2005 REPORT
SAN FERNANDO VALLEY SUPERFUND SITES
GROUNDWATER MONITORING PROGRAM

SAN FERNANDO VALLEY
LOS ANGELES COUNTY, CALIFORNIA

Text Excluding Figures and Appendices

United States Environmental Protection Agency

January 2007

2005 REPORT
SAN FERNANDO VALLEY BASIN
GROUNDWATER MONITORING PROGRAM

SAN FERNANDO VALLEY
LOS ANGELES COUNTY, CALIFORNIA

USEPA CONTRACT NO. 68-W-98-225
USEPA WORK ASSIGNMENT NO. 246-RICO-0959

Prepared for

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Acronyms and Abbreviations

µg/L	micrograms per liter
1,2,3-TCP	1,2,3-trichloropropane
BOU	Burbank Operable Unit
CLP	USEPA's Contract Laboratory Program
CRQL	contract required quantification limit
CVCWD	Crescenta Valley County Water District
DHS	California Department of Health Services
DTSC	California Department of Toxic Substances Control
gal	gallons
GIS	Geographic Information System
GOU	Glendale Operable Unit
GNOU	Glendale North Operable Unit
GSOU	Glendale South Operable Unit
LADWP	Los Angeles Department of Water and Power
LMC	Lockheed Martin Corporation
MCL	maximum contaminant level
MDL	method detection limit
mg/L	milligrams per liter
MTBE	methyl tertiary butyl ether
NH Treatment Plant	North Hollywood Treatment Plant
NHOU	North Hollywood Operable Unit
NPL	National Priority List
NTU	Nephelometric Turbidity Units
OU	operable unit
PCE	perchloroethylene
QAPP	Quality Assurance Project Plan
QC	quality control

RAC	Response Action Contract
RI/FS	Remedial Investigation/Feasibility Study
RWQCB	Regional Water Quality Control Board
SAP	Sampling and Analysis Plan
SFV	San Fernando Valley
TCE	trichloroethylene
TDS	total dissolved solids
TOC	total organic carbon
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound
VPB	vertical profile boring
WA	Work Assignment

SECTION 1.0

Introduction

This report describes work performed by CH2M HILL for the United States Environmental Protection Agency (USEPA), Region 9 under Work Assignment (WA) 246-RICO-0959. This WA authorizes CH2M HILL to assist USEPA in conducting a quarterly groundwater monitoring program as part of the remedial investigation/feasibility study (RI/FS) in the San Fernando Valley (SFV). The monitoring program involves the collection of groundwater samples from monitoring wells in USEPA's RI monitoring well network, incorporation of the water quality data into the SFV database and Geographic Information System (GIS), and the presentation of data from the SFV groundwater monitoring program in an annual report. In addition to these activities involving the RI monitoring well program, CH2M HILL collects and integrates all available water quality and water level data into the SFV database. Monitoring well data from local facilities in the SFV, transmitted through the California Regional Water Quality Control Board (RWQCB); California Department of Toxic Substances Control (DTSC); and Lockheed Martin Corporation (LMC) are included in the database. Data from production wells operated in the SFV are obtained from local groundwater purveyors (Los Angeles Department of Water and Power [LADWP], the Cities of Glendale and Burbank, and Crescenta Valley County Water District [CVCWD]) and were also incorporated in the SFV database. The SFV database is the primary data source for generation of concentration contour maps accompanying this report.

Previous reports for USEPA's groundwater monitoring program were completed under the ARCSWEST contract, which was superseded by the Response Action Contract (RAC) program in January 1999. Work on this WA under the RAC program began in the fall of 1999 and has continued through 2000, 2001, 2002, 2003, 2004, and 2005. The results of the first, second, third, and fourth quarterly sampling events for 2005—conducted from March 15 through March 28, 2005; June 8 through June 17, 2005; September 12 through September 22, 2005; and December 12, 2005 through January 6, 2006—are described in this report.

1.1 Setting

The SFV Superfund Site is a large area of groundwater contamination located in Los Angeles County, California (Figure 1-1). In 1984, USEPA proposed four areas within the SFV for inclusion on the National Priority List (NPL) because trichloroethylene (TCE) and perchloroethylene (PCE) were found in groundwater production wells at levels exceeding the maximum contaminant levels (MCLs) for these compounds. During 2003, USEPA began procedures to remove the Verdugo Area (Area 3) from the NPL, with the site deleted on October 12, 2004. Currently, USEPA is managing the remaining three of the four former NPL areas as one large site, referred to as the SFV Superfund Site. This Site includes the following Operable Units (OU): the North Hollywood Area (Area 1), containing the North Hollywood Operable Unit (NHOU) and the Burbank Operable Unit (BOU); the Crystal Springs Area (Area 2), containing the Glendale North and South Operable Units (GNOU

and GSOU); and, the Pollock Area (Area 4), which was not established as an OU due to the LADWP Wellhead Treatment Plant in the Pollock Wellfield.

Currently, USEPA's remedial investigation monitoring well network in the SFV is composed of 87 remedial investigation monitoring wells located in the four Areas of the Superfund Site (Figure 1-2). Three of the shallow water table wells (vertical profile borings [VPBs] PO-VPB-04, PO-VPB-09, and PO-VPB-11) are screened in bedrock and were never completed as monitoring wells. Thus, these wells have not been included in the sampling events described herein. Well completion details are presented in Appendix A.

1.2 Background

TCE and PCE data obtained from CH2M HILL's SFV database were used to separate the 84 remedial investigation wells into two categories prior to beginning the monitoring program in 1992: those recommended for quarterly sampling and those recommended for annual sampling. All 84 of the remedial investigation wells were originally included in the annual monitoring program. Of these 84, 41 wells historically having concentrations of TCE and/or PCE in excess of federal and state MCLs were placed into the quarterly monitoring program (CH2M HILL, 1991). During the history of the monitoring program, the sampling frequency for the remedial investigation monitoring wells has been modified by USEPA based on measured concentrations of volatile organic compounds (VOCs) and/or other constituents of concern exceeding their respective MCL. Currently, the SFV monitoring program has two categories: an annual sampling program, including all 84 monitoring wells, and a quarterly sampling program that includes all of the remedial investigation monitoring wells exceeding the VOC MCLs or any of the other evaluation criteria (approximately 45 of the 84 monitoring wells). Although hexavalent chromium is not a constituent of concern as defined in the Record of Decision, USEPA is aware of the increasing concern regarding hexavalent chromium in groundwater. This awareness has resulted in the inclusion of hexavalent chromium concentrations in re-evaluations of the sampling frequency for the remedial investigation monitoring wells. For the purposes of determining sampling frequency, when a monitoring well has an observed hexavalent chromium concentration of 5 micrograms per liter (µg/L) or greater (one-tenth of the MCL for total dissolved chromium), the well will be sampled quarterly. A summary of remedial investigation wells sampled during the first, second, third, and fourth quarter sampling events of 2005 is presented in Table 1-1.

1.3 Report Organization

This report is organized into sections that describe the activities and analytical results of the sampling events stated above. Section 2.0 describes the observations, procedures, activities, field measurements, and analytical results of the first, second, third, and fourth quarter sampling events. Section 3.0 presents a historic comparison of the analytical data from the first, second, third, and fourth quarter sampling events. Included are relationships between water levels, TCE, PCE, other VOCs, and nitrate data. Historical concentrations of TCE, PCE, and nitrate are also presented graphically in this section. References are presented in Section 4.0.

Construction data for remedial investigation monitoring wells are presented in Appendix A. Criteria for the rationale used in selection of data representative of current conditions are presented in Appendix B. Appendix C contains information on submersible pump installation. Copies of the Field Quality Control Summary forms from the first, second, third, and fourth quarter sampling events are provided in Appendix D. Summaries of all detected compounds for these sampling events and quality assurance samples are presented in Appendices E and F, respectively. TCE and PCE concentration data are presented in Appendices G and H, respectively. Appendix I presents graphs of historical TCE and PCE concentrations and groundwater elevations for wells in the remedial investigation.

TABLE 1-1
Wells Sampled - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
CS-C01-105	Dry	Dry	Dry	12/22/2005
CS-C01-285	3/21/2005	6/14/2005	9/16/2005	12/22/2005
CS-C01-558	A	A	A	12/15/2005
CS-C02-062	3/22/2005	6/15/2005	9/16/2005	12/27/2005
CS-C02-180	3/22/2005	6/15/2005	9/16/2005	12/27/2005
CS-C02-250	3/22/2005	6/15/2005	9/16/2005	12/27/2005
CS-C02-335	3/22/2005	6/15/2005	9/16/2005	12/27/2005
CS-C03-100	3/23/2005	6/15/2005	9/19/2005	1/3/2006
CS-C03-325	A	A	A	12/16/2005
CS-C03-465	3/23/2005	6/15/2005	9/19/2005	1/3/2006
CS-C03-550	A	A	A	12/16/2005
CS-C04-290	3/23/2005	6/16/2005	9/19/2005	12/29/2005
CS-C04-382	3/23/2005	6/16/2005	9/19/2005	12/29/2005
CS-C04-520	A	A	A	12/16/2005
CS-C05-160	3/24/2005	6/16/2005	9/21/2005	12/28/2005
CS-C05-290	3/24/2005	6/16/2005	9/21/2005	12/28/2005
CS-C06-185	3/16/2005	6/17/2005	9/19/2005	12/29/2005
CS-C06-278	A	A	A	12/16/2005
CS-VPB-01	3/22/2005	6/15/2005	9/16/2005	12/28/2005
CS-VPB-02	A	A	A	12/16/2005
CS-VPB-03	3/22/2005	6/14/2005	9/21/2005	12/28/2005
CS-VPB-04	3/23/2005	6/16/2005	9/19/2005	12/29/2005
CS-VPB-05	3/24/2005	6/16/2005	9/21/2005	12/28/2005
CS-VPB-06	3/24/2005	6/17/2005	9/19/2005	12/29/2005
CS-VPB-07	3/22/2005	6/15/2005	9/21/2005	12/28/2005
CS-VPB-08	3/22/2005	6/14/2005	9/19/2005	12/29/2005
CS-VPB-09	3/16/2005	6/9/2005	9/21/2005	12/16/2005
CS-VPB-10	3/24/2005	6/16/2005	9/19/2005	12/29/2005
CS-VPB-11	Dry	Dry	Dry	Inoperable
NH-C01-325	3/15/2005	Inoperable	Inoperable	Inoperable
NH-C01-450	Inoperable	Inoperable	Inoperable	Inoperable
NH-C01-660	A	A	A	12/13/2005

TABLE 1-1
Wells Sampled - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
NH-C01-780	A	A	A	12/13/2005
NH-C02-220	Dry	Dry	Dry	Inoperable
NH-C02-325	3/21/2005	6/13/2005	9/15/2005	12/22/2005
NH-C02-520	3/21/2005	6/13/2005	9/15/2005	12/22/2005
NH-C02-681	A	A	A	12/14/2005
NH-C03-380	3/18/2005	6/13/2005	9/15/2005	12/14/2005
NH-C03-580	3/18/2005	6/13/2005	9/15/2005	12/21/2005
NH-C03-680	3/15/2005	6/8/2005	9/12/2005	12/14/2005
NH-C03-800	A	A	A	12/13/2005
NH-C04-240	A	A	A	12/15/2005
NH-C04-375	A	A	A	12/15/2005
NH-C04-560	A	A	A	12/15/2005
NH-C05-320	Dry	Dry	Dry	Dry
NH-C05-460	3/18/2005	6/13/2005	9/15/2005	12/21/2005
NH-C06-160	3/21/2005	6/8/2005	9/15/2005	12/15/2005
NH-C06-285	3/21/2005	6/14/2005	9/15/2005	12/21/2005
NH-C06-425	A	A	A	12/15/2005
NH-VPB-01	3/21/2005	6/14/2005	9/16/2005	12/27/2005
NH-VPB-02	Dry	Dry	Dry	Dry
NH-VPB-03	No Pump	No Pump	No Pump	Dry
NH-VPB-04	A	A	A	No H2O to Surface
NH-VPB-05	3/15/2005	6/8/2005	9/16/2005	12/14/2005
NH-VPB-06	Dry	Dry	Dry	No H2O to Surface
NH-VPB-07	Dry	Dry	Dry	Dry
NH-VPB-08	3/15/2005	6/8/2005	9/12/2005	12/14/2005
NH-VPB-09	No Pump	No Pump	No Pump	No Pump
NH-VPB-10	A	A	A	12/22/2005
NH-VPB-11	Dry	Dry	Dry	No H2O to Surface
NH-VPB-12	Dry	Dry	Pump 155' WL 153'	Dry
NH-VPB-13	Dry	Dry	Dry	No H2O to Surface
NH-VPB-14	Dry	Dry	Dry	Dry
PO-C01-195	3/24/2005	6/17/2005	9/22/2005	1/3/2006

TABLE 1-1
Wells Sampled - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
PO-C01-354	A	A	A	12/20/2005
PO-C02-053	3/16/2005	6/9/2005	9/13/2005	12/19/2005
PO-C02-205	A	A	A	12/19/2005
PO-C03-182	3/16/2005	6/10/2005	9/13/2005	12/19/2005
PO-C03-235	A	A	A	12/19/2005
PO-VPB-01	3/16/2005	6/9/2005	9/13/2005	12/19/2005
PO-VPB-02	3/24/2005	6/17/2005	9/22/2005	1/3/2006
PO-VPB-03	3/24/2005	Blocked	Blocked	Blocked
PO-VPB-04	Inactive	Inactive	Inactive	Inactive
PO-VPB-05	A	A	A	12/20/2005
PO-VPB-06	A	A	A	12/19/2005
PO-VPB-07	3/16/2005	6/9/2005	9/22/2005	1/3/2006
PO-VPB-08	3/23/2005	6/17/2005	9/22/2005	1/3/2006
PO-VPB-09	Inactive	Inactive	Inactive	Inactive
PO-VPB-10	A	A	A	Not Sampled
PO-VPB-11	Inactive	Inactive	Inactive	Inactive
VD-VPB-01	Dry	Dry	9/14/2005	12/2/2005
VD-VPB-02	3/17/2005	6/10/2005	9/14/2005	12/20/2005
VD-VPB-03	3/17/2005	6/10/2005	9/14/2005	12/20/2005
VD-VPB-04	Inoperable	Inoperable	Inoperable	Inoperable
VD-VPB-05	Dry	Dry	Dry	Dry
VD-VPB-06	3/17/2005	6/10/2005	9/14/2005	12/20/2005
VD-VPB-07	3/17/2005	6/10/2005	9/14/2005	12/20/2005

Notes:

A = Wells included in annual sampling event only
Inoperable = Pump inoperable
Dry = Water level below pump intake
Inactive = No pump, screened in bedrock
No H2O to Surface = Pump works, no H2O to surface

SECTION 2.0

2005 Quarterly Sampling Events

2.1 Sampling Activities

Field sampling procedures for each of the 2005 quarterly sampling events followed the revised project Sampling and Analysis Plan (SAP), Quality Assurance Project Plan (QAPP) (E2 Consulting Engineers, 1999a-b), Addendum No. 2 to the QAPP (E2 Consulting Engineers, 1999c), and Addendum No. 3 to the SAP (E2 Consulting Engineers, 1999d). Water levels were measured in each well immediately after accessing the well and prior to sampling. The measured depth-to-water and calculated groundwater elevation in feet above mean sea level are presented for each well sampled in Table 2-1. During 2005, 21 remedial investigation monitoring wells (CS-C01-105, CS-VPB-11, NH-C1-325, NH-C01-450, NH-C02-220, NH-C05-320, NH-VPB-02, NH-VPB-03, NH-VPB-04, NH-VPB-06, NH-VPB-07, NH-VPB-09, NH-VPB-11, NH-VPB-12, NH-VPB-13, NH-VPB-14, PO-VPB-03, PO-VPB-10, VD-VPB-01, VD-VPB-04, and VD-VPB-05) were not sampled during one or more of the quarterly events. Reasons a given well may not have been sampled include: inadequate water levels for pump submergence, inoperable pump, removal of the pump, or surface obstructions.

Well purging consisted of removing three to five well volumes of water at a flow rate between 2 and 12 gallons per minute and using the dedicated electric pumps. During purging, pH, temperature, electrical conductivity, and turbidity of the groundwater were measured periodically (Table 2-2) to ensure that these parameters stabilized prior to sampling. Following purging, flow rates were lowered to approximately 1 gallon per minute to minimize aeration prior to sampling. Purge water from monitoring wells where recent VOC concentrations exceeded the MCLs was collected in a stainless-steel vacuum truck certified "clean" and site-dedicated by Haz Mat Transportation, Inc. Once collected, the purge water was transported to the City of Burbank water treatment facility for disposal. Purge water from monitoring wells where recent VOC concentrations were below the MCLs was diverted into the nearest storm drain.

During the first, second, and third quarter 2005 sampling events, analytical parameters consisted of VOCs including methyl tertiary butyl ether (MTBE), nitrate/nitrite, and hexavalent chromium. Samples were collected in appropriate containers from polyethylene tubing attached to an adjustable sampling valve. Samples for VOC analysis were stored in coolers packed with ice and were shipped the day of sampling by overnight carrier to laboratories designated by USEPA's Contract Laboratory Program (CLP). Samples collected for hexavalent chromium and nitrate/nitrite analyses were stored in coolers packed with ice and were shipped the day of sampling by overnight carrier to USEPA's Region 9 Laboratory.

During the fourth quarter (annual) 2005 sampling event, analytical parameters consisted of VOCs (including MTBE), nitrate/nitrite, dissolved metals, hexavalent chromium, total alkalinity, total dissolved solids (TDS), total organic carbon (TOC), major anions (chloride,

fluoride, sulfate), and hardness. Samples from selected monitoring wells were also collected for analysis of the emerging constituent of concern, 1,2,3-trichloropropane. Samples collected during the fourth quarter 2005 were preserved according to the methodology presented in the QAPP and Addendum No. 2 to the QAPP, stored in coolers packed with ice, and were shipped the day of sampling by overnight carrier to USEPA's Region 9 laboratory and other laboratories designated by the CLP.

State of California and federal MCLs and other water quality goals are listed in Table 2-3. Parameters were analyzed, chain-of-custody procedures followed, and samples documented as outlined in the SAP and QAPP. Copies of field quality assurance/quality control documentation for the first, second, third, and fourth quarter sampling events are provided in Appendix D.

2.1.1 First Quarter

The first quarter 2005 sampling event was designated as a quarterly event. During this event, 45 monitoring wells (21 VPBs and 24 cluster wells) were sampled. Fifty-eight samples were collected and analyzed, including quality control samples (field blanks, laboratory blanks, and field duplicates). Samples collected by CH2M HILL were analyzed for VOCs (including MTBE), nitrate/nitrite, and hexavalent chromium through CLP laboratories. Approximately 8,143 gallons of purge water were collected during the first quarter sampling event.

2.1.2 Second Quarter

The second quarter 2005 sampling event was also designated as a quarterly event. During this event, 43 monitoring wells (20 VPBs and 23 cluster wells) were sampled. Fifty-four samples were collected and analyzed, including samples representing quality control samples (field blanks, laboratory blanks, and field duplicates). Samples collected by CH2M HILL were analyzed for VOCs (including MTBE), nitrate/nitrite, and hexavalent chromium through CLP laboratories. Approximately 10,986 gallons of purge water were collected during the second quarter sampling event.

2.1.3 Third Quarter

The third quarter 2005 sampling event was designated as a quarterly event. During this event 44 monitoring wells (21 VPBs and 23 cluster wells) were sampled. Sixty-two samples were collected and analyzed, including quality control samples (field blanks, laboratory blanks, and field duplicates). Samples collected by CH2M HILL were analyzed for VOCs (including MTBE), nitrate/nitrite, and hexavalent chromium through CLP laboratories. During the third quarter sampling event, approximately 10,954 gallons of purge water were collected, transported, and delivered to the approved disposal facility.

2.1.4 Fourth Quarter

The fourth quarter 2005 sampling event was designated as an annual event during which 65 remedial investigation monitoring wells (25 VPBs and 40 cluster wells) were sampled. An additional 21 monitoring wells (identified above) normally included in the annual event were dry or otherwise unable to be sampled. One hundred samples, including quality control samples (field blanks, laboratory blanks, and field duplicates), were collected and

analyzed. During the fourth quarter sampling event, approximately 24,783 gallons of purge water were collected, transported, and delivered to the approved disposal facility.

2.2 Analytical Results

2.2.1 First Quarter

Reported concentrations of TCE at remedial investigation monitoring wells ranged from not detected to 4,800 µg/L during the first quarter. Samples from 32 of the 45 remedial investigation monitoring wells exhibited concentrations of TCE exceeding the MCL of 5 µg/L. Twelve of the wells had TCE concentrations greater or equal to 100 µg/L, including three wells (CS-VPB-05, CS-VPB-07, and CS-VPB-04) with a concentration over 1,000 µg/L (2,100 µg/L, 3,400 µg/L, and 4,800 µg/L, respectively). TCE was not detected in groundwater samples from six of the monitoring wells, with the remaining seven monitoring wells exhibiting concentrations between the contract required quantification limit (CRQL) and the MCL.

Concentrations of PCE during the first quarter sampling event ranged from not detected to 370 µg/L (CS-C02-335). Of the 45 remedial investigation monitoring wells sampled, 22 had concentrations exceeding the MCL of 5 µg/L, including six wells (CS-VPB-08, CS-VPB-04, CS-VPB-01, CS-C01-285, CS-C03-100, and CS-C02-335) with concentrations over 100 µg/L (180 µg/L, 200 µg/L, 220 µg/L, 240 µg/L, 280 µg/L, and 370 µg/L, respectively). PCE was not detected in groundwater samples from three of the monitoring wells, with the remaining 19 monitoring wells exhibiting concentrations between the CRQL and the MCL.

Nitrate as NO_3 ranged from not detected at NH-C05-460 to 66.75 mg/L at NH-C06-160. Samples from 13 of the 45 remedial investigation monitoring wells sampled during the first quarter exceeded the nitrate MCL of 45 mg/L (as NO_3).

Hexavalent chromium concentrations exceeding the method detection limit (MDL) of 0.2 µg/L were detected in samples from 41 of the 45 remedial investigation monitoring wells during the first quarter of 2005 (Table 2-9). Concentrations above 5 µg/L were detected in 11 remedial investigation monitoring wells: CS-C02-335 with 5.4 µg/L, CS-C02-250 with 6.7 µg/L, NH-C06-160 with 7 µg/L, CS-VPB-06 with 14 µg/L, CS-C05-160 with 15 µg/L, CS-C03-100 with 17 µg/L, CS-VPB-03 with 32 µg/L, CS-VPB-07 with 82 µg/L, PO-VPB-02 with 330 µg/L, CS-VPB-05 with 370 µg/L, and CS-VPB-04 with 480 µg/L. The maximum concentration was at CS-VPB-04 with 480 µg/L.

TCE, PCE, and nitrate data from the first quarter sampling event are presented in Table 2-4. Additional VOCs exceeding the MCL at remedial investigation monitoring wells are reported in Section 3.0. Appendix E summarizes the analytical results for the wells sampled during the third quarter. Results of duplicate samples and field blanks for the third quarter sampling event are presented in Appendix F.

2.2.2 Second Quarter

Reported concentrations of TCE at remedial investigation monitoring wells ranged from non-detectable to 3,600 µg/L during the second quarter. Samples from thirty of the 43 remedial investigation monitoring wells exhibited concentrations of TCE exceeding the

MCL of 5 µg/L. Twelve of the wells had TCE concentrations greater than 100 µg/L, including three wells (CS-VPB-05, CS-VPB-04, and CS-VPB-07) with concentrations over 1,000 µg/L (2,100 µg/L, 3,300 µg/L, and 3,600 µg/L, respectively). TCE concentrations at five of the monitoring wells were flagged as non-detectable, with the remaining six monitoring wells exhibiting concentrations between the CRQL and the MCL.

Concentrations of PCE during the second quarter sampling event ranged from non-detectable to 310 µg/L (CS-C02-335). Samples from 22 of the 43 remedial investigation monitoring wells exhibited concentrations of PCE exceeding the MCL of 5 µg/L, including five wells (CS-VPB-01, CS-VPB-08, CS-C01-285, CS-VPB-04, and CS-C02-335) with concentrations over 100 µg/L (130 µg/L, 140 µg/L, 180 µg/L, 190 µg/L, and 310 µg/L, respectively). The PCE concentrations at two monitoring wells were flagged as non-detectable and the remaining 19 monitoring wells had PCE concentrations between the CRQL and the MCL.

Nitrate (as NO_3) ranged from 4.5 mg/L at NH-C03-680 to 84.6 mg/L at NH-VPB-05. Samples from twelve of the 45 remedial investigation monitoring wells sampled during the second quarter exceeded the nitrate MCL of 45 mg/L (as NO_3). Five wells were not analyzed for nitrate (CS-C06-185, CS-VPB-06, PO-C01-195, PO-VPB-02, and PO-VPB-08) as a result of a delivery error by the shipping company.

Hexavalent chromium concentrations exceeding the MDL of 0.2 µg/L were detected in 35 of the 43 remedial investigation monitoring wells during the second quarter of 2005 (Table 2-10). Concentrations above 5 µg/L were detected in 11 remedial investigation monitoring wells: CS-C02-335 with 5.4 µg/L, NH-C06-160 with 5.8 µg/L, CS-C02-250 with 6.5 µg/L, CS-VPB-06 with 11.7 µg/L, CS-C05-160 with 30 µg/L, CS-VPB-03 with 35 µg/L, CS-C03-100 with 56 µg/L, CS-VPB-07 with 66 µg/L, CS-VPB-05 with 250 µg/L, PO-VPB-02 with 290 µg/L, and CS-VPB-04 with 420 µg/L. The maximum concentration was at CS-VPB-04 with 420 µg/L. Samples from well CS-C06-185 and PO-VPB-08 were not analyzed for hexavalent chromium due to a delivery error by the shipping company resulting in the samples being delivered past the holding time.

TCE, PCE, and nitrate data from the second quarter sampling event are presented in Table 2-5. Additional VOCs exceeding the MCL at remedial investigation monitoring wells are reported in Section 3.0. Appendix E summarizes the analytical results for the wells sampled during the third quarter. Results of duplicate samples and field blanks for the third quarter sampling event are presented in Appendix F.

2.2.3 Third Quarter

At the 44 remedial investigation monitoring wells sampled during the third quarter sampling event, TCE concentrations ranged from not detected at 5 monitoring wells to 1,900 µg/L at CS-VPB-04. Thirty of the wells had reported concentrations of TCE exceeding 5 µg/L, including 11 with concentrations over 100 µg/L. Samples from three of these monitoring wells contained TCE concentrations of 1,000 µg/L or above (CS-VPB-05 with 1,500 µg/L, CS-VPB-07 with 1,600 µg/L, and CS-VPB-04 with 1,900 µg/L).

Concentrations of PCE ranged from not detected to 190 µg/L at CS-VPB-01. Samples from 20 of the 44 remedial investigation monitoring wells exhibited concentrations of PCE exceeding the MCL of 5 µg/L. Consistent with the previous quarter, five of these wells

(CS-C01-285, CS-VPB-04, CS-VPB-08, CS-C02-335, and CS-VPB-01) had PCE concentrations above 100 µg/L. All of the monitoring wells exceeding the MCL for PCE also exceeded the MCL for TCE, with the exception of CS-VPB-09.

During the third quarter, nitrate (as NO_3) concentrations ranged from 4.4 mg/L at CS-C03-465 to 75.7 mg/L at NH-C06-160. Samples from 12 of the 44 wells sampled during this event exhibited nitrate (as NO_3) concentrations greater than the MCL of 45 mg/L.

Hexavalent chromium concentrations exceeding the MDL of 0.2 µg/L were observed in 21 remedial investigation monitoring wells during the third quarter of 2005 (Table 2-10). Concentrations above 5 µg/L were detected in 12 remedial investigation monitoring wells: CS-C01-285 with 5.5 µg/L, CS-C02-335 with 5.5 µg/L, CS-C02-250 with 6.2 µg/L, NH-C06-160 with 6.9 µg/L, CS-VPB-06 with 10 µg/L, CS-VPB-07 with 35 µg/L, CS-VPB-03 with 40 µg/L, CS-C05-160 with 43 µg/L, CS-C03-100 with 51 µg/L, CS-VPB-05 with 240 µg/L, PO-VPB-02 with 250 µg/L, and CS-VPB-04 with 450 µg/L. The maximum concentration detected was at CS-VPB-04 with 450 µg/L.

TCE, PCE, and nitrate data from the third quarter sampling event are presented in Table 2-6. Additional VOCs exceeding the MCL at remedial investigation monitoring wells are reported in Section 3.0. Appendix E summarizes the analytical results for the wells sampled during the third quarter. Results of duplicate samples and field blanks for the third quarter sampling event are presented in Appendix F.

2.2.4 Fourth Quarter

In the 65 remedial investigation monitoring wells sampled during the fourth quarter sampling event, TCE concentrations ranged from not detected at 16 monitoring wells to 2,200 µg/L at CS-VPB-07. Samples from 33 of the monitoring wells contained concentrations of TCE exceeding 5 µg/L, including 10 monitoring wells with concentrations over 100 µg/L, two of which had detected concentrations above 1,000 µg/L (CS-VPB-04 with 1,700 µg/L and CS-VPB-07 with 2,200 µg/L).

Concentrations of PCE ranged from the MCL at samples from 44 monitoring wells to 200 µg/L at CS-C02-335. Samples from 21 of the 65 remedial investigation monitoring wells exhibited concentrations of PCE exceeding the MCL of 5 µg/L during the fourth quarter event. Six of these wells (CS-VPB-01, CS-C03-100, CS-VPB-04, CS-C01-285, CS-VPB-08, and CS-C02-335) had detected PCE concentrations above 100 µg/L. All of the monitoring wells where PCE concentrations exceeded the MCL for PCE also had TCE concentrations that exceeded the MCL for TCE, with the exception of CS-VPB-09.

During the fourth quarter, nitrate (as NO_3) concentrations ranged from not detected at three monitoring wells to 133.5 mg/L at CS-C01-105. Samples from 14 of the 65 wells sampled during this event contained nitrate (as NO_3) concentrations greater than the MCL of 45 mg/L.

Hexavalent chromium concentrations exceeding the MDL of 0.2 µg/L were detected in 47 remedial investigation monitoring wells during the fourth quarter of 2004 (Table 2-10). Concentrations above 5 µg/L were detected in 14 remedial investigation monitoring wells: CS-C02-250 with 5.6 µg/L, CS-VPB-07 with 5.7 µg/L, NH-C04-240 with 5.9 µg/L, CS-C01-285 with 6 µg/L, NH-C04-375 with 6 µg/L, CS-VPB-09 with 6.3 µg/L, NH-C06-160 with

6.8 µg/L, CS-VPB-06 with 10 µg/L, CS-C05-160 with 36 µg/L, CS-VPB-03 with 49 µg/L, CS-C03-100 with 59 µg/L, PO-VPB-02 with 260 µg/L, CS-VPB-05 with 270 µg/L, and CS-VPB-04 with 550 µg/L. The maximum concentration detected was at CS-VPB-04 with 550 µg/L.

TCE, PCE, and nitrate data from the fourth quarter sampling event are presented in Table 2-7. Results of the general water chemistry observed during the annual event of 2005 are presented in Table 2-8; the results of dissolved metals exceeding water quality thresholds is in Table 2-9; and a quarterly comparison of hexavalent chromium concentrations is presented in Table 2-10. Appendix E summarizes the complete analytical results for the wells sampled during the fourth quarter. Results of duplicate samples and field blanks for the fourth quarter sampling event are presented in Appendix F.

