Water Co.
  - All others are City of Pasadena
- 1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location of Well Screens in Aquifer Layers)
- -- Not Detected
- NA Sample Not Analyzed for this Constituent or Well Not Sampled
- JPL Thrust Fault
- JPL Property Line
- MCL — Maximum Contaminant Level (5.0 µg/L)

Notes:
1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.
2. All units reported in µg/L.

N

800 400 0 800
SCALE IN FEET

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

FIGURE 3-26

CONTOURS OF TETRACHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 1
APRIL - MAY 2002

Jet Propulsion Laboratory
Pasadena, California

SOTA Environmental Technology, Inc.

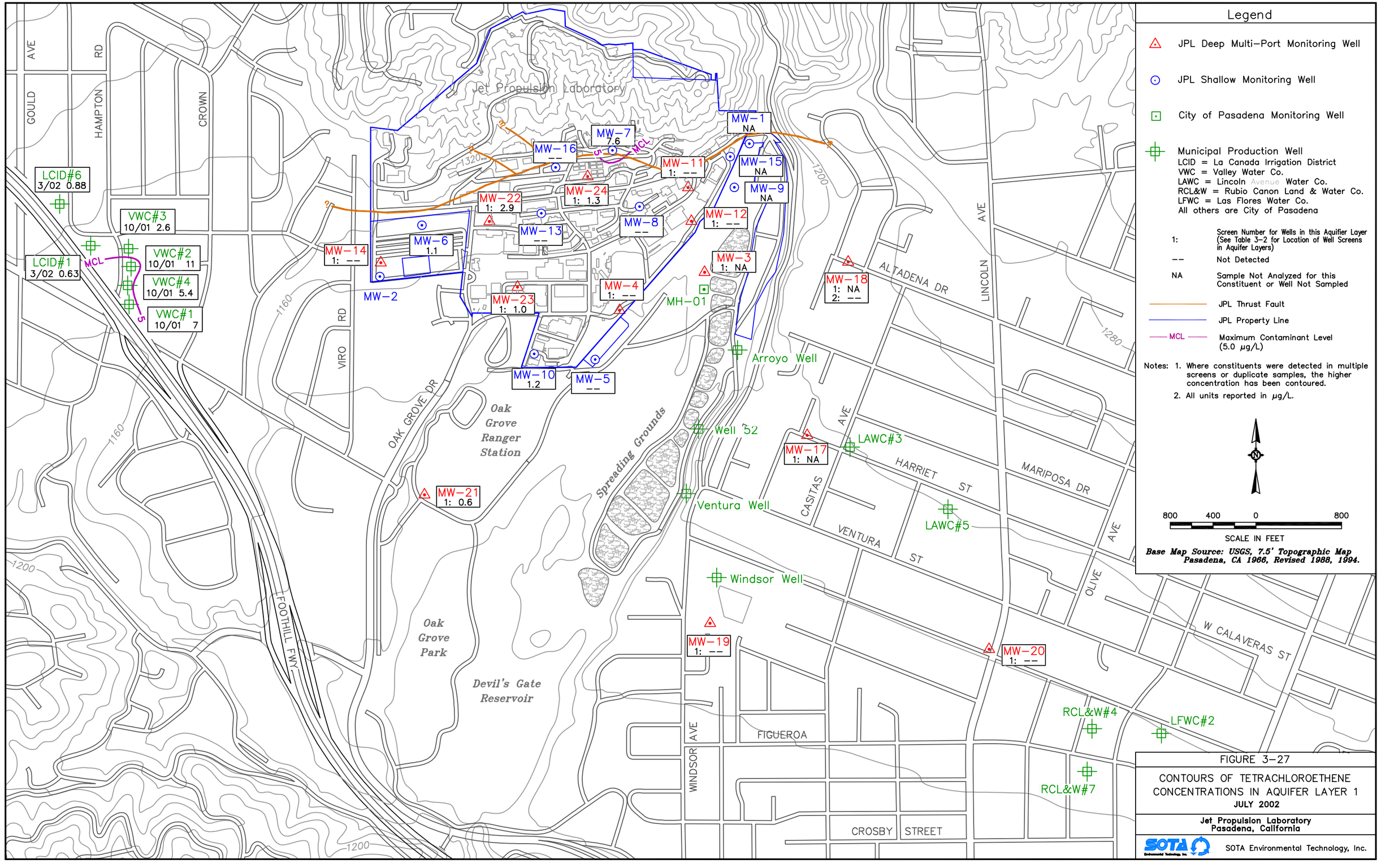


FIGURE 3-27

CONTOURS OF TETRACHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 1

JULY 2002

Jet Propulsion Laboratory
Pasadena, California

SOTA Environmental Technology, Inc.

