Southwest

F

Northeast

F'

ELEVATION (ft msl)

W12CVMW4 (proj. ~1200ft)
W12CPMW1 (proj. ~670ft)
W12ASMW1 (proj. ~800ft)
Cross Section A-A'
EPAMW11 (proj. ~600ft) (MW1-1)
EPAMW12A/B (proj. ~780ft) (MW1-2A/B)
San Pasqual Wash
Cross Section B-B'
EPAMW13 (proj. ~180ft) (MW1-3)
Cross Section E-E'
01901672 (proj. ~480ft)
Cross Section C-C'
01901681 (proj. ~120ft)
01902979 (proj. ~240ft)

250 (Dec 2003)
128 (Apr 2005)
2200 (Nov 2006)
320 (Nov 2006)
96 (Feb 2004)
4.61 (Mar 2000)
0.3 (Aug 1981)
4.1 (Nov 2004)
9.4 (Nov 2004)
<0.5 (Aug 2005)
18 (Nov 2006)
2 (Mar 2003)
2 (Mar 2003)

Bedrock Aquifer
Western Alluvial Aquifer
Eastern Alluvial Aquifer
Eastern Alluvial Aquifer
Area 3 Intermediate Groundwater Zone
Area 3 Deep Groundwater Zone
Structural Bedrock Discontinuity
Unnamed Syncline
South Pasadena Anticline

Vertical Scale in Feet

Vertical Exaggeration = 7.5

Horizontal Scale in Feet

Distance Along Baseline (feet)

TCE Concentrations

- TCE Concentration Below Reporting Limits (RL)
- TCE Concentration Ranging from Reporting Limit to <MCL (RL to <5 µg/L)
- TCE Concentration Ranging from MCL to <10x MCL (5 to <50 µg/L)
- TCE Concentration Ranging from 10x MCL to <20x MCL (50 to <100 µg/L)
- TCE Concentration Ranging from 20x MCL to 100x MCL (100 to <500 µg/L)
- TCE Concentration Ranging from 100x to <1000x MCL (500 to <5000 µg/L)

Legend

Lithologic Units (contacts and extents queried (?) where interpretation infeasible due to limited dataset)

- Predominantly Coarse-grained Material
- Predominantly Fine-grained Material
- Sedimentary Bedrock [1]

- Screened Well Intervals
- Groundwater Elevation: 2007[2], queried (?) where interpretation infeasible due to limited dataset)
- Groundwater Elevation: 1933[3], queried (?) where interpretation infeasible due to limited dataset)
- Approximate location of boundary between groundwater zones, extent queried (?) where interpretation infeasible due to limited dataset)

Notes:

- See Figure 3-4 for locations of cross-sections for plan view.
- Groundwater zone boundaries shown are conceptual.
- These cross sections show generalized lithologies based on the following categories: predominantly coarse grained material (includes gravel, sand, silty sand, and/or clayey sand) and predominantly fine grained material (includes clay, silt, sandy silt, and/or sandy clay).
- Concentrations at production wells are wellhead samples and therefore represent a mixture of water from entire screened interval.
- (1) Sedimentary bedrock elevations are shown on Figure 3-16.
- (2) 2007 groundwater elevations represent the water table or potentiometric surface as measured in spring 2007, in feet (relative to) mean sea level.
- (3) 1933 groundwater elevations shown on Figure 3-5.
- (4) This figure (8-2) is the same as Figure 5-15 in Section 5.