TABLE 2-1
Groundwater Elevation - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Depth to Water (ft bgs)	Groundwater Elevation (ft msl)
CS-C01-105	NS	NS	NS
CS-C01-105	NS	NS	NS
CS-C01-105	03/21/2005	99.92	442.47
CS-C01-105	09/16/2005	95.16	447.23
CS-C01-285	NS	NS	NS
CS-C01-285	03/21/2005	98.15	444.33
CS-C01-285	06/14/2005	96.14	446.34
CS-C01-285	09/16/2005	94.75	447.73
CS-C01-558	NS	NS	NS
CS-C01-558	NS	NS	NS
CS-C01-558	NS	NS	NS
CS-C01-558	12/15/2005	94	448.55
CS-C02-062	03/22/2005	43.89	431.86
CS-C02-062	06/15/2005	43.45	432.3
CS-C02-062	09/16/2005	42.96	432.79
CS-C02-062	12/27/2005	41.2	434.55
CS-C02-180	03/22/2005	43.74	431.85
CS-C02-180	06/15/2005	43.09	432.5
CS-C02-180	09/16/2005	42.65	432.94
CS-C02-180	12/27/2005	40.9	434.69
CS-C02-250	03/22/2005	43.47	432.13
CS-C02-250	06/15/2005	42.92	432.68
CS-C02-250	09/16/2005	42.43	433.17
CS-C02-250	12/27/2005	40.62	434.98
CS-C02-335	NS	NS	NS
CS-C02-335	06/15/2005	42.8	433.06
CS-C02-335	09/16/2005	42.23	433.63
CS-C02-335	12/27/2005	38.55	437.31
CS-C03-100	NS	NS	NS
CS-C03-100	03/23/2005	58.64	428.71
CS-C03-100	06/15/2005	57.69	429.66
CS-C03-100	09/19/2005	57	430.35
CS-C03-325	NS	NS	NS
CS-C03-325	NS	NS	NS
CS-C03-325	NS	NS	NS
CS-C03-325	12/16/2005	56.45	431.09
CS-C03-465	NS	NS	NS
CS-C03-465	03/23/2005	59.85	428.28
CS-C03-465	06/15/2005	59.75	428.38
CS-C03-465	09/19/2005	58.95	429.18

Well ID	Sample Date	Depth to Water (ft bgs)	Groundwater Elevation (ft msl)
CS-C03-550	NS	NS	NS
CS-C03-550	NS	NS	NS
CS-C03-550	NS	NS	NS
CS-C03-550	12/16/2005	56.78	430.49
CS-C04-290	03/23/2005	50.59	427.63
CS-C04-290	06/16/2005	50.29	427.93
CS-C04-290	09/19/2005	49.75	428.47
CS-C04-290	12/29/2005	47.82	430.4
CS-C04-382	03/23/2005	50.53	427.23
CS-C04-382	06/16/2005	50.25	427.51
CS-C04-382	09/19/2005	49.55	428.21
CS-C04-382	12/29/2005	47.75	430.01
CS-C04-520	NS	NS	NS
CS-C04-520	NS	NS	NS
CS-C04-520	NS	NS	NS
CS-C04-520	12/16/2005	47.71	430.17
CS-C05-160	03/24/2005	36.98	421.89
CS-C05-160	06/16/2005	36.68	422.19
CS-C05-160	09/21/2005	35.99	422.88
CS-C05-160	12/28/2005	34.5	424.37
CS-C05-290	03/24/2005	37.29	422.02
CS-C05-290	06/16/2005	37	422.31
CS-C05-290	09/21/2005	36.49	422.82
CS-C05-290	12/28/2005	35	424.31
CS-C06-185	03/16/2005	38.32	417.37
CS-C06-185	06/17/2005	38.15	417.54
CS-C06-185	09/19/2005	37.89	417.8
CS-C06-185	12/29/2005	36.59	419.1
CS-C06-278	NS	NS	NS
CS-C06-278	NS	NS	NS
CS-C06-278	NS	NS	NS
CS-C06-278	12/16/2005	36.6	418.71
CS-VPB-01	03/22/2005	62.53	436
CS-VPB-01	06/15/2005	61.4	437.13
CS-VPB-01	09/16/2005	60.82	437.71
CS-VPB-01	12/28/2005	59.1	439.43
CS-VPB-02	NS	NS	NS
CS-VPB-02	NS	NS	NS
CS-VPB-02	NS	NS	NS
CS-VPB-02	12/16/2005	66.27	441.23

TABLE 2-1
Groundwater Elevation - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Depth to Water (ft bgs)	Groundwater Elevation (ft msl)
CS-VPB-03	03/22/2005	67.3	450.52
CS-VPB-03	06/14/2005	66.72	451.1
CS-VPB-03	09/21/2005	65.28	452.54
CS-VPB-03	12/28/2005	64.01	453.81
CS-VPB-04	03/23/2005	51.44	427.03
CS-VPB-04	06/16/2005	50.92	427.55
CS-VPB-04	09/19/2005	50.42	428.05
CS-VPB-04	12/29/2005	48.43	430.04
CS-VPB-05	03/24/2005	37.69	421.92
CS-VPB-05	06/16/2005	37.35	422.26
CS-VPB-05	09/21/2005	36.69	422.92
CS-VPB-05	12/28/2005	35.1	424.51
CS-VPB-06	03/24/2005	39.18	416.26
CS-VPB-06	06/17/2005	39.22	416.22
CS-VPB-06	09/19/2005	39.15	416.29
CS-VPB-06	12/29/2005	37.9	417.54
CS-VPB-07	03/22/2005	65.01	429.43
CS-VPB-07	06/15/2005	63.97	430.47
CS-VPB-07	09/21/2005	62.89	431.55
CS-VPB-07	12/28/2005	61.38	433.06
CS-VPB-08	NS	NS	NS
CS-VPB-08	06/14/2005	54.34	428.71
CS-VPB-08	09/19/2005	53.9	429.15
CS-VPB-08	12/29/2005	51.97	431.08
CS-VPB-09	03/16/2005	54.85	430.88
CS-VPB-09	06/09/2005	53.64	432.09
CS-VPB-09	09/21/2005	53.8	431.93
CS-VPB-09	12/16/2005	50.82	434.91
CS-VPB-10	03/24/2005	64.65	415.01
CS-VPB-10	06/16/2005	64.24	415.42
CS-VPB-10	09/19/2005	63.94	415.72
CS-VPB-10	12/29/2005	62.71	416.95
CS-VPB-11	NS	NS	NS
CS-VPB-11	NS	NS	NS
CS-VPB-11	NS	NS	NS
CS-VPB-11	09/13/2005	83.56	NS
NH-C01-325	NS	NS	NS
NH-C01-325	NS	NS	NS
NH-C01-325	NS	NS	NS
NH-C01-325	03/15/2005	313.01	NS

Well ID	Sample Date	Depth to Water (ft bgs)	Groundwater Elevation (ft msl)
NH-C01-450	NS	NS	NS
NH-C01-450	NS	NS	NS
NH-C01-450	NS	NS	NS
NH-C01-450	NS	NS	NS
NH-C01-660	NS	NS	NS
NH-C01-660	NS	NS	NS
NH-C01-660	NS	NS	NS
NH-C01-660	12/13/2005	291.68	489.62
NH-C01-780	NS	NS	NS
NH-C01-780	NS	NS	NS
NH-C01-780	NS	NS	NS
NH-C01-780	12/13/2005	291.29	490.18
NH-C02-220	NS	NS	NS
NH-C02-220	NS	NS	NS
NH-C02-220	NS	NS	NS
NH-C02-220	09/15/2005	194.2	NS
NH-C02-325	NS	NS	NS
NH-C02-325	06/13/2005	194.57	462.15
NH-C02-325	09/15/2005	191.48	465.24
NH-C02-325	12/22/2005	186.19	470.53
NH-C02-520	03/21/2005	194	463.04
NH-C02-520	06/13/2005	191.64	465.4
NH-C02-520	09/15/2005	188.76	468.28
NH-C02-520	12/22/2005	182.3	474.74
NH-C02-681	NS	NS	NS
NH-C02-681	NS	NS	NS
NH-C02-681	NS	NS	NS
NH-C02-681	12/14/2005	177.55	479.41
NH-C03-380	03/18/2005	242.64	465.51
NH-C03-380	06/13/2005	239.37	468.78
NH-C03-380	09/15/2005	236.62	471.53
NH-C03-380	12/14/2005	229.1	479.05
NH-C03-580	03/18/2005	240.8	467.9
NH-C03-580	06/13/2005	237.54	471.16
NH-C03-580	09/15/2005	235.22	473.48
NH-C03-580	12/21/2005	225.99	482.71
NH-C03-680	03/15/2005	239	469.02
NH-C03-680	06/08/2005	238.75	469.27
NH-C03-680	09/12/2005	233.52	474.5
NH-C03-680	12/14/2005	224.92	483.1

TABLE 2-1
Groundwater Elevation - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Depth to Water (ft bgs)	Groundwater Elevation (ft msl)
NH-C03-800	NS	NS	NS
NH-C03-800	NS	NS	NS
NH-C03-800	NS	NS	NS
NH-C03-800	12/13/2005	222.55	486
NH-C04-240	NS	NS	NS
NH-C04-240	NS	NS	NS
NH-C04-240	NS	NS	NS
NH-C04-240	12/15/2005	100.6	457.28
NH-C04-375	NS	NS	NS
NH-C04-375	NS	NS	NS
NH-C04-375	NS	NS	NS
NH-C04-375	12/15/2005	94.95	462.8
NH-C04-560	NS	NS	NS
NH-C04-560	NS	NS	NS
NH-C04-560	NS	NS	NS
NH-C04-560	12/15/2005	92.3	465.04
NH-C05-320	NS	NS	NS
NH-C05-320	03/18/2005	303.58	468.81
NH-C05-320	09/15/2005	292.7	479.69
NH-C05-320	12/21/2005	284.23	488.16
NH-C05-460	03/18/2005	302.36	469.79
NH-C05-460	06/13/2005	295.96	476.19
NH-C05-460	09/15/2005	291.92	480.23
NH-C05-460	12/21/2005	283.29	488.86
NH-C06-160	03/21/2005	131.65	457.85
NH-C06-160	06/08/2005	129.41	460.09
NH-C06-160	09/15/2005	126.45	463.05
NH-C06-160	12/15/2005	123.79	465.71
NH-C06-285	03/21/2005	134.1	464.14
NH-C06-285	06/14/2005	131.47	466.77
NH-C06-285	09/15/2005	129.24	469
NH-C06-285	12/21/2005	125.8	472.44
NH-C06-425	NS	NS	NS
NH-C06-425	NS	NS	NS
NH-C06-425	NS	NS	NS
NH-C06-425	12/15/2005	125.95	463.49
NH-VPB-01	03/21/2005	113.77	445.36
NH-VPB-01	06/14/2005	110.2	448.93
NH-VPB-01	09/16/2005	108.49	450.64
NH-VPB-01	12/27/2005	106.9	452.23

Well ID	Sample Date	Depth to Water (ft bgs)	Groundwater Elevation (ft msl)
NH-VPB-02	NS	NS	NS
NH-VPB-02	NS	NS	NS
NH-VPB-02	03/15/2005	244.7	465.8
NH-VPB-02	09/13/2005	242.95	467.55
NH-VPB-03	NS	NS	NS
NH-VPB-03	NS	NS	NS
NH-VPB-03	NS	NS	NS
NH-VPB-03	NS	NS	NS
NH-VPB-04	NS	NS	NS
NH-VPB-04	NS	NS	NS
NH-VPB-04	NS	NS	NS
NH-VPB-04	NS	NS	NS
NH-VPB-05	03/15/2005	197.75	458.93
NH-VPB-05	06/08/2005	195.58	461.1
NH-VPB-05	09/16/2005	192.31	464.37
NH-VPB-05	12/14/2005	187.73	468.95
NH-VPB-06	NS	NS	NS
NH-VPB-06	NS	NS	NS
NH-VPB-06	NS	NS	NS
NH-VPB-06	NS	NS	NS
NH-VPB-07	NS	NS	NS
NH-VPB-07	NS	NS	NS
NH-VPB-07	NS	NS	NS
NH-VPB-07	NS	NS	NS
NH-VPB-08	03/15/2005	207.29	461.39
NH-VPB-08	06/08/2005	203.33	465.35
NH-VPB-08	09/12/2005	201.55	467.13
NH-VPB-08	12/14/2005	195.9	472.78
NH-VPB-09	NS	NS	NS
NH-VPB-09	NS	NS	NS
NH-VPB-09	NS	NS	NS
NH-VPB-09	NS	NS	NS
NH-VPB-10	NS	NS	NS
NH-VPB-10	NS	NS	NS
NH-VPB-10	NS	NS	NS
NH-VPB-10	12/22/2005	237.56	525.72
NH-VPB-11	NS	NS	NS
NH-VPB-11	NS	NS	NS
NH-VPB-11	NS	NS	NS
NH-VPB-11	12/21/2005	294.61	495.27

TABLE 2-1
Groundwater Elevation - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Depth to Water (ft bgs)	Groundwater Elevation (ft msl)
NH-VPB-12	NS	NS	NS
NH-VPB-12	NS	NS	NS
NH-VPB-12	NS	NS	NS
NH-VPB-12	NS	NS	NS
NH-VPB-13	NS	NS	NS
NH-VPB-13	NS	NS	NS
NH-VPB-13	NS	NS	NS
NH-VPB-13	12/21/2005	347.8	507.26
NH-VPB-14	NS	NS	NS
NH-VPB-14	NS	NS	NS
NH-VPB-14	NS	NS	NS
NH-VPB-14	NS	NS	NS
PO-C01-195	NS	NS	NS
PO-C01-195	03/24/2005	43.15	400.57
PO-C01-195	06/17/2005	44.52	399.2
PO-C01-195	09/22/2005	44.39	399.33
PO-C01-354	NS	NS	NS
PO-C01-354	NS	NS	NS
PO-C01-354	NS	NS	NS
PO-C01-354	12/20/2005	42.71	399.59
PO-C02-053	03/16/2005	35.18	391.34
PO-C02-053	06/09/2005	36.91	389.61
PO-C02-053	09/13/2005	37.66	388.86
PO-C02-053	12/19/2005	37.6	388.92
PO-C02-205	NS	NS	NS
PO-C02-205	NS	NS	NS
PO-C02-205	NS	NS	NS
PO-C02-205	12/19/2005	35.1	391.69
PO-C03-182	03/16/2005	43	342.15
PO-C03-182	06/10/2005	45.53	339.62
PO-C03-182	09/13/2005	47.42	337.73
PO-C03-182	12/19/2005	48.85	336.3
PO-C03-235	NS	NS	NS
PO-C03-235	NS	NS	NS
PO-C03-235	NS	NS	NS
PO-C03-235	12/19/2005	48.79	336.2
PO-VPB-01	03/16/2005	22.3	389.03
PO-VPB-01	06/09/2005	24	387.33
PO-VPB-01	09/13/2005	25.25	386.08
PO-VPB-01	12/19/2005	25.05	386.28

Well ID	Sample Date	Depth to Water (ft bgs)	Groundwater Elevation (ft msl)
PO-VPB-02	NS	NS	NS
PO-VPB-02	03/24/2005	43.15	400.26
PO-VPB-02	06/17/2005	44.58	398.83
PO-VPB-02	09/22/2005	44.33	399.08
PO-VPB-03	NS	NS	NS
PO-VPB-03	NS	NS	NS
PO-VPB-03	NS	NS	NS
PO-VPB-03	03/24/2005	35.58	NS
PO-VPB-04	NS	NS	NS
PO-VPB-04	NS	NS	NS
PO-VPB-04	NS	NS	NS
PO-VPB-04	NS	NS	NS
PO-VPB-05	NS	NS	NS
PO-VPB-05	NS	NS	NS
PO-VPB-05	NS	NS	NS
PO-VPB-05	12/20/2005	34.72	331.85
PO-VPB-06	NS	NS	NS
PO-VPB-06	NS	NS	NS
PO-VPB-06	NS	NS	NS
PO-VPB-06	12/19/2005	22.3	324.17
PO-VPB-07	NS	NS	NS
PO-VPB-07	03/16/2005	55.5	338.74
PO-VPB-07	06/09/2005	56	338.24
PO-VPB-07	09/22/2005	58.02	336.22
PO-VPB-08	NS	NS	NS
PO-VPB-08	03/23/2005	16.2	315.1
PO-VPB-08	06/17/2005	17.6	313.7
PO-VPB-08	09/22/2005	17.81	313.49
PO-VPB-09	NS	NS	NS
PO-VPB-09	NS	NS	NS
PO-VPB-09	NS	NS	NS
PO-VPB-09	NS	NS	NS
PO-VPB-10	NS	NS	NS
PO-VPB-10	NS	NS	NS
PO-VPB-10	NS	NS	NS
PO-VPB-10	NS	NS	NS
PO-VPB-11	NS	NS	NS
PO-VPB-11	NS	NS	NS
PO-VPB-11	NS	NS	NS
PO-VPB-11	NS	NS	NS

TABLE 2-1
Groundwater Elevation - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Depth to Water (ft bgs)	Groundwater Elevation (ft msl)
VD-VPB-01	NS	NS	NS
VD-VPB-01	03/17/2005	202.35	1193.01
VD-VPB-01	09/14/2005	178.46	1216.9
VD-VPB-01	12/02/2005	171.02	1224.34
VD-VPB-02	03/17/2005	106.11	1062.92
VD-VPB-02	06/10/2005	102	1067.03
VD-VPB-02	09/14/2005	91	1078.03
VD-VPB-02	12/20/2005	84.71	1084.32
VD-VPB-03	03/17/2005	15.19	800.94
VD-VPB-03	06/10/2005	13.46	802.67
VD-VPB-03	09/14/2005	12.9	803.23
VD-VPB-03	12/20/2005	13.3	802.83
VD-VPB-04	NS	NS	NS
VD-VPB-04	NS	NS	NS
VD-VPB-04	09/14/2005	54.57	931.42
VD-VPB-04	12/20/2005	53.88	932.11
VD-VPB-05	NS	NS	NS
VD-VPB-05	NS	NS	NS
VD-VPB-05	09/14/2005	120.3	1095.83
VD-VPB-05	12/20/2005	113.8	1102.33
VD-VPB-06	03/17/2005	58.8	1589.03
VD-VPB-06	06/10/2005	58.45	1589.38
VD-VPB-06	09/14/2005	56.7	1591.13
VD-VPB-06	12/20/2005	54.75	1593.08
VD-VPB-07	03/17/2005	187.85	1656.92
VD-VPB-07	06/10/2005	154.7	1690.07
VD-VPB-07	09/14/2005	155.14	1689.63
VD-VPB-07	12/20/2005	159.34	1685.43

Notes:
NS = Not sampled
ft bgs = Feet below ground surface
ft msl = Feet mean sea level

TABLE 2-2
Final Field Measurements - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Volume Purged (gal)	Temperature (deg C)	pH (pH units)	Electrical Conductivity (µS/cm)	Turbidity (NTU)
CS-C01-105	NS	NA	NA	NA	NA	NA
CS-C01-105	NS	NA	NA	NA	NA	NA
CS-C01-105	NS	NA	NA	NA	NA	NA
CS-C01-105	12/22/2005	45.00	19.90	6.93	190.00	1.86
CS-C01-285	3/21/2005	396.00	21.00	NA	496.00	2.03
CS-C01-285	6/14/2005	390.00	23.90	7.47	527.00	0.92
CS-C01-285	9/16/2005	408.00	18.50	7.74	549.00	0.51
CS-C01-285	12/22/2005	422.00	19.00	7.26	760.00	0.85
CS-C01-558	NS	NA	NA	NA	NA	NA
CS-C01-558	NS	NA	NA	NA	NA	NA
CS-C01-558	NS	NA	NA	NA	NA	NA
CS-C01-558	12/15/2005	1013.00	20.00	7.59	644.00	0.99
CS-C02-062	3/22/2005	54.00	NA	6.82	1290.00	1.54
CS-C02-062	6/15/2005	62.00	NA	7.14	1300.00	3.12
CS-C02-062	9/16/2005	70.00	NA	7.25	1260.00	7.77
CS-C02-062	12/27/2005	133.00	18.00	6.94	150.00	0.82
CS-C02-180	3/22/2005	299.00	17.90	7.48	970.00	8.27
CS-C02-180	6/15/2005	288.00	19.60	7.74	983.00	20.6
CS-C02-180	9/16/2005	297.00	NA	7.79	1080.00	7.57
CS-C02-180	12/27/2005	314.00	19.20	7.32	NA	8.39
CS-C02-250	3/22/2005	418.00	18.20	7.39	556.00	3.74
CS-C02-250	6/15/2005	420.00	NA	7.69	623.00	0.89
CS-C02-250	9/16/2005	415.00	20.00	7.95	599.00	1.3
CS-C02-250	12/27/2005	436.00	18.70	7.36	850.00	1.44
CS-C02-335	3/22/2005	NA	18.50	7.29	593.00	3.73
CS-C02-335	6/15/2005	599.00	19.10	7.56	642.00	1.09
CS-C02-335	9/16/2005	616.00	20.40	7.67	611.00	2.15
CS-C02-335	12/27/2005	637.00	18.60	7.24	870.00	2.09
CS-C03-100	3/23/2005	99.00	18.80	7.12	1030.00	NA
CS-C03-100	6/15/2005	115.00	24.30	7.44	888.00	0.34
CS-C03-100	9/19/2005	213.00	NA	7.49	905.00	0.95
CS-C03-100	1/3/2006	112.00	21.45	7.56	111.00	0.45

TABLE 2-2
Final Field Measurements - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Volume Purged (gal)	Temperature (deg C)	pH (pH units)	Electrical Conductivity (µS/cm)	Turbidity (NTU)
CS-C03-325	NS	NA	NA	NA	NA	NA
CS-C03-325	NS	NA	NA	NA	NA	NA
CS-C03-325	NS	NA	NA	NA	NA	NA
CS-C03-325	12/16/2005	589.00	21.00	7.76	90.00	1.19
CS-C03-465	3/23/2005	NA	NA	7.47	413.00	0.46
CS-C03-465	6/15/2005	818.00	27.30	7.91	391.00	0.36
CS-C03-465	9/19/2005	814.00	19.90	7.97	426.00	0.38
CS-C03-465	1/3/2006	820.00	19.79	7.89	447.00	0.93
CS-C03-550	NS	NA	NA	NA	NA	NA
CS-C03-550	NS	NA	NA	NA	NA	NA
CS-C03-550	NS	NA	NA	NA	NA	NA
CS-C03-550	12/16/2005	1017.00	18.80	7.56	550.00	0.76
CS-C04-290	3/23/2005	499.00	18.70	7.40	417.00	3.71
CS-C04-290	6/16/2005	494.00	18.90	NA	443.00	1.58
CS-C04-290	9/19/2005	482.00	20.40	7.93	429.00	1.88
CS-C04-290	12/29/2005	572.00	NA	7.49	604.00	1.41
CS-C04-382	3/23/2005	NA	17.30	7.46	468.00	NA
CS-C04-382	6/16/2005	675.00	19.70	7.79	508.00	0.52
CS-C04-382	9/19/2005	691.00	20.70	7.96	470.00	0.43
CS-C04-382	12/29/2005	747.00	18.70	7.54	661.00	1.53
CS-C04-520	NS	NA	NA	NA	NA	NA
CS-C04-520	NS	NA	NA	NA	NA	NA
CS-C04-520	NS	NA	NA	NA	NA	NA
CS-C04-520	12/16/2005	1008.00	19.60	7.63	950.00	2.23
CS-C05-160	3/24/2005	302.00	NA	7.24	628.00	0.54
CS-C05-160	6/16/2005	285.00	19.50	7.49	710.00	0.16
CS-C05-160	9/21/2005	301.00	19.40	7.68	698.00	NA
CS-C05-160	12/28/2005	444.00	NA	7.30	911.00	1.24
CS-C05-290	3/24/2005	496.00	18.60	7.54	509.00	1.52
CS-C05-290	6/16/2005	512.00	20.40	7.91	562.00	0.29
CS-C05-290	9/21/2005	502.00	20.70	7.93	561.00	0.31
CS-C05-290	12/28/2005	543.00	19.10	7.60	754.00	1.07

TABLE 2-2
Final Field Measurements - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Volume Purged (gal)	Temperature (deg C)	pH (pH units)	Electrical Conductivity (µS/cm)	Turbidity (NTU)
CS-C06-185	3/16/2005	NA	NA	NA	NA	0.62
CS-C06-185	6/17/2005	304.00	NA	7.59	610.00	1.39
CS-C06-185	9/19/2005	302.00	22.70	7.70	595.00	0.68
CS-C06-185	12/29/2005	322.00	19.96	5.10	689.00	1.32
CS-C06-278	NS	NA	NA	NA	NA	NA
CS-C06-278	NS	NA	NA	NA	NA	NA
CS-C06-278	NS	NA	NA	NA	NA	NA
CS-C06-278	12/16/2005	496.00	19.90	8.15	1200.00	NA
CS-VPB-01	3/22/2005	82.00	16.40	6.97	927.00	8.51
CS-VPB-01	6/15/2005	91.00	20.70	7.12	1120.00	11.3
CS-VPB-01	9/16/2005	139.00	19.20	7.15	1180.00	3.39
CS-VPB-01	12/28/2005	111.00	19.20	6.95	125.00	10.8
CS-VPB-02	NS	NA	NA	NA	NA	NA
CS-VPB-02	NS	NA	NA	NA	NA	NA
CS-VPB-02	NS	NA	NA	NA	NA	NA
CS-VPB-02	12/16/2005	100.00	17.50	6.93	1210.00	0.82
CS-VPB-03	3/22/2005	66.00	17.70	7.61	407.00	1.36
CS-VPB-03	6/14/2005	84.00	23.80	7.68	418.00	2.39
CS-VPB-03	9/21/2005	128.00	21.20	7.92	418.00	2.6
CS-VPB-03	12/28/2005	87.00	19.00	7.56	558.00	3.12
CS-VPB-04	3/23/2005	121.00	19.20	6.79	980.00	3.25
CS-VPB-04	6/16/2005	92.00	19.60	7.07	1130.00	1.12
CS-VPB-04	9/19/2005	215.00	20.90	7.27	NA	0.98
CS-VPB-04	12/29/2005	103.00	18.80	6.91	129.00	1.74
CS-VPB-05	3/24/2005	72.00	16.10	6.94	1120.00	0.32
CS-VPB-05	6/16/2005	77.00	20.20	7.20	1150.00	1.77
CS-VPB-05	9/21/2005	67.00	20.50	7.27	1180.00	0.33
CS-VPB-05	12/28/2005	93.00	19.40	7.00	127.00	0.91
CS-VPB-06	3/24/2005	NA	18.80	6.78	946.00	2.66
CS-VPB-06	6/17/2005	100.00	NA	7.09	1140.00	2.83
CS-VPB-06	9/19/2005	269.00	22.40	7.22	1170.00	2.68
CS-VPB-06	12/29/2005	124.00	20.98	4.99	1270.00	2.44

TABLE 2-2
Final Field Measurements - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Volume Purged (gal)	Temperature (deg C)	pH (pH units)	Electrical Conductivity (µS/cm)	Turbidity (NTU)
CS-VPB-07	3/22/2005	65.00	19.10	7.13	882.00	10.5
CS-VPB-07	6/15/2005	71.00	23.70	7.37	912.00	15.9
CS-VPB-07	9/21/2005	76.00	21.60	7.50	1120.00	24.5
CS-VPB-07	12/28/2005	90.00	20.80	7.12	123.00	20.4
CS-VPB-08	NS	NA	NA	NA	NA	NA
CS-VPB-08	6/14/2005	86.00	23.70	6.95	1200.00	9.75
CS-VPB-08	9/19/2005	255.00	19.70	7.24	1240.00	6.62
CS-VPB-08	12/29/2005	130.00	19.40	4.52	1330.00	17.6
CS-VPB-09	3/16/2005	70.00	NA	NA	NA	27.2
CS-VPB-09	6/9/2005	79.00	22.50	7.42	1870.00	7.07
CS-VPB-09	9/21/2005	NA	21.50	7.38	1830.00	14
CS-VPB-09	12/16/2005	70.00	19.40	6.98	1900.00	19.2
CS-VPB-10	3/24/2005	82.00	17.10	6.80	960.00	2.06
CS-VPB-10	6/16/2005	87.00	20.90	7.18	1000.00	0.66
CS-VPB-10	9/19/2005	217.00	21.40	7.30	919.00	0.76
CS-VPB-10	12/29/2005	97.00	18.71	4.60	1230.00	1.6
NH-C01-325	3/15/2005	40.00	NA	NA	NA	16.9
NH-C01-325	NS	NA	NA	NA	NA	NA
NH-C01-325	NS	NA	NA	NA	NA	NA
NH-C01-325	NS	NA	NA	NA	NA	NA
NH-C01-660	NS	NA	NA	NA	NA	NA
NH-C01-660	NS	NA	NA	NA	NA	NA
NH-C01-660	NS	NA	NA	NA	NA	NA
NH-C01-660	12/13/2005	882.00	18.00	NA	630.00	0.9
NH-C01-780	NS	NA	NA	NA	NA	NA
NH-C01-780	NS	NA	NA	NA	NA	NA
NH-C01-780	NS	NA	NA	NA	NA	NA
NH-C01-780	12/13/2005	1119.00	18.50	7.46	594.00	NA
NH-C02-325	3/21/2005	NA	18.20	7.35	523.00	63.8
NH-C02-325	6/13/2005	283.00	24.20	7.46	511.00	25.4
NH-C02-325	9/15/2005	297.00	17.80	7.61	578.00	19.7
NH-C02-325	12/22/2005	369.00	18.10	7.28	750.00	3.34

TABLE 2-2
Final Field Measurements - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Volume Purged (gal)	Temperature (deg C)	pH (pH units)	Electrical Conductivity (µS/cm)	Turbidity (NTU)
NH-C02-520	3/21/2005	654.00	21.20	7.34	595.00	0.34
NH-C02-520	6/13/2005	668.00	25.00	7.41	632.00	0.91
NH-C02-520	9/15/2005	680.00	19.40	7.65	696.00	0.5
NH-C02-520	12/22/2005	700.00	18.50	7.32	820.00	1.05
NH-C02-681	NS	NA	NA	NA	NA	NA
NH-C02-681	NS	NA	NA	NA	NA	NA
NH-C02-681	NS	NA	NA	NA	NA	NA
NH-C02-681	12/14/2005	1055.00	20.20	7.65	750.00	0.59
NH-C03-380	3/18/2005	290.00	16.00	7.54	488.00	1.37
NH-C03-380	6/13/2005	301.00	22.60	7.69	472.00	0.73
NH-C03-380	9/15/2005	305.00	18.90	7.70	490.00	0.2
NH-C03-380	12/14/2005	373.00	17.30	7.37	598.00	0.58
NH-C03-580	3/18/2005	681.00	16.30	7.39	532.00	1.01
NH-C03-580	6/13/2005	697.00	26.10	7.74	503.00	9.38
NH-C03-580	9/15/2005	713.00	19.00	7.80	553.00	0.62
NH-C03-580	12/21/2005	743.00	18.70	7.43	710.00	0.87
NH-C03-680	3/15/2005	887.00	NA	NA	NA	8.44
NH-C03-680	6/8/2005	917.00	24.70	8.23	384.00	2.55
NH-C03-680	9/12/2005	NA	19.70	7.96	407.00	3.83
NH-C03-680	12/14/2005	977.00	18.00	7.58	521.00	2.86
NH-C03-800	NS	NA	NA	NA	NA	NA
NH-C03-800	NS	NA	NA	NA	NA	NA
NH-C03-800	NS	NA	NA	NA	NA	NA
NH-C03-800	12/13/2005	1201.00	18.80	7.65	900.00	1.47
NH-C04-240	NS	NA	NA	NA	NA	NA
NH-C04-240	NS	NA	NA	NA	NA	NA
NH-C04-240	NS	NA	NA	NA	NA	NA
NH-C04-240	12/15/2005	304.00	19.30	7.51	727.00	1.49
NH-C04-375	NS	NA	NA	NA	NA	NA
NH-C04-375	NS	NA	NA	NA	NA	NA
NH-C04-375	NS	NA	NA	NA	NA	NA
NH-C04-375	12/15/2005	653.00	19.80	7.64	650.00	1.41

TABLE 2-2
Final Field Measurements - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Volume Purged (gal)	Temperature (deg C)	pH (pH units)	Electrical Conductivity (µS/cm)	Turbidity (NTU)
NH-C04-560	NS	NA	NA	NA	NA	NA
NH-C04-560	NS	NA	NA	NA	NA	NA
NH-C04-560	NS	NA	NA	NA	NA	NA
NH-C04-560	12/15/2005	1003.00	20.20	7.87	699.00	0.6
NH-C05-460	3/18/2005	327.00	15.50	7.34	452.00	0.58
NH-C05-460	6/13/2005	354.00	20.40	7.56	464.00	0.65
NH-C05-460	9/15/2005	374.00	18.60	7.58	533.00	0.88
NH-C05-460	12/21/2005	468.00	18.00	7.33	650.00	0.83
NH-C06-160	3/21/2005	73.00	21.60	7.62	566.00	2.28
NH-C06-160	6/8/2005	84.00	23.20	7.77	660.00	2.44
NH-C06-160	9/15/2005	72.00	21.20	7.71	690.00	0.94
NH-C06-160	12/15/2005	73.00	20.60	7.31	941.00	0.83
NH-C06-285	3/21/2005	331.00	24.30	7.43	663.00	1.65
NH-C06-285	6/14/2005	342.00	22.30	7.51	773.00	2.56
NH-C06-285	9/15/2005	365.00	21.40	7.76	770.00	3.16
NH-C06-285	12/21/2005	382.00	21.30	7.34	100.00	1.65
NH-C06-425	NS	NA	NA	NA	NA	NA
NH-C06-425	NS	NA	NA	NA	NA	NA
NH-C06-425	NS	NA	NA	NA	NA	NA
NH-C06-425	12/15/2005	679.00	21.30	7.44	1260.00	3.03
NH-VPB-01	3/21/2005	80.00	22.30	7.11	801.00	22.3
NH-VPB-01	6/14/2005	82.00	23.10	7.31	894.00	23.6
NH-VPB-01	9/16/2005	87.00	19.10	7.57	913.00	23.9
NH-VPB-01	12/27/2005	84.00	17.10	7.14	120.00	19.6
NH-VPB-05	3/15/2005	35.00	NA	NA	NA	3.18
NH-VPB-05	6/8/2005	42.00	23.70	7.70	804.00	1.32
NH-VPB-05	9/16/2005	54.00	19.80	7.62	920.00	9.5
NH-VPB-05	12/14/2005	69.00	18.30	7.15	1030.00	3.75
NH-VPB-08	3/15/2005	72.00	NA	NA	NA	0.99
NH-VPB-08	6/8/2005	113.00	24.30	7.34	864.00	1.3
NH-VPB-08	9/12/2005	86.00	18.90	7.17	921.00	1.67
NH-VPB-08	12/14/2005	105.00	18.50	7.08	802.00	0.037

TABLE 2-2
Final Field Measurements - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Volume Purged (gal)	Temperature (deg C)	pH (pH units)	Electrical Conductivity (µS/cm)	Turbidity (NTU)
NH-VPB-10	NS	NA	NA	NA	NA	NA
NH-VPB-10	NS	NA	NA	NA	NA	NA
NH-VPB-10	NS	NA	NA	NA	NA	NA
NH-VPB-10	12/22/2005	218.00	19.80	9.20	520.00	38.9
PO-C01-195	3/24/2005	341.00	18.00	7.03	606.00	2.92
PO-C01-195	6/17/2005	324.00	20.30	7.41	656.00	0.72
PO-C01-195	9/22/2005	308.00	21.40	7.54	649.00	0.91
PO-C01-195	1/3/2006	356.00	17.90	7.44	673.00	237
PO-C01-354	NS	NA	NA	NA	NA	NA
PO-C01-354	NS	NA	NA	NA	NA	NA
PO-C01-354	NS	NA	NA	NA	NA	NA
PO-C01-354	12/20/2005	75.00	19.40	8.15	120.00	5.76
PO-C02-053	3/16/2005	66.00	NA	NA	NA	0.42
PO-C02-053	6/9/2005	75.00	22.20	6.95	914.00	0.87
PO-C02-053	9/13/2005	65.00	22.10	6.99	921.00	0.32
PO-C02-053	12/19/2005	158.00	19.40	6.73	1200.00	0.57
PO-C02-205	NS	NA	NA	NA	NA	NA
PO-C02-205	NS	NA	NA	NA	NA	NA
PO-C02-205	NS	NA	NA	NA	NA	NA
PO-C02-205	12/19/2005	NA	18.60	7.01	850.00	2.22
PO-C03-182	3/16/2005	314.00	NA	NA	NA	0.74
PO-C03-182	6/10/2005	290.00	23.60	7.19	762.00	0.33
PO-C03-182	9/13/2005	317.00	21.50	7.25	767.00	0.26
PO-C03-182	12/19/2005	302.00	NA	6.96	90.00	0.28
PO-C03-235	NS	NA	NA	NA	NA	NA
PO-C03-235	NS	NA	NA	NA	NA	NA
PO-C03-235	NS	NA	NA	NA	NA	NA
PO-C03-235	12/19/2005	405.00	20.50	7.12	100.00	1.3
PO-VPB-01	3/16/2005	110.00	NA	NA	NA	39.7
PO-VPB-01	6/9/2005	105.00	NA	7.06	783.00	6.53
PO-VPB-01	9/13/2005	97.00	21.60	7.17	833.00	12.7
PO-VPB-01	12/19/2005	106.00	19.90	6.78	1000.00	6.95

TABLE 2-2
Final Field Measurements - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Volume Purged (gal)	Temperature (deg C)	pH (pH units)	Electrical Conductivity (µS/cm)	Turbidity (NTU)
PO-VPB-02	3/24/2005	131.00	16.20	6.76	831.00	0.45
PO-VPB-02	6/17/2005	77.00	20.40	7.05	853.00	1.2
PO-VPB-02	9/22/2005	64.00	21.00	7.17	850.00	1.21
PO-VPB-02	1/3/2006	200.00	18.01	6.94	875.00	0.99
PO-VPB-03	3/24/2005	94.00	18.40	6.72	797.00	4.6
PO-VPB-03	NS	NA	NA	NA	NA	NA
PO-VPB-03	NS	NA	NA	NA	NA	NA
PO-VPB-03	NS	NA	NA	NA	NA	NA
PO-VPB-05	NS	NA	NA	NA	NA	NA
PO-VPB-05	NS	NA	NA	NA	NA	NA
PO-VPB-05	NS	NA	NA	NA	NA	NA
PO-VPB-05	12/20/2005	120.00	20.00	6.73	NA	5.36
PO-VPB-06	NS	NA	NA	NA	NA	NA
PO-VPB-06	NS	NA	NA	NA	NA	NA
PO-VPB-06	NS	NA	NA	NA	NA	NA
PO-VPB-06	12/19/2005	84.00	20.90	6.67	110.00	0.73
PO-VPB-07	3/16/2005	103.00	NA	NA	NA	2.35
PO-VPB-07	6/9/2005	94.00	23.90	6.92	1670.00	0.99
PO-VPB-07	9/22/2005	81.00	22.40	7.14	1740.00	2.04
PO-VPB-07	1/3/2006	94.00	22.06	7.09	175.00	4.3
PO-VPB-08	3/23/2005	77.00	20.00	6.65	990.00	0.68
PO-VPB-08	6/17/2005	85.00	21.20	7.02	939.00	0.41
PO-VPB-08	9/22/2005	91.00	21.80	7.16	937.00	0.59
PO-VPB-08	1/3/2006	146.00	19.96	7.12	112.00	0.81
VD-VPB-01	NS	NA	NA	NA	NA	NA
VD-VPB-01	NS	NA	NA	NA	NA	NA
VD-VPB-01	9/14/2005	72.00	19.70	6.86	820.00	11.9
VD-VPB-01	12/2/2005	102.00	19.70	6.49	100.00	51.8
VD-VPB-02	3/17/2005	76.00	19.60	6.33	842.00	1.39
VD-VPB-02	6/10/2005	NA	20.60	6.54	874.00	1.99
VD-VPB-02	9/14/2005	119.00	21.10	6.71	1000.00	1.57
VD-VPB-02	12/20/2005	127.00	20.90	6.33	110.00	0.66

TABLE 2-2
Final Field Measurements - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Volume Purged (gal)	Temperature (deg C)	pH (pH units)	Electrical Conductivity (µS/cm)	Turbidity (NTU)
VD-VPB-03	3/17/2005	75.00	NA	6.79	980.00	0.43
VD-VPB-03	6/10/2005	90.00	19.10	6.56	1000.00	0.17
VD-VPB-03	9/14/2005	NA	19.00	6.76	1190.00	0.32
VD-VPB-03	12/20/2005	109.00	19.10	6.38	130.00	0.91
VD-VPB-06	3/17/2005	86.00	18.10	6.58	798.00	13.5
VD-VPB-06	6/10/2005	88.00	20.80	6.58	766.00	24.2
VD-VPB-06	9/14/2005	95.00	19.60	6.54	754.00	51.5
VD-VPB-06	12/20/2005	116.00	20.30	6.24	NA	10.2
VD-VPB-07	3/17/2005	79.00	16.00	7.00	830.00	39.6
VD-VPB-07	6/10/2005	146.00	19.30	7.16	791.00	27.5
VD-VPB-07	9/14/2005	122.00	15.90	7.10	828.00	135
VD-VPB-07	12/20/2005	151.00	17.20	6.78	930.00	76.1

Notes:
gal = Gallons
deg C = Degrees centigrade
µS/cm = Microsiemens per centimeter
NTU = Nephelometric turbidity units
NA = Not Available
NS = Not Sampled

TABLE 2-3
Compilation of Water Quality Goals
San Fernando Valley Basin - Groundwater Monitoring Program