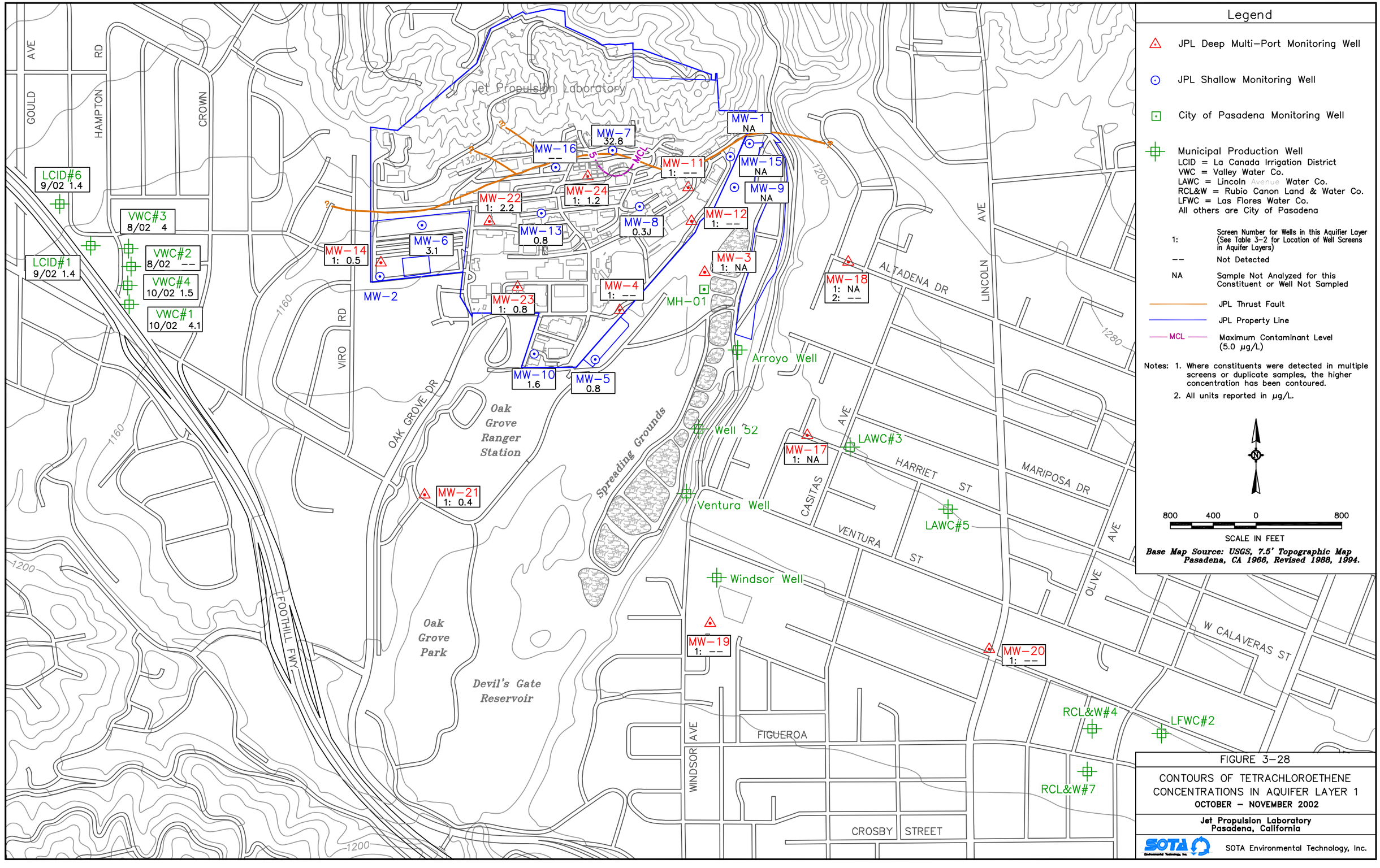


FIGURE 3-28

CONTOURS OF TETRACHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 1

OCTOBER – NOVEMBER 2002

Jet Propulsion Laboratory
Pasadena, California

SOTA Environmental Technology, Inc.