Figure 8-2
Maximum TCE Concentrations at Groundwater Wells
Conceptual Hydrogeologic Cross Section F-F'
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

SCO385133.RR.01 CrossFF_TCE 3.ai 5/09

West

E

East

E'

Former Marengo Well (proj. ~1000ft)

01900018 (proj. ~120ft)

EPAMW14 (proj. ~480ft) (MW1-4)

San Pasqual Wash

Cross Section B-B'

01900011 (proj. ~780ft)

EPAMW13 (proj. ~1020ft) (MW1-3)

Cross Section F-F'

01901672 (proj. ~660ft)

Alhambra Wash

Cross Section C-C'

EPAMW15 (proj. ~240ft) (MW1-5)

01902785 (proj. ~1020ft)

Cross Section D-D'

Rubio Wash

W12NVJW2 (proj. ~270ft)

EPAMW16 (proj. ~180ft) (MW1-6)

Eaton Wash

W11TCSW3/W11TCW12

ELEVATION (ft msl)

Western Aquifer

Bedrock Aquifer

Structural Bedrock Discontinuity

Area 3 Intermediate Groundwater Zone

Area 3 Deep Groundwater Zone

Eastern Alluvial Aquifer

Area 3 Shallow Groundwater Zone

0.48J (Nov 1987)

<0.5 (Feb 2007)

<0.5 (Sep 2006)

0.26 (Aug 1981)

<0.5 (Nov 2006)

1.2 (Feb 2006)

4.2 (May 2004)

22 (Aug 2004)

2.2 (Jul 2003)

1.7 (Sep 2002)

9.69 (Aug 2004)

0.49J (Feb 2007)

0.2J (Feb 2007)

0.23 (Feb 2006)

0.940 (Feb 2004)

1.8 (Jan 2007)

0.14J (Nov 2004)

0.14J (Feb 2006)

3.5 (Jul 2003)

1.3 (Jul 2003)

2.5 (Jul 2003)

600
500
400
300
200
100
0
-100
-200
-300
-400
-500
-600
-700
-800

0 1,500

Horizontal Scale in Feet

Vertical Exaggeration = 7.5

3,000 6,000 9,000 12,000 15,000 18,000 21,000

Distance Along Baseline (feet)

PCE Concentrations

- PCE Concentration Below Reporting Limits (RL)
- PCE Concentration Ranging from RL to <MCL (Reporting Limit to <5 µg/L)
- PCE Concentration Ranging from MCL to <10x MCL (5 to <50 µg/L)
- PCE Concentration Ranging from 10x MCL to <20x MCL (50 to <100 µg/L)
- PCE Concentration Ranging from 20x MCL to 100x MCL (100 to <500 µg/L)
- PCE Concentration Ranging from 100x to <1000x MCL (500 to <5000 µg/L)

Legend

Lithologic Units (contacts and extents queried (?) where interpretation infeasible due to limited dataset)

- Predominantly Coarse-grained Material
- Predominantly Fine-grained Material
- Sedimentary Bedrock[1]

- Screened Well Intervals
- Groundwater Elevation: 2007[2], queried (?) where interpretation infeasible due to limited dataset)
- Groundwater Elevation: 1933[3], queried (?) where interpretation infeasible due to limited dataset)
- Approximate location of boundary between groundwater zones, extent queried (?) where interpretation infeasible due to limited dataset)

Notes:

- See Figure 3-4 for locations of cross-sections in plan view.
- Groundwater zone boundaries shown are conceptual.
- These cross sections show generalized lithologies based on the following categories: predominantly coarse grained material (includes gravel, sand, silty sand, and/or clayey sand) and predominantly fine grained material (includes clay, silt, sandy silt, and/or sandy clay).
- Concentrations at production wells are wellhead samples and therefore represent a mixture of water from entire screened interval.
- (1) Sedimentary bedrock elevations are shown on Figure 3-16.
- (2) 2007 groundwater elevations represent the water table or potentiometric surface as measured in spring 2007, in feet (relative to) mean sea level.
- (3) 1933 groundwater elevations shown on Figure 3-5.
- (4) This figure (8-3) is the same as Figure 5-12 in Section 3.

Figure 8-3
Maximum PCE Concentrations at Groundwater Wells
Conceptual Hydrogeologic Cross Section E-E'
Remedial Investigation
San Gabriel Valley Area 3 Superfund Site

SCO385133.RR.01 CrossEE_PCE 4.ai 5/09