Analyte	Threshold	Units	Source
Volatile Organics (µg/L)			
1,1,1,2-Tetrachloroethane	1.35	µg/L	Carcinogenic Effects
1,1,1-Trichloroethane	200	µg/L	Cal DHS Primary MCL
1,1,2,2-Tetrachloroethane	1	µg/L	Cal DHS Primary MCL
1,1,2-Trichloroethane	5	µg/L	Cal DHS Primary MCL
1,1-Dichloroethane	5	µg/L	Cal DHS Primary MCL
1,1-Dichloroethene	6	µg/L	Cal DHS Primary MCL
1,2-Dibromo-3-chloropropane	0.2	µg/L	Cal DHS Primary MCL
1,2-Dibromoethane	0.05	µg/L	Cal DHS Primary MCL
1,2-Dichloroethane	0.5	µg/L	Cal DHS Primary MCL
1,2-Dichloropropane	5	µg/L	Cal DHS Primary MCL
1,3-Dichloropropene (total)	0.5	µg/L	Cal DHS Primary MCL
1,4-Dioxane	3	µg/L	Cal OEHHA PHG
Acetone	6300	µg/L	Noncarcinogenic Effects
Benzene	1	µg/L	Cal DHS Primary MCL
bis(2-Chloroisopropyl) ether	0.5	µg/L	Carcinogenic Effects
Bromodichloromethane	100	µg/L	Cal DHS Primary MCL
Bromoform	100	µg/L	Cal DHS Primary MCL
Bromomethane	9.8	µg/L	Noncarcinogenic Effects
Carbon tetrachloride	0.5	µg/L	Cal DHS Primary MCL
Chlorobenzene	70	µg/L	Cal DHS Primary MCL
Chloroethane	12.069	µg/L	Carcinogenic Effects
Chloroform	70	µg/L	Cal DHS Primary MCL
Chloromethane	1.346	µg/L	Carcinogenic Effects
cis-1,2-Dichloroethene	6	µg/L	Cal DHS Primary MCL
Dibromochloromethane	100	µg/L	Cal DHS Primary MCL
Ethylbenzene	300	µg/L	Cal DHS Primary MCL
m,p-Xylene	1750	µg/L	Cal DHS Primary MCL
Methyl ethyl ketone	4200	µg/L	Noncarcinogenic Effects
Methyl isobutyl ketone	120	µg/L	Cal DHS AL
Methyl tert-butyl ether	13	µg/L	Cal DHS Primary MCL
Methylene chloride	5	µg/L	Cal DHS Primary MCL
Perchlorate	6	µg/L	Cal OEHHA PHG
Styrene	100	µg/L	Cal DHS Primary MCL
Tetrachloroethene	5	µg/L	Cal DHS Primary MCL
Toluene	150	µg/L	Cal DHS Primary MCL
Total Trihalomethanes	10	µg/L	EPA Federal MCL
Total Xylenes	1750	µg/L	Cal DHS Primary MCL
trans-1,2-Dichloroethene	10	µg/L	Cal DHS Primary MCL
Trichloroethene	5	µg/L	Cal DHS Primary MCL
Vinyl chloride	0.5	µg/L	Cal DHS Primary MCL
Metals (µg/L)			
Aluminum	1000	µg/L	Cal DHS Primary MCL
Antimony	6	µg/L	Cal DHS Primary MCL
Arsenic	10	µg/L	EPA Federal MCL
Barium	1000	µg/L	Cal DHS Primary MCL
Beryllium	4	µg/L	Cal DHS Primary MCL

TABLE 2-3
Compilation of Water Quality Goals
San Fernando Valley Basin - Groundwater Monitoring Program

Analyte	Threshold	Units	Source
Metals (µg/L)			
Boron	1000	µg/L	Cal DHS AL
Cadmium	5	µg/L	Cal DHS Primary MCL
Chromium	50	µg/L	Cal DHS Primary MCL
Chromium VI	50	µg/L	Cal DHS Primary MCL *
Cobalt	140	µg/L	Noncarcinogenic Effects
Copper	1300	µg/L	Regulatory Action level
Iron	300	µg/L	EPA Federal MCL
Lead	15	µg/L	Regulatory Action level
Manganese	50	µg/L	Cal DHS Primary MCL
Mercury	2	µg/L	Cal DHS Primary MCL
Molybdenum	35	µg/L	Noncarcinogenic Effects
Nickel	100	µg/L	Cal DHS Primary MCL
Selenium	50	µg/L	Cal DHS Primary MCL
Silver	100	µg/L	Cal DHS Secondary MCL
Thallium	2	µg/L	Cal DHS Primary MCL
Vanadium	50	µg/L	Cal DHS AL
Zinc	5000	µg/L	Cal DHS Secondary MCL
Inorganics (mg/L)			
Fluoride	2	mg/L	Cal DHS Primary MCL
Nitrate	45	mg/L	Cal DHS Primary MCL
Nitrate (as Nitrogen)	10.161	mg/L	Cal DHS Primary MCL
Nitrite (as Nitrogen)	1	mg/L	Cal DHS Primary MCL
Sulfate	250	mg/L	Cal DHS Secondary MCL

Notes:
Cal DHS MCL: California EPA Department of Health Services Maximum Concentration Level
Cal DHS AL: California Department of Health Services Action Level based on toxicity to humans
OEHHA PHG: California Office of Environmental Health Hazard Assessment Public Health Goal
* Chromium VI: MCL to be established - currently regulated under the total chromium MCL
Final health-based screening level for drinking water: Cal EPA Primary MCL or, in order of preference and availability, CalEPA Public Health Goal, Cal DHS Action Level and risk-based goal

µg/L = Micrograms per liter
mg/L = Milligrams per liter

TABLE 2-4
Summary of TCE, PCE and Nitrate - First Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	TCE (µg/L)		PCE (µg/L)		Nitrate as NO3 (mg/L)	
CS-C01-285	3/21/2005	**370**		**240**		25.8	
CS-C02-062	3/22/2005	**36**	-1	**20**		**66.8**	+2
CS-C02-180	3/22/2005	**11**		4.7	-1	12.5	
CS-C02-250	3/22/2005	**180**		**86**		20.5	
CS-C02-335	3/22/2005	**370**		**370**		40	
CS-C03-100	3/23/2005	**290**	-1	**280**	+1	**49**	
CS-C03-465	3/23/2005	**8.2**		1.8		4.9	
CS-C04-290	3/23/2005	**15**		**7.9**		11.1	
CS-C04-382	3/23/2005	**26**		**19**		9.8	
CS-C05-160	3/24/2005	**150**	+2	**6.7**	+1	26.3	
CS-C05-290	3/24/2005	**8.6**		**8.6**		7.6	
CS-C06-185	3/16/2005	**8.8**	+1	3.2		10.7	
CS-VPB-01	3/22/2005	**150**		**220**		44.1	
CS-VPB-03	3/22/2005	**19**		0.2 J	+1	14.2	
CS-VPB-04	3/23/2005	**4,800**		**200**		**53.4**	+1
CS-VPB-05	3/24/2005	**2,100**	+1	**59**	+1	**49**	
CS-VPB-06	3/24/2005	**450**		**8 J**		40	
CS-VPB-07	3/22/2005	**3,400**		**27**		36	
CS-VPB-08	3/22/2005	**100**		**180**	+1	39.6	
CS-VPB-09	3/16/2005	ND (0.5)		**19**	+1	**53.4**	
CS-VPB-10	3/24/2005	**5.4 J**		**15**		**53.4**	
NH-C01-325	3/15/2005	1.1		3.2	-1	**57.8**	
NH-C02-325	3/21/2005	**15**		2.9 J		17.8	
NH-C02-520	3/21/2005	**90**		2.3		44.5	
NH-C03-380	3/18/2005	**11**		**10**		15.1	-1
NH-C03-580	3/18/2005	**18**		**16**		25.4	
NH-C03-680	3/15/2005	0.5		0.2 J	+1	4.4	
NH-C05-460	3/18/2005	ND (0.5)	-4	ND (0.5)	-1	ND (0.445)	-1
NH-C06-160	3/21/2005	1		0.6		**66.8**	
NH-C06-285	3/21/2005	**70**		3.8		40	
NH-VPB-01	3/21/2005	**41**		**20**		**49**	
NH-VPB-05	3/15/2005	**5.8**	+1	0.4 J		**62.3**	
NH-VPB-08	3/15/2005	**5.4**	+1	1.9		30.7	
PO-C01-195	3/24/2005	**7.6**		0.6		26.3	
PO-C02-053	3/16/2005	0.4 J		0.6		39.6	
PO-C03-182	3/16/2005	3		1.6		32	
PO-VPB-01	3/16/2005	1.8		0.8		39.2	
PO-VPB-02	3/24/2005	**210**		**98**	-1	**53.4**	
PO-VPB-03	3/24/2005	**8**		5	-1	**49**	
PO-VPB-07	3/16/2005	**25**	+2	2.2	+1	43.6	

TABLE 2-4
Summary of TCE, PCE and Nitrate - First Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	TCE (µg/L)		PCE (µg/L)		Nitrate as NO3 (mg/L)	
PO-VPB-08	3/23/2005	2.9	-1	2.6	-1	8.5	
VD-VPB-02	3/17/2005	ND (0.5)		**6.4**	+1	**57.8**	
VD-VPB-03	3/17/2005	ND (0.5)		ND (0.5)		28.5	+1
VD-VPB-06	3/17/2005	ND (0.5)		ND (0.5)	-1	42.7	-1
VD-VPB-07	3/17/2005	ND (0.5)		ND (0.5)		19.6	-1

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
NA = Not analyzed
ND = Not detected
J = approximate concentration
L = results below CRQL
+1 = value moved 1 concentration zone up from previous sampling
-1 = value moved 1 concentration zone down from previous sampling
Results greater than the MCL are bolded

TABLE 2-5
Summary of TCE, PCE and Nitrate - Second Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	TCE (µg/L)		PCE (µg/L)		Nitrate as NO3 (mg/L)	
CS-C01-285	6/14/2005	**250**		**180**		25.8	
CS-C02-062	6/15/2005	**29**		**18**		**53.4**	-1
CS-C02-180	6/15/2005	**15**		**6.4**	+1	13.4	
CS-C02-250	6/15/2005	**130**		**69**		21.4	
CS-C02-335	6/15/2005	**320**		**310**		40.5	
CS-C03-100	6/15/2005	**710**	+1	**100**	-1	**49**	
CS-C03-465	6/15/2005	**8.4**		1.8		4.9	
CS-C04-290	6/16/2005	**14**		**8.1**		11.6	
CS-C04-382	6/16/2005	**22**		**17**		9.8	
CS-C05-160	6/16/2005	**220**		**9.4**		30.7	
CS-C05-290	6/16/2005	**12**		**11**		7.6	
CS-C06-185	6/17/2005	**6.4**		1.9		NA	
CS-VPB-01	6/15/2005	**110**		**130**		44.1	
CS-VPB-03	6/14/2005	**19**		0.2 J		15.6	
CS-VPB-04	6/16/2005	**3,600**		**190**		**53.4**	
CS-VPB-05	6/16/2005	**2,100**		**68 J**		**53.4**	
CS-VPB-06	6/17/2005	**370**		**7.6**		NA	
CS-VPB-07	6/15/2005	**3,300**		**42 J**		32.5	
CS-VPB-08	6/14/2005	**82**		**140**		41.4	
CS-VPB-09	6/9/2005	ND (0.5)		**13**		**53.4**	
CS-VPB-10	6/16/2005	**9.3**		**24**		**57.8**	
NH-C02-325	6/13/2005	**9.8**		1.9		18.7	
NH-C02-520	6/13/2005	**71**		2.1 J		**53.4**	+1
NH-C03-380	6/13/2005	**5.4**		4.5	-1	12.5	
NH-C03-580	6/13/2005	**22**		**16**		24.5	
NH-C03-680	6/8/2005	0.4 J		ND (0.5)	-1	4.4	
NH-C05-460	6/13/2005	**110**	+4	2.8 J	+1	18.2	+1
NH-C06-160	6/8/2005	0.7		0.5 J		**71.2**	
NH-C06-285	6/14/2005	**57**		3.1		41.8	
NH-VPB-01	6/14/2005	**33**		**15**		**53.4**	
NH-VPB-05	6/8/2005	4.6	-1	0.2 J		**84.6**	+1
NH-VPB-08	6/8/2005	5	-1	1.8		33.8	
PO-C01-195	6/17/2005	**10**		0.6		NA	
PO-C02-053	6/9/2005	0.8		0.8		36.9	
PO-C03-182	6/10/2005	2.3		1		32	
PO-VPB-01	6/9/2005	1.5		0.6		39.2	
PO-VPB-02	6/17/2005	**200**		**92**		NA	
PO-VPB-07	6/9/2005	**93**	+1	1.6 J		**53.4**	+1
PO-VPB-08	6/17/2005	5		4.1		NA	
VD-VPB-02	6/10/2005	ND (0.5)		**5.1**		**57.8**	

TABLE 2-5
Summary of TCE, PCE and Nitrate - Second Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	TCE (µg/L)	PCE (µg/L)		Nitrate as NO3 (mg/L)	
VD-VPB-03	6/10/2005	ND (0.5)	0.2 J	+1	22.7	
VD-VPB-06	6/10/2005	ND (0.5)	ND (0.5)		31.1	
VD-VPB-07	6/10/2005	ND (0.5)	0.1 J	+1	31.6	+1

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
NA = Not analyzed
ND = Not detected
J = approximate concentration
L = results below CRQL
+1 = value moved 1 concentration zone up from previous sampling
-1 = value moved 1 concentration zone down from previous sampling
Results greater than the MCL are bolded

TABLE 2-6
Summary of TCE, PCE and Nitrate - Third Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	TCE (µg/L)		PCE (µg/L)		Nitrate as NO3 (mg/L)	
CS-C01-285	9/16/2005	**170**		**120**		23.1	
CS-C02-062	9/16/2005	**27**		**17**		**49**	
CS-C02-180	9/16/2005	**14**		**5.4**		12	
CS-C02-250	9/16/2005	**110 J**		**61 J**		20	
CS-C02-335	9/16/2005	**200**		**150**		36	
CS-C03-100	9/19/2005	**950**		**92**		43.2	-1
CS-C03-465	9/19/2005	**9.8**		2.1		4.4	
CS-C04-290	9/19/2005	**16**		**8.7**		10.2	
CS-C04-382	9/19/2005	**20**		**16**		8.5	
CS-C05-160	9/21/2005	**130**		**6**		29.4	
CS-C05-290	9/21/2005	**12**		**12**		7.6	
CS-C06-185	9/19/2005	**5.8**		1.8		9.3	
CS-VPB-01	9/16/2005	**160**		**190**		40.9	
CS-VPB-03	9/21/2005	**11**		ND (0.5)	-1	14.7	
CS-VPB-04	9/19/2005	**1,900**		**140**		**49**	
CS-VPB-05	9/21/2005	**1,500**		**66**		**53.4**	
CS-VPB-06	9/19/2005	**331**		**7.3**		35.2	
CS-VPB-07	9/21/2005	**1,600**		**26**		28	
CS-VPB-08	9/19/2005	**81**		**147**		32.5	
CS-VPB-09	9/21/2005	ND (0.5)		**9.9**		**53.4**	
CS-VPB-10	9/19/2005	**12**		**33**		**53.4**	
NH-C02-325	9/15/2005	**9.9**		2		18.2	
NH-C02-520	9/15/2005	**56**		1.7		**49**	
NH-C03-380	9/15/2005	2.1	-1	2		8.9	
NH-C03-580	9/15/2005	**8.1**		4.4	-1	14.7	-1
NH-C03-680	9/12/2005	0.5 J		0.2 J	+1	4.4	
NH-C05-460	9/15/2005	**84**	-1	3 J		20.5	+1
NH-C06-160	9/15/2005	0.4 J		0.5		**75.7**	
NH-C06-285	9/15/2005	**52**		3.5		41.8	
NH-VPB-01	9/16/2005	**27**		**14**		**49**	
NH-VPB-05	9/16/2005	4.2		0.2 J		**71.2**	
NH-VPB-08	9/12/2005	3.7		1.5		33.8	
PO-C01-195	9/22/2005	**13**		0.8		24.9	
PO-C02-053	9/13/2005	1.3		1.2		33.4	
PO-C03-182	9/13/2005	2.9		1.5		30.3	
PO-VPB-01	9/13/2005	2.1		0.9		37.8	
PO-VPB-02	9/22/2005	**170**		**83**		**53.4**	
PO-VPB-07	9/22/2005	**29**	-1	0.8 J		44.5	-1
PO-VPB-08	9/22/2005	**6.9**	+1	4.4		12	
VD-VPB-01	9/14/2005	0.2 J	+1	4.9		**57.8**	

TABLE 2-6
Summary of TCE, PCE and Nitrate - Third Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	TCE (µg/L)	PCE (µg/L)		Nitrate as NO3 (mg/L)
VD-VPB-02	9/14/2005	ND (0.5)	1.5	-1	**49**
VD-VPB-03	9/14/2005	ND (0.5)	0.3 J		24
VD-VPB-06	9/14/2005	ND (0.5)	0.2 J	+1	40
VD-VPB-07	9/14/2005	ND (0.5)	0.2 J		31.1

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
NA = Not analyzed
ND = Not detected
J = approximate concentration
L = results below CRQL
+1 = value moved 1 concentration zone up from previous sampling
-1 = value moved 1 concentration zone down from previous sampling
Results greater than the MCL are bolded

TABLE 2-7
Summary of TCE, PCE and Nitrate - Fourth Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	TCE (µg/L)		PCE (µg/L)		Nitrate as NO3 (mg/L)	
CS-C01-105	12/22/2005	**6.1**	-2	**5.1**	-1	**133.5**	+1
CS-C01-285	12/22/2005	**190**		**140**		23.6	
CS-C01-558	12/15/2005	ND (0.5)		ND (0.5)		2.7	
CS-C02-062	12/27/2005	**28**		**18**		**53.4**	
CS-C02-180	12/27/2005	**18**		**7.6**		13.4	
CS-C02-250	12/27/2005	**110**		**57**		20.5	
CS-C02-335	12/27/2005	**260**		**200**		34.7	
CS-C03-100	1/3/2006	**470**	-1	**110**	+1	**49**	+1
CS-C03-325	12/16/2005	ND (0.5)	-1	ND (0.5)	-1	1.2	
CS-C03-465	1/3/2006	**11**		2.5		4.9	
CS-C03-550	12/16/2005	1.5	+1	0.9	+1	11.1	
CS-C04-290	12/29/2005	**19**		**13**		11.1	
CS-C04-382	12/29/2005	**26**		**25**		9.3	
CS-C04-520	12/16/2005	ND (0.5)		ND (0.5)		1.2	
CS-C05-160	12/28/2005	**210**		**9.9 J**		28.9	
CS-C05-290	12/28/2005	**15**		**13**		7.1	
CS-C06-185	12/29/2005	**6.9**		2		9.3	
CS-C06-278	12/16/2005	ND (0.5)		ND (0.5)		ND (0.445)	-1
CS-VPB-01	12/28/2005	**89**	-1	**110**		40.9	
CS-VPB-02	12/16/2005	4.2		1.6		43.2	
CS-VPB-03	12/28/2005	**9.1**		0.1 J	+1	14.2	
CS-VPB-04	12/29/2005	**1,700**		**110**		**53.4**	
CS-VPB-05	12/28/2005	**840**	-1	**67**		**53.4**	
CS-VPB-06	12/29/2005	**240**		**6.2**		39.6	
CS-VPB-07	12/28/2005	**2,200**		**38 J**		26.3	
CS-VPB-08	12/29/2005	**80**		**180**		40.9	
CS-VPB-09	12/16/2005	ND (0.5)		**13**		**53.4**	
CS-VPB-10	12/29/2005	**11**		**22**		**57.8**	
NH-C01-660	12/13/2005	ND (0.5)		0.1 J	+1	8.5	
NH-C01-780	12/13/2005	ND (0.5)		0.1 J	+1	7.1	
NH-C02-325	12/22/2005	**10**		2.1		18.2	
NH-C02-520	12/22/2005	**43**	-1	1.4		30.7	-1
NH-C02-681	12/14/2005	ND (0.5)		ND (0.5)		1.7	
NH-C03-380	12/14/2005	1.3		1.2		7.1	
NH-C03-580	12/21/2005	**6.9**		3.4		11.1	
NH-C03-680	12/14/2005	0.9		0.3 J		4.9	
NH-C03-800	12/13/2005	ND (0.5)		ND (0.5)		2.3	
NH-C04-240	12/15/2005	0.4 J		0.2 J	+1	24.5	
NH-C04-375	12/15/2005	ND (0.5)		ND (0.5)		20.5	+1
NH-C04-560	12/15/2005	ND (0.5)		ND (0.5)		ND (0.445)	

TABLE 2-7
Summary of TCE, PCE and Nitrate - Fourth Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	TCE (µg/L)		PCE (µg/L)		Nitrate as NO3 (mg/L)	
NH-C05-460	12/21/2005	**100**		5 J		17.8	-1
NH-C06-160	12/15/2005	0.6		0.8		**80.1**	
NH-C06-285	12/21/2005	**58**		4		41.4	
NH-C06-425	12/15/2005	ND (0.5)		ND (0.5)		12	
NH-VPB-01	12/27/2005	**32**		**17**		**49**	
NH-VPB-05	12/14/2005	**7.9**	+1	0.2 J		**71.2**	
NH-VPB-08	12/14/2005	**9.1**	+1	3.4		18.2	-1
NH-VPB-10	12/22/2005	1.3	+1	ND (0.5)		1.1	
PO-C01-195	1/3/2006	**15**		1.1		25.4	
PO-C01-354	12/20/2005	ND (0.5)		ND (0.5)		ND (0.445)	
PO-C02-053	12/19/2005	1.5		1.4		36.5	
PO-C02-205	12/19/2005	0.2 J	+1	0.5	+1	23.6	
PO-C03-182	12/19/2005	2.7		1.4		30.7	
PO-C03-235	12/19/2005	2.4		1.3		25.8	
PO-VPB-01	12/19/2005	1.8		0.8		38.3	
PO-VPB-02	1/3/2006	**120**		**75**		**53.4**	
PO-VPB-05	12/20/2005	0.3 J		0.1 J		15.6	-1
PO-VPB-06	12/19/2005	0.1 J		ND (0.5)	-1	12	
PO-VPB-07	1/3/2006	**21**		0.9		**49**	+1
PO-VPB-08	1/3/2006	**6.9**		5		12.5	
VD-VPB-01	12/2/2005	0.1 J		4.1		**57.8**	
VD-VPB-02	12/20/2005	0.1 J	+1	2.1		44.5	-1
VD-VPB-03	12/20/2005	ND (0.5)		0.3 J		25.8	
VD-VPB-06	12/20/2005	ND (0.5)		0.4 J		**57.8**	+1
VD-VPB-07	12/20/2005	ND (0.5)		0.1 J		25.4	

Notes:
µg/L = micrograms per liter
mg/L = milligrams per liter
NA = Not analyzed
ND = Not detected
J = approximate concentration
L = results below CRQL
+1 = value moved 1 concentration zone up from previous sampling
-1 = value moved 1 concentration zone down from previous sampling
Results greater than the MCL are bolded

TABLE 2-8
General Water Chemistry - Fourth Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Chloride (mg/L)	Sulfate (mg/L)	Hardness (mg/L)	Alkalinity, Total (mg/L)	TDS (mg/L)	TOC (mg/L)
CS-C01-105	12/22/2005	160	290	787.1	330	1,200	2.1
CS-C01-285	12/22/2005	22	55	278.81	220	400	1.6
CS-C01-558	12/15/2005	26	80	190.61	160	340	0.62 J
CS-C02-062	12/27/2005	93	190	555.13	300	800	1.7
CS-C02-180	12/27/2005	48	290	471.52	220	750	1.5
CS-C02-250	12/27/2005	25	98	305.75	210	440	1.5
CS-C02-335	12/27/2005	29	72	325.72	230	420	1.6
CS-C03-100	1/3/2006	73	120	456.48	320	650	1.3
CS-C03-325	12/16/2005	120	99	176.35	140	500	0.83 J
CS-C03-465	1/3/2006	13	52	183.36	180	300	1.2
CS-C03-550	12/16/2005	18	42	163.49	170	270	0.88 J
CS-C04-290	12/29/2005	16	45	189.88	180	300	1.5
CS-C04-382	12/29/2005	18	67	214.49	190	330	1.7
CS-C04-520	12/16/2005	96	120	196.79	150	NR	NR
CS-C05-160	12/28/2005	44	97	318.26	240	480	1.5
CS-C05-290	12/28/2005	39	91	227.73	180	390	1.7
CS-C06-185	12/29/2005	55	95	219.38	170	430	1.4
CS-C06-278	12/16/2005	170	100	35.16	210	670	1.7
CS-VPB-01	12/28/2005	86	180	516.95	280	760	2
CS-VPB-02	12/16/2005	82	190	491.68	260	740	1.3
CS-VPB-03	12/28/2005	17	36	186.44	170	280	1.5
CS-VPB-04	12/29/2005	83	150	498.11	320	730	2.5
CS-VPB-05	12/28/2005	74	130	508.07	350	720	1.4
CS-VPB-06	12/29/2005	93	160	462.77	300	710	1.4
CS-VPB-07	12/28/2005	82	160	499.34	310	710	2
CS-VPB-08	12/29/2005	95	190	491.62	280	760	1.8
CS-VPB-09	12/16/2005	150	210	870.31	570	1,200	1.4
CS-VPB-10	12/29/2005	93	160	445.26	230	670	1.9
NH-C01-660	12/13/2005	12	68	229.96	200	340	0.95 J
NH-C01-780	12/13/2005	12	63	207.49	190	310	0.77 J
NH-C02-325	12/22/2005	21	60	282.26	240	420	1.5
NH-C02-520	12/22/2005	27	86	314.37	220	460	1.1
NH-C02-681	12/14/2005	9	40	288.37	160	250	0.63 J
NH-C03-380	12/14/2005	13	63	228.38	190	330	0.8 J
NH-C03-580	12/21/2005	16	75	251.28	210	380	1.3
NH-C03-680	12/14/2005	11	48	179.5	170	280	0.86 J
NH-C03-800	12/13/2005	7	41	153.37	160	250	0.69 J
NH-C04-240	12/15/2005	37	68	225.06	180	390	1.5
NH-C04-375	12/15/2005	31	57	208.37	170	350	0.96 J
NH-C04-560	12/15/2005	86	48	213.92	130	400	0.86 J

TABLE 2-8
General Water Chemistry - Fourth Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Chloride (mg/L)	Sulfate (mg/L)	Hardness (mg/L)	Alkalinity, Total (mg/L)	TDS (mg/L)	TOC (mg/L)
NH-C05-460	12/21/2005	18	52	242.81	180	330	1.4
NH-C06-160	12/15/2005	38	72	306.28	210	500	1
NH-C06-285	12/21/2005	33	170	318.91	210	580	1.5
NH-C06-425	12/15/2005	45	390	461.85	180	880	1.7
NH-VPB-01	12/27/2005	73	150	502.03	270	680	2
NH-VPB-05	12/14/2005	51	86	399.11	270	550	1.4
NH-VPB-08	12/14/2005	19	66	307.27	270	420	1.2
NH-VPB-10	12/22/2005	8.9	17	35.67	190	260	3.9
PO-C01-195	1/3/2006	52	78	278.27	210	440	1.6
PO-C01-354	12/20/2005	170	40	27.84	250	660	2
PO-C02-053	12/19/2005	120	160	359.54	180	680	1
PO-C02-205	12/19/2005	56	86	295.9	190	470	0.98 J
PO-C03-182	12/19/2005	64	110	279.81	200	540	ND (1)
PO-C03-235	12/19/2005	70	140	310.74	230	600	1.1
PO-VPB-01	12/19/2005	84	130	363.47	190	580	1.1
PO-VPB-02	1/3/2006	82	140	410.82	200	600	1.6
PO-VPB-05	12/20/2005	85	170	300.39	210	670	2.2
PO-VPB-06	12/19/2005	96	170	331.02	220	660	1.6
PO-VPB-07	1/3/2006	160	250	708.25	430	1,100	2.3
PO-VPB-08	1/3/2006	93	170	353.69	250	680	2.5
VD-VPB-01	12/2/2005	110	130	341.91	140	630	2.4
VD-VPB-02	12/20/2005	98	130	388.37	180	630	1.6
VD-VPB-03	12/20/2005	120	210	465.46	210	770	2
VD-VPB-06	12/20/2005	84	150	269.18	100	580	1.7
VD-VPB-07	12/20/2005	64	120	303.8	180	520	1.5

Notes:
ND (250) = Not detected (reporting limit)
NR = Not reported
J = Approximate concentration
mg/L = Milligrams per liter
TDS = total dissolved solids
TOC = total organic carbon

TABLE 2-9
Summary of Select Metals Exceeding MCLs - Fourth Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Primary MCLs:	**Chromium** 50 µg/L	**Hexavalent Chromium** 50 µg/L *	**Manganese** 50 µg/L	**Nickel** 100 µg/L
Well ID				
CS-C03-100	56.8	59	--	--
CS-VPB-04	455	550 J	--	--
CS-VPB-05	229	270 J	--	--
PO-C02-205	--	--	111	--
PO-VPB-02	230	260 J	--	--
PO-VPB-08	--	--	1560	--

Notes:
µg/L = Micrograms per liter
* Chromium VI MCL to be established - currently regulated under the total Chromium MCL

TABLE 2-10
Summary of Hexavalent Chromium - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Hexavalent Chromium (µg/L)
CS-C01-105	NS	NS
	NS	NS
	NS	NS
	12/22/2005	2
CS-C01-285	3/21/2005	3.3
	6/14/2005	4.8
	9/16/2005	5.5 J
	12/22/2005	6
CS-C01-558	NS	NS
	NS	NS
	NS	NS
	12/15/2005	1.3
CS-C02-062	3/22/2005	2.4 J
	6/15/2005	2.4 J
	9/16/2005	2.8 J
	12/27/2005	2.6 J
CS-C02-180	3/22/2005	1 J
	6/15/2005	ND (0.2) J
	9/16/2005	0.13 J
	12/27/2005	0.46 J
CS-C02-250	3/22/2005	6.7 J
	6/15/2005	6.5 J
	9/16/2005	6.2 J
	12/27/2005	5.6 J
CS-C02-335	3/22/2005	5.4
	6/15/2005	5.4 J
	9/16/2005	5.5
	12/27/2005	5 J
CS-C03-100	3/23/2005	17 J
	6/15/2005	**56**
	9/19/2005	**51**
	1/3/2006	**59**
CS-C03-325	NS	NS
	NS	NS
	NS	NS
	12/16/2005	ND (0.2) J
CS-C03-465	3/23/2005	2 J
	6/15/2005	2.2
	9/19/2005	1.9 J
	1/3/2006	2.2
CS-C03-550	NS	NS
	NS	NS
	NS	NS
	12/16/2005	3.8 J
CS-C04-290	3/23/2005	4.1
	6/16/2005	3.9 J
	9/19/2005	1.8 J
	12/29/2005	4.1 J
CS-C04-382	3/23/2005	2.5
	6/16/2005	2.5 J
	9/19/2005	2.4 J
	12/29/2005	2.5 J
CS-C04-520	NS	NS
	NS	NS
	NS	NS
	12/16/2005	ND (0.2)
CS-C05-160	3/24/2005	15 J
	6/16/2005	30 J
	9/21/2005	43 J
	12/28/2005	36 J
CS-C05-290	3/24/2005	1 J
	6/16/2005	1.4
	9/21/2005	1.1 J
	12/28/2005	1.6 J
CS-C06-185	3/16/2005	0.6 J
	NS	NS
	9/19/2005	1.2 J
	12/29/2005	0.86
CS-C06-278	NS	NS
	NS	NS
	NS	NS
	12/16/2005	ND (0.2)
CS-VPB-01	3/22/2005	2.5 J
	6/15/2005	1.3 J
	9/16/2005	1.8 J
	12/28/2005	1.4
CS-VPB-02	NS	NS
	NS	NS
	NS	NS
	12/16/2005	2.5 J

TABLE 2-10
Summary of Hexavalent Chromium - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Hexavalent Chromium (µg/L)	Well ID	Sample Date	Hexavalent Chromium (µg/L)
CS-VPB-03	3/22/2005	32	NH-C01-450	NS	NS
	6/14/2005	35		NS	NS
	9/21/2005	40 J		NS	NS
	12/28/2005	49 J		NS	NS
CS-VPB-04	3/23/2005	**480 J**	NH-C01-660	NS	NS
	6/16/2005	**420 J**		NS	NS
	9/19/2005	**450 J**		NS	NS
	12/29/2005	**550 J**		12/13/2005	0.34 J
CS-VPB-05	3/24/2005	**370 J**	NH-C01-780	NS	NS
	6/16/2005	**250 J**		NS	NS
	9/21/2005	**240 J**		NS	NS
	12/28/2005	**270 J**		12/13/2005	0.42 J
CS-VPB-06	3/24/2005	14 J	NH-C02-220	NS	NS
	6/17/2005	11 J		NS	NS
	9/19/2005	11.7		NS	NS
	12/29/2005	10		NS	NS
CS-VPB-07	3/22/2005	**82**	NH-C02-325	3/21/2005	0.47 J
	6/15/2005	**66 J**		6/13/2005	0.85
	9/21/2005	35 J		9/15/2005	0.46 J
	12/28/2005	5.7 J		12/22/2005	0.86 J
CS-VPB-08	3/22/2005	3.4	NH-C02-520	3/21/2005	1.9 J
	6/14/2005	2.7		6/13/2005	1.8
	9/19/2005	3.2		9/15/2005	1.3 J
	12/29/2005	2.8 J		12/22/2005	1.3 J
CS-VPB-09	3/16/2005	0.7 J	NH-C02-681	NS	NS
	6/9/2005	1.7 J		NS	NS
	9/21/2005	3.5 J		NS	NS
	12/16/2005	6.3		12/14/2005	0.21
CS-VPB-10	3/24/2005	1.9 J	NH-C03-380	3/18/2005	1.8 J
	6/16/2005	1.9		6/13/2005	2.1 J
	9/19/2005	2		9/15/2005	2.2 J
	12/29/2005	2		12/14/2005	2.3 J
CS-VPB-11	NS	NS	NH-C03-580	3/18/2005	2.7 J
	NS	NS		6/13/2005	1.5
	NS	NS		9/15/2005	1.8 J
	NS	NS		12/21/2005	1.4
NH-C01-325	3/15/2005	0.53 J	NH-C03-680	3/15/2005	1.9 J
	NS	NS		6/8/2005	1.8 J
	NS	NS		9/12/2005	2.1 J
	NS	NS		12/14/2005	1.9 J

TABLE 2-10
Summary of Hexavalent Chromium - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Hexavalent Chromium (µg/L)
NH-C03-800	NS	NS
	NS	NS
	NS	NS
	12/13/2005	1.2 J
NH-C04-240	NS	NS
	NS	NS
	NS	NS
	12/15/2005	5.9 J
NH-C04-375	NS	NS
	NS	NS
	NS	NS
	12/15/2005	6 J
NH-C04-560	NS	NS
	NS	NS
	NS	NS
	12/15/2005	ND (0.2) J
NH-C05-320	NS	NS
	NS	NS
	NS	NS
	NS	NS
NH-C05-460	3/18/2005	ND (0.2) J
	6/13/2005	0.24 J
	9/15/2005	0.2
	12/21/2005	0.35
NH-C06-160	3/21/2005	7 J
	6/8/2005	5.8
	9/15/2005	6.9
	12/15/2005	6.8
NH-C06-285	3/21/2005	1.4 J
	6/14/2005	1.1 J
	9/15/2005	ND (0.2)
	12/21/2005	0.1 J
NH-C06-425	NS	NS
	NS	NS
	NS	NS
	12/15/2005	ND (0.2)
NH-VPB-01	3/21/2005	2.1 J
	6/14/2005	4 J
	9/16/2005	3.7 J
	12/27/2005	2.8 J
NH-VPB-02	NS	NS
	NS	NS
	NS	NS
	NS	NS
NH-VPB-03	NS	NS
	NS	NS
	NS	NS
	NS	NS
NH-VPB-04	NS	NS
	NS	NS
	NS	NS
	NS	NS
NH-VPB-05	3/15/2005	2.2
	6/8/2005	2.5
	9/16/2005	2.6
	12/14/2005	2.9
NH-VPB-06	NS	NS
	NS	NS
	NS	NS
	NS	NS
NH-VPB-07	NS	NS
	NS	NS
	NS	NS
	NS	NS
NH-VPB-08	3/15/2005	1.9
	6/8/2005	1.9
	9/12/2005	1.9 J
	12/14/2005	2.6 J
NH-VPB-09	NS	NS
	NS	NS
	NS	NS
	NS	NS
NH-VPB-10	NS	NS
	NS	NS
	NS	NS
	12/22/2005	ND (0.2) J
NH-VPB-11	NS	NS
	NS	NS
	NS	NS
	NS	NS

TABLE 2-10
Summary of Hexavalent Chromium - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Hexavalent Chromium (µg/L)
NH-VPB-12	NS	NS
	NS	NS
	NS	NS
	NS	NS
NH-VPB-13	NS	NS
	NS	NS
	NS	NS
	NS	NS
NH-VPB-14	NS	NS
	NS	NS
	NS	NS
	NS	NS
PO-C01-195	3/24/2005	ND (0.2)
	6/17/2005	ND (0.2) J
	9/22/2005	ND (0.2) J
	1/3/2006	0.6 J
PO-C01-354	NS	NS
	NS	NS
	NS	NS
	12/20/2005	ND (0.2) J
PO-C02-053	3/16/2005	0.67 J
	6/9/2005	1.2 J
	9/13/2005	1.2 J
	12/19/2005	1.4 J
PO-C02-205	NS	NS
	NS	NS
	NS	NS
	12/19/2005	0.1 J
PO-C03-182	3/16/2005	ND (0.2) J
	6/10/2005	ND (0.2)
	9/13/2005	ND (0.2) J
	12/19/2005	ND (0.2)
PO-C03-235	NS	NS
	NS	NS
	NS	NS
	12/19/2005	ND (0.2)
PO-VPB-01	3/16/2005	3.3 J
	6/9/2005	3.7
	9/13/2005	3.9
	12/19/2005	3.5 J

Well ID	Sample Date	Hexavalent Chromium (µg/L)
PO-VPB-02	3/24/2005	**330 J**
	6/17/2005	**290 J**
	9/22/2005	**250 J**
	1/3/2006	**260 J**
PO-VPB-03	3/24/2005	3.4
	NS	NS
	NS	NS
	NS	NS
PO-VPB-04	NS	NS
	NS	NS
	NS	NS
	NS	NS
PO-VPB-05	NS	NS
	NS	NS
	NS	NS
	12/20/2005	ND (0.2) J
PO-VPB-06	NS	NS
	NS	NS
	NS	NS
	12/19/2005	0.1 J
PO-VPB-07	3/16/2005	ND (0.2)
	6/9/2005	0.61
	9/22/2005	0.63
	1/3/2006	0.27 J
PO-VPB-08	3/23/2005	ND (0.2)
	NS	NS
	9/22/2005	ND (0.2)
	1/3/2006	ND (0.2)
PO-VPB-09	NS	NS
	NS	NS
	NS	NS
	NS	NS
PO-VPB-10	NS	NS
	NS	NS
	NS	NS
	NS	NS
PO-VPB-11	NS	NS
	NS	NS
	NS	NS
	NS	NS

TABLE 2-10
Summary of Hexavalent Chromium - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Sample Date	Hexavalent Chromium (µg/L)
VD-VPB-01	NS	NS
	NS	NS
	9/14/2005	ND (0.2) J
	12/2/2005	0.2
VD-VPB-02	3/17/2005	0.22 J
	6/10/2005	0.31 J
	9/14/2005	ND (0.2)
	12/20/2005	0.28
VD-VPB-03	3/17/2005	0.1 J
	6/10/2005	0.17 J
	9/14/2005	0.22
	12/20/2005	0.16 J
VD-VPB-04	NS	NS
	NS	NS
	NS	NS
	NS	NS
VD-VPB-05	NS	NS
	NS	NS
	NS	NS
	NS	NS
VD-VPB-06	3/17/2005	0.19 J
	6/10/2005	0.1 J
	9/14/2005	ND (0.2) J
	12/20/2005	ND (0.2) J
VD-VPB-07	3/17/2005	0.11 J
	6/10/2005	ND (0.2) J
	9/14/2005	ND (0.2) J
	12/20/2005	ND (0.2) J

Notes:
NS = Not sampled
ND (250) = Not detected (reporting limit)
µg/L = Micrograms per liter
Chromium VI: MCL to be established - currently regulated under the total chromium MCL
Results greater than the MCL are bolded

SECTION 3.0

Comparison of Results from 2004 Sampling Events

3.1 Comparison of Water Levels

Water levels were measured at each remedial investigation monitoring well sampled during each quarterly sampling event. A comparison of depth to water below ground surface and groundwater elevations at the time of the first, second, third, and fourth quarter sampling is provided in Table 2-1. Additionally, these measurements are incorporated into the database, converted to elevations above mean sea level, and presented as hydrographs in Appendix I. During 2005, 21 remedial investigation monitoring wells (CS-C01-105, CS-VPB-11, NH-C1-325, NH-C01-450, NH-C02-220, NH-C05-320, NH-VPB-02, NH-VPB-03, NH-VPB-04, NH-VPB-06, NH-VPB-07, NH-VPB-09, NH-VPB-11, NH-VPB-12, NH-VPB-13, NH-VPB-14, PO-VPB-03, PO-VPB-10, VD-VPB-01, VD-VPB-04, and VD-VPB-05) were not sampled during one or more of the quarterly events (Section 2.1).