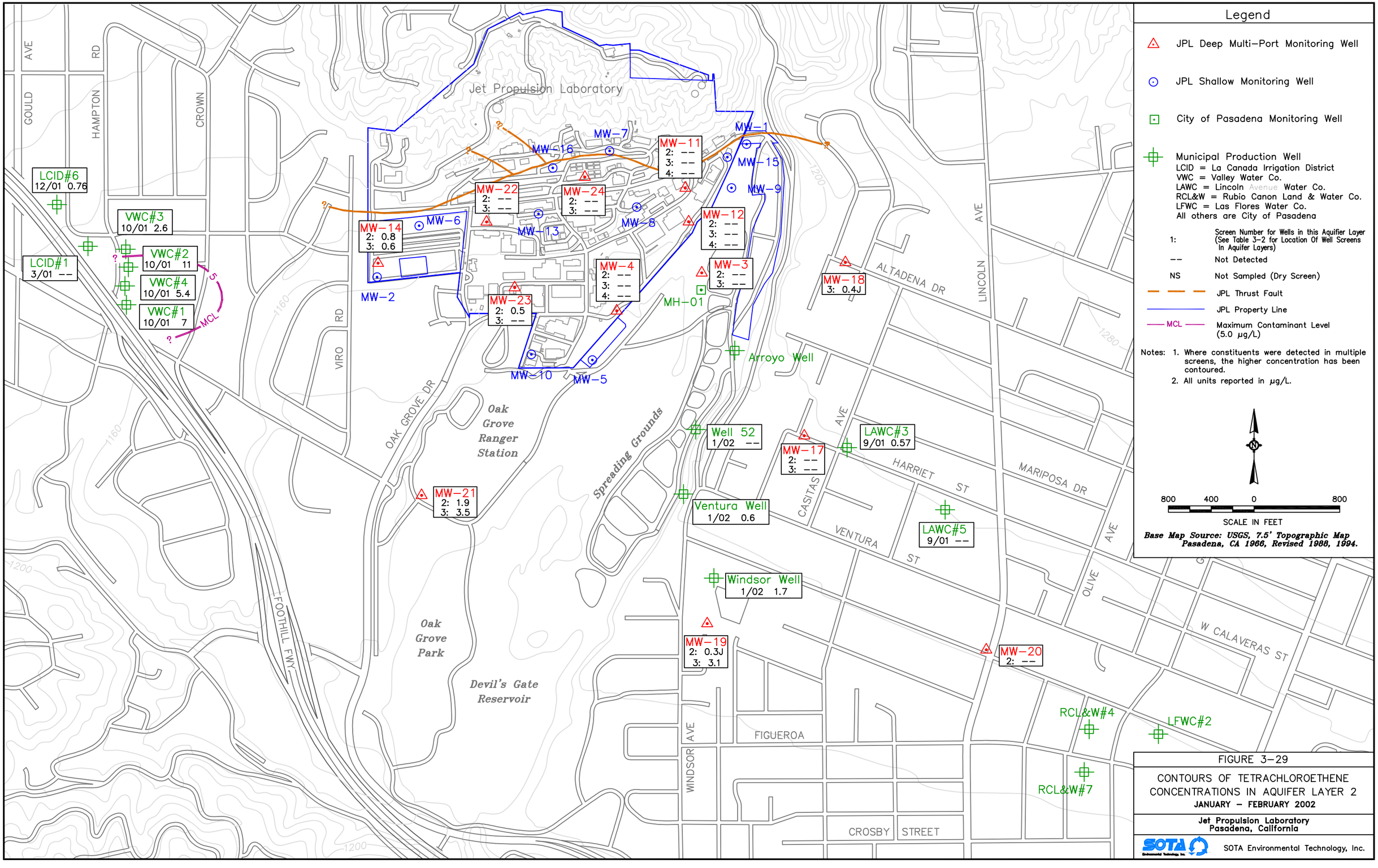


FIGURE 3-29

CONTOURS OF TETRACHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 2

JANUARY – FEBRUARY 2002

Jet Propulsion Laboratory
Pasadena, California

SOTA Environmental Technology, Inc.

Jet Propulsion Laboratory

MW-1
MW-2
MW-3
2: --
3: 0.5
MW-4
2: 1.0
3: --
4: NA
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-11
2: --
3: --
4: --
MW-12
2: --
3: --
4: --
MW-13
MW-14
2: 0.4J
3: 0.4J
MW-15
MW-16
MW-17
2: --
3: --
MW-18
3: 0.5
MW-19
2: 0.8
3: 3.0
MW-20
2: --
MW-21
2: 1.6
3: 4.2
MW-22
2: --
3: --
MW-23
2: 0.7
3: --
MW-24
2: 0.5J
3: --
MH-01

LCID#6
3/02 0.88
LCID#1
3/02 0.63
VWC#3
10/01 2.6
VWC#2
10/01 11
VWC#4
10/01 5.4
VWC#1
10/01 7
MCL
5

Arroyo Well
Well 52
1/02 --
Ventura Well
1/02 0.6
Windsor Well
1/02 1.7
LAWC#3
9/01 0.57
LAWC#5
9/01 --
RCL&W#4
RCL&W#7
LFWC#2

GOULD AVE
HAMPTON RD
CROWN
VIRO RD
OAK GROVE DR
FOOTHILL FWY
ALTADENA DR
LINCOLN AVE
CASITAS AVE
HARRIET ST
MARIPOSA DR
VENTURA ST
OLIVE AVE
W CALAVERAS ST
FIGUEROA
WINDSOR AVE
CROSBY STREET

Oak Grove Ranger Station
Oak Grove Park
Devil's Gate Reservoir
Spreading Grounds

Legend

- JPL Deep Multi-Port Monitoring Well
- JPL Shallow Monitoring Well
- City of Pasadena Monitoring Well
- Municipal Production Well
  - LCID = La Canada Irrigation District
  - VWC = Valley Water Co.
  - LAWC = Lincoln Avenue Water Co.
  - RCL&W = Rubio Canon Land & Water Co.
  - LFWC = Las Flores Water Co.
  - All others are City of Pasadena
- 1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location of Well Screens in Aquifer Layers)
- -- Not Detected
- NA Sample Not Analyzed for this Constituent or Well Not Sampled
- JPL Thrust Fault
- JPL Property Line
- MCL — Maximum Contaminant Level (5.0 µg/L)

Notes:
1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.
2. All units reported in µg/L.

N

800 400 0 800
SCALE IN FEET

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

FIGURE 3-30

CONTOURS OF TETRACHLOROETHENE CONCENTRATIONS IN AQUIFER LAYER 2
APRIL - MAY 2002

Jet Propulsion Laboratory
Pasadena, California

SOTA Environmental Technology, Inc.