Comparison of water levels between the first quarter of 2005 and the fourth quarter of 2004 in Area 1 (North Hollywood) showed relatively significant increases of approximately 4 to 6 feet across the Area. Water levels in Area 2 (Crystal Springs) showed increases between 2 to 5 feet across the Area; water levels in Area 3 (Verdugo) varied from no change at 3 monitoring wells to increases of 8 feet at VD-VPB-03; and water levels in Area 4 (Pollock) decreased approximately 3 feet.

During the second quarter 2005, water levels in the Basin were generally stable. In Crystal Springs (Area 2), Pollock (Area 4), and Verdugo (Area 3) water levels were comparable to those observed during the first quarter, with slight increases in several of the Crystal Springs monitoring wells. In North Hollywood (Area 1), water levels showed continued increases on the order of 1 to 2 feet.

During the third quarter of 2005, water levels in North Hollywood (Area 1) and Crystal Springs (Area 2) showed increases on the order of 3 to 4 feet compared to the previous quarter. The Verdugo Basin (Area 3) remained constant and in Pollock (Area 4) water levels decreased on the order of 1 to 2 feet.

The effects of precipitation between the third quarter and the fourth quarter of 2005 were evident with water level increases observed across Areas 1 and 2. Observed increases ranged from 6 to 8 feet in the northern portion of Area 1 (in the vicinity of NH-C05 and NH-C06), to increases of 2 to 4 feet throughout the remainder of Area 1 and across Area 2. The water levels in the Verdugo Basin (Area 3) and in Pollock (Area 4) remained generally consistent with the levels observed during the previous quarter.

When compared annually (fourth quarter 2004 to fourth quarter 2005), four general areas of water level changes are the observed across the Basin. These areas are:

- **The northern portion of Area 1 (NHOU).** In this area water levels showed the greatest increases, as much as 24 feet in the vicinity of NH cluster wells NH-C01, NH-C03, and NH-C05. Although these increases across Area 1 were insufficient to allow sample collection at most shallow water table wells (NH-VPBs), the increases did allow water levels to be measured.
- **The southern portion of Area 1 (BOU).** Across this area water levels showed increases ranging between 8 to 20 feet.
- **The major portion of Area 2 (GNOU and northern part of GSOU).** In this area water levels at the Crystal Springs monitoring wells showed increases between 4 to 8 feet, with a maximum increase of 10 feet at CS-C01-285.
- **The northern Area 4 (Pollock area).** In this area water level changes were inconsistent. Increases of 1 to 2 feet were observed at the northernmost RI Pollock monitoring wells (PO-C01-195 and -354), while decreases of 1 to 2 feet were observed at the southernmost RI monitoring wells (PO-VPB-05 and -08) in the vicinity of the Glendale Freeway and Taylor Yard.

3.2 Comparison of Quarterly Analytical Results

In this section analytical results from each quarterly sampling event are compared to results from the previous event. TCE concentrations detected at RI monitoring wells during each quarterly sampling event in 2005 are compared to historical maximum and minimum concentrations in Tables 3-1 through 3-4, and 2005 results are summarized in Table 3-5. Similar PCE concentration summaries are provided in Tables 3-6 through 3-10. Flags used in the "Current Value" columns indicate: (1) samples that contain reported TCE or PCE concentrations greater than the MCL of 5 µg/L, and/or (2) samples that exhibit a marked change in concentration during the current sampling event compared to the previous sampling event. A "marked change" in concentration is considered a change in concentration between the following categories:

- 0 to 5 µg/L
- >5 to 50 µg/L
- >50 to 100 µg/L
- >100 to 500 µg/L
- >500 to 1,000 µg/L
- >1,000 to 5,000 µg/L
- >5,000 µg/L

For example, if a sample had a reported concentration of 550 µg/L TCE for the current quarter, but a reported concentration of 60 µg/L during the previous quarter, a flag of +2 would be present in the "Change" column of Tables 3-1 through 3-10. If the reported sample concentration had decreased to the next lower category, the flag would read -1. These concentration categories are the same as those used during preparation of basinwide TCE and PCE contaminant concentration maps.

VOC concentrations that exceed MCLs at remedial investigation monitoring wells during each quarterly sampling event of 2005 are presented in Tables 3-11 through 3-14.

Nitrate data for remedial investigation monitoring wells sampled during the first, second, third, and fourth quarters of 2005 are provided in Tables 3-15 through 3-19. Flags within the "Change" column of Tables 3-15 through 3-19 indicate: (1) samples that contain reported concentrations of nitrate greater than the MCL of 45 mg/L (as NO_3), and (2) samples that exhibit a marked change in reported nitrate concentration from the current quarter to the previous quarter. A marked change in nitrate concentration (as NO_3) is herein defined as a change in concentration between the following categories:

- 0 to 20 mg/L
- >20 to 45 mg/L
- >45 to 65 mg/L
- >65 mg/L

Numerical flags in the "Change" column of Tables 3-15 through 3-19 follow the same logic as described above: a reported nitrate concentration increase of one category relative to the previous quarter's sample will read +1; a decrease of two categories will read -2.

3.2.1 TCE Concentrations

Reported TCE concentrations at 35 of the 45 remedial investigation monitoring wells sampled during the first quarter of 2005 are not markedly changed relative to the previous values for these wells (Table 3-1). Data from the first quarter show:

- The number of remedial investigation monitoring wells exhibiting concentrations of TCE greater than the MCL of 5 µg/L increased from 30 wells during fourth quarter 2004 (annual) event to 32 wells during this quarter.
- Two monitoring wells (CS-C05-160 and PO-VPB-07) exhibited increases of two categories (12 to 150 µg/L and ND to 25 µg/L, respectively).
- Four monitoring wells (CS-C06-185, CS-VPB-05, NH-VPB-05, and NH-VPB-08) exhibited increases of one category (3.5 to 8.8 µg/L, 720 to 2,100 µg/L, 4.1 to 5.8 µg/L, and 4.7 to 5.4 µg/L, respectively).
- Four monitoring wells (CS-C02-062, CS-C03-100, NH-C05-460, and PO-VPB-08) exhibited a decrease of one or more categories (62 to 36 µg/L, 1,000 to 290 µg/L, 63 µg/L to ND, and 13 to 4.6 µg/L, respectively).

Comparison of the TCE data for the second quarter with data from the first quarter shows 37 of the 42 remedial investigation monitoring wells sampled are not markedly changed relative to the values for these wells from the first quarter (Table 3-2). Data from the second quarter show:

- The number of remedial investigation monitoring wells exhibiting concentrations of TCE greater than the MCL of 5 µg/L decreased from 32 to 30 wells.
- Two monitoring wells during the second quarter (CS-C03-100 and PO-VPB-07) exhibited an increase of TCE concentration of one category (290 to 710 µg/L and 25 to 93 µg/L, respectively).

- One well NH-C05-460 increased four categories (ND to 110 µg/L) comparable to previous concentrations, the ND concentration during the previous quarter was anomalous.
- Two monitoring wells (NH-VPB-05 and NH-VPB-08) exhibited a decrease of one category (5.8 to 4.6 µg/L and 5.4 to 5 µg/L, respectively).

Comparison of the TCE data for the third quarter 2005 with data from the second quarter shows only slight variations. The number of remedial investigation monitoring wells exhibiting concentrations of TCE greater than the MCL of 5 µg/L remained constant at 30 of the 44 wells sampled (Table 3-3). Data from the third quarter show:

- Three monitoring wells (NH-C03-380, NH-C05-460, and PO-VPB-07) showed a decrease of one category; however, two of these monitoring wells had exhibited increases of one category the previous quarter.
- Two monitoring wells (PO-VPB-08 and VD-VPB-01) exhibited an increase of TCE concentration of one category (5 to 6.9 µg/L and NS to 0.18J µg/L, respectively). VD-VPB-01 had not been sampled since the fourth quarter of 2000 due to lack of adequate water to provide pump submergence.

The number of remedial investigation monitoring wells exhibiting concentrations of TCE greater than the MCL of 5 µg/L during the 2005 annual event increased to 32 from 30 the previous quarter (Table 3-4). Data from the fourth quarter (annual) event show:

- Six monitoring wells (CS-C03-550, NH-VPB-05, NH-VPB-08, NH-VPB-10, PO-C02-053, and VD-VPB-02) exhibited an increase between categories (NS to 1.5 µg/L, 4.2 to 7.9 µg/L, 3.7 to 9.1 µg/L, NS to 0.25J µg/L, and ND to 0.07J µg/L, respectively).
- Five monitoring wells (CS-C03-100, CS-C03-325, CS-VPB-01, CS-VPB-05, and NH-C02-520) exhibited a decrease between categories (950 to 470 µg/L, 1.4 to ND µg/L, 160 to 89 µg/L, 1,500 to 840 µg/L, and 56 to 43 µg/L, respectively).

Reported TCE concentrations at remedial investigation monitoring wells sampled during 2005 exhibited some fluctuation; however, overall the concentrations remained generally consistent (Table 3-5). The number of remedial investigation monitoring wells exhibiting concentrations of TCE greater than the MCL of 5 µg/L ranged from 32 monitoring wells in the first quarter, 30 wells in the second quarter, 30 wells in the third quarter, and 32 wells in the fourth quarter.

Historic concentration data acquired to date for TCE and PCE are presented as VOC concentration and water level plots for each RI monitoring well in Appendix I. These plots also include the historic maximum concentration and the average concentration for the well. Concentrations that are reported below laboratory detection limits are plotted with non-filled symbols at the detection limit.

3.2.2 PCE Concentrations

PCE data at 30 of the 45 remedial investigation monitoring wells sampled during the first quarter 2005 exhibited little change compared to the fourth quarter of 2004. The number of

wells with PCE concentrations greater than the MCL of 5 µg/L increased to 22 from 21 during the previous annual event (Table 3-6). Data from the first quarter show:

- Six monitoring wells, a decrease of one category (7.4 to 4.7 µg/L at CS-C02-180, 2.6 to ND µg/L at CS-C05-460, 110 to 98 µg/L at PO-VPB-02, 7.6 to 5 µg/L at PO-VPB-03, 9.6 to 3.5 µg/L at PO-VPB-08, and 0.24 to ND µg/L at VD-VPB-06) was observed.
- Nine monitoring wells (CS-C03-100, CS-C05-160, CS-VPB-03, CS-VPB-05, CS-VPB-08, CS-VPB-09, NH-C03-680, PO-VPB-07, and VD-VPB-02) exhibited an increase of one or more categories (66 to 280 µg/L, 0.57 to 6.7 µg/L, ND to 0.17 µg/L, 32 to 59 µg/L, 59 to 180 µg/L, 3.6 to 19 µg/L, ND to 0.18 µg/L, ND to 2.2 µg/L, and 3.2 to 6.4 µg/L, respectively).

The number of remedial investigation monitoring wells exceeding the MCL for PCE during the second quarter of 2005 remained constant at 22 (Table 3-7). Data from the second quarter show:

- In comparison to the previous quarter, three monitoring wells (CS-C03-100, NH-C03-380, and NH-C03-680) exhibited a decrease of one category (280 to 100 µg/L, 10 to 4.5 µg/L, and 0.18 to ND µg/L, respectively).
- Four monitoring wells (CS-C02-180, NH-C05-460, VD-VPB-03, and VD-VPB-07) exhibited an increase of one category (4.7 to 6.4 µg/L, ND to 2.8 µg/L, ND to 0.17 µg/L, and ND to 0.11 µg/L, respectively).

During the third quarter of 2005, the number of sampled remedial investigation monitoring wells exceeding the MCL for PCE decreased to 20 wells (Table 3-8). Data from the second quarter show:

- Three monitoring wells, CS-VPB-03 (0.2 to ND µg/L), NH-C03-580 (16 to 4.4 µg/L), and VD-VPB-02 (5.1 to 1.5 µg/L), exhibited a decrease of one category.
- Two monitoring wells (NH-C03-680 and VD-VPB-06) exhibited an increase of one category, ND to 0.17 µg/L and ND to 0.19 µg/L, respectively.

The number of sampled remedial investigation monitoring wells exceeding the MCL for PCE during the fourth quarter of 2005 increased to 21 wells (Table 3-9). Data from the fourth quarter (annual) event show:

- Comparison of PCE concentrations for the fourth quarter 2005 event to the third quarter sampling event show six wells (CS-C03-100, CS-C03-550, CS-VPB-03, NH-C01-660, NH-C04-240, and PO-C02-205) with an increase of one category (92 to 110 µg/L, ND to 0.86 µg/L, ND to 0.11J µg/L, ND to 0.8J µg/L, ND to 0.21J µg/L, and ND to 0.54 µg/L, respectively).
- Three monitoring wells exhibited a decrease of one category, CS-C01-105 (75 to 5.1 µg/L), CS-C03-325 (0.64 to ND µg/L), and PO-VPB-06 (ND to 0.54 µg/L).

PCE concentrations at remedial investigation monitoring wells sampled during 2005 exhibited little change throughout the year (Table 3-10). The number of remedial investigation monitoring wells exhibiting concentrations of PCE greater than the MCL of 5 µg/L ranged from 22 wells in the first quarter, 22 wells in the second quarter, 20 wells in

the third quarter, and 21 wells in the fourth quarter. Of the 16 wells with variations of PCE concentrations during 2005, none of the variations exceeded one category.

3.2.3 Other VOCs

VOCs detected other than TCE and PCE during the quarterly sampling events were similar to previous VOC detections. During each quarterly event, several non-chlorinated and chlorinated VOCs (including acetone, 2-butanone, chloroform, and methylene chloride) were detected at concentrations below the CRQL (J-qualified). These compounds are also recognized as common laboratory and/or field blank contaminants. The environmental sample is "B-qualified" when the analyte is found in the associated blank sample, and when this occurs the analytes are eliminated as constituents of potential concern.

The number of remedial investigation monitoring wells where VOCs (other than TCE and PCE) were detected is similar to the remedial investigation monitoring wells where previous detections of other VOCs have been detected.

During the first quarter 2005 sampling event, 17 wells exceeded the MCL for VOCs other than TCE and PCE (Table 3-11). Compounds detected in these wells include:

- 1,1-dichloroethene, 1,1-dichloroethane, and carbon tetrachloride at CS-VPB-04, CS-VPB-05, and CS-VPB-07.
- Carbon tetrachloride and 1,1-dichloroethene at CS-C03-100.
- Carbon tetrachloride at CS-C01-285, CS-C02-250, CS-C02-335, CS-C05-160, CS-VPB-01, CS-VPB-03, CS-VPB-06, NH-C02-325, NH-C02-520, NH-C06-285, NH-VPB-01, NH-VPB-05, and PO-VPB-08.

During this sampling event, MTBE concentrations between 0.17J and 1.8 µg/L were detected at seven monitoring wells: CS-VPB-01 at 0.62 µg/L, CS-VPB-04 at 0.45J µg/L, CS-VPB-05 at 0.7 µg/L, PO-C03-182 at 0.35J µg/L, PO-VPB-02 at 1.8 µg/L, PO-VPB-07 at 0.18J µg/L, and VD-VPB-06 at 0.17J µg/L.

During the second quarter 2005 sampling event, 15 monitoring wells exceeded the MCL for VOCs other than TCE and PCE (Table 3-12). The monitoring wells with these detections are similar to the monitoring wells with other VOCs during the first quarter of this year. Compounds detected in these wells include:

- 1,1-dichloroethene, 1,1-dichloroethane, and carbon tetrachloride at CS-VPB-04, CS-VPB-05, and CS-VPB-07.
- Carbon tetrachloride and 1,1-dichloroethene at CS-C05-160 and CS-VPB-06.
- 1-dichloroethene and 1,1-dichloroethane at CS-C03-100.
- 1,1-dichloroethene at PO-VPB-02.
- Carbon tetrachloride at CS-C01-285, CS-C02-250, CS-C02-335, CS-VPB-03, NH-C02-520, NH-C06-285, NH-VPB-01, and NH-VPB-05.

During this sampling event, MTBE concentrations between 0.1 and 0.85 µg/L were detected at 10 monitoring wells: CS-C02-62 at 0.32J µg/L, CS-VPB-01 at 0.85 µg/L, CS-VPB-04 at 0.4J

µg/L, CS-VPB-06 at 0.13J µg/L, CS-VPB-08 at 0.7 µg/L, CS-VPB-09 at 0.1 µg/L, NH-VPB-01 at 0.18J µg/L, PO-VPB-08 at 0.75 µg/L, PO-C03-182 at 0.21J µg/L, and VD-VPB-06 at 0.33 µg/L.

During the third quarter 2005 sampling event, 15 monitoring wells exceeded the MCL for VOCs other than TCE and PCE (Table 3-13). Compounds detected in these wells include:

- 1,1-dichloroethene, 1,1-dichloroethane, and carbon tetrachloride at CS-C03-100, CS-VPB-04, CS-VPB-05, and CS-VPB-07.
- 1,1-dichloroethene at PO-VPB-02
- Carbon tetrachloride and 1,1-dichloroethene at CS-VPB-06
- Carbon tetrachloride at CS-C01-285, CS-C02-250, CS-C02-335, CS-C05-160, CS-VPB-01, NH-C02-520, NH-C06-285, NH-VPB-01, and NH-VPB-05.

MTBE concentrations between 0.27 and 7.8 µg/L were detected at seven monitoring wells during the third quarter of 2005: CS-C02-062 with 0.33J µg/L, CS-VPB-01 with 1.1 µg/L, CS-VPB-04 with 0.27J µg/L, CS-VPB-05 with 0.69 µg/L, CS-VPB-08 with 0.77 µg/L, PO-VPB-08 with 0.42J µg/L, and VD-VPB-01 with 7.8 µg/L.

During the fourth quarter 2005 sampling event, 18 monitoring wells exceeded the MCL for VOCs other than TCE and PCE (Table 3-14). Compounds detected in these wells include:

- 1,1-dichloroethene, 1,1-dichloroethane, and carbon tetrachloride at CS-C03-100, CS-VPB-04, CS-VPB-05, and CS-VPB-07.
- Carbon tetrachloride and 1,1-dichloroethene at CS-C05-160 and CS-VPB-06.
- 1,1-dichloroethane at NH-VPB-10.
- 1,1-dichloroethene at CS-VPB-03 and PO-VPB-02.
- Carbon tetrachloride at CS-C01-285, CS-C02-250, CS-C02-335, NH-C02-520, NH-C06-285, NH-VPB-01, NH-VPB-05, PO-C01-195, and PO-VPB-07.

MTBE concentrations between 0.2 and 1.6 µg/L were detected at 14 monitoring wells during the fourth quarter of 2005: CS-C02-062 with 0.49J µg/L, CS-VPB-01 with 0.8 µg/L, CS-VPB-02 with 0.11J µg/L, CS-VPB-08 with 0.56 µg/L, CS-VPB-10 with 0.17J µg/L, NH-VPB-01 with 0.14 µg/L, PO-C03-182 with 0.21J µg/L, PO-VPB-02 with 0.29J µg/L, PO-VPB-06 with 0.16 µg/L, PO-VPB-08 with 0.51 µg/L, µg/L, VD-VPB-01 with 7.4 µg/L, VD-VPB-02 with 0.35J µg/L, VD-VPB-03 with 0.49J µg/L, and VD-VPB-06 with 0.17J µg/L.

3.2.4 Nitrate

Nitrate (as NO_3) concentrations for each quarterly event of 2005, along with historic maximum and minimum concentrations, are presented in Tables 3-15, 3-16, 3-17, and 3-18. A comparative summary of the quarterly nitrate concentrations is shown in Table 3-19.

Of the 45 remedial investigation monitoring wells sampled during the first quarter of 2005, 13 exhibited concentrations exceeding the nitrate MCL of 45 mg/L (as NO_3) compared to

10 wells during the fourth quarter 2004 annual sampling event (Table 3-15). During the first quarter:

- Three monitoring wells (CS-C02-062, CS-VPB-04, and VD-VPB-03) exhibited a one category increase in reported nitrate concentration placing them above the MCL.
- Four monitoring wells (NH-C03-380, NH-C05-460, VD-VPB-06, and VD-VPB-07) exhibited a one category decrease in reported nitrate concentration placing them below the MCL.

During the second quarter of 2005, nitrate concentrations exceeding the MCL were observed at 12 monitoring wells, decreasing from 13 monitoring wells the previous quarter (Table 3-16). During the second quarter:

- Five monitoring wells (NH-C02-530, NH-C05-460, NH-VPB-05, PO-VPB-07, and VD-VPB-07) exhibited an increase of one category. Two of these wells (NH-C02-520 and PO-VPB-07) increased to above the MCL.
- One monitoring well, CS-C02-062, exhibited a decrease of one category.

During the third quarter, nitrate concentrations greater than the MCL were observed at 11 of the 44 monitoring wells sampled (Table 3-17). Four remedial investigation wells showed a comparative change in values for nitrate between the second quarter and the third quarter.

- Three monitoring wells (CS-C03-100, NH-C03-580, and PO-VPB-07) decreased one category, resulting in CS-C03-100 and PO-VPB-07 dropping below the MCL.
- One monitoring well (NH-C05-460) increased one category.

During the fourth quarter annual event, nitrate concentrations greater than the MCL were observed at 13 of the 65 monitoring wells (Table 3-18).

- Five monitoring wells (CS-C01-105, CS-C03-100, NH-C04-375, PO-VPB-07, and VD-VPB-07) showed an increase in categories. Four of these monitoring wells (CS-C01-105, CS-C03-100, PO-VPB-07, and VD-VPB-07) increased to above the MCL.
- Six monitoring wells (CS-C06-278, NH-C02-520, NH-C05-460, NH-VPB-08, PO-VPB-05 and VD-VPB-02) were decreased one category. Two of these monitoring wells (NH-C02-520 and VD-VPB-02) decreased to below the MCL.

3.2.5 Metals

Analysis of dissolved metals was conducted during the fourth quarter 2005 annual sampling event. Metals that were reported above primary and secondary MCLs included dissolved manganese and dissolved chromium (Table 2-9). Chromium was detected in four monitoring wells (CS-C03-100, CS-VPB-04, CS-VPB-05, and PO-VPB-02) and manganese was detected in two monitoring wells (PO-C02-205, and PO-VPB-08). The concentrations of dissolved chromium in monitoring wells CS-C03-100 and CS-VPB-05 decreased from 138 µg/L to 56.8 µg/L and 373 µg/L to 229 µg/L. However, chromium concentrations at CS-VPB-04, located between the wells mentioned above, increased from 247 µg/L to 455 µg/L. PO-VPB-02 remained comparable to observed historic concentrations with 258 µg/L.

3.2.6 Hexavalent Chromium

Concentrations of hexavalent chromium exceeding the MDL of 0.2 µg/L were detected in 40 of the 45 monitoring wells (11 exceeding 5 µg/L) sampled during the first quarter sampling event; 36 of the 42 monitoring wells (11 exceeding 5 µg/L) sampled during the second quarter sampling event; 36 of the 44 monitoring wells (11 exceeding 5 µg/L) sampled during the third quarter sampling event; and, 48 of the 65 monitoring wells (12 exceeding 5 µg/L) sampled during the fourth quarter sampling event (Table 2-10).

Beginning in 2000, USEPA has included hexavalent chromium as a part of the analytical suite for all sampling events (quarterly and annual). Between 2000 and 2005, the hexavalent chromium concentrations in most of the monitoring wells have remained generally consistent, with fluctuations of 1 or 2 µg/L observed. However, 11 of the 81 wells in the monitoring program merit further discussion. The detected concentrations that exceeded 5 µg/L were at a consistent set of monitoring wells (CS-C02-062, CS-C02-250, CS-C02-335, CS-C03-100, CS-C05-160, CS-VPB-03, CS-VPB-04, CS-VPB-05, CS-VPB-06, CS-VPB-07, NH-C06-160, and PO-VPB-02) with the addition of CS-VPB-09 during the fourth quarter event (Table 2-10). Four of these 11 monitoring wells (CS-C03-100, CS-VPB-03, CS-VPB-04, and CS-C05-160) had an increasing trend during 2005 (17 to 59 µg/L, 32 to 49 µg/L, 480 to 550 µg/L, and 15 to 36 µg/L, respectively). Three of the remaining wells (CS-VPB-05, CS-VPB-07, and PO-VPB-02) had a decreasing trend during 2005 (370 to 220 µg/L, 82 to 5.7 µg/L and 330 to 260 µg/L, respectively). The detected concentrations at the remaining four monitoring wells were relatively consistent during the quarterly sample events of 2005.

3.2.7 Other Analytical Parameters

During the 2005 fourth quarter sampling event, groundwater was analyzed for general water chemistry parameters including chloride, sulfate, total alkalinity, TDS, and TOC (Table 2-8). TDS values ranged from 250 (NH-C02-681) to 1,200 mg/L (CS-C01-105 and CS-VPB-09). The secondary MCL (500 mg/L) for TDS was exceeded in 34 of the 65 remedial investigation monitoring wells during the fourth quarter (Table 2-8). Total alkalinity ranged from 100 mg/L (VD-VPB-06) to a high of 570 mg/L (CS-VPB-09). All remedial investigation monitoring wells were below the secondary MCL for sulfate (250 mg/L), with the exception of CS-C01-105, CS-C02-180, NH-C06-425, and PO-VPB-07, which had concentrations of 290 mg/L, 290 mg/L, 390 mg/L, and 250 mg/L, respectively. Historically, these same remedial investigation monitoring wells have been noted for observed concentrations exceeding the secondary MCLs.

3.3 Concentration Contour Maps

TCE and PCE are common and widespread in the SFV Basin and roughly reflect the distribution of other VOCs. To evaluate the lateral and vertical distribution of TCE, PCE, and nitrate in the SFV, depth-specific concentration contour maps were created using current data from CH2M HILL's SFV Basin groundwater database. Figure 3-1 presents a map showing the locations of the wells used for preparation of the contour maps, and the contour maps are presented in Figures 3-2 through 3-7. The database includes water quality and water level data for the remedial investigation wells, as well as data from local facilities in the SFV, transmitted by the California RWQCB and LASC. Data from local groundwater

purveyors (LADWP, the Cities of Glendale and Burbank, and Crescenta Valley County Water District) were also incorporated into the database.

3.3.1 Interval Selection

The depth intervals for the 2005 concentration contour maps are based on: (1) water level data from remedial investigation monitoring wells, facility wells, and production wells; (2) screened intervals in monitoring wells, facility wells, and production wells; and (3) concentration values for TCE, PCE, and nitrate from the most recent sampling event for the available remedial investigation monitoring wells, facility wells, and landfill wells. The concentration of TCE, PCE, and nitrate is typically greater in wells with screens at or near the water table, with groundwater contamination generally decreasing with depth. Exceptions to this trend are apparent in the southern portion of Area 1 and an area in the southern portion of the GNOU.

Based on the available data, two sets of depth-specific concentration contour maps were developed based upon wells that are screened: (1) within 50 feet of the water table (Shallow Zone) and (2) more than 50 feet below the water table (Deeper Zone).

Data from production wells are categorized in the same manner as the remedial investigation monitoring wells. Production wells with the top of their screened interval within 50 feet of the water table are in the upper interval, and wells with the top of their screen greater than 50 feet below the water table are in the lower zone. Production well data are posted on the concentration contour maps; however, the concentration of the constituent within the well is considered only as an indicator on the upper zone maps because the constituents may be diluted by water entering the well screens from deeper intervals that have lower concentrations of the constituents.

3.3.2 Estimated Aerial Extent

The depth-specific concentration contour maps combine available water quality data with professional judgment to present a simplified, “smoothed” depiction of TCE, PCE, and nitrate concentrations in the eastern SFV Basin (Figures 3-2 through 3-7). The figures were prepared by hand contouring the relative concentration contours onto GIS-generated maps depicting available TCE, PCE, and nitrate values.

Concentrations are based on the available representative data from the remedial investigation monitoring wells, facility wells, landfill wells, and production wells incorporated in the SFV database. This data set of representative data in the SFV database include all available “recent” data while also retaining “older” data (data older than 5 years). The “older” data are retained at the latest-known value until a more recent replacement value is obtained. These older data points are presented on the concentration contour maps with a different well symbol. Approximately 387 of the 860 monitoring and production wells used in preparation of the concentration contour maps for 2005 were considered “older” data points (i.e., pre-2000). The primary areas where the majority of the older data are located include: the northern and central portions of the NHOU, representing mainly landfill monitoring wells and production wells); east and south of the Burbank Airport in the BOU, representing mainly former facility monitoring wells; in the central and southern portions of the GNOU, representing former facility monitoring wells and former

City of Glendale production wells; and the northern portion of the GSOU, representing former facility monitoring wells.

Using the most recently available value, not the maximum or average value, does not significantly affect the interpretations shown in the concentration contour maps as they are developed. However, this method presents the current concentration contour maps as similar to earlier maps in the areas of older data. More significant differences are observed in those areas where recently available data exist.

Because the data incorporated into the SFV database are obtained from various sources with varying, different schedules of sampling, the figures are not a "snapshot in time" but rather, represent the most recently available data.

The estimated direction of groundwater flow is used to assist estimating the shape and size of individual zones of contamination. These parameters are also used for approximating the lateral boundaries, although these boundaries are more readily determined from reported concentration values. The groundwater flow directions are fairly well understood, but the downgradient margins of contamination are not always well-defined.

As additional data are incorporated into the SFV database from newly installed wells or older wells that have been recently sampled, the interpretation of the "area of detectable concentration" is also re-evaluated. For example, TCE and PCE concentrations from new facility wells in the NHOU were reviewed to estimate the extent of groundwater contamination in the area.

3.3.3 Shallow Zone

Concentration contours in the shallow interval are based on available TCE, PCE, and nitrate data (Figures 3-2 through 3-4). Areas within the 5 µg/L (MCL) concentration contour for both TCE and PCE are similar to the areal coverage estimated in previous concentration contour maps. For both TCE and PCE, this area encompasses the southern half of Area 1 (NHOU and BOU), the central and western portions of Area 2 (GNOU and GSOU), and the central portion of Area 4 (Pollock).

Area 1 (NHOU and BOU)

Area 1 contains three distinct general areas where concentrations of TCE exceed the 100 µg/L concentration contour, similar to the previous years. The first of these areas begins east of the Burbank Airport, in the vicinity of several facilities adjacent to the Lockheed Martin Corporation (LMC) former B-6 plant area, and extends in a southeasterly direction toward the former LMC B-1 plant area. This area also includes the former LMC A-1 area, immediately south of the Burbank Airport, and continues for approximately 2-½ miles (approximately 1-mile wide at its widest point) to the southern portion of the GNOU. Recently available data (December 2005) for facility monitoring wells also indicates several isolated areas where TCE concentrations exceed 500 µg/L south and east of the Burbank Airport (3860K with 760 µg/L, LA1-CW07 with 790 µg/L, and 3850N with 760 µg/L). Slightly north of the BOU extraction wells the areas greater than 500 µg/L were comparable to the areas presented on the 2004 TCE concentration map.

A separate area of TCE concentrations exceeding 100 µg/L occurs at the former LMC C-1 plant area at the western end of the Burbank Airport. In this area during December 2005, a TCE concentration of 1,200 µg/L was detected at monitoring well LC1-CW06.

The third area of TCE concentrations greater than the 100 µg/L occurs in the vicinity of the Honeywell facility near the North Hollywood Treatment Plant. This western TCE plume area is generally distributed along the axis of the NHOU extraction well system, with the concentrations decreasing to the south. In this area, several additional monitoring wells have been installed by Honeywell at the request of USEPA and RWQCB in 2004 and 2005 to further assess the character and extent of this contaminant plume.

PCE concentrations in the eastern portion of Area 1 exceed 100 µg/L in approximately the same general isolated areas as described above for TCE concentrations. North of the BOU extraction well system, wells LB6-CW15 and LB6-CW03R recently contained PCE concentrations of 380 and 230 µg/L, respectively. A concentration of 514 µg/L was detected at BOU extraction well VO-4 (in the former LMC B-1 area). Compared to concentrations detected in previous years, the areas of elevated PCE concentrations are similar, with the exception of a slight shifting to the west that may be an artifact of different LMC monitoring wells selected for recent sampling.

In the western portion of Area 1, in the vicinity of the NHOU Treatment Plant, PCE concentrations exceed the MCL in a plume similar to the above described plume for TCE. The total area with concentrations greater than 50 µg/L is smaller than the area for TCE. Additional water quality data from recently installed facility monitoring wells should provide a more refined delineation of the areas exceeding the MCLs.

Area 2 (GNOU and GSOU)

Area 2 contains several areas where concentrations of TCE exceed 100 µg/L. These isolated areas are similar in orientation to the areas observed in previous years, with the largest of these areas representing a continuation of the plume originating upgradient in Area 1 extending approximately 3 miles southeasterly to a point immediately south of the GNOU extraction well system near the Glendale Treatment Plant. In addition to this area there is an additional elongated area extending along the I-5 corridor where several smaller areas of higher TCE concentrations are associated with former industrial facilities. These two elongated areas of higher concentrations merge in the vicinity of the LA River Narrows forming a single plume.

An area exceeding the 50 µg/L contour is present in the southwestern portion of Area 2 (GSOU). Recent data indicate that this area is apparently separate from the large extended area described above, and is somewhat isolated in the vicinity of several former facilities north of the Glendale South extraction wells. Recent facility monitoring well data provided improved delineation in this area, which appears to be slightly smaller when compared to 2003.

PCE concentrations in Area 2 exceeding 100 µg/L are similar to the areas of higher TCE concentrations described above. Most of these areas of higher PCE concentration are also consistent with the areas of elevated PCE concentrations observed during the previous year. Additional data from monitoring wells in the vicinity of the All Metals facility, immediately northwest of the Glendale North extraction well system have improved delineation of this potentially contaminated area, indicating two separate areas exceeding 100 µg/L that merge near GNOU extraction wells GN-1 and GN-2.

An additional area of PCE concentrations exceeding the 100 µg/L concentration contour is observed in the southwestern portion of Area 2 (GSOU), consistent with the area observed for TCE contamination described above. Again, at the request of RWQCB, facilities in this area have been providing recently acquired water quality data allowing refinement to the identified areas of contamination.

Area 3 (Verdugo Area)

Area 3 was removed from the NPL during 2004. However, water quality data are still collected from the RI monitoring wells and input into the USEPA's SFV database, along with data received from the CVCWD. 2005 data indicate that concentrations of TCE and PCE were below the MCLs, with the maximum observation for PCE of 4.1 µg/L reported during December 2005 at VD-VPB-01.

Area 4 (Pollock Area)

In Area 4 TCE concentrations exceeding the MCLs are detected in three apparently small, separate areas: One area directly east of LADWP's Pollock Treatment Plant; a second isolated area slightly north of the Pollock Treatment Plant; and, a third area located in the Taylor Yard south of the Pollock Wellfield. The areas in the vicinity of the Pollock Treatment Plant that exceed the MCL for TCE are similar to 2004. The area of higher TCE concentrations in the former Taylor Yard is also similar to previous detections.

Recent PCE concentration data in the Taylor Yard area indicate that the total area of potential contamination is similar to recent years; however, where historic concentrations as high as 540 µg/L once were observed, the maximum detected concentrations from 2005 are below 20 µg/L.

Additional details of the shallow zone TCE and PCE concentration contour maps are located in Appendices G and H, respectively. These appendices present each shallow-zone concentration contour map with well locations, shown with a grid network imposed over the area within the 0.5 µg/L contour line. Similar to the presentation of an area in the Thomas Guides®, each grid square is presented as a separate plate showing greater detail than presented on the larger TCE and PCE concentration contour maps, along with street and highway names and other geographic information.

Nitrate

The nitrate concentration contour map of the shallow zone shows nitrate exceeding the MCL of 45 mg/L (as NO_3). Somewhat similar to previous maps, there are several isolated, elongated areas, which cover a substantial portion of the NHOU and extend southeastward through the BOU and the GNOU and GSOU to the vicinity of the Pollock Wellfield. A separate, elongated area of nitrate contamination in excess of the MCL covers a large portion of the Verdugo Area extending southward.

3.3.4 Deeper Zone

As discussed above, the concentrations of TCE and PCE generally decrease with depth (Figures 3-5 and 3-6). However, data for TCE and PCE from the lower interval are more limited. The areas in the lower interval exceeding 5 µg/L for both TCE and PCE are similar to what was detected during 2004, and they generally underlie the areas of contamination in

the shallow zone (described above); however, the areas are less widespread than the areas observed in the shallow zone.

Area 1 (NHOU and BOU)

Area 1 contains two prominent areas where concentrations of TCE exceed 5 µg/L, similar to previous years. The first of these areas underlies the shallow zone contamination detected to the southeast of the Burbank Airport. Although the general orientation has a comparable southeasterly orientation, the area in excess of 50 µg/L appears to be trending southeasterly from the vicinity of the BOU's extraction well system.

Isolated areas of deeper zone TCE concentrations in excess of 5 µg/L appear immediately south and west of the Burbank Airport in the vicinity of the LADWP Whitnall Wellfield and near NH-C02 similar to prior years. An additional area of higher concentrations is located in the vicinity of LADWP's Rinaldi-Toluca and North Hollywood Wellfields, where a TCE concentration of 100 µg/L in December 2005 was detected at NH-C05-460. In the vicinity of the NHOU Treatment Plant, concentrations of TCE exceeding the MCL in the deeper zone were detected at the Honeywell site.

PCE concentrations in Area 1 exceeding 5 µg/L are similar in total area to the area observed during 2004. However, 2005 data indicate that the localized areas in the vicinity of the BOU extraction well system previously exceeding 500 µg/L appear smaller. The areas of deeper PCE contamination in the southern portion of Area 1 and the northern portion of Area 2 appear to be generally consistent with deeper zone detections during previous years.

Area 2 (GNOU and GSOU)

Area 2 contains several smaller, isolated areas where concentrations of TCE exceed 5 µg/L similar to what has been detected previously. In the southern portion of Area 2 (GSOU), isolated areas of deeper zone contamination conform generally to the shallow zone contamination and are also similar in orientation and magnitude to that observed during 2004.

PCE concentrations in Area 2 exceeding 5 µg/L are consistent with the areas for TCE described above. Differences between these areas when compared to the observations from previous years are minor. PCE concentrations in the smaller, isolated areas in the southern portion of Area 2 are also comparable in size and concentrations to observations during 2004.

Area 4 (Pollock Area)

In Area 4 (Pollock Area), deeper zone concentrations of TCE and PCE in excess of the MCL are detected in a single, isolated area in the vicinity of the Pollock Treatment Plant, north of the Taylor Yard. This area conforms to the area detected in the shallow zone area described above and is similar to previous years.

Nitrate

Nitrate contamination in the deeper zone is less extensive than observed in the shallow zone (Figure 3-7). Several small, isolated areas exceeding the MCL are located in the NHOU.

TABLE 3-1
Maximum and Minimum Detected TCE Values - First Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
CS-C01-105	NS	50	49	NS	**110**		12/12/2003	**28**	**400 J**	10/26/1994
CS-C01-285	3/21/2005	58	58	**370**	**320**		12/14/2004	**26**	**530**	12/21/2001
CS-C01-558	NS	13	2	NS	ND (0.5)		12/2/2004	0.08 J	0.5 J	12/14/1995
CS-C02-062	3/22/2005	54	54	**36**	**67**	-1	12/15/2004	**30**	**200**	11/8/1993
CS-C02-180	3/22/2005	55	54	**11**	**17**		12/15/2004	**11**	**280**	11/8/1993
CS-C02-250	3/22/2005	55	55	**180**	**170**		12/15/2004	**100**	**320**	11/8/1993
CS-C02-335	3/22/2005	55	53	**370**	**340**		12/15/2004	**51**	**420**	3/15/2004
CS-C03-100	3/23/2005	64	64	**290**	**1,000**	-1	12/17/2004	**30**	**5,400**	5/9/1995
CS-C03-325	NS	19	12	NS	1.4		12/2/2004	0.9	4.3	5/18/1990
CS-C03-465	3/23/2005	50	48	**8.2**	**7.4**		12/17/2004	0.27 J	**11**	6/7/2004
CS-C03-550	NS	15	2	NS	ND (0.5)		12/2/2004	0.1 J	0.1 J	12/17/2001
CS-C04-290	3/23/2005	55	54	**15**	**16**		12/16/2004	3.8	**50**	3/26/1991
CS-C04-382	3/23/2005	64	63	**26**	**24**		12/16/2004	**7**	**32**	11/10/1993
CS-C04-520	NS	13	0	NS	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C05-160	3/24/2005	55	54	**150**	**12**	+2	12/17/2004	**12**	**180**	9/19/2001
CS-C05-290	3/24/2005	54	52	**8.6**	**11**		12/17/2004	4	**66**	11/10/1993
CS-C06-185	3/16/2005	43	42	**8.8**	3.5	+1	12/17/2004	3.5	**130**	9/12/1997
CS-C06-278	NS	12	2	NS	ND (0.5)		12/6/2004	0.3 J	**10**	12/12/2000
CS-VPB-01	3/22/2005	39	38	**150**	**140**		12/15/2004	**80**	**220**	6/5/2003
CS-VPB-02	NS	52	50	NS	2.8		12/15/2004	0.6 J	**110**	2/11/1993
CS-VPB-03	3/22/2005	32	30	**19**	**12**		12/16/2004	0.5 J	**17**	9/23/2004
CS-VPB-04	3/23/2005	62	61	**4,800**	**4,700**		12/16/2004	**180**	**7,200**	9/24/2004
CS-VPB-05	3/24/2005	67	66	**2,100**	**720**	+1	12/17/2004	**7**	**1,600**	3/7/2002
CS-VPB-06	3/24/2005	60	59	**450**	**310**		12/17/2004	**20**	**540**	9/19/2001
CS-VPB-07	3/22/2005	66	65	**3,400**	**4,300**		12/17/2004	**650 J**	**5,000**	2/21/1994
CS-VPB-08	3/22/2005	45	43	**100**	**83**		12/16/2004	**8**	**180**	2/12/1993
CS-VPB-09	3/16/2005	36	4	ND (0.5)	ND (0.5)		12/16/2004	0.1 J	ND (1)	9/27/1990
CS-VPB-10	3/24/2005	65	50	**5.4 J**	**6.2**		12/17/2004	0.4 J	**13**	9/27/2004
CS-VPB-11	NS	42	33	NS	0.9		1/6/2003	0.6	**8**	9/15/1989
NH-C01-325	3/15/2005	52	36	1.1	1		3/19/2003	0.2 J	**9**	6/5/1997
NH-C01-450	NS	15	3	NS	1		12/10/2001	0.4 J	1	12/10/2001
NH-C01-660	NS	16	0	NS	ND (0.5)		11/30/2004	ND (0.5)	ND (0.5)	11/30/2004
NH-C01-780	NS	15	0	NS	ND (0.5)		11/30/2004	ND (0.5)	ND (0.5)	11/30/2004
NH-C02-220	NS	35	32	NS	**25**		6/13/2001	1 J	**30**	11/15/1993
NH-C02-325	3/21/2005	50	49	**15**	**8.6**		12/13/2004	**6**	**39**	3/16/2004
NH-C02-520	3/21/2005	47	44	**90**	**72**		12/13/2004	1.5	**260**	9/20/2001
NH-C02-681	NS	15	0	NS	ND (0.5)		12/1/2004	ND (0.5)	ND (0.5)	12/1/2004
NH-C03-380	3/18/2005	47	43	**11**	**11**		12/13/2004	0.75	**21**	5/1/1992
NH-C03-580	3/18/2005	56	52	**18**	**16**		12/13/2004	1	**49**	10/6/1998
NH-C03-680	3/15/2005	22	12	0.54	0.43 J		12/13/2004	0.43 J	**7**	12/12/2001
NH-C03-800	NS	15	3	NS	ND (0.5)		12/3/2004	0.2 J	2	1/11/2000

TABLE 3-1
Maximum and Minimum Detected TCE Values - First Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
NH-C04-240	NS	46	37	NS	0.26 J		12/3/2004	0.26 J	**9**	9/14/2000
NH-C04-375	NS	16	0	NS	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C04-560	NS	16	0	NS	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C05-320	NS	6	1	NS	ND (0.5)		12/4/2000	1	1	6/22/1998
NH-C05-460	3/18/2005	20	13	ND (0.5)	**110**	-4	12/13/2004	**10**	**110**	12/13/2004
NH-C06-160	3/21/2005	50	48	0.97	0.97		12/1/2004	0.93	**240**	1/25/1995
NH-C06-285	3/21/2005	19	15	**70**	**54**		12/14/2004	2	**75**	8/31/2004
NH-C06-425	NS	13	1	NS	ND (0.5)		12/1/2004	4	4	12/12/2002
NH-VPB-01	3/21/2005	61	59	**41**	**36**		12/14/2004	**22**	**510**	11/9/1993
NH-VPB-02	NS	20	9	NS	2.6		9/10/2003	0.2 J	3 J	12/10/2002
NH-VPB-03	NS	14	0	NS	ND (0.5)		6/3/2003	ND (0.5)	ND (0.5)	6/3/2003
NH-VPB-04	NS	12	0	NS	ND (0.5)		12/13/2001	ND (0.5)	ND (0.5)	12/13/2001
NH-VPB-05	3/15/2005	55	50	**5.8**	4.1	+1	12/1/2004	0.2 J	**58**	5/13/1994
NH-VPB-06	NS	23	17	NS	4		6/15/1998	1	**66**	12/18/1996
NH-VPB-07	NS	43	28	NS	ND (1) J		12/1/1999	0.7 J	**38 J**	9/11/1990
NH-VPB-08	3/15/2005	55	53	**5.4**	4.7	+1	12/13/2004	3	**19**	3/10/2000
NH-VPB-09	NS	33	15	NS	0.9		3/6/2001	0.3 J	1	12/7/2000
NH-VPB-10	NS	12	3	NS	ND (0.5)		12/14/2004	0.9 J	1	10/31/1994
NH-VPB-11	NS	11	0	NS	ND (1)		6/22/1998	ND (1)	ND (1)	6/22/1998
NH-VPB-12	NS	15	2	NS	ND (0.5)		12/13/2001	0.3 J	ND (1)	9/18/1990
NH-VPB-13	NS	11	5	NS	0.3 J		12/4/1995	0.3 J	3	11/11/1992
NH-VPB-14	NS	39	35	NS	**99**		3/15/2000	**99**	**1,400**	8/18/1993
PO-C01-195	3/24/2005	31	30	**7.6**	**11**		12/20/2004	0.9 J	**11**	12/20/2004
PO-C01-354	NS	17	1	NS	ND (0.5)		12/6/2004	0.06 J	0.06 J	1/7/2003
PO-C02-053	3/16/2005	50	48	0.42 J	1.2		12/6/2004	1.2	**33**	11/11/1993
PO-C02-205	NS	21	16	NS	ND (0.5)		12/6/2004	0.2 J	**32**	4/1/1991
PO-C03-182	3/16/2005	51	51	3	2.2		12/8/2004	2.2	**40**	10/28/1994
PO-C03-235	NS	40	35	NS	1.9		12/8/2004	0.9	**12**	12/15/1997
PO-VPB-01	3/16/2005	55	53	1.8	0.96		12/7/2004	0.8	ND ()	11/9/1989
PO-VPB-02	3/24/2005	59	57	**210**	**210**		12/20/2004	**97**	**900**	11/11/1993
PO-VPB-03	3/24/2005	55	53	**8**	**11**		12/20/2004	**9.3**	ND ()	11/14/1989
PO-VPB-04	NS	5	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
PO-VPB-05	NS	49	36	NS	0.27 J		12/7/2004	0.1 J	**10**	11/11/1993
PO-VPB-06	NS	19	13	NS	0.21 J		12/7/2004	0.21 J	3	11/4/1993
PO-VPB-07	3/16/2005	48	46	**25**	ND (0.5)	+2	12/20/2004	**11**	**370**	9/18/2001
PO-VPB-08	3/23/2005	56	51	2.9	**13**	-1	12/20/2004	0.8	**18**	12/15/1997
PO-VPB-09	NS	5	0	NS	ND (1) J		8/19/1993	ND (1) J	ND (1) J	8/19/1993
PO-VPB-10	NS	13	0	NS	ND (0.5) J		9/20/2001	ND (0.5) J	ND (0.5) J	9/20/2001
PO-VPB-11	NS	4	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
VD-VPB-01	NS	34	5	NS	ND (0.5)		12/8/2000	0.1 J	ND (1)	6/19/1998
VD-VPB-02	3/17/2005	60	1	ND (0.5)	ND (0.5)		9/2/2004	ND (0.5)	ND (0.5)	9/2/2004

TABLE 3-1

Maximum and Minimum Detected TCE Values - First Quarter 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
VD-VPB-03	3/17/2005	60	0	ND (0.5)	ND (0.5)		12/9/2004	ND (0.5)	ND (0.5)	12/9/2004
VD-VPB-04	NS	46	2	NS	ND (0.5)		9/11/2003	0.6	ND (1) J	2/27/1991
VD-VPB-05	NS	41	18	NS	0.1 J		9/9/2002	0.1 J	3	11/5/1993
VD-VPB-06	3/17/2005	62	2	ND (0.5)	ND (0.5)		12/8/2004	0.05 J	0.4 J	12/8/2000
VD-VPB-07	3/17/2005	54	1	ND (0.5)	ND (0.5)		12/8/2004	2 J	2 J	8/3/1995

Notes:

NS = Not sampled
ND (250) = Not detected (reporting limit)
µg/L = Micrograms per liter
J = Approximate concentration
Results greater than the MCL 5 µg/L are bolded
+1 = Value moved 1 concentration zone up from previous sample date.
-1 = Value moved 1 concentration zone down from previous sample date.

TABLE 3-2
Maximum and Minimum Detected TCE Values - Second Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
CS-C01-105	NS	50	49	NS	**110**		12/12/2003	**28**	**400 J**	10/26/1994
CS-C01-285	6/14/2005	58	58	**250**	**370**		3/21/2005	**26**	**530**	12/21/2001
CS-C01-558	NS	13	2	NS	ND (0.5)		12/2/2004	0.08 J	0.5 J	12/14/1995
CS-C02-062	6/15/2005	54	54	**29**	**36**		3/22/2005	**30**	**200**	11/8/1993
CS-C02-180	6/15/2005	55	54	**15**	**11**		3/22/2005	**11**	**280**	11/8/1993
CS-C02-250	6/15/2005	55	55	**130**	**180**		3/22/2005	**100**	**320**	11/8/1993
CS-C02-335	6/15/2005	55	53	**320**	**370**		3/22/2005	**51**	**420**	3/15/2004
CS-C03-100	6/15/2005	64	64	**710**	**290**	+1	3/23/2005	**30**	**5,400**	5/9/1995
CS-C03-325	NS	19	12	NS	1.4		12/2/2004	0.9	4.3	5/18/1990
CS-C03-465	6/15/2005	50	48	**8.4**	**8.2**		3/23/2005	0.27 J	**11**	6/7/2004
CS-C03-550	NS	15	2	NS	ND (0.5)		12/2/2004	0.1 J	0.1 J	12/17/2001
CS-C04-290	6/16/2005	55	54	**14**	**15**		3/23/2005	3.8	**50**	3/26/1991
CS-C04-382	6/16/2005	64	63	**22**	**26**		3/23/2005	**7**	**32**	11/10/1993
CS-C04-520	NS	13	0	NS	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C05-160	6/16/2005	55	54	**220**	**150**		3/24/2005	**12**	**180**	9/19/2001
CS-C05-290	6/16/2005	54	52	**12**	**8.6**		3/24/2005	4	**66**	11/10/1993
CS-C06-185	6/17/2005	43	42	**6.4**	**8.8**		3/16/2005	3.5	**130**	9/12/1997
CS-C06-278	NS	12	2	NS	ND (0.5)		12/6/2004	0.3 J	**10**	12/12/2000
CS-VPB-01	6/15/2005	39	38	**110**	**150**		3/22/2005	**80**	**220**	6/5/2003
CS-VPB-02	NS	52	50	NS	2.8		12/15/2004	0.6 J	**110**	2/11/1993
CS-VPB-03	6/14/2005	32	30	**19**	**19**		3/22/2005	0.5 J	**19**	3/22/2005
CS-VPB-04	6/16/2005	62	61	**3,600**	**4,800**		3/23/2005	**180**	**7,200**	9/24/2004
CS-VPB-05	6/16/2005	67	66	**2,100**	**2,100**		3/24/2005	**7**	**2,100**	3/24/2005
CS-VPB-06	6/17/2005	60	59	**370**	**450**		3/24/2005	**20**	**540**	9/19/2001
CS-VPB-07	6/15/2005	66	65	**3,300**	**3,400**		3/22/2005	**650 J**	**5,000**	2/21/1994
CS-VPB-08	6/14/2005	45	43	**82**	**100**		3/22/2005	**8**	**180**	2/12/1993
CS-VPB-09	6/9/2005	36	4	ND (0.5)	ND (0.5)		3/16/2005	0.1 J	ND (1)	9/27/1990
CS-VPB-10	6/16/2005	65	50	**9.3**	**5.4 J**		3/24/2005	0.4 J	**13**	9/27/2004
CS-VPB-11	NS	42	33	NS	0.9		1/6/2003	0.6	**8**	9/15/1989
NH-C01-325	NS	52	36	NS	1.1		3/15/2005	0.2 J	**9**	6/5/1997
NH-C01-450	NS	15	3	NS	1		12/10/2001	0.4 J	1	12/10/2001
NH-C01-660	NS	16	0	NS	ND (0.5)		11/30/2004	ND (0.5)	ND (0.5)	11/30/2004
NH-C01-780	NS	15	0	NS	ND (0.5)		11/30/2004	ND (0.5)	ND (0.5)	11/30/2004
NH-C02-220	NS	35	32	NS	**25**		6/13/2001	1 J	**30**	11/15/1993
NH-C02-325	6/13/2005	50	49	**9.8**	**15**		3/21/2005	**6**	**39**	3/16/2004
NH-C02-520	6/13/2005	47	44	**71**	**90**		3/21/2005	1.5	**260**	9/20/2001
NH-C02-681	NS	15	0	NS	ND (0.5)		12/1/2004	ND (0.5)	ND (0.5)	12/1/2004
NH-C03-380	6/13/2005	47	43	**5.4**	**11**		3/18/2005	0.75	**21**	5/1/1992
NH-C03-580	6/13/2005	56	52	**22**	**18**		3/18/2005	1	**49**	10/6/1998
NH-C03-680	6/8/2005	22	12	0.36 J	0.54		3/15/2005	0.36 J	**7**	12/12/2001
NH-C03-800	NS	15	3	NS	ND (0.5)		12/3/2004	0.2 J	2	1/11/2000

TABLE 3-2
Maximum and Minimum Detected TCE Values - Second Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
NH-C04-240	NS	46	37	NS	0.26 J		12/3/2004	0.26 J	**9**	9/14/2000
NH-C04-375	NS	16	0	NS	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C04-560	NS	16	0	NS	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C05-320	NS	6	1	NS	ND (0.5)		12/4/2000	1	1	6/22/1998
NH-C05-460	6/13/2005	20	13	**110**	ND (0.5)	+4	3/18/2005	**10**	**110**	12/13/2004
NH-C06-160	6/8/2005	50	48	0.71	0.97		3/21/2005	0.71	**240**	1/25/1995
NH-C06-285	6/14/2005	19	15	**57**	**70**		3/21/2005	2	**75**	8/31/2004
NH-C06-425	NS	13	1	NS	ND (0.5)		12/1/2004	4	4	12/12/2002
NH-VPB-01	6/14/2005	61	59	**33**	**41**		3/21/2005	**22**	**510**	11/9/1993
NH-VPB-02	NS	20	9	NS	2.6		9/10/2003	0.2 J	3 J	12/10/2002
NH-VPB-03	NS	14	0	NS	ND (0.5)		6/3/2003	ND (0.5)	ND (0.5)	6/3/2003
NH-VPB-04	NS	12	0	NS	ND (0.5)		12/13/2001	ND (0.5)	ND (0.5)	12/13/2001
NH-VPB-05	6/8/2005	55	50	4.6	**5.8**	-1	3/15/2005	0.2 J	**58**	5/13/1994
NH-VPB-06	NS	23	17	NS	4		6/15/1998	1	**66**	12/18/1996
NH-VPB-07	NS	43	28	NS	ND (1) J		12/1/1999	0.7 J	**38 J**	9/11/1990
NH-VPB-08	6/8/2005	55	53	5	**5.4**	-1	3/15/2005	3	**19**	3/10/2000
NH-VPB-09	NS	33	15	NS	0.9		3/6/2001	0.3 J	1	12/7/2000
NH-VPB-10	NS	12	3	NS	ND (0.5)		12/14/2004	0.9 J	1	10/31/1994
NH-VPB-11	NS	11	0	NS	ND (1)		6/22/1998	ND (1)	ND (1)	6/22/1998
NH-VPB-12	NS	15	2	NS	ND (0.5)		12/13/2001	0.3 J	ND (1)	9/18/1990
NH-VPB-13	NS	11	5	NS	0.3 J		12/4/1995	0.3 J	3	11/11/1992
NH-VPB-14	NS	39	35	NS	**99**		3/15/2000	**99**	**1,400**	8/18/1993
PO-C01-195	6/17/2005	31	30	**10**	**7.6**		3/24/2005	0.9 J	**11**	12/20/2004
PO-C01-354	NS	17	1	NS	ND (0.5)		12/6/2004	0.06 J	0.06 J	1/7/2003
PO-C02-053	6/9/2005	50	48	0.8	0.42 J		3/16/2005	0.42 J	**33**	11/11/1993
PO-C02-205	NS	21	16	NS	ND (0.5)		12/6/2004	0.2 J	**32**	4/1/1991
PO-C03-182	6/10/2005	51	51	2.3	3		3/16/2005	2.2	**40**	10/28/1994
PO-C03-235	NS	40	35	NS	1.9		12/8/2004	0.9	**12**	12/15/1997
PO-VPB-01	6/9/2005	55	53	1.5	1.8		3/16/2005	0.8	ND ()	11/9/1989
PO-VPB-02	6/17/2005	59	57	**200**	**210**		3/24/2005	**97**	**900**	11/11/1993
PO-VPB-03	NS	55	53	NS	**8**		3/24/2005	**8**	ND ()	11/14/1989
PO-VPB-04	NS	5	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
PO-VPB-05	NS	49	36	NS	0.27 J		12/7/2004	0.1 J	**10**	11/11/1993
PO-VPB-06	NS	19	13	NS	0.21 J		12/7/2004	0.21 J	3	11/4/1993
PO-VPB-07	6/9/2005	48	46	**93**	**25**	+1	3/16/2005	**11**	**370**	9/18/2001
PO-VPB-08	6/17/2005	56	51	5	2.9		3/23/2005	0.8	**18**	12/15/1997
PO-VPB-09	NS	5	0	NS	ND (1) J		8/19/1993	ND (1) J	ND (1) J	8/19/1993
PO-VPB-10	NS	13	0	NS	ND (0.5) J		9/20/2001	ND (0.5) J	ND (0.5) J	9/20/2001
PO-VPB-11	NS	4	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
VD-VPB-01	NS	34	5	NS	ND (0.5)		12/8/2000	0.1 J	ND (1)	6/19/1998
VD-VPB-02	6/10/2005	60	1	ND (0.5)	ND (0.5)		3/17/2005	ND (0.5)	ND (0.5)	3/17/2005

TABLE 3-2

Maximum and Minimum Detected TCE Values - Second Quarter 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
VD-VPB-03	6/10/2005	60	0	ND (0.5)	ND (0.5)		3/17/2005	ND (0.5)	ND (0.5)	3/17/2005
VD-VPB-04	NS	46	2	NS	ND (0.5)		9/11/2003	0.6	ND (1) J	2/27/1991
VD-VPB-05	NS	41	18	NS	0.1 J		9/9/2002	0.1 J	3	11/5/1993
VD-VPB-06	6/10/2005	62	2	ND (0.5)	ND (0.5)		3/17/2005	0.05 J	0.4 J	12/8/2000
VD-VPB-07	6/10/2005	54	1	ND (0.5)	ND (0.5)		3/17/2005	2 J	2 J	8/3/1995

Notes:

NS = Not sampled
ND (250) = Not detected (reporting limit)
µg/L = Micrograms per liter
J = Approximate concentration
Results greater than the MCL 5 µg/L are bolded
+1 = Value moved 1 concentration zone up from previous sample date.
-1 = Value moved 1 concentration zone down from previous sample date.

TABLE 3-3
Maximum and Minimum Detected TCE Values - Third Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
CS-C01-105	NS	50	49	NS	**110**		12/12/2003	**28**	**400 J**	10/26/1994
CS-C01-285	9/16/2005	58	58	**170**	**250**		6/14/2005	**26**	**530**	12/21/2001
CS-C01-558	NS	13	2	NS	ND (0.5)		12/2/2004	0.08 J	0.5 J	12/14/1995
CS-C02-062	9/16/2005	54	54	**27**	**29**		6/15/2005	**29**	**200**	11/8/1993
CS-C02-180	9/16/2005	55	54	**14**	**15**		6/15/2005	**11**	**280**	11/8/1993
CS-C02-250	9/16/2005	55	55	**110 J**	**130**		6/15/2005	**100**	**320**	11/8/1993
CS-C02-335	9/16/2005	55	53	**200**	**320**		6/15/2005	**51**	**420**	3/15/2004
CS-C03-100	9/19/2005	64	64	**950**	**710**		6/15/2005	**30**	**5,400**	5/9/1995
CS-C03-325	NS	19	12	NS	1.4		12/2/2004	0.9	4.3	5/18/1990
CS-C03-465	9/19/2005	50	48	**9.8**	**8.4**		6/15/2005	0.27 J	**11**	6/7/2004
CS-C03-550	NS	15	2	NS	ND (0.5)		12/2/2004	0.1 J	0.1 J	12/17/2001
CS-C04-290	9/19/2005	55	54	**16**	**14**		6/16/2005	3.8	**50**	3/26/1991
CS-C04-382	9/19/2005	64	63	**20**	**22**		6/16/2005	**7**	**32**	11/10/1993
CS-C04-520	NS	13	0	NS	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C05-160	9/21/2005	55	54	**130**	**220**		6/16/2005	**12**	**220**	6/16/2005
CS-C05-290	9/21/2005	54	52	**12**	**12**		6/16/2005	4	**66**	11/10/1993
CS-C06-185	9/19/2005	43	42	**5.8**	**6.4**		6/17/2005	3.5	**130**	9/12/1997
CS-C06-278	NS	12	2	NS	ND (0.5)		12/6/2004	0.3 J	**10**	12/12/2000
CS-VPB-01	9/16/2005	39	38	**160**	**110**		6/15/2005	**80**	**220**	6/5/2003
CS-VPB-02	NS	52	50	NS	2.8		12/15/2004	0.6 J	**110**	2/11/1993
CS-VPB-03	9/21/2005	32	30	**11**	**19**		6/14/2005	0.5 J	**19**	6/14/2005
CS-VPB-04	9/19/2005	62	61	**1,900**	**3,600**		6/16/2005	**180**	**7,200**	9/24/2004
CS-VPB-05	9/21/2005	67	66	**1,500**	**2,100**		6/16/2005	**7**	**2,100**	6/16/2005
CS-VPB-06	9/19/2005	60	59	**331**	**370**		6/17/2005	**20**	**540**	9/19/2001
CS-VPB-07	9/21/2005	66	65	**1,600**	**3,300**		6/15/2005	**650 J**	**5,000**	2/21/1994
CS-VPB-08	9/19/2005	45	43	**81**	**82**		6/14/2005	**8**	**180**	2/12/1993
CS-VPB-09	9/21/2005	36	4	ND (0.5)	ND (0.5)		6/9/2005	0.1 J	ND (1)	9/27/1990
CS-VPB-10	9/19/2005	65	50	**12**	**9.3**		6/16/2005	0.4 J	**13**	9/27/2004
CS-VPB-11	NS	42	33	NS	0.9		1/6/2003	0.6	**8**	9/15/1989
NH-C01-325	NS	52	36	NS	1.1		3/15/2005	0.2 J	**9**	6/5/1997
NH-C01-450	NS	15	3	NS	1		12/10/2001	0.4 J	1	12/10/2001
NH-C01-660	NS	16	0	NS	ND (0.5)		11/30/2004	ND (0.5)	ND (0.5)	11/30/2004
NH-C01-780	NS	15	0	NS	ND (0.5)		11/30/2004	ND (0.5)	ND (0.5)	11/30/2004
NH-C02-220	NS	35	32	NS	**25**		6/13/2001	1 J	**30**	11/15/1993
NH-C02-325	9/15/2005	50	49	**9.9**	**9.8**		6/13/2005	**6**	**39**	3/16/2004
NH-C02-520	9/15/2005	47	44	**56**	**71**		6/13/2005	1.5	**260**	9/20/2001
NH-C02-681	NS	15	0	NS	ND (0.5)		12/1/2004	ND (0.5)	ND (0.5)	12/1/2004
NH-C03-380	9/15/2005	47	43	2.1	**5.4**	-1	6/13/2005	0.75	**21**	5/1/1992
NH-C03-580	9/15/2005	56	52	**8.1**	**22**		6/13/2005	1	**49**	10/6/1998
NH-C03-680	9/12/2005	22	12	0.48 J	0.36 J		6/8/2005	0.36 J	**7**	12/12/2001
NH-C03-800	NS	15	3	NS	ND (0.5)		12/3/2004	0.2 J	2	1/11/2000

TABLE 3-3
Maximum and Minimum Detected TCE Values - Third Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
NH-C04-240	NS	46	37	NS	0.26 J		12/3/2004	0.26 J	**9**	9/14/2000
NH-C04-375	NS	16	0	NS	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C04-560	NS	16	0	NS	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C05-320	NS	6	1	NS	ND (0.5)		12/4/2000	1	1	6/22/1998
NH-C05-460	9/15/2005	20	13	**84**	**110**	-1	6/13/2005	**10**	**110**	6/13/2005
NH-C06-160	9/15/2005	50	48	0.43 J	0.71		6/8/2005	0.71	**240**	1/25/1995
NH-C06-285	9/15/2005	19	15	**52**	**57**		6/14/2005	2	**75**	8/31/2004
NH-C06-425	NS	13	1	NS	ND (0.5)		12/1/2004	4	4	12/12/2002
NH-VPB-01	9/16/2005	61	59	**27**	**33**		6/14/2005	**22**	**510**	11/9/1993
NH-VPB-02	NS	20	9	NS	2.6		9/10/2003	0.2 J	3 J	12/10/2002
NH-VPB-03	NS	14	0	NS	ND (0.5)		6/3/2003	ND (0.5)	ND (0.5)	6/3/2003
NH-VPB-04	NS	12	0	NS	ND (0.5)		12/13/2001	ND (0.5)	ND (0.5)	12/13/2001
NH-VPB-05	9/16/2005	55	50	4.2	4.6		6/8/2005	0.2 J	**58**	5/13/1994
NH-VPB-06	NS	23	17	NS	4		6/15/1998	1	**66**	12/18/1996
NH-VPB-07	NS	43	28	NS	ND (1) J		12/1/1999	0.7 J	**38 J**	9/11/1990
NH-VPB-08	9/12/2005	55	53	3.7	5		6/8/2005	3	**19**	3/10/2000
NH-VPB-09	NS	33	15	NS	0.9		3/6/2001	0.3 J	1	12/7/2000
NH-VPB-10	NS	12	3	NS	ND (0.5)		12/14/2004	0.9 J	1	10/31/1994
NH-VPB-11	NS	11	0	NS	ND (1)		6/22/1998	ND (1)	ND (1)	6/22/1998
NH-VPB-12	NS	15	2	NS	ND (0.5)		12/13/2001	0.3 J	ND (1)	9/18/1990
NH-VPB-13	NS	11	5	NS	0.3 J		12/4/1995	0.3 J	3	11/11/1992
NH-VPB-14	NS	39	35	NS	**99**		3/15/2000	**99**	**1,400**	8/18/1993
PO-C01-195	9/22/2005	31	30	**13**	**10**		6/17/2005	0.9 J	**11**	12/20/2004
PO-C01-354	NS	17	1	NS	ND (0.5)		12/6/2004	0.06 J	0.06 J	1/7/2003
PO-C02-053	9/13/2005	50	48	1.3	0.8		6/9/2005	0.42 J	**33**	11/11/1993
PO-C02-205	NS	21	16	NS	ND (0.5)		12/6/2004	0.2 J	**32**	4/1/1991
PO-C03-182	9/13/2005	51	51	2.9	2.3		6/10/2005	2.2	**40**	10/28/1994
PO-C03-235	NS	40	35	NS	1.9		12/8/2004	0.9	**12**	12/15/1997
PO-VPB-01	9/13/2005	55	53	2.1	1.5		6/9/2005	0.8	ND ()	11/9/1989
PO-VPB-02	9/22/2005	59	57	**170**	**200**		6/17/2005	**97**	**900**	11/11/1993
PO-VPB-03	NS	55	53	NS	**8**		3/24/2005	**8**	ND ()	11/14/1989
PO-VPB-04	NS	5	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
PO-VPB-05	NS	49	36	NS	0.27 J		12/7/2004	0.1 J	**10**	11/11/1993
PO-VPB-06	NS	19	13	NS	0.21 J		12/7/2004	0.21 J	3	11/4/1993
PO-VPB-07	9/22/2005	48	46	**29**	**93**	-1	6/9/2005	**11**	**370**	9/18/2001
PO-VPB-08	9/22/2005	56	51	**6.9**	5	+1	6/17/2005	0.8	**18**	12/15/1997
PO-VPB-09	NS	5	0	NS	ND (1) J		8/19/1993	ND (1) J	ND (1) J	8/19/1993
PO-VPB-10	NS	13	0	NS	ND (0.5) J		9/20/2001	ND (0.5) J	ND (0.5) J	9/20/2001
PO-VPB-11	NS	4	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
VD-VPB-01	9/14/2005	34	5	0.18 J	ND (0.5)	+1	12/8/2000	0.1 J	ND (1)	6/19/1998
VD-VPB-02	9/14/2005	60	1	ND (0.5)	ND (0.5)		6/10/2005	ND (0.5)	ND (0.5)	6/10/2005

TABLE 3-3

Maximum and Minimum Detected TCE Values - Third Quarter 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
VD-VPB-03	9/14/2005	60	0	ND (0.5)	ND (0.5)		6/10/2005	ND (0.5)	ND (0.5)	6/10/2005
VD-VPB-04	NS	46	2	NS	ND (0.5)		9/11/2003	0.6	ND (1) J	2/27/1991
VD-VPB-05	NS	41	18	NS	0.1 J		9/9/2002	0.1 J	3	11/5/1993
VD-VPB-06	9/14/2005	62	2	ND (0.5)	ND (0.5)		6/10/2005	0.05 J	0.4 J	12/8/2000
VD-VPB-07	9/14/2005	54	1	ND (0.5)	ND (0.5)		6/10/2005	2 J	2 J	8/3/1995

Notes:

NS = Not sampled
ND (250) = Not detected (reporting limit)
µg/L = Micrograms per liter
J = Approximate concentration
Results greater than the MCL 5 µg/L are bolded
+1 = Value moved 1 concentration zone up from previous sample date.
-1 = Value moved 1 concentration zone down from previous sample date.

TABLE 3-4
Maximum and Minimum Detected TCE Values - Fourth Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
CS-C01-105	12/22/2005	50	49	**6.1**	**110**	-2	12/12/2003	**28**	**400 J**	10/26/1994
CS-C01-285	12/22/2005	58	58	**190**	**170**		9/16/2005	**26**	**530**	12/21/2001
CS-C01-558	12/15/2005	13	2	ND (0.5)	ND (0.5)		12/2/2004	0.08 J	0.5 J	12/14/1995
CS-C02-062	12/27/2005	54	54	**28**	**27**		9/16/2005	**27**	**200**	11/8/1993
CS-C02-180	12/27/2005	55	54	**18**	**14**		9/16/2005	**11**	**280**	11/8/1993
CS-C02-250	12/27/2005	55	55	**110**	**110 J**		9/16/2005	**100**	**320**	11/8/1993
CS-C02-335	12/27/2005	55	53	**260**	**200**		9/16/2005	**51**	**420**	3/15/2004
CS-C03-100	1/3/2006	64	64	**470**	**950**	-1	9/19/2005	**30**	**5,400**	5/9/1995
CS-C03-325	12/16/2005	19	12	ND (0.5)	1.4	-1	12/2/2004	0.9	4.3	5/18/1990
CS-C03-465	1/3/2006	50	48	**11**	**9.8**		9/19/2005	0.27 J	**11**	6/7/2004
CS-C03-550	12/16/2005	15	2	1.5	ND (0.5)	+1	12/2/2004	0.1 J	0.1 J	12/17/2001
CS-C04-290	12/29/2005	55	54	**19**	**16**		9/19/2005	3.8	**50**	3/26/1991
CS-C04-382	12/29/2005	64	63	**26**	**20**		9/19/2005	**7**	**32**	11/10/1993
CS-C04-520	12/16/2005	13	0	ND (0.5)	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C05-160	12/28/2005	55	54	**210**	**130**		9/21/2005	**12**	**220**	6/16/2005
CS-C05-290	12/28/2005	54	52	**15**	**12**		9/21/2005	4	**66**	11/10/1993
CS-C06-185	12/29/2005	43	42	**6.9**	**5.8**		9/19/2005	3.5	**130**	9/12/1997
CS-C06-278	12/16/2005	12	2	ND (0.5)	ND (0.5)		12/6/2004	0.3 J	**10**	12/12/2000
CS-VPB-01	12/28/2005	39	38	**89**	**160**	-1	9/16/2005	**80**	**220**	6/5/2003
CS-VPB-02	12/16/2005	52	50	4.2	2.8		12/15/2004	0.6 J	**110**	2/11/1993
CS-VPB-03	12/28/2005	32	30	**9.1**	**11**		9/21/2005	0.5 J	**19**	6/14/2005
CS-VPB-04	12/29/2005	62	61	**1,700**	**1,900**		9/19/2005	**180**	**7,200**	9/24/2004
CS-VPB-05	12/28/2005	67	66	**840**	**1,500**	-1	9/21/2005	**7**	**2,100**	6/16/2005
CS-VPB-06	12/29/2005	60	59	**240**	**331**		9/19/2005	**20**	**540**	9/19/2001
CS-VPB-07	12/28/2005	66	65	**2,200**	**1,600**		9/21/2005	**650 J**	**5,000**	2/21/1994
CS-VPB-08	12/29/2005	45	43	**80**	**81**		9/19/2005	**8**	**180**	2/12/1993
CS-VPB-09	12/16/2005	36	4	ND (0.5)	ND (0.5)		9/21/2005	0.1 J	ND (1)	9/27/1990
CS-VPB-10	12/29/2005	65	50	**11**	**12**		9/19/2005	0.4 J	**13**	9/27/2004
CS-VPB-11	NS	42	33	NS	0.9		1/6/2003	0.6	**8**	9/15/1989
NH-C01-325	NS	52	36	NS	1.1		3/15/2005	0.2 J	**9**	6/5/1997
NH-C01-450	NS	15	3	NS	1		12/10/2001	0.4 J	1	12/10/2001
NH-C01-660	12/13/2005	16	0	ND (0.5)	ND (0.5)		11/30/2004	ND (0.5)	ND (0.5)	11/30/2004
NH-C01-780	12/13/2005	15	0	ND (0.5)	ND (0.5)		11/30/2004	ND (0.5)	ND (0.5)	11/30/2004
NH-C02-220	NS	35	32	NS	**25**		6/13/2001	1 J	**30**	11/15/1993
NH-C02-325	12/22/2005	50	49	**10**	**9.9**		9/15/2005	**6**	**39**	3/16/2004
NH-C02-520	12/22/2005	47	44	**43**	**56**	-1	9/15/2005	1.5	**260**	9/20/2001
NH-C02-681	12/14/2005	15	0	ND (0.5)	ND (0.5)		12/1/2004	ND (0.5)	ND (0.5)	12/1/2004
NH-C03-380	12/14/2005	47	43	1.3	2.1		9/15/2005	0.75	**21**	5/1/1992
NH-C03-580	12/21/2005	56	52	**6.9**	**8.1**		9/15/2005	1	**49**	10/6/1998
NH-C03-680	12/14/2005	22	12	0.88	0.48 J		9/12/2005	0.36 J	**7**	12/12/2001
NH-C03-800	12/13/2005	15	3	ND (0.5)	ND (0.5)		12/3/2004	0.2 J	2	1/11/2000

TABLE 3-4
Maximum and Minimum Detected TCE Values - Fourth Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
NH-C04-240	12/15/2005	46	37	0.37 J	0.26 J		12/3/2004	0.26 J	**9**	9/14/2000
NH-C04-375	12/15/2005	16	0	ND (0.5)	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C04-560	12/15/2005	16	0	ND (0.5)	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C05-320	NS	6	1	NS	ND (0.5)		12/4/2000	1	1	6/22/1998
NH-C05-460	12/21/2005	20	13	**100**	**84**		9/15/2005	**10**	**110**	6/13/2005
NH-C06-160	12/15/2005	50	48	0.56	0.43 J		9/15/2005	0.43 J	**240**	1/25/1995
NH-C06-285	12/21/2005	19	15	**58**	**52**		9/15/2005	2	**75**	8/31/2004
NH-C06-425	12/15/2005	13	1	ND (0.5)	ND (0.5)		12/1/2004	4	4	12/12/2002
NH-VPB-01	12/27/2005	61	59	**32**	**27**		9/16/2005	**22**	**510**	11/9/1993
NH-VPB-02	NS	20	9	NS	2.6		9/10/2003	0.2 J	3 J	12/10/2002
NH-VPB-03	NS	14	0	NS	ND (0.5)		6/3/2003	ND (0.5)	ND (0.5)	6/3/2003
NH-VPB-04	NS	12	0	NS	ND (0.5)		12/13/2001	ND (0.5)	ND (0.5)	12/13/2001
NH-VPB-05	12/14/2005	55	50	**7.9**	4.2	+1	9/16/2005	0.2 J	**58**	5/13/1994
NH-VPB-06	NS	23	17	NS	4		6/15/1998	1	**66**	12/18/1996
NH-VPB-07	NS	43	28	NS	ND (1) J		12/1/1999	0.7 J	**38 J**	9/11/1990
NH-VPB-08	12/14/2005	55	53	**9.1**	3.7	+1	9/12/2005	3	**19**	3/10/2000
NH-VPB-09	NS	33	15	NS	0.9		3/6/2001	0.3 J	1	12/7/2000
NH-VPB-10	12/22/2005	12	3	1.3	ND (0.5)	+1	12/14/2004	0.9 J	1	10/31/1994
NH-VPB-11	NS	11	0	NS	ND (1)		6/22/1998	ND (1)	ND (1)	6/22/1998
NH-VPB-12	NS	15	2	NS	ND (0.5)		12/13/2001	0.3 J	ND (1)	9/18/1990
NH-VPB-13	NS	11	5	NS	0.3 J		12/4/1995	0.3 J	3	11/11/1992
NH-VPB-14	NS	39	35	NS	**99**		3/15/2000	**99**	**1,400**	8/18/1993
PO-C01-195	1/3/2006	31	30	**15**	**13**		9/22/2005	0.9 J	**13**	9/22/2005
PO-C01-354	12/20/2005	17	1	ND (0.5)	ND (0.5)		12/6/2004	0.06 J	0.06 J	1/7/2003
PO-C02-053	12/19/2005	50	48	1.5	1.3		9/13/2005	0.42 J	**33**	11/11/1993
PO-C02-205	12/19/2005	21	16	0.25 J	ND (0.5)	+1	12/6/2004	0.2 J	**32**	4/1/1991
PO-C03-182	12/19/2005	51	51	2.7	2.9		9/13/2005	2.2	**40**	10/28/1994
PO-C03-235	12/19/2005	40	35	2.4	1.9		12/8/2004	0.9	**12**	12/15/1997
PO-VPB-01	12/19/2005	55	53	1.8	2.1		9/13/2005	0.8	ND ()	11/9/1989
PO-VPB-02	1/3/2006	59	57	**120**	**170**		9/22/2005	**97**	**900**	11/11/1993
PO-VPB-03	NS	55	53	NS	**8**		3/24/2005	**8**	ND ()	11/14/1989
PO-VPB-04	NS	5	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
PO-VPB-05	12/20/2005	49	36	0.29 J	0.27 J		12/7/2004	0.1 J	**10**	11/11/1993
PO-VPB-06	12/19/2005	19	13	0.14 J	0.21 J		12/7/2004	0.21 J	3	11/4/1993
PO-VPB-07	1/3/2006	48	46	**21**	**29**		9/22/2005	**11**	**370**	9/18/2001
PO-VPB-08	1/3/2006	56	51	**6.9**	**6.9**		9/22/2005	0.8	**18**	12/15/1997
PO-VPB-09	NS	5	0	NS	ND (1) J		8/19/1993	ND (1) J	ND (1) J	8/19/1993
PO-VPB-10	NS	13	0	NS	ND (0.5) J		9/20/2001	ND (0.5) J	ND (0.5) J	9/20/2001
PO-VPB-11	NS	4	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
VD-VPB-01	12/2/2005	34	5	0.14 J	0.18 J		9/14/2005	0.1 J	ND (1)	6/19/1998
VD-VPB-02	12/20/2005	60	1	0.077 J	ND (0.5)	+1	9/14/2005	ND (0.5)	ND (0.5)	9/14/2005

TABLE 3-4

Maximum and Minimum Detected TCE Values - Fourth Quarter 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
VD-VPB-03	12/20/2005	60	0	ND (0.5)	ND (0.5)		9/14/2005	ND (0.5)	ND (0.5)	9/14/2005
VD-VPB-04	NS	46	2	NS	ND (0.5)		9/11/2003	0.6	ND (1) J	2/27/1991
VD-VPB-05	NS	41	18	NS	0.1 J		9/9/2002	0.1 J	3	11/5/1993
VD-VPB-06	12/20/2005	62	2	ND (0.5)	ND (0.5)		9/14/2005	0.05 J	0.4 J	12/8/2000
VD-VPB-07	12/20/2005	54	1	ND (0.5)	ND (0.5)		9/14/2005	2 J	2 J	8/3/1995

Notes:

NS = Not sampled
ND (250) = Not detected (reporting limit)
µg/L = Micrograms per liter
J = Approximate concentration
Results greater than the MCL 5 µg/L are bolded
+1 = Value moved 1 concentration zone up from previous sample date.
-1 = Value moved 1 concentration zone down from previous sample date.

TABLE 3-5
Summary of TCE Values - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	1st Qtr.			2nd Qtr.			3rd Qtr.			4th Qtr.		
	Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)	
CS-C01-105	NS			NS			NS			12/22/2005	**6.1**	-2
CS-C01-285	03/21/2005	**370**		06/14/2005	**250**		09/16/2005	**170**		12/22/2005	**190**	
CS-C01-558	NS			NS			NS			12/15/2005	ND (0.5)	
CS-C02-062	03/22/2005	**36**	-1	06/15/2005	**29**		09/16/2005	**27**		12/27/2005	**28**	
CS-C02-180	03/22/2005	**11**		06/15/2005	**15**		09/16/2005	**14**		12/27/2005	**18**	
CS-C02-250	03/22/2005	**180**		06/15/2005	**130**		09/16/2005	**110 J**		12/27/2005	**110**	
CS-C02-335	03/22/2005	**370**		06/15/2005	**320**		09/16/2005	**200**		12/27/2005	**260**	
CS-C03-100	03/23/2005	**290**	-1	06/15/2005	**710**	+1	09/19/2005	**950**		01/03/2006	**470**	-1
CS-C03-325	NS			NS			NS			12/16/2005	ND (0.5)	-1
CS-C03-465	03/23/2005	**8.2**		06/15/2005	**8.4**		09/19/2005	**9.8**		01/03/2006	**11**	
CS-C03-550	NS			NS			NS			12/16/2005	1.5	+1
CS-C04-290	03/23/2005	**15**		06/16/2005	**14**		09/19/2005	**16**		12/29/2005	**19**	
CS-C04-382	03/23/2005	**26**		06/16/2005	**22**		09/19/2005	**20**		12/29/2005	**26**	
CS-C04-520	NS			NS			NS			12/16/2005	ND (0.5)	
CS-C05-160	03/24/2005	**150**	+2	06/16/2005	**220**		09/21/2005	**130**		12/28/2005	**210**	
CS-C05-290	03/24/2005	**8.6**		06/16/2005	**12**		09/21/2005	**12**		12/28/2005	**15**	
CS-C06-185	03/16/2005	**8.8**	+1	06/17/2005	**6.4**		09/19/2005	**5.8**		12/29/2005	**6.9**	
CS-C06-278	NS			NS			NS			12/16/2005	ND (0.5)	
CS-VPB-01	03/22/2005	**150**		06/15/2005	**110**		09/16/2005	**160**		12/28/2005	**89**	-1
CS-VPB-02	NS			NS			NS			12/16/2005	4.2	
CS-VPB-03	03/22/2005	**19**		06/14/2005	**19**		09/21/2005	**11**		12/28/2005	**9.1**	
CS-VPB-04	03/23/2005	**4,800**		06/16/2005	**3,600**		09/19/2005	**1,900**		12/29/2005	**1,700**	
CS-VPB-05	03/24/2005	**2,100**	+1	06/16/2005	**2,100**		09/21/2005	**1,500**		12/28/2005	**840**	-1
CS-VPB-06	03/24/2005	**450**		06/17/2005	**370**		09/19/2005	**331**		12/29/2005	**240**	
CS-VPB-07	03/22/2005	**3,400**		06/15/2005	**3,300**		09/21/2005	**1,600**		12/28/2005	**2,200**	
CS-VPB-08	03/22/2005	**100**		06/14/2005	**82**		09/19/2005	**81**		12/29/2005	**80**	
CS-VPB-09	03/16/2005	ND (0.5)		06/09/2005	ND (0.5)		09/21/2005	ND (0.5)		12/16/2005	ND (0.5)	
CS-VPB-10	03/24/2005	**5.4 J**		06/16/2005	**9.3**		09/19/2005	**12**		12/29/2005	**11**	
CS-VPB-11	NS			NS			NS			NS		
NH-C01-325	03/15/2005	1.1		NS			NS			NS		
NH-C01-450	NS			NS			NS			NS		
NH-C01-660	NS			NS			NS			12/13/2005	ND (0.5)	
NH-C01-780	NS			NS			NS			12/13/2005	ND (0.5)	
NH-C02-220	NS			NS			NS			NS		
NH-C02-325	03/21/2005	**15**		06/13/2005	**9.8**		09/15/2005	**9.9**		12/22/2005	**10**	
NH-C02-520	03/21/2005	**90**		06/13/2005	**71**		09/15/2005	**56**		12/22/2005	**43**	-1
NH-C02-681	NS			NS			NS			12/14/2005	ND (0.5)	
NH-C03-380	03/18/2005	**11**		06/13/2005	**5.4**		09/15/2005	2.1	-1	12/14/2005	1.3	
NH-C03-580	03/18/2005	**18**		06/13/2005	**22**		09/15/2005	**8.1**		12/21/2005	**6.9**	
NH-C03-680	03/15/2005	0.5		06/08/2005	0.4 J		09/12/2005	0.5 J		12/14/2005	0.9	

TABLE 3-5
Summary of TCE Values - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	1st Qtr.			2nd Qtr.			3rd Qtr.			4th Qtr.		
	Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)	
NH-C03-800	NS			NS			NS			12/13/2005	ND (0.5)	
NH-C04-240	NS			NS			NS			12/15/2005	0.4 J	
NH-C04-375	NS			NS			NS			12/15/2005	ND (0.5)	
NH-C04-560	NS			NS			NS			12/15/2005	ND (0.5)	
NH-C05-320	NS			NS			NS			NS		
NH-C05-460	03/18/2005	ND (0.5)	-4	06/13/2005	**110**	+4	09/15/2005	**84**	-1	12/21/2005	**100**	
NH-C06-160	03/21/2005	1		06/08/2005	0.7		09/15/2005	0.4 J		12/15/2005	0.6	
NH-C06-285	03/21/2005	**70**		06/14/2005	**57**		09/15/2005	**52**		12/21/2005	**58**	
NH-C06-425	NS			NS			NS			12/15/2005	ND (0.5)	
NH-VPB-01	03/21/2005	**41**		06/14/2005	**33**		09/16/2005	**27**		12/27/2005	**32**	
NH-VPB-02	NS			NS			NS			NS		
NH-VPB-03	NS			NS			NS			NS		
NH-VPB-04	NS			NS			NS			NS		
NH-VPB-05	03/15/2005	**5.8**	+1	06/08/2005	4.6	-1	09/16/2005	4.2		12/14/2005	**7.9**	+1
NH-VPB-06	NS			NS			NS			NS		
NH-VPB-07	NS			NS			NS			NS		
NH-VPB-08	03/15/2005	**5.4**	+1	06/08/2005	5	-1	09/12/2005	3.7		12/14/2005	**9.1**	+1
NH-VPB-09	NS			NS			NS			NS		
NH-VPB-10	NS			NS			NS			12/22/2005	1.3	+1
NH-VPB-11	NS			NS			NS			NS		
NH-VPB-12	NS			NS			NS			NS		
NH-VPB-13	NS			NS			NS			NS		
NH-VPB-14	NS			NS			NS			NS		
PO-C01-195	03/24/2005	**7.6**		06/17/2005	**10**		09/22/2005	**13**		01/03/2006	**15**	
PO-C01-354	NS			NS			NS			12/20/2005	ND (0.5)	
PO-C02-053	03/16/2005	0.4 J		06/09/2005	0.8		09/13/2005	1.3		12/19/2005	1.5	
PO-C02-205	NS			NS			NS			12/19/2005	0.2 J	+1
PO-C03-182	03/16/2005	3		06/10/2005	2.3		09/13/2005	2.9		12/19/2005	2.7	
PO-C03-235	NS			NS			NS			12/19/2005	2.4	
PO-VPB-01	03/16/2005	1.8		06/09/2005	1.5		09/13/2005	2.1		12/19/2005	1.8	
PO-VPB-02	03/24/2005	**210**		06/17/2005	**200**		09/22/2005	**170**		01/03/2006	**120**	
PO-VPB-03	03/24/2005	**8**		NS			NS			NS		
PO-VPB-04	NS			NS			NS			NS		
PO-VPB-05	NS			NS			NS			12/20/2005	0.3 J	
PO-VPB-06	NS			NS			NS			12/19/2005	0.1 J	
PO-VPB-07	03/16/2005	**25**	+2	06/09/2005	**93**	+1	09/22/2005	**29**	-1	01/03/2006	**21**	
PO-VPB-08	03/23/2005	2.9	-1	06/17/2005	5		09/22/2005	**6.9**	+1	01/03/2006	**6.9**	
PO-VPB-09	NS			NS			NS			NS		
PO-VPB-10	NS			NS			NS			NS		
PO-VPB-11	NS			NS			NS			NS		

TABLE 3-5

Summary of TCE Values - First, Second, Third and Fourth Quarters 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	1st Qtr.		2nd Qtr.		3rd Qtr.		4th Qtr.	
	Sample Date	Value (µg/L)	Sample Date	Value (µg/L)	Sample Date	Value (µg/L)	Sample Date	Value (µg/L)
VD-VPB-01	NS		NS		09/14/2005	0.2 J +1	12/02/2005	0.1 J
VD-VPB-02	03/17/2005	ND (0.5)	06/10/2005	ND (0.5)	09/14/2005	ND (0.5)	12/20/2005	0.1 J +1
VD-VPB-03	03/17/2005	ND (0.5)	06/10/2005	ND (0.5)	09/14/2005	ND (0.5)	12/20/2005	ND (0.5)
VD-VPB-04	NS		NS		NS		NS	
VD-VPB-05	NS		NS		NS		NS	
VD-VPB-06	03/17/2005	ND (0.5)	06/10/2005	ND (0.5)	09/14/2005	ND (0.5)	12/20/2005	ND (0.5)
VD-VPB-07	03/17/2005	ND (0.5)	06/10/2005	ND (0.5)	09/14/2005	ND (0.5)	12/20/2005	ND (0.5)

Notes:

ND (250): Not detected (reporting limit)
NS = Not sampled
J = Approximate concentration
+1 = value moved 1 concentration zone up from previous sampling
-1 = value moved 1 concentration zone down from previous sampling
Results greather than the MCL 5 µg/L are bolded

TABLE 3-6
Maximum and Minimum Detected PCE Values - First Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
CS-C01-105	NS	50	49	NS	**75**		12/12/2003	**20**	**300**	10/26/1994
CS-C01-285	3/21/2005	59	59	**240**	**250**		12/14/2004	**42**	**340**	12/21/2001
CS-C01-558	NS	13	0	NS	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C02-062	3/22/2005	53	53	**20**	**47**		12/15/2004	**18**	**180**	11/8/1993
CS-C02-180	3/22/2005	55	54	4.7	**7.4**	-1	12/15/2004	1.9	**65**	11/8/1993
CS-C02-250	3/22/2005	55	55	**86**	**88**		12/15/2004	**29**	**250**	2/22/1994
CS-C02-335	3/22/2005	55	54	**370**	**350**		12/15/2004	**14**	**480**	3/15/2004
CS-C03-100	3/23/2005	65	61	**280**	**66**	+1	12/17/2004	**7**	**120**	3/15/2004
CS-C03-325	NS	19	9	NS	0.64		12/2/2004	0.3 J	1	12/6/1999
CS-C03-465	3/23/2005	50	43	1.8	1.4		12/17/2004	0.7 J	2.5	4/3/1991
CS-C03-550	NS	15	1	NS	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C04-290	3/23/2005	55	55	**7.9**	**9.9**		12/16/2004	1.8	**15**	6/11/2003
CS-C04-382	3/23/2005	64	64	**19**	**19**		12/16/2004	4	**20**	6/10/2004
CS-C04-520	NS	13	0	NS	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C05-160	3/24/2005	55	48	**6.7**	0.57	+1	12/17/2004	0.57	**7.8**	9/23/2004
CS-C05-290	3/24/2005	54	52	**8.6**	**11**		12/17/2004	2	**19**	6/10/2004
CS-C06-185	3/16/2005	43	36	3.2	1.5		12/17/2004	0.5 J	3.5	6/11/2003
CS-C06-278	NS	12	1	NS	ND (0.5)		12/6/2004	1	1	12/12/2000
CS-VPB-01	3/22/2005	39	38	**220**	**210**		12/15/2004	**40**	**400**	3/12/2004
CS-VPB-02	NS	52	50	NS	1.9		12/15/2004	0.93 J	**36**	11/8/1993
CS-VPB-03	3/22/2005	32	6	0.17 J	ND (0.5)	+1	12/16/2004	0.1 J	0.27 J	9/23/2004
CS-VPB-04	3/23/2005	64	63	**200**	**120**		12/16/2004	**14.1**	**300**	3/18/2004
CS-VPB-05	3/24/2005	67	66	**59**	**35**	+1	12/17/2004	2	**74**	9/23/2004
CS-VPB-06	3/24/2005	60	55	**8 J**	**5.6**		12/17/2004	0.9 J	**14**	10/27/1994
CS-VPB-07	3/22/2005	66	57	**27**	**39**		12/17/2004	**16**	**79 J**	3/12/1998
CS-VPB-08	3/22/2005	46	44	**180**	**59**	+1	12/16/2004	4.5	**96**	12/15/2003
CS-VPB-09	3/16/2005	36	30	**19**	3.6	+1	12/16/2004	0.7	**14**	6/5/2003
CS-VPB-10	3/24/2005	65	57	**15**	**18**		12/17/2004	0.8	**54**	9/19/2001
CS-VPB-11	NS	42	42	NS	**11**		1/6/2003	**8**	**59**	9/15/1989
NH-C01-325	3/15/2005	52	49	3.2	**6**	-1	3/19/2003	1	**71**	7/24/1996
NH-C01-450	NS	15	12	NS	**9**		12/10/2001	1	**9**	12/10/2001
NH-C01-660	NS	16	3	NS	ND (0.5)		11/30/2004	0.09 J	0.09 J	12/10/2002
NH-C01-780	NS	15	3	NS	ND (0.5)		11/30/2004	0.1 J	0.1 J	12/10/2002
NH-C02-220	NS	35	14	NS	0.5 J		6/13/2001	0.1 J	1	3/20/1996
NH-C02-325	3/21/2005	50	49	2.9 J	1.6		12/13/2004	1.6	**29**	11/15/1993
NH-C02-520	3/21/2005	47	42	2.3	1.8		12/13/2004	0.94	**8**	11/3/1993
NH-C02-681	NS	15	0	NS	ND (0.5)		12/1/2004	ND (0.5)	ND (0.5)	12/1/2004
NH-C03-380	3/18/2005	47	35	**10**	**10**		12/13/2004	0.3 J	**20**	9/22/2004
NH-C03-580	3/18/2005	56	40	**16**	**15**		12/13/2004	0.2 J	**35**	6/8/2004
NH-C03-680	3/15/2005	22	10	0.18 J	ND (0.5)	+1	12/13/2004	0.18 J	2	12/3/2003
NH-C03-800	NS	15	3	NS	ND (0.5)		12/3/2004	0.1 J	0.6 J	1/11/2000

TABLE 3-6
Maximum and Minimum Detected PCE Values - First Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
NH-C04-240	NS	46	24	NS	ND (0.5)		12/3/2004	0.1 J	3	9/14/2000
NH-C04-375	NS	16	0	NS	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C04-560	NS	16	0	NS	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C05-320	NS	6	0	NS	ND (0.5)		12/4/2000	ND (0.5)	ND (0.5)	12/4/2000
NH-C05-460	3/18/2005	20	11	ND (0.5)	4	-1	12/13/2004	3.6	**15**	12/2/2003
NH-C06-160	3/21/2005	51	34	0.65	0.47 J		12/1/2004	0.2 J	ND (1) J	12/7/1995
NH-C06-285	3/21/2005	19	15	3.8	2.6		12/14/2004	1	4	8/31/2004
NH-C06-425	NS	13	1	NS	ND (0.5)		12/1/2004	0.9	0.9	12/12/2002
NH-VPB-01	3/21/2005	61	59	**20**	**16**		12/14/2004	**16**	**350**	11/9/1993
NH-VPB-02	NS	20	8	NS	1.6		9/10/2003	0.3 J	3 J	12/10/2002
NH-VPB-03	NS	13	3	NS	0.14 J		6/3/2003	0.1 J	0.3 J	3/13/2001
NH-VPB-04	NS	12	0	NS	ND (0.5)		12/13/2001	ND (0.5)	ND (0.5)	12/13/2001
NH-VPB-05	3/15/2005	55	34	0.36 J	0.27 J		12/1/2004	0.19 J	**20**	5/5/1995
NH-VPB-06	NS	23	12	NS	0.8 J		6/15/1998	0.3 J	4	12/18/1996
NH-VPB-07	NS	42	39	NS	**7**		12/1/1999	0.3 J	**75 J**	9/11/1990
NH-VPB-08	3/15/2005	55	43	1.9	1.1		12/13/2004	0.9 J	4	9/17/1997
NH-VPB-09	NS	33	30	NS	4		3/6/2001	2	5	9/14/2000
NH-VPB-10	NS	12	0	NS	ND (0.5)		12/14/2004	ND (0.5)	ND (0.5)	12/14/2004
NH-VPB-11	NS	11	2	NS	ND (1)		6/22/1998	0.2 J	0.3 J	12/4/1995
NH-VPB-12	NS	15	0	NS	ND (0.5)		12/13/2001	ND (0.5)	ND (0.5)	12/13/2001
NH-VPB-13	NS	11	1	NS	ND (1)		12/4/1995	0.2 J	0.2 J	10/19/1994
NH-VPB-14	NS	39	25	NS	**11**		3/15/2000	1.4	**250**	3/11/1998
PO-C01-195	3/24/2005	31	24	0.59	1.2		12/20/2004	0.2 J	1.2	12/20/2004
PO-C01-354	NS	17	1	NS	ND (0.5)		12/6/2004	0.04 J	0.04 J	1/7/2003
PO-C02-053	3/16/2005	50	42	0.57	1.2		12/6/2004	0.72 J	4	11/11/1993
PO-C02-205	NS	19	11	NS	ND (0.5)		12/6/2004	0.2 J	ND (1)	4/1/1991
PO-C03-182	3/16/2005	51	44	1.6	1		12/8/2004	1	**21**	10/28/1994
PO-C03-235	NS	40	33	NS	0.84		12/8/2004	0.84	2	12/15/1997
PO-VPB-01	3/16/2005	55	43	0.83	0.43 J		12/7/2004	0.33 J	ND ()	11/9/1989
PO-VPB-02	3/24/2005	59	59	**98**	**110**	-1	12/20/2004	**22**	**210**	3/17/2004
PO-VPB-03	3/24/2005	55	54	5	**7.6**	-1	12/20/2004	2	ND ()	11/14/1989
PO-VPB-04	NS	5	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
PO-VPB-05	NS	49	25	NS	0.38 J		12/7/2004	0.1 J	0.7 J	12/15/1997
PO-VPB-06	NS	19	7	NS	0.35 J		12/7/2004	0.1 J	0.4 J	12/15/2000
PO-VPB-07	3/16/2005	48	44	2.2	ND (0.5)	+1	12/20/2004	0.66	**23**	12/15/1997
PO-VPB-08	3/23/2005	56	55	2.6	**9.6**	-1	12/20/2004	0.05 J	**11**	9/18/2001
PO-VPB-09	NS	5	0	NS	ND (1)		8/19/1993	ND (1)	ND (1)	8/19/1993
PO-VPB-10	NS	13	0	NS	ND (0.5) J		9/20/2001	ND (0.5) J	ND (0.5) J	9/20/2001
PO-VPB-11	NS	4	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
VD-VPB-01	NS	34	34	NS	3		12/8/2000	1	**10**	11/12/1993
VD-VPB-02	3/17/2005	60	58	**6.4**	3.2	+1	9/2/2004	1	**6**	5/11/1993

TABLE 3-6

Maximum and Minimum Detected PCE Values - First Quarter 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
VD-VPB-03	3/17/2005	60	20	ND (0.5)	ND (0.5)		12/9/2004	0.1 J	ND (1)	2/27/1991
VD-VPB-04	NS	46	26	NS	0.55		9/11/2003	0.2 J	ND (1)	2/27/1991
VD-VPB-05	NS	41	28	NS	0.8		9/9/2002	0.3 J	2	11/5/1993
VD-VPB-06	3/17/2005	62	37	ND (0.5)	0.24 J	-1	12/8/2004	0.16 J	0.7	12/13/2002
VD-VPB-07	3/17/2005	54	8	ND (0.5)	ND (0.5)		12/8/2004	0.07 J	0.2 J	3/13/2002

Notes:

NS = Not sampled
ND (250) = Not detected (reporting limit)
µg/L = Micrograms per liter
J = Approximate concentration
Results greater than the MCL 5 µg/L are bolded
+1 = Value moved 1 concentration zone up from previous sample date.
-1 = Value moved 1 concentration zone down from previous sample date.

TABLE 3-7
Maximum and Minimum Detected PCE Values - Second Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
CS-C01-105	NS	50	49	NS	**75**		12/12/2003	**20**	**300**	10/26/1994
CS-C01-285	6/14/2005	59	59	**180**	**240**		3/21/2005	**42**	**340**	12/21/2001
CS-C01-558	NS	13	0	NS	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C02-062	6/15/2005	53	53	**18**	**20**		3/22/2005	**18**	**180**	11/8/1993
CS-C02-180	6/15/2005	55	54	**6.4**	4.7	+1	3/22/2005	1.9	**65**	11/8/1993
CS-C02-250	6/15/2005	55	55	**69**	**86**		3/22/2005	**29**	**250**	2/22/1994
CS-C02-335	6/15/2005	55	54	**310**	**370**		3/22/2005	**14**	**480**	3/15/2004
CS-C03-100	6/15/2005	65	61	**100**	**280**	-1	3/23/2005	**7**	**280**	3/23/2005
CS-C03-325	NS	19	9	NS	0.64		12/2/2004	0.3 J	1	12/6/1999
CS-C03-465	6/15/2005	50	43	1.8	1.8		3/23/2005	0.7 J	2.5	4/3/1991
CS-C03-550	NS	15	1	NS	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C04-290	6/16/2005	55	55	**8.1**	**7.9**		3/23/2005	1.8	**15**	6/11/2003
CS-C04-382	6/16/2005	64	64	**17**	**19**		3/23/2005	4	**20**	6/10/2004
CS-C04-520	NS	13	0	NS	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C05-160	6/16/2005	55	48	**9.4**	**6.7**		3/24/2005	0.57	**7.8**	9/23/2004
CS-C05-290	6/16/2005	54	52	**11**	**8.6**		3/24/2005	2	**19**	6/10/2004
CS-C06-185	6/17/2005	43	36	1.9	3.2		3/16/2005	0.5 J	3.5	6/11/2003
CS-C06-278	NS	12	1	NS	ND (0.5)		12/6/2004	1	1	12/12/2000
CS-VPB-01	6/15/2005	39	38	**130**	**220**		3/22/2005	**40**	**400**	3/12/2004
CS-VPB-02	NS	52	50	NS	1.9		12/15/2004	0.93 J	**36**	11/8/1993
CS-VPB-03	6/14/2005	32	6	0.2 J	0.17 J		3/22/2005	0.1 J	0.27 J	9/23/2004
CS-VPB-04	6/16/2005	64	63	**190**	**200**		3/23/2005	**14.1**	**300**	3/18/2004
CS-VPB-05	6/16/2005	67	66	**68 J**	**59**		3/24/2005	2	**74**	9/23/2004
CS-VPB-06	6/17/2005	60	55	**7.6**	**8 J**		3/24/2005	0.9 J	**14**	10/27/1994
CS-VPB-07	6/15/2005	66	57	**42 J**	**27**		3/22/2005	**16**	**79 J**	3/12/1998
CS-VPB-08	6/14/2005	46	44	**140**	**180**		3/22/2005	4.5	**180**	3/22/2005
CS-VPB-09	6/9/2005	36	30	**13**	**19**		3/16/2005	0.7	**19**	3/16/2005
CS-VPB-10	6/16/2005	65	57	**24**	**15**		3/24/2005	0.8	**54**	9/19/2001
CS-VPB-11	NS	42	42	NS	**11**		1/6/2003	**8**	**59**	9/15/1989
NH-C01-325	NS	52	49	NS	3.2		3/15/2005	1	**71**	7/24/1996
NH-C01-450	NS	15	12	NS	**9**		12/10/2001	1	**9**	12/10/2001
NH-C01-660	NS	16	3	NS	ND (0.5)		11/30/2004	0.09 J	0.09 J	12/10/2002
NH-C01-780	NS	15	3	NS	ND (0.5)		11/30/2004	0.1 J	0.1 J	12/10/2002
NH-C02-220	NS	35	14	NS	0.5 J		6/13/2001	0.1 J	1	3/20/1996
NH-C02-325	6/13/2005	50	49	1.9	2.9 J		3/21/2005	1.6	**29**	11/15/1993
NH-C02-520	6/13/2005	47	42	2.1 J	2.3		3/21/2005	0.94	**8**	11/3/1993
NH-C02-681	NS	15	0	NS	ND (0.5)		12/1/2004	ND (0.5)	ND (0.5)	12/1/2004
NH-C03-380	6/13/2005	47	35	4.5	**10**	-1	3/18/2005	0.3 J	**20**	9/22/2004
NH-C03-580	6/13/2005	56	40	**16**	**16**		3/18/2005	0.2 J	**35**	6/8/2004
NH-C03-680	6/8/2005	22	10	ND (0.5)	0.18 J	-1	3/15/2005	0.18 J	2	12/3/2003
NH-C03-800	NS	15	3	NS	ND (0.5)		12/3/2004	0.1 J	0.6 J	1/11/2000

TABLE 3-7
Maximum and Minimum Detected PCE Values - Second Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
NH-C04-240	NS	46	24	NS	ND (0.5)		12/3/2004	0.1 J	3	9/14/2000
NH-C04-375	NS	16	0	NS	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C04-560	NS	16	0	NS	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C05-320	NS	6	0	NS	ND (0.5)		12/4/2000	ND (0.5)	ND (0.5)	12/4/2000
NH-C05-460	6/13/2005	20	11	2.8 J	ND (0.5)	+1	3/18/2005	3.6	**15**	12/2/2003
NH-C06-160	6/8/2005	51	34	0.47 J	0.65		3/21/2005	0.2 J	ND (1) J	12/7/1995
NH-C06-285	6/14/2005	19	15	3.1	3.8		3/21/2005	1	4	8/31/2004
NH-C06-425	NS	13	1	NS	ND (0.5)		12/1/2004	0.9	0.9	12/12/2002
NH-VPB-01	6/14/2005	61	59	**15**	**20**		3/21/2005	**16**	**350**	11/9/1993
NH-VPB-02	NS	20	8	NS	1.6		9/10/2003	0.3 J	3 J	12/10/2002
NH-VPB-03	NS	13	3	NS	0.14 J		6/3/2003	0.1 J	0.3 J	3/13/2001
NH-VPB-04	NS	12	0	NS	ND (0.5)		12/13/2001	ND (0.5)	ND (0.5)	12/13/2001
NH-VPB-05	6/8/2005	55	34	0.19 J	0.36 J		3/15/2005	0.19 J	**20**	5/5/1995
NH-VPB-06	NS	23	12	NS	0.8 J		6/15/1998	0.3 J	4	12/18/1996
NH-VPB-07	NS	42	39	NS	**7**		12/1/1999	0.3 J	**75 J**	9/11/1990
NH-VPB-08	6/8/2005	55	43	1.8	1.9		3/15/2005	0.9 J	4	9/17/1997
NH-VPB-09	NS	33	30	NS	4		3/6/2001	2	5	9/14/2000
NH-VPB-10	NS	12	0	NS	ND (0.5)		12/14/2004	ND (0.5)	ND (0.5)	12/14/2004
NH-VPB-11	NS	11	2	NS	ND (1)		6/22/1998	0.2 J	0.3 J	12/4/1995
NH-VPB-12	NS	15	0	NS	ND (0.5)		12/13/2001	ND (0.5)	ND (0.5)	12/13/2001
NH-VPB-13	NS	11	1	NS	ND (1)		12/4/1995	0.2 J	0.2 J	10/19/1994
NH-VPB-14	NS	39	25	NS	**11**		3/15/2000	1.4	**250**	3/11/1998
PO-C01-195	6/17/2005	31	24	0.65	0.59		3/24/2005	0.2 J	1.2	12/20/2004
PO-C01-354	NS	17	1	NS	ND (0.5)		12/6/2004	0.04 J	0.04 J	1/7/2003
PO-C02-053	6/9/2005	50	42	0.79	0.57		3/16/2005	0.57	4	11/11/1993
PO-C02-205	NS	19	11	NS	ND (0.5)		12/6/2004	0.2 J	ND (1)	4/1/1991
PO-C03-182	6/10/2005	51	44	0.99	1.6		3/16/2005	1	**21**	10/28/1994
PO-C03-235	NS	40	33	NS	0.84		12/8/2004	0.84	2	12/15/1997
PO-VPB-01	6/9/2005	55	43	0.61	0.83		3/16/2005	0.33 J	ND ()	11/9/1989
PO-VPB-02	6/17/2005	59	59	**92**	**98**		3/24/2005	**22**	**210**	3/17/2004
PO-VPB-03	NS	55	54	NS	5		3/24/2005	2	ND ()	11/14/1989
PO-VPB-04	NS	5	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
PO-VPB-05	NS	49	25	NS	0.38 J		12/7/2004	0.1 J	0.7 J	12/15/1997
PO-VPB-06	NS	19	7	NS	0.35 J		12/7/2004	0.1 J	0.4 J	12/15/2000
PO-VPB-07	6/9/2005	48	44	1.6 J	2.2		3/16/2005	0.66	**23**	12/15/1997
PO-VPB-08	6/17/2005	56	55	4.1	2.6		3/23/2005	0.05 J	**11**	9/18/2001
PO-VPB-09	NS	5	0	NS	ND (1)		8/19/1993	ND (1)	ND (1)	8/19/1993
PO-VPB-10	NS	13	0	NS	ND (0.5) J		9/20/2001	ND (0.5) J	ND (0.5) J	9/20/2001
PO-VPB-11	NS	4	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
VD-VPB-01	NS	34	34	NS	3		12/8/2000	1	**10**	11/12/1993
VD-VPB-02	6/10/2005	60	58	**5.1**	**6.4**		3/17/2005	1	**6.4**	3/17/2005

TABLE 3-7

Maximum and Minimum Detected PCE Values - Second Quarter 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
VD-VPB-03	6/10/2005	60	20	0.17 J	ND (0.5)	+1	3/17/2005	0.1 J	ND (1)	2/27/1991
VD-VPB-04	NS	46	26	NS	0.55		9/11/2003	0.2 J	ND (1)	2/27/1991
VD-VPB-05	NS	41	28	NS	0.8		9/9/2002	0.3 J	2	11/5/1993
VD-VPB-06	6/10/2005	62	37	ND (0.5)	ND (0.5)		3/17/2005	0.16 J	0.7	12/13/2002
VD-VPB-07	6/10/2005	54	8	0.11 J	ND (0.5)	+1	3/17/2005	0.07 J	0.2 J	3/13/2002

Notes:

NS = Not sampled
ND (250) = Not detected (reporting limit)
µg/L = Micrograms per liter
J = Approximate concentration
Results greater than the MCL 5 µg/L are bolded
+1 = Value moved 1 concentration zone up from previous sample date.
-1 = Value moved 1 concentration zone down from previous sample date.

TABLE 3-8
Maximum and Minimum Detected PCE Values - Third Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
CS-C01-105	NS	50	49	NS	**75**		12/12/2003	**20**	**300**	10/26/1994
CS-C01-285	9/16/2005	59	59	**120**	**180**		6/14/2005	**42**	**340**	12/21/2001
CS-C01-558	NS	13	0	NS	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C02-062	9/16/2005	53	53	**17**	**18**		6/15/2005	**18**	**180**	11/8/1993
CS-C02-180	9/16/2005	55	54	**5.4**	**6.4**		6/15/2005	1.9	**65**	11/8/1993
CS-C02-250	9/16/2005	55	55	**61 J**	**69**		6/15/2005	**29**	**250**	2/22/1994
CS-C02-335	9/16/2005	55	54	**150**	**310**		6/15/2005	**14**	**480**	3/15/2004
CS-C03-100	9/19/2005	65	61	**92**	**100**		6/15/2005	**7**	**280**	3/23/2005
CS-C03-325	NS	19	9	NS	0.64		12/2/2004	0.3 J	1	12/6/1999
CS-C03-465	9/19/2005	50	43	2.1	1.8		6/15/2005	0.7 J	2.5	4/3/1991
CS-C03-550	NS	15	1	NS	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C04-290	9/19/2005	55	55	**8.7**	**8.1**		6/16/2005	1.8	**15**	6/11/2003
CS-C04-382	9/19/2005	64	64	**16**	**17**		6/16/2005	4	**20**	6/10/2004
CS-C04-520	NS	13	0	NS	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C05-160	9/21/2005	55	48	**6**	**9.4**		6/16/2005	0.57	**9.4**	6/16/2005
CS-C05-290	9/21/2005	54	52	**12**	**11**		6/16/2005	2	**19**	6/10/2004
CS-C06-185	9/19/2005	43	36	1.8	1.9		6/17/2005	0.5 J	3.5	6/11/2003
CS-C06-278	NS	12	1	NS	ND (0.5)		12/6/2004	1	1	12/12/2000
CS-VPB-01	9/16/2005	39	38	**190**	**130**		6/15/2005	**40**	**400**	3/12/2004
CS-VPB-02	NS	52	50	NS	1.9		12/15/2004	0.93 J	**36**	11/8/1993
CS-VPB-03	9/21/2005	32	6	ND (0.5)	0.2 J	-1	6/14/2005	0.1 J	0.27 J	9/23/2004
CS-VPB-04	9/19/2005	64	63	**140**	**190**		6/16/2005	**14.1**	**300**	3/18/2004
CS-VPB-05	9/21/2005	67	66	**66**	**68 J**		6/16/2005	2	**74**	9/23/2004
CS-VPB-06	9/19/2005	60	55	**7.3**	**7.6**		6/17/2005	0.9 J	**14**	10/27/1994
CS-VPB-07	9/21/2005	66	57	**26**	**42 J**		6/15/2005	**16**	**79 J**	3/12/1998
CS-VPB-08	9/19/2005	46	44	**147**	**140**		6/14/2005	4.5	**180**	3/22/2005
CS-VPB-09	9/21/2005	36	30	**9.9**	**13**		6/9/2005	0.7	**19**	3/16/2005
CS-VPB-10	9/19/2005	65	57	**33**	**24**		6/16/2005	0.8	**54**	9/19/2001
CS-VPB-11	NS	42	42	NS	**11**		1/6/2003	**8**	**59**	9/15/1989
NH-C01-325	NS	52	49	NS	3.2		3/15/2005	1	**71**	7/24/1996
NH-C01-450	NS	15	12	NS	**9**		12/10/2001	1	**9**	12/10/2001
NH-C01-660	NS	16	3	NS	ND (0.5)		11/30/2004	0.09 J	0.09 J	12/10/2002
NH-C01-780	NS	15	3	NS	ND (0.5)		11/30/2004	0.1 J	0.1 J	12/10/2002
NH-C02-220	NS	35	14	NS	0.5 J		6/13/2001	0.1 J	1	3/20/1996
NH-C02-325	9/15/2005	50	49	2	1.9		6/13/2005	1.6	**29**	11/15/1993
NH-C02-520	9/15/2005	47	42	1.7	2.1 J		6/13/2005	0.94	**8**	11/3/1993
NH-C02-681	NS	15	0	NS	ND (0.5)		12/1/2004	ND (0.5)	ND (0.5)	12/1/2004
NH-C03-380	9/15/2005	47	35	2	4.5		6/13/2005	0.3 J	**20**	9/22/2004
NH-C03-580	9/15/2005	56	40	4.4	**16**	-1	6/13/2005	0.2 J	**35**	6/8/2004
NH-C03-680	9/12/2005	22	10	0.17 J	ND (0.5)	+1	6/8/2005	0.17 J	2	12/3/2003
NH-C03-800	NS	15	3	NS	ND (0.5)		12/3/2004	0.1 J	0.6 J	1/11/2000

TABLE 3-8
Maximum and Minimum Detected PCE Values - Third Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
NH-C04-240	NS	46	24	NS	ND (0.5)		12/3/2004	0.1 J	3	9/14/2000
NH-C04-375	NS	16	0	NS	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C04-560	NS	16	0	NS	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C05-320	NS	6	0	NS	ND (0.5)		12/4/2000	ND (0.5)	ND (0.5)	12/4/2000
NH-C05-460	9/15/2005	20	11	3 J	2.8 J		6/13/2005	2.8 J	**15**	12/2/2003
NH-C06-160	9/15/2005	51	34	0.5	0.47 J		6/8/2005	0.2 J	ND (1) J	12/7/1995
NH-C06-285	9/15/2005	19	15	3.5	3.1		6/14/2005	1	4	8/31/2004
NH-C06-425	NS	13	1	NS	ND (0.5)		12/1/2004	0.9	0.9	12/12/2002
NH-VPB-01	9/16/2005	61	59	**14**	**15**		6/14/2005	**15**	**350**	11/9/1993
NH-VPB-02	NS	20	8	NS	1.6		9/10/2003	0.3 J	3 J	12/10/2002
NH-VPB-03	NS	13	3	NS	0.14 J		6/3/2003	0.1 J	0.3 J	3/13/2001
NH-VPB-04	NS	12	0	NS	ND (0.5)		12/13/2001	ND (0.5)	ND (0.5)	12/13/2001
NH-VPB-05	9/16/2005	55	34	0.17 J	0.19 J		6/8/2005	0.19 J	**20**	5/5/1995
NH-VPB-06	NS	23	12	NS	0.8 J		6/15/1998	0.3 J	4	12/18/1996
NH-VPB-07	NS	42	39	NS	**7**		12/1/1999	0.3 J	**75 J**	9/11/1990
NH-VPB-08	9/12/2005	55	43	1.5	1.8		6/8/2005	0.9 J	4	9/17/1997
NH-VPB-09	NS	33	30	NS	4		3/6/2001	2	5	9/14/2000
NH-VPB-10	NS	12	0	NS	ND (0.5)		12/14/2004	ND (0.5)	ND (0.5)	12/14/2004
NH-VPB-11	NS	11	2	NS	ND (1)		6/22/1998	0.2 J	0.3 J	12/4/1995
NH-VPB-12	NS	15	0	NS	ND (0.5)		12/13/2001	ND (0.5)	ND (0.5)	12/13/2001
NH-VPB-13	NS	11	1	NS	ND (1)		12/4/1995	0.2 J	0.2 J	10/19/1994
NH-VPB-14	NS	39	25	NS	**11**		3/15/2000	1.4	**250**	3/11/1998
PO-C01-195	9/22/2005	31	24	0.77	0.65		6/17/2005	0.2 J	1.2	12/20/2004
PO-C01-354	NS	17	1	NS	ND (0.5)		12/6/2004	0.04 J	0.04 J	1/7/2003
PO-C02-053	9/13/2005	50	42	1.2	0.79		6/9/2005	0.57	4	11/11/1993
PO-C02-205	NS	19	11	NS	ND (0.5)		12/6/2004	0.2 J	ND (1)	4/1/1991
PO-C03-182	9/13/2005	51	44	1.5	0.99		6/10/2005	0.99	**21**	10/28/1994
PO-C03-235	NS	40	33	NS	0.84		12/8/2004	0.84	2	12/15/1997
PO-VPB-01	9/13/2005	55	43	0.87	0.61		6/9/2005	0.33 J	ND ()	11/9/1989
PO-VPB-02	9/22/2005	59	59	**83**	**92**		6/17/2005	**22**	**210**	3/17/2004
PO-VPB-03	NS	55	54	NS	5		3/24/2005	2	ND ()	11/14/1989
PO-VPB-04	NS	5	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
PO-VPB-05	NS	49	25	NS	0.38 J		12/7/2004	0.1 J	0.7 J	12/15/1997
PO-VPB-06	NS	19	7	NS	0.35 J		12/7/2004	0.1 J	0.4 J	12/15/2000
PO-VPB-07	9/22/2005	48	44	0.8 J	1.6 J		6/9/2005	0.66	**23**	12/15/1997
PO-VPB-08	9/22/2005	56	55	4.4	4.1		6/17/2005	0.05 J	**11**	9/18/2001
PO-VPB-09	NS	5	0	NS	ND (1)		8/19/1993	ND (1)	ND (1)	8/19/1993
PO-VPB-10	NS	13	0	NS	ND (0.5) J		9/20/2001	ND (0.5) J	ND (0.5) J	9/20/2001
PO-VPB-11	NS	4	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
VD-VPB-01	9/14/2005	34	34	4.9	3		12/8/2000	1	**10**	11/12/1993
VD-VPB-02	9/14/2005	60	58	1.5	**5.1**	-1	6/10/2005	1	**6.4**	3/17/2005

TABLE 3-8

Maximum and Minimum Detected PCE Values - Third Quarter 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
VD-VPB-03	9/14/2005	60	20	0.28 J	0.17 J		6/10/2005	0.1 J	ND (1)	2/27/1991
VD-VPB-04	NS	46	26	NS	0.55		9/11/2003	0.2 J	ND (1)	2/27/1991
VD-VPB-05	NS	41	28	NS	0.8		9/9/2002	0.3 J	2	11/5/1993
VD-VPB-06	9/14/2005	62	37	0.19 J	ND (0.5)	+1	6/10/2005	0.16 J	0.7	12/13/2002
VD-VPB-07	9/14/2005	54	8	0.18 J	0.11 J		6/10/2005	0.07 J	0.2 J	3/13/2002

Notes:

NS = Not sampled
ND (250) = Not detected (reporting limit)
µg/L = Micrograms per liter
J = Approximate concentration
Results greater than the MCL 5 µg/L are bolded
+1 = Value moved 1 concentration zone up from previous sample date.
-1 = Value moved 1 concentration zone down from previous sample date.

TABLE 3-9
Maximum and Minimum Detected PCE Values - Fourth Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
CS-C01-105	12/22/2005	50	49	**5.1**	**75**	-1	12/12/2003	**20**	**300**	10/26/1994
CS-C01-285	12/22/2005	59	59	**140**	**120**		9/16/2005	**42**	**340**	12/21/2001
CS-C01-558	12/15/2005	13	0	ND (0.5)	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C02-062	12/27/2005	53	53	**18**	**17**		9/16/2005	**17**	**180**	11/8/1993
CS-C02-180	12/27/2005	55	54	**7.6**	**5.4**		9/16/2005	1.9	**65**	11/8/1993
CS-C02-250	12/27/2005	55	55	**57**	**61 J**		9/16/2005	**29**	**250**	2/22/1994
CS-C02-335	12/27/2005	55	54	**200**	**150**		9/16/2005	**14**	**480**	3/15/2004
CS-C03-100	1/3/2006	65	61	**110**	**92**	+1	9/19/2005	**7**	**280**	3/23/2005
CS-C03-325	12/16/2005	19	9	ND (0.5)	0.64	-1	12/2/2004	0.3 J	1	12/6/1999
CS-C03-465	1/3/2006	50	43	2.5	2.1		9/19/2005	0.7 J	2.5	4/3/1991
CS-C03-550	12/16/2005	15	1	0.86	ND (0.5)	+1	12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C04-290	12/29/2005	55	55	**13**	**8.7**		9/19/2005	1.8	**15**	6/11/2003
CS-C04-382	12/29/2005	64	64	**25**	**16**		9/19/2005	4	**20**	6/10/2004
CS-C04-520	12/16/2005	13	0	ND (0.5)	ND (0.5)		12/2/2004	ND (0.5)	ND (0.5)	12/2/2004
CS-C05-160	12/28/2005	55	48	**9.9 J**	**6**		9/21/2005	0.57	**9.4**	6/16/2005
CS-C05-290	12/28/2005	54	52	**13**	**12**		9/21/2005	2	**19**	6/10/2004
CS-C06-185	12/29/2005	43	36	2	1.8		9/19/2005	0.5 J	3.5	6/11/2003
CS-C06-278	12/16/2005	12	1	ND (0.5)	ND (0.5)		12/6/2004	1	1	12/12/2000
CS-VPB-01	12/28/2005	39	38	**110**	**190**		9/16/2005	**40**	**400**	3/12/2004
CS-VPB-02	12/16/2005	52	50	1.6	1.9		12/15/2004	0.93 J	**36**	11/8/1993
CS-VPB-03	12/28/2005	32	6	0.11 J	ND (0.5)	+1	9/21/2005	0.1 J	0.27 J	9/23/2004
CS-VPB-04	12/29/2005	64	63	**110**	**140**		9/19/2005	**14.1**	**300**	3/18/2004
CS-VPB-05	12/28/2005	67	66	**67**	**66**		9/21/2005	2	**74**	9/23/2004
CS-VPB-06	12/29/2005	60	55	**6.2**	**7.3**		9/19/2005	0.9 J	**14**	10/27/1994
CS-VPB-07	12/28/2005	66	57	**38 J**	**26**		9/21/2005	**16**	**79 J**	3/12/1998
CS-VPB-08	12/29/2005	46	44	**180**	**147**		9/19/2005	4.5	**180**	3/22/2005
CS-VPB-09	12/16/2005	36	30	**13**	**9.9**		9/21/2005	0.7	**19**	3/16/2005
CS-VPB-10	12/29/2005	65	57	**22**	**33**		9/19/2005	0.8	**54**	9/19/2001
CS-VPB-11	NS	42	42	NS	**11**		1/6/2003	**8**	**59**	9/15/1989
NH-C01-325	NS	52	49	NS	3.2		3/15/2005	1	**71**	7/24/1996
NH-C01-450	NS	15	12	NS	**9**		12/10/2001	1	**9**	12/10/2001
NH-C01-660	12/13/2005	16	3	0.079 J	ND (0.5)	+1	11/30/2004	0.09 J	0.09 J	12/10/2002
NH-C01-780	12/13/2005	15	3	0.092 J	ND (0.5)	+1	11/30/2004	0.1 J	0.1 J	12/10/2002
NH-C02-220	NS	35	14	NS	0.5 J		6/13/2001	0.1 J	1	3/20/1996
NH-C02-325	12/22/2005	50	49	2.1	2		9/15/2005	1.6	**29**	11/15/1993
NH-C02-520	12/22/2005	47	42	1.4	1.7		9/15/2005	0.94	**8**	11/3/1993
NH-C02-681	12/14/2005	15	0	ND (0.5)	ND (0.5)		12/1/2004	ND (0.5)	ND (0.5)	12/1/2004
NH-C03-380	12/14/2005	47	35	1.2	2		9/15/2005	0.3 J	**20**	9/22/2004
NH-C03-580	12/21/2005	56	40	3.4	4.4		9/15/2005	0.2 J	**35**	6/8/2004
NH-C03-680	12/14/2005	22	10	0.35 J	0.17 J		9/12/2005	0.17 J	2	12/3/2003
NH-C03-800	12/13/2005	15	3	ND (0.5)	ND (0.5)		12/3/2004	0.1 J	0.6 J	1/11/2000

TABLE 3-9
Maximum and Minimum Detected PCE Values - Fourth Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
NH-C04-240	12/15/2005	46	24	0.21 J	ND (0.5)	+1	12/3/2004	0.1 J	3	9/14/2000
NH-C04-375	12/15/2005	16	0	ND (0.5)	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C04-560	12/15/2005	16	0	ND (0.5)	ND (0.5)		12/3/2004	ND (0.5)	ND (0.5)	12/3/2004
NH-C05-320	NS	6	0	NS	ND (0.5)		12/4/2000	ND (0.5)	ND (0.5)	12/4/2000
NH-C05-460	12/21/2005	20	11	5 J	3 J		9/15/2005	2.8 J	**15**	12/2/2003
NH-C06-160	12/15/2005	51	34	0.8	0.5		9/15/2005	0.2 J	ND (1) J	12/7/1995
NH-C06-285	12/21/2005	19	15	4	3.5		9/15/2005	1	4	8/31/2004
NH-C06-425	12/15/2005	13	1	ND (0.5)	ND (0.5)		12/1/2004	0.9	0.9	12/12/2002
NH-VPB-01	12/27/2005	61	59	**17**	**14**		9/16/2005	**13**	**350**	11/9/1993
NH-VPB-02	NS	20	8	NS	1.6		9/10/2003	0.3 J	3 J	12/10/2002
NH-VPB-03	NS	13	3	NS	0.14 J		6/3/2003	0.1 J	0.3 J	3/13/2001
NH-VPB-04	NS	12	0	NS	ND (0.5)		12/13/2001	ND (0.5)	ND (0.5)	12/13/2001
NH-VPB-05	12/14/2005	55	34	0.25 J	0.17 J		9/16/2005	0.17 J	**20**	5/5/1995
NH-VPB-06	NS	23	12	NS	0.8 J		6/15/1998	0.3 J	4	12/18/1996
NH-VPB-07	NS	42	39	NS	**7**		12/1/1999	0.3 J	**75 J**	9/11/1990
NH-VPB-08	12/14/2005	55	43	3.4	1.5		9/12/2005	0.9 J	4	9/17/1997
NH-VPB-09	NS	33	30	NS	4		3/6/2001	2	5	9/14/2000
NH-VPB-10	12/22/2005	12	0	ND (0.5)	ND (0.5)		12/14/2004	ND (0.5)	ND (0.5)	12/14/2004
NH-VPB-11	NS	11	2	NS	ND (1)		6/22/1998	0.2 J	0.3 J	12/4/1995
NH-VPB-12	NS	15	0	NS	ND (0.5)		12/13/2001	ND (0.5)	ND (0.5)	12/13/2001
NH-VPB-13	NS	11	1	NS	ND (1)		12/4/1995	0.2 J	0.2 J	10/19/1994
NH-VPB-14	NS	39	25	NS	**11**		3/15/2000	1.4	**250**	3/11/1998
PO-C01-195	1/3/2006	31	24	1.1	0.77		9/22/2005	0.2 J	1.2	12/20/2004
PO-C01-354	12/20/2005	17	1	ND (0.5)	ND (0.5)		12/6/2004	0.04 J	0.04 J	1/7/2003
PO-C02-053	12/19/2005	50	42	1.4	1.2		9/13/2005	0.57	4	11/11/1993
PO-C02-205	12/19/2005	19	11	0.54	ND (0.5)	+1	12/6/2004	0.2 J	ND (1)	4/1/1991
PO-C03-182	12/19/2005	51	44	1.4	1.5		9/13/2005	0.99	**21**	10/28/1994
PO-C03-235	12/19/2005	40	33	1.3	0.84		12/8/2004	0.84	2	12/15/1997
PO-VPB-01	12/19/2005	55	43	0.77	0.87		9/13/2005	0.33 J	ND ()	11/9/1989
PO-VPB-02	1/3/2006	59	59	**75**	**83**		9/22/2005	**22**	**210**	3/17/2004
PO-VPB-03	NS	55	54	NS	5		3/24/2005	2	ND ()	11/14/1989
PO-VPB-04	NS	5	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
PO-VPB-05	12/20/2005	49	25	0.1 J	0.38 J		12/7/2004	0.1 J	0.7 J	12/15/1997
PO-VPB-06	12/19/2005	19	7	ND (0.5)	0.35 J	-1	12/7/2004	0.1 J	0.4 J	12/15/2000
PO-VPB-07	1/3/2006	48	44	0.89	0.8 J		9/22/2005	0.66	**23**	12/15/1997
PO-VPB-08	1/3/2006	56	55	5	4.4		9/22/2005	0.05 J	**11**	9/18/2001
PO-VPB-09	NS	5	0	NS	ND (1)		8/19/1993	ND (1)	ND (1)	8/19/1993
PO-VPB-10	NS	13	0	NS	ND (0.5) J		9/20/2001	ND (0.5) J	ND (0.5) J	9/20/2001
PO-VPB-11	NS	4	0	NS	ND (1)		9/20/1990	ND (1)	ND (1)	9/20/1990
VD-VPB-01	12/2/2005	34	34	4.1	4.9		9/14/2005	1	**10**	11/12/1993
VD-VPB-02	12/20/2005	60	58	2.1	1.5		9/14/2005	1	**6.4**	3/17/2005

TABLE 3-9

Maximum and Minimum Detected PCE Values - Fourth Quarter 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (µg/L)	Previous Value (µg/L)	Change	Previous Date	Minimum Detected Value (µg/L)	Maximum Value (µg/L)	Date of Maximum Value
VD-VPB-03	12/20/2005	60	20	0.34 J	0.28 J		9/14/2005	0.1 J	ND (1)	2/27/1991
VD-VPB-04	NS	46	26	NS	0.55		9/11/2003	0.2 J	ND (1)	2/27/1991
VD-VPB-05	NS	41	28	NS	0.8		9/9/2002	0.3 J	2	11/5/1993
VD-VPB-06	12/20/2005	62	37	0.36 J	0.19 J		9/14/2005	0.16 J	0.7	12/13/2002
VD-VPB-07	12/20/2005	54	8	0.094 J	0.18 J		9/14/2005	0.07 J	0.2 J	3/13/2002

Notes:

NS = Not sampled
ND (250) = Not detected (reporting limit)
µg/L = Micrograms per liter
J = Approximate concentration
Results greater than the MCL 5 µg/L are bolded
+1 = Value moved 1 concentration zone up from previous sample date.
-1 = Value moved 1 concentration zone down from previous sample date.

TABLE 3-10
Summary of PCE Values - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	1st Qtr.			2nd Qtr.			3rd Qtr.			4th Qtr.		
	Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)	
CS-C01-105	NS			NS			NS			12/22/2005	**5.1**	-1
CS-C01-285	03/21/2005	**240**		06/14/2005	**180**		09/16/2005	**120**		12/22/2005	**140**	
CS-C01-558	NS			NS			NS			12/15/2005	ND (0.5)	
CS-C02-062	03/22/2005	**20**		06/15/2005	**18**		09/16/2005	**17**		12/27/2005	**18**	
CS-C02-180	03/22/2005	4.7	-1	06/15/2005	**6.4**	+1	09/16/2005	**5.4**		12/27/2005	**7.6**	
CS-C02-250	03/22/2005	**86**		06/15/2005	**69**		09/16/2005	**61 J**		12/27/2005	**57**	
CS-C02-335	03/22/2005	**370**		06/15/2005	**310**		09/16/2005	**150**		12/27/2005	**200**	
CS-C03-100	03/23/2005	**280**	+1	06/15/2005	**100**	-1	09/19/2005	**92**		01/03/2006	**110**	+1
CS-C03-325	NS			NS			NS			12/16/2005	ND (0.5)	-1
CS-C03-465	03/23/2005	1.8		06/15/2005	1.8		09/19/2005	2.1		01/03/2006	2.5	
CS-C03-550	NS			NS			NS			12/16/2005	0.9	+1
CS-C04-290	03/23/2005	**7.9**		06/16/2005	**8.1**		09/19/2005	**8.7**		12/29/2005	**13**	
CS-C04-382	03/23/2005	**19**		06/16/2005	**17**		09/19/2005	**16**		12/29/2005	**25**	
CS-C04-520	NS			NS			NS			12/16/2005	ND (0.5)	
CS-C05-160	03/24/2005	**6.7**	+1	06/16/2005	**9.4**		09/21/2005	**6**		12/28/2005	**9.9 J**	
CS-C05-290	03/24/2005	**8.6**		06/16/2005	**11**		09/21/2005	**12**		12/28/2005	**13**	
CS-C06-185	03/16/2005	3.2		06/17/2005	1.9		09/19/2005	1.8		12/29/2005	2	
CS-C06-278	NS			NS			NS			12/16/2005	ND (0.5)	
CS-VPB-01	03/22/2005	**220**		06/15/2005	**130**		09/16/2005	**190**		12/28/2005	**110**	
CS-VPB-02	NS			NS			NS			12/16/2005	1.6	
CS-VPB-03	03/22/2005	0.2 J	+1	06/14/2005	0.2 J		09/21/2005	ND (0.5)	-1	12/28/2005	0.1 J	+1
CS-VPB-04	03/23/2005	**200**		06/16/2005	**190**		09/19/2005	**140**		12/29/2005	**110**	
CS-VPB-05	03/24/2005	**59**	+1	06/16/2005	**68 J**		09/21/2005	**66**		12/28/2005	**67**	
CS-VPB-06	03/24/2005	**8 J**		06/17/2005	**7.6**		09/19/2005	**7.3**		12/29/2005	**6.2**	
CS-VPB-07	03/22/2005	**27**		06/15/2005	**42 J**		09/21/2005	**26**		12/28/2005	**38 J**	
CS-VPB-08	03/22/2005	**180**	+1	06/14/2005	**140**		09/19/2005	**147**		12/29/2005	**180**	
CS-VPB-09	03/16/2005	**19**	+1	06/09/2005	**13**		09/21/2005	**9.9**		12/16/2005	**13**	
CS-VPB-10	03/24/2005	**15**		06/16/2005	**24**		09/19/2005	**33**		12/29/2005	**22**	
CS-VPB-11	NS			NS			NS			NS		
NH-C01-325	03/15/2005	3.2	-1	NS			NS			NS		
NH-C01-450	NS			NS			NS			NS		
NH-C01-660	NS			NS			NS			12/13/2005	0.1 J	+1
NH-C01-780	NS			NS			NS			12/13/2005	0.1 J	+1
NH-C02-220	NS			NS			NS			NS		
NH-C02-325	03/21/2005	2.9 J		06/13/2005	1.9		09/15/2005	2		12/22/2005	2.1	
NH-C02-520	03/21/2005	2.3		06/13/2005	2.1 J		09/15/2005	1.7		12/22/2005	1.4	
NH-C02-681	NS			NS			NS			12/14/2005	ND (0.5)	
NH-C03-380	03/18/2005	**10**		06/13/2005	4.5	-1	09/15/2005	2		12/14/2005	1.2	
NH-C03-580	03/18/2005	**16**		06/13/2005	**16**		09/15/2005	4.4	-1	12/21/2005	3.4	
NH-C03-680	03/15/2005	0.2 J	+1	06/08/2005	ND (0.5)	-1	09/12/2005	0.2 J	+1	12/14/2005	0.3 J	

TABLE 3-10
Summary of PCE Values - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	1st Qtr.			2nd Qtr.			3rd Qtr.			4th Qtr.		
	Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)	
NH-C03-800	NS			NS			NS			12/13/2005	ND (0.5)	
NH-C04-240	NS			NS			NS			12/15/2005	0.2 J	+1
NH-C04-375	NS			NS			NS			12/15/2005	ND (0.5)	
NH-C04-560	NS			NS			NS			12/15/2005	ND (0.5)	
NH-C05-320	NS			NS			NS			NS		
NH-C05-460	03/18/2005	ND (0.5)	-1	06/13/2005	2.8 J	+1	09/15/2005	3 J		12/21/2005	5 J	
NH-C06-160	03/21/2005	0.6		06/08/2005	0.5 J		09/15/2005	0.5		12/15/2005	0.8	
NH-C06-285	03/21/2005	3.8		06/14/2005	3.1		09/15/2005	3.5		12/21/2005	4	
NH-C06-425	NS			NS			NS			12/15/2005	ND (0.5)	
NH-VPB-01	03/21/2005	**20**		06/14/2005	**15**		09/16/2005	**14**		12/27/2005	**17**	
NH-VPB-02	NS			NS			NS			NS		
NH-VPB-03	NS			NS			NS			NS		
NH-VPB-04	NS			NS			NS			NS		
NH-VPB-05	03/15/2005	0.4 J		06/08/2005	0.2 J		09/16/2005	0.2 J		12/14/2005	0.2 J	
NH-VPB-06	NS			NS			NS			NS		
NH-VPB-07	NS			NS			NS			NS		
NH-VPB-08	03/15/2005	1.9		06/08/2005	1.8		09/12/2005	1.5		12/14/2005	3.4	
NH-VPB-09	NS			NS			NS			NS		
NH-VPB-10	NS			NS			NS			12/22/2005	ND (0.5)	
NH-VPB-11	NS			NS			NS			NS		
NH-VPB-12	NS			NS			NS			NS		
NH-VPB-13	NS			NS			NS			NS		
NH-VPB-14	NS			NS			NS			NS		
PO-C01-195	03/24/2005	0.6		06/17/2005	0.6		09/22/2005	0.8		01/03/2006	1.1	
PO-C01-354	NS			NS			NS			12/20/2005	ND (0.5)	
PO-C02-053	03/16/2005	0.6		06/09/2005	0.8		09/13/2005	1.2		12/19/2005	1.4	
PO-C02-205	NS			NS			NS			12/19/2005	0.5	+1
PO-C03-182	03/16/2005	1.6		06/10/2005	1		09/13/2005	1.5		12/19/2005	1.4	
PO-C03-235	NS			NS			NS			12/19/2005	1.3	
PO-VPB-01	03/16/2005	0.8		06/09/2005	0.6		09/13/2005	0.9		12/19/2005	0.8	
PO-VPB-02	03/24/2005	**98**	-1	06/17/2005	**92**		09/22/2005	**83**		01/03/2006	**75**	
PO-VPB-03	03/24/2005	5	-1	NS			NS			NS		
PO-VPB-04	NS			NS			NS			NS		
PO-VPB-05	NS			NS			NS			12/20/2005	0.1 J	
PO-VPB-06	NS			NS			NS			12/19/2005	ND (0.5)	-1
PO-VPB-07	03/16/2005	2.2	+1	06/09/2005	1.6 J		09/22/2005	0.8 J		01/03/2006	0.9	
PO-VPB-08	03/23/2005	2.6	-1	06/17/2005	4.1		09/22/2005	4.4		01/03/2006	5	
PO-VPB-09	NS			NS			NS			NS		
PO-VPB-10	NS			NS			NS			NS		
PO-VPB-11	NS			NS			NS			NS		

TABLE 3-10

Summary of PCE Values - First, Second, Third and Fourth Quarters 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	1st Qtr.			2nd Qtr.			3rd Qtr.			4th Qtr.	
	Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)
VD-VPB-01	NS			NS			09/14/2005	4.9		12/02/2005	4.1
VD-VPB-02	03/17/2005	**6.4**	+1	06/10/2005	**5.1**		09/14/2005	1.5	-1	12/20/2005	2.1
VD-VPB-03	03/17/2005	ND (0.5)		06/10/2005	0.2 J	+1	09/14/2005	0.3 J		12/20/2005	0.3 J
VD-VPB-04	NS			NS			NS			NS	
VD-VPB-05	NS			NS			NS			NS	
VD-VPB-06	03/17/2005	ND (0.5)	-1	06/10/2005	ND (0.5)		09/14/2005	0.2 J	+1	12/20/2005	0.4 J
VD-VPB-07	03/17/2005	ND (0.5)		06/10/2005	0.1 J	+1	09/14/2005	0.2 J		12/20/2005	0.1 J

Notes:

ND (250): Not detected (reporting limit)
NS = Not sampled
J = Approximate concentration
+1 = value moved 1 concentration zone up from previous sampling
-1 = value moved 1 concentration zone down from previous sampling
Results greather than the MCL 5 µg/L are bolded

TABLE 3-11
Summary of Select VOCs Exceeding Thresholds - First Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

MCLs:	Trichloroethene (5 µg/L)	Tetrachloroethene (5 µg/L)	1,1-Dichloroethene (6 µg/L)	Carbon Tetrachloride (0.5 µg/L)	1,1-Dichloroethane (5 µg/L)
Well ID					
CS-C01-285	370	240	--	0.84	--
CS-C02-062	36	20	--	--	--
CS-C02-180	11	--	--	--	--
CS-C02-250	180	86	--	1.2	--
CS-C02-335	370	370	--	1.1	--
CS-C03-100	290	280	16	1.8	--
CS-C03-465	8.2	--	--	--	--
CS-C04-290	15	7.9	--	--	--
CS-C04-382	26	19	--	--	--
CS-C05-160	150	6.7	--	1.7	--
CS-C05-290	8.6	8.6	--	--	--
CS-C06-185	8.8	--	--	--	--
CS-VPB-01	150	220	--	0.53	--
CS-VPB-03	19	--	--	0.64	--
CS-VPB-04	4800	200	350	8.9	29
CS-VPB-05	2100	59	170	6.4	20
CS-VPB-06	450	8 J	--	4.4	--
CS-VPB-07	3400	27	330	17	24
CS-VPB-08	100	180	--	--	--
CS-VPB-09	--	19	--	--	--
CS-VPB-10	5.4 J	15	--	--	--
NH-C02-325	15	--	--	0.52	--
NH-C02-520	90	--	--	5.3	--
NH-C03-380	11	10	--	--	--
NH-C03-580	18	16	--	--	--
NH-C06-285	70	--	--	0.74	--
NH-VPB-01	41	20	--	1.2	--
NH-VPB-05	5.8	--	--	2.6	--
NH-VPB-08	5.4	--	--	--	--
PO-C01-195	7.6	--	--	--	--
PO-VPB-02	210	98	--	--	--
PO-VPB-03	8	--	--	--	--
PO-VPB-07	25	--	--	--	--
PO-VPB-08	--	--	--	1	--
VD-VPB-02	--	6.4	--	--	--

Notes:
µg/L = micrograms per liter
MCL: Cal DHS Primary Maximum Contaminant Level

TABLE 3-12
Summary of Select VOCs Exceeding Thresholds - Second Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

MCLs:	Trichloroethene (5 µg/L)	Tetrachloroethene (5 µg/L)	1,1-Dichloroethene (6 µg/L)	Carbon Tetrachloride (0.5 µg/L)	1,1-Dichloroethane (5 µg/L)
Well ID					
CS-C01-285	250	180	--	1.1	--
CS-C02-062	29	18	--	--	--
CS-C02-180	15	6.4	--	--	--
CS-C02-250	130	69	--	1.2	--
CS-C02-335	320	310	--	1.1	--
CS-C03-100	710	100	56	--	7.7 J
CS-C03-465	8.4	--	--	--	--
CS-C04-290	14	8.1	--	--	--
CS-C04-382	8.4	17	--	--	--
CS-C05-160	220	9.4	10	2.3 J	--
CS-C05-290	12	11	--	--	--
CS-C06-185	6.4	--	--	--	--
CS-VPB-01	94	130	--	--	--
CS-VPB-03	19	--	--	0.52 J	--
CS-VPB-04	3600	190	490	11	33
CS-VPB-05	2100	68 J	240	10 J	22 J
CS-VPB-06	370	7.6	32	5.2	--
CS-VPB-07	820	42 J	320	20	24
CS-VPB-08	82	140	--	--	--
CS-VPB-09	--	13	--	--	--
CS-VPB-10	9.3	24	--	--	--
NH-C02-325	9.8	--	--	--	--
NH-C02-520	71	--	--	4.3	--
NH-C03-380	5.4	--	--	--	--
NH-C03-580	22	16	--	--	--
NH-C05-460	90	--	--	--	--
NH-C06-285	57	--	--	0.71 J	--
NH-VPB-01	33	15	--	1	--
NH-VPB-05	--	--	--	2	--
PO-C01-195	10	--	--	--	--
PO-VPB-02	200	92	11	--	--
PO-VPB-07	93	--	--	--	--
VD-VPB-02	--	5.1	--	--	--

Notes:
µg/L = micrograms per liter
MCL: Cal DHS Primary Maximum Contaminant Level

TABLE 3-13
Summary of Select VOCs Exceeding Thresholds - Third Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

MCLs:	Trichloroethene (5 µg/L)	Tetrachloroethene (5 µg/L)	1,1-Dichloroethene (6 µg/L)	Carbon Tetrachloride (0.5 µg/L)	1,1-Dichloroethane (5 µg/L)
Well ID					
CS-C01-285	170	120	--	1.2	--
CS-C02-062	27	17	--	--	--
CS-C02-180	14	5.4	--	--	--
CS-C02-250	110 J	61 J	--	1.1	--
CS-C02-335	200	150	--	0.98	--
CS-C03-100	950	92	76	7.3	9
CS-C03-465	9.8	--	--	--	--
CS-C04-290	16	8.7	--	--	--
CS-C04-382	20	16	--	--	--
CS-C05-160	130	6	--	1.4	--
CS-C05-290	12	12	--	--	--
CS-C06-185	5.8	--	--	--	--
CS-VPB-01	160	190	--	0.67	--
CS-VPB-03	11	--	--	--	--
CS-VPB-04	1900	140	250	12	30
CS-VPB-05	1500	66	180	11	22
CS-VPB-06	220	6.4	17	4.1	--
CS-VPB-07	1600	26	170	13	23
CS-VPB-08	81	147	--	--	--
CS-VPB-09	--	9.9	--	--	--
CS-VPB-10	9.1	33	--	--	--
NH-C02-325	9.9	--	--	--	--
NH-C02-520	56	--	--	3.2	--
NH-C03-580	8.1	--	--	--	--
NH-C05-460	84	--	--	--	--
NH-C06-285	52	--	--	0.58	--
NH-VPB-01	27	14	--	0.89	--
NH-VPB-05	--	--	--	1.4	--
PO-C01-195	13	--	--	--	--
PO-VPB-02	170	83	12	--	--
PO-VPB-07	29	--	--	--	--
PO-VPB-08	6.9	--	--	--	--

Notes:
µg/L = micrograms per liter
MCL: Cal DHS Primary Maximum Contaminant Level

TABLE 3-14
Summary of Select VOCs Exceeding Thresholds - Fourth Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

MCLs:	Trichloroethene (5 µg/L)	Tetrachloroethene (5 µg/L)	1,1-Dichloroethene (6 µg/L)	Carbon Tetrachloride (0.5 µg/L)	1,1-Dichloroethane (5 µg/L)
Well ID					
CS-C01-105	6.1	5.1	--	--	--
CS-C01-285	190	140	--	1 J	--
CS-C02-062	28	18	--	--	--
CS-C02-180	18	7.6	--	--	--
CS-C02-250	110	57	--	1.2 J	--
CS-C02-335	260	200	--	1 J	--
CS-C03-100	470	110	56	4.2	7.2
CS-C03-465	11	--	--	--	--
CS-C04-290	19	13	--	--	--
CS-C04-382	26	25	--	--	--
CS-C05-160	210	9.9 J	9.6 J	2.2 J	--
CS-C05-290	15	13	--	--	--
CS-C06-185	6.9	--	--	--	--
CS-VPB-01	89	110	--	--	--
CS-VPB-03	9.1	--	7	--	--
CS-VPB-04	1700	110	130	5.7	20
CS-VPB-05	840	67	160	8.1 J	21 J
CS-VPB-06	240	6.2	12	3.4 J	--
CS-VPB-07	2200	38 J	390	19 J	34 J
CS-VPB-08	80	180	--	--	--
CS-VPB-09	--	13	--	--	--
CS-VPB-10	11	22	--	--	--
NH-C02-325	10	--	--	--	--
NH-C02-520	43	--	--	2.4	--
NH-C03-580	6.9	--	--	--	--
NH-C05-460	97	--	--	--	--
NH-C06-285	58	--	--	0.59	--
NH-VPB-01	32 E	17	--	1.1	--
NH-VPB-05	7.9	--	--	2.6	--
NH-VPB-08	9.1	--	--	--	--
NH-VPB-10	--	--	--	--	7.5
PO-C01-195	15	--	--	0.55	--
PO-VPB-02	120	75	9.6	--	--
PO-VPB-07	21	--	--	7.2	--
PO-VPB-08	6.9	--	--	--	--

Notes:
µg/L = micrograms per liter
MCL: Cal DHS Primary Maximum Contaminant Level

TABLE 3-15
Maximum and Minimum Detected Nitrate Values - First Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (mg/L)	Previous Value (mg/L)	Change	Previous Date	Minimum Detected Value (mg/L)	Maximum Value (mg/L)	Date of Maximum Value
CS-C01-105	NS	43	43	NS	**48.95**		12/12/2003	1.068 J	**60.52**	12/13/2000
CS-C01-285	3/21/2005	53	53	25.81	26.7		12/14/2004	23.14 J	**71.645 J**	5/4/1992
CS-C01-558	NS	10	10	NS	2.67		12/2/2004	2.403	3.026 J	5/4/1992
CS-C02-062	3/22/2005	51	50	**66.75**	44.5	+2	12/15/2004	14.24	**71.2**	5/22/1990
CS-C02-180	3/22/2005	47	47	12.46	12.015		12/15/2004	4.228	43.61	5/21/1990
CS-C02-250	3/22/2005	51	51	20.47	20.915		12/15/2004	6.23	44.5	3/15/2004
CS-C02-335	3/22/2005	48	48	40.05	37.825		12/15/2004	11.57	**48.95**	11/20/1992
CS-C03-100	3/23/2005	55	55	**48.95**	**48.95**		12/17/2004	15.575	**59.185**	3/8/2001
CS-C03-325	NS	16	16	NS	9.79		12/2/2004	2.225	9.79	12/2/2004
CS-C03-465	3/23/2005	45	45	4.895	4.45		12/17/2004	3.516	36.49	3/15/2004
CS-C03-550	NS	13	13	NS	1.157		12/2/2004	0.934	8.455	12/12/1995
CS-C04-290	3/23/2005	48	47	11.125	10.68		12/16/2004	10.68	33.375	6/9/2000
CS-C04-382	3/23/2005	58	58	9.79	8.9		12/16/2004	5.79	19.58	5/25/1990
CS-C04-520	NS	10	9	NS	1.2015		12/2/2004	0.89 J	1.4685 J	5/7/1992
CS-C05-160	3/24/2005	50	50	26.255	22.25		12/17/2004	4.9	29.37	5/10/1993
CS-C05-290	3/24/2005	50	50	7.565	7.565		12/17/2004	3.83	24.03	3/28/1991
CS-C06-185	3/16/2005	40	39	10.68	9.79		12/17/2004	6.93	14.24	5/15/1990
CS-C06-278	NS	11	5	NS	1.3795		12/6/2004	0.045 J	8.9	12/12/2000
CS-VPB-01	3/22/2005	35	35	44.055	40.495		12/15/2004	37.024	**48.06**	3/8/2001
CS-VPB-02	NS	51	51	NS	44.055		12/15/2004	32.93	**68.085**	6/12/2000
CS-VPB-03	3/22/2005	31	31	14.24	13.795		12/16/2004	4.895	13.795	12/16/2004
CS-VPB-04	3/23/2005	51	51	**53.4**	44.5	+1	12/16/2004	1.691	**58.74**	8/5/1992
CS-VPB-05	3/24/2005	63	63	**48.95**	**53.4**		12/17/2004	31.061	**63.56**	6/5/2002
CS-VPB-06	3/24/2005	54	54	40.05	36.935		12/17/2004	4.628	**53.4**	5/15/1990
CS-VPB-07	3/22/2005	63	63	36.045	27.59		12/17/2004	27.59	38.893	3/9/2001
CS-VPB-08	3/22/2005	38	38	39.605	40.05		12/16/2004	10.235	**48.6 J**	12/3/1999
CS-VPB-09	3/16/2005	34	34	**53.4**	**53.4**		12/16/2004	30.438	**55.625**	12/19/2000
CS-VPB-10	3/24/2005	59	58	**53.4**	**53.4**		12/17/2004	28.9695	**61.855 J**	5/13/1992
CS-VPB-11	NS	42	40	NS	**54.48**		1/6/2003	6.07 J	**72.09**	5/13/1992
NH-C01-325	3/15/2005	45	45	**57.85**	**57.85**		3/19/2003	9.345	**133.5 J**	9/21/2001
NH-C01-450	NS	13	13	NS	13.35		12/10/2001	6.5	13.795	12/18/2000
NH-C01-660	NS	13	13	NS	8.455		11/30/2004	8.455	10.057 J	4/30/1992
NH-C01-780	NS	12	12	NS	7.12		11/30/2004	6.675	10.2795 J	4/30/1992
NH-C02-220	NS	28	28	NS	**53.4**		6/13/2001	33.375	**63.635**	8/15/1990
NH-C02-325	3/21/2005	46	46	17.8	17.8		12/13/2004	16.465	**54.74**	11/15/1993
NH-C02-520	3/21/2005	43	43	44.5	38.27		12/13/2004	4.45	**76.54**	3/7/2001
NH-C02-681	NS	11	11	NS	1.6465		12/1/2004	1.513	3.3375 J	5/2/1992
NH-C03-380	3/18/2005	43	43	15.13	21.36	-1	12/13/2004	5.34	40.94	6/7/2000
NH-C03-580	3/18/2005	50	50	25.365	24.92		12/13/2004	8.9	44.5	5/23/1990
NH-C03-680	3/15/2005	20	20	4.45	4.45		12/13/2004	1.958	10.68	12/12/2001
NH-C03-800	NS	12	11	NS	2.2695		12/3/2004	2.2695	4.54	1/11/2000

TABLE 3-15
Maximum and Minimum Detected Nitrate Values - First Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (mg/L)	Previous Value (mg/L)	Change	Previous Date	Minimum Detected Value (mg/L)	Maximum Value (mg/L)	Date of Maximum Value
NH-C04-240	NS	41	40	NS	24.475		12/3/2004	7.74	24.475	12/3/2004
NH-C04-375	NS	13	13	NS	13.795		12/3/2004	2.225	**71.2**	3/21/1991
NH-C04-560	NS	11	7	NS	ND (0.05)		12/3/2004	0.2225	1.869 J	5/3/1992
NH-C05-320	NS	5	5	NS	**72.98**		12/4/2000	**62.745**	**89**	1/30/1991
NH-C05-460	3/18/2005	19	18	ND (0.445)	16.91	-1	12/13/2004	5.34	21.36	11/11/1992
NH-C06-160	3/21/2005	48	46	**66.75**	**66.75**		12/1/2004	**52.065**	**106.8**	12/6/2003
NH-C06-285	3/21/2005	17	17	40.05	38.715		12/14/2004	22.25	38.715	12/14/2004
NH-C06-425	NS	11	11	NS	12.46		12/1/2004	4.45	13.35	11/17/1992
NH-VPB-01	3/21/2005	58	58	**48.95**	**48.95**		12/14/2004	37.38	**67.195 J**	5/4/1992
NH-VPB-02	NS	18	18	NS	**80.1**		9/10/2003	32.93	**80.1**	9/10/2003
NH-VPB-03	NS	11	11	NS	**66.75**		6/3/2003	43.165	**66.75**	6/3/2003
NH-VPB-04	NS	11	11	NS	44.5		12/13/2001	38.715	**53.4**	6/23/1998
NH-VPB-05	3/15/2005	52	52	**62.3**	**57.85**		12/1/2004	18.245	**107.69**	9/14/2000
NH-VPB-06	NS	21	21	NS	**65.415**		6/15/1998	36.935	**98.79**	12/18/1996
NH-VPB-07	NS	38	38	NS	**56.6 J**		12/1/1999	2.581	**56.6 J**	12/1/1999
NH-VPB-08	3/15/2005	51	51	30.705	27.59		12/13/2004	9.61	**48.95**	1/30/1992
NH-VPB-09	NS	29	29	NS	8.366		3/6/2001	3.56	37.2465	6/6/2000
NH-VPB-10	NS	9	8	NS	0.7565		12/14/2004	0.7565	17.8	11/12/1992
NH-VPB-11	NS	8	8	NS	4.45		6/22/1998	1.513	15.13	10/19/1994
NH-VPB-12	NS	14	14	NS	44.5		12/13/2001	20.025	44.5	12/13/2001
NH-VPB-13	NS	6	6	NS	6.675		12/4/1995	6.675	**101.46**	9/6/1990
NH-VPB-14	NS	33	33	NS	**51.175**		3/15/2000	30.26	**72.98**	5/10/1995
PO-C01-195	3/24/2005	26	26	26.255	26.7		12/20/2004	24.475	35.066	8/29/1990
PO-C01-354	NS	16	0	NS	ND (0.05)		12/6/2004	ND (0.05)	ND (0.05)	12/6/2004
PO-C02-053	3/16/2005	45	45	39.605	44.5		12/6/2004	11.3475	**71.2**	6/13/2000
PO-C02-205	NS	19	19	NS	22.695		12/6/2004	19.09	**46.725**	12/20/2000
PO-C03-182	3/16/2005	47	47	32.04	30.705		12/8/2004	15.931	**50.285**	10/28/1994
PO-C03-235	NS	37	37	NS	24.03		12/8/2004	8.01	30.26	6/12/2003
PO-VPB-01	3/16/2005	54	54	39.16	39.16		12/7/2004	36.8015	**48.505**	10/3/1990
PO-VPB-02	3/24/2005	56	56	**53.4**	**53.4**		12/20/2004	37.56	**71.645**	8/27/1990
PO-VPB-03	3/24/2005	52	52	**48.95**	**48.95**		12/20/2004	21.805	**59.02**	6/7/2002
PO-VPB-04	NS	3	1	NS	ND (0.445) J		12/4/1992	1.78	1.78	11/14/1989
PO-VPB-05	NS	48	46	NS	24.03		12/7/2004	1.736	24.475	10/7/1998
PO-VPB-06	NS	18	18	NS	8.455		12/7/2004	2.4475 J	19.58	12/15/2000
PO-VPB-07	3/16/2005	45	45	43.61	42.72		12/20/2004	34.265	**175.33**	9/20/2000
PO-VPB-08	3/23/2005	52	52	8.455	14.685		12/20/2004	3.87	18.245	9/28/2004
PO-VPB-09	NS	3	2	NS	1.51		8/19/1993	1.51	1.513	11/15/1989
PO-VPB-10	NS	13	13	NS	**84.55**		12/17/2003	**53.4**	**84.55**	12/17/2003
PO-VPB-11	NS	2	1	NS	ND (1.76)		9/20/1990	2.804	2.804	11/16/1989
VD-VPB-01	NS	31	31	NS	**51.62**		12/8/2000	**51.62**	**80.545**	1/27/1995
VD-VPB-02	3/17/2005	57	56	**57.85**	**53.4**		9/2/2004	39.16	**72.09**	5/6/1992

TABLE 3-15

Maximum and Minimum Detected Nitrate Values - First Quarter 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (mg/L)	Previous Value (mg/L)	Change	Previous Date	Minimum Detected Value (mg/L)	Maximum Value (mg/L)	Date of Maximum Value
VD-VPB-03	3/17/2005	55	55	28.48	12.905	+1	12/9/2004	12.905	34.71	5/11/1993
VD-VPB-04	NS	43	43	NS	24.475		9/11/2003	4.895 J	35.155 J	2/27/1991
VD-VPB-05	NS	39	39	NS	44.038		9/9/2002	38.27 J	**86.78**	8/11/1993
VD-VPB-06	3/17/2005	57	57	42.72	**48.95**	-1	12/8/2004	35.16	**67.195**	11/1/1994
VD-VPB-07	3/17/2005	50	50	19.58	23.585	-1	12/8/2004	9.345	**47.615**	8/10/1992

Notes:

NS = Not sampled
ND (250) = Not detected (reporting limit)
µg/L = Micrograms per liter
J = Approximate concentration
Results greater than the MCL 45 mg/L are bolded
+1 = Value moved 1 concentration zone up from previous sample date.
-1 = Value moved 1 concentration zone down from previous sample date.

TABLE 3-16
Maximum and Minimum Detected Nitrate Values - Second Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (mg/L)	Previous Value (mg/L)	Change	Previous Date	Minimum Detected Value (mg/L)	Maximum Value (mg/L)	Date of Maximum Value
CS-C01-105	NS	43	43	NS	**48.95**		12/12/2003	1.068 J	**60.52**	12/13/2000
CS-C01-285	6/14/2005	53	53	25.81	25.81		3/21/2005	23.14 J	**71.645 J**	5/4/1992
CS-C01-558	NS	10	10	NS	2.67		12/2/2004	2.403	3.026 J	5/4/1992
CS-C02-062	6/15/2005	51	50	**53.4**	**66.75**	-1	3/22/2005	14.24	**71.2**	5/22/1990
CS-C02-180	6/15/2005	47	47	13.35	12.46		3/22/2005	4.228	43.61	5/21/1990
CS-C02-250	6/15/2005	51	51	21.36	20.47		3/22/2005	6.23	44.5	3/15/2004
CS-C02-335	6/15/2005	48	48	40.495	40.05		3/22/2005	11.57	**48.95**	11/20/1992
CS-C03-100	6/15/2005	55	55	**48.95**	**48.95**		3/23/2005	15.575	**59.185**	3/8/2001
CS-C03-325	NS	16	16	NS	9.79		12/2/2004	2.225	9.79	12/2/2004
CS-C03-465	6/15/2005	45	45	4.895	4.895		3/23/2005	3.516	36.49	3/15/2004
CS-C03-550	NS	13	13	NS	1.157		12/2/2004	0.934	8.455	12/12/1995
CS-C04-290	6/16/2005	48	47	11.57	11.125		3/23/2005	10.68	33.375	6/9/2000
CS-C04-382	6/16/2005	58	58	9.79	9.79		3/23/2005	5.79	19.58	5/25/1990
CS-C04-520	NS	10	9	NS	1.2015		12/2/2004	0.89 J	1.4685 J	5/7/1992
CS-C05-160	6/16/2005	50	50	30.705	26.255		3/24/2005	4.9	29.37	5/10/1993
CS-C05-290	6/16/2005	50	50	7.565	7.565		3/24/2005	3.83	24.03	3/28/1991
CS-C06-185	NS	40	39	NS	10.68		3/16/2005	6.93	14.24	5/15/1990
CS-C06-278	NS	11	5	NS	1.3795		12/6/2004	0.045 J	8.9	12/12/2000
CS-VPB-01	6/15/2005	35	35	44.055	44.055		3/22/2005	37.024	**48.06**	3/8/2001
CS-VPB-02	NS	51	51	NS	44.055		12/15/2004	32.93	**68.085**	6/12/2000
CS-VPB-03	6/14/2005	31	31	15.575	14.24		3/22/2005	4.895	14.24	3/22/2005
CS-VPB-04	6/16/2005	51	51	**53.4**	**53.4**		3/23/2005	1.691	**58.74**	8/5/1992
CS-VPB-05	6/16/2005	63	63	**53.4**	**48.95**		3/24/2005	31.061	**63.56**	6/5/2002
CS-VPB-06	NS	54	54	NS	40.05		3/24/2005	4.628	**53.4**	5/15/1990
CS-VPB-07	6/15/2005	63	63	32.485	36.045		3/22/2005	27.59	38.893	3/9/2001
CS-VPB-08	6/14/2005	38	38	41.385	39.605		3/22/2005	10.235	**48.6 J**	12/3/1999
CS-VPB-09	6/9/2005	34	34	**53.4**	**53.4**		3/16/2005	30.438	**55.625**	12/19/2000
CS-VPB-10	6/16/2005	59	58	**57.85**	**53.4**		3/24/2005	28.9695	**61.855 J**	5/13/1992
CS-VPB-11	NS	42	40	NS	**54.48**		1/6/2003	6.07 J	**72.09**	5/13/1992
NH-C01-325	NS	45	45	NS	**57.85**		3/15/2005	9.345	**133.5 J**	9/21/2001
NH-C01-450	NS	13	13	NS	13.35		12/10/2001	6.5	13.795	12/18/2000
NH-C01-660	NS	13	13	NS	8.455		11/30/2004	8.455	10.057 J	4/30/1992
NH-C01-780	NS	12	12	NS	7.12		11/30/2004	6.675	10.2795 J	4/30/1992
NH-C02-220	NS	28	28	NS	**53.4**		6/13/2001	33.375	**63.635**	8/15/1990
NH-C02-325	6/13/2005	46	46	18.69	17.8		3/21/2005	16.465	**54.74**	11/15/1993
NH-C02-520	6/13/2005	43	43	**53.4**	44.5	+1	3/21/2005	4.45	**76.54**	3/7/2001
NH-C02-681	NS	11	11	NS	1.6465		12/1/2004	1.513	3.3375 J	5/2/1992
NH-C03-380	6/13/2005	43	43	12.46	15.13		3/18/2005	5.34	40.94	6/7/2000
NH-C03-580	6/13/2005	50	50	24.475	25.365		3/18/2005	8.9	44.5	5/23/1990
NH-C03-680	6/8/2005	20	20	4.45	4.45		3/15/2005	1.958	10.68	12/12/2001
NH-C03-800	NS	12	11	NS	2.2695		12/3/2004	2.2695	4.54	1/11/2000

TABLE 3-16
Maximum and Minimum Detected Nitrate Values - Second Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (mg/L)	Previous Value (mg/L)	Change	Previous Date	Minimum Detected Value (mg/L)	Maximum Value (mg/L)	Date of Maximum Value
NH-C04-240	NS	41	40	NS	24.475		12/3/2004	7.74	24.475	12/3/2004
NH-C04-375	NS	13	13	NS	13.795		12/3/2004	2.225	**71.2**	3/21/1991
NH-C04-560	NS	11	7	NS	ND (0.05)		12/3/2004	0.2225	1.869 J	5/3/1992
NH-C05-320	NS	5	5	NS	**72.98**		12/4/2000	**62.745**	**89**	1/30/1991
NH-C05-460	6/13/2005	19	18	18.245	ND (0.445)	+1	3/18/2005	5.34	21.36	11/11/1992
NH-C06-160	6/8/2005	48	46	**71.2**	**66.75**		3/21/2005	**52.065**	**106.8**	12/6/2003
NH-C06-285	6/14/2005	17	17	41.83	40.05		3/21/2005	22.25	40.05	3/21/2005
NH-C06-425	NS	11	11	NS	12.46		12/1/2004	4.45	13.35	11/17/1992
NH-VPB-01	6/14/2005	58	58	**53.4**	**48.95**		3/21/2005	37.38	**67.195 J**	5/4/1992
NH-VPB-02	NS	18	18	NS	**80.1**		9/10/2003	32.93	**80.1**	9/10/2003
NH-VPB-03	NS	11	11	NS	**66.75**		6/3/2003	43.165	**66.75**	6/3/2003
NH-VPB-04	NS	11	11	NS	44.5		12/13/2001	38.715	**53.4**	6/23/1998
NH-VPB-05	6/8/2005	52	52	**84.55**	**62.3**	+1	3/15/2005	18.245	**107.69**	9/14/2000
NH-VPB-06	NS	21	21	NS	**65.415**		6/15/1998	36.935	**98.79**	12/18/1996
NH-VPB-07	NS	38	38	NS	**56.6 J**		12/1/1999	2.581	**56.6 J**	12/1/1999
NH-VPB-08	6/8/2005	51	51	33.82	30.705		3/15/2005	9.61	**48.95**	1/30/1992
NH-VPB-09	NS	29	29	NS	8.366		3/6/2001	3.56	37.2465	6/6/2000
NH-VPB-10	NS	9	8	NS	0.7565		12/14/2004	0.7565	17.8	11/12/1992
NH-VPB-11	NS	8	8	NS	4.45		6/22/1998	1.513	15.13	10/19/1994
NH-VPB-12	NS	14	14	NS	44.5		12/13/2001	20.025	44.5	12/13/2001
NH-VPB-13	NS	6	6	NS	6.675		12/4/1995	6.675	**101.46**	9/6/1990
NH-VPB-14	NS	33	33	NS	**51.175**		3/15/2000	30.26	**72.98**	5/10/1995
PO-C01-195	NS	26	26	NS	26.255		3/24/2005	24.475	35.066	8/29/1990
PO-C01-354	NS	16	0	NS	ND (0.05)		12/6/2004	ND (0.05)	ND (0.05)	12/6/2004
PO-C02-053	6/9/2005	45	45	36.935	39.605		3/16/2005	11.3475	**71.2**	6/13/2000
PO-C02-205	NS	19	19	NS	22.695		12/6/2004	19.09	**46.725**	12/20/2000
PO-C03-182	6/10/2005	47	47	32.04	32.04		3/16/2005	15.931	**50.285**	10/28/1994
PO-C03-235	NS	37	37	NS	24.03		12/8/2004	8.01	30.26	6/12/2003
PO-VPB-01	6/9/2005	54	54	39.16	39.16		3/16/2005	36.8015	**48.505**	10/3/1990
PO-VPB-02	NS	56	56	NS	**53.4**		3/24/2005	37.56	**71.645**	8/27/1990
PO-VPB-03	NS	52	52	NS	**48.95**		3/24/2005	21.805	**59.02**	6/7/2002
PO-VPB-04	NS	3	1	NS	ND (0.445) J		12/4/1992	1.78	1.78	11/14/1989
PO-VPB-05	NS	48	46	NS	24.03		12/7/2004	1.736	24.475	10/7/1998
PO-VPB-06	NS	18	18	NS	8.455		12/7/2004	2.4475 J	19.58	12/15/2000
PO-VPB-07	6/9/2005	45	45	**53.4**	43.61	+1	3/16/2005	34.265	**175.33**	9/20/2000
PO-VPB-08	NS	52	52	NS	8.455		3/23/2005	3.87	18.245	9/28/2004
PO-VPB-09	NS	3	2	NS	1.51		8/19/1993	1.51	1.513	11/15/1989
PO-VPB-10	NS	13	13	NS	**84.55**		12/17/2003	**53.4**	**84.55**	12/17/2003
PO-VPB-11	NS	2	1	NS	ND (1.76)		9/20/1990	2.804	2.804	11/16/1989
VD-VPB-01	NS	31	31	NS	**51.62**		12/8/2000	**51.62**	**80.545**	1/27/1995
VD-VPB-02	6/10/2005	57	56	**57.85**	**57.85**		3/17/2005	39.16	**72.09**	5/6/1992

TABLE 3-16

Maximum and Minimum Detected Nitrate Values - Second Quarter 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (mg/L)	Previous Value (mg/L)	Change	Previous Date	Minimum Detected Value (mg/L)	Maximum Value (mg/L)	Date of Maximum Value
VD-VPB-03	6/10/2005	55	55	22.695	28.48		3/17/2005	12.905	34.71	5/11/1993
VD-VPB-04	NS	43	43	NS	24.475		9/11/2003	4.895 J	35.155 J	2/27/1991
VD-VPB-05	NS	39	39	NS	44.038		9/9/2002	38.27 J	**86.78**	8/11/1993
VD-VPB-06	6/10/2005	57	57	31.15	42.72		3/17/2005	35.16	**67.195**	11/1/1994
VD-VPB-07	6/10/2005	50	50	31.595	19.58	+1	3/17/2005	9.345	**47.615**	8/10/1992

Notes:

NS = Not sampled
ND (250) = Not detected (reporting limit)
µg/L = Micrograms per liter
J = Approximate concentration
Results greater than the MCL 45 mg/L are bolded
+1 = Value moved 1 concentration zone up from previous sample date.
-1 = Value moved 1 concentration zone down from previous sample date.

TABLE 3-17
Maximum and Minimum Detected Nitrate Values - Third Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (mg/L)	Previous Value (mg/L)	Change	Previous Date	Minimum Detected Value (mg/L)	Maximum Value (mg/L)	Date of Maximum Value
CS-C01-105	NS	43	43	NS	**48.95**		12/12/2003	1.068 J	**60.52**	12/13/2000
CS-C01-285	9/16/2005	53	53	23.14	25.81		6/14/2005	23.14 J	**71.645 J**	5/4/1992
CS-C01-558	NS	10	10	NS	2.67		12/2/2004	2.403	3.026 J	5/4/1992
CS-C02-062	9/16/2005	51	50	**48.95**	**53.4**		6/15/2005	14.24	**71.2**	5/22/1990
CS-C02-180	9/16/2005	47	47	12.015	13.35		6/15/2005	4.228	43.61	5/21/1990
CS-C02-250	9/16/2005	51	51	20.025	21.36		6/15/2005	6.23	44.5	3/15/2004
CS-C02-335	9/16/2005	48	48	36.045	40.495		6/15/2005	11.57	**48.95**	11/20/1992
CS-C03-100	9/19/2005	55	55	43.165	**48.95**	-1	6/15/2005	15.575	**59.185**	3/8/2001
CS-C03-325	NS	16	16	NS	9.79		12/2/2004	2.225	9.79	12/2/2004
CS-C03-465	9/19/2005	45	45	4.361	4.895		6/15/2005	3.516	36.49	3/15/2004
CS-C03-550	NS	13	13	NS	1.157		12/2/2004	0.934	8.455	12/12/1995
CS-C04-290	9/19/2005	48	47	10.235	11.57		6/16/2005	10.68	33.375	6/9/2000
CS-C04-382	9/19/2005	58	58	8.455	9.79		6/16/2005	5.79	19.58	5/25/1990
CS-C04-520	NS	10	9	NS	1.2015		12/2/2004	0.89 J	1.4685 J	5/7/1992
CS-C05-160	9/21/2005	50	50	29.37	30.705		6/16/2005	4.9	30.705	6/16/2005
CS-C05-290	9/21/2005	50	50	7.565	7.565		6/16/2005	3.83	24.03	3/28/1991
CS-C06-185	9/19/2005	40	39	9.345	10.68		3/16/2005	6.93	14.24	5/15/1990
CS-C06-278	NS	11	5	NS	1.3795		12/6/2004	0.045 J	8.9	12/12/2000
CS-VPB-01	9/16/2005	35	35	40.94	44.055		6/15/2005	37.024	**48.06**	3/8/2001
CS-VPB-02	NS	51	51	NS	44.055		12/15/2004	32.93	**68.085**	6/12/2000
CS-VPB-03	9/21/2005	31	31	14.685	15.575		6/14/2005	4.895	15.575	6/14/2005
CS-VPB-04	9/19/2005	51	51	**48.95**	**53.4**		6/16/2005	1.691	**58.74**	8/5/1992
CS-VPB-05	9/21/2005	63	63	**53.4**	**53.4**		6/16/2005	31.061	**63.56**	6/5/2002
CS-VPB-06	9/19/2005	54	54	35.155	40.05		3/24/2005	4.628	**53.4**	5/15/1990
CS-VPB-07	9/21/2005	63	63	28.035	32.485		6/15/2005	27.59	38.893	3/9/2001
CS-VPB-08	9/19/2005	38	38	32.485	41.385		6/14/2005	10.235	**48.6 J**	12/3/1999
CS-VPB-09	9/21/2005	34	34	**53.4**	**53.4**		6/9/2005	30.438	**55.625**	12/19/2000
CS-VPB-10	9/19/2005	59	58	**53.4**	**57.85**		6/16/2005	28.9695	**61.855 J**	5/13/1992
CS-VPB-11	NS	42	40	NS	**54.48**		1/6/2003	6.07 J	**72.09**	5/13/1992
NH-C01-325	NS	45	45	NS	**57.85**		3/15/2005	9.345	**133.5 J**	9/21/2001
NH-C01-450	NS	13	13	NS	13.35		12/10/2001	6.5	13.795	12/18/2000
NH-C01-660	NS	13	13	NS	8.455		11/30/2004	8.455	10.057 J	4/30/1992
NH-C01-780	NS	12	12	NS	7.12		11/30/2004	6.675	10.2795 J	4/30/1992
NH-C02-220	NS	28	28	NS	**53.4**		6/13/2001	33.375	**63.635**	8/15/1990
NH-C02-325	9/15/2005	46	46	18.245	18.69		6/13/2005	16.465	**54.74**	11/15/1993
NH-C02-520	9/15/2005	43	43	**48.95**	**53.4**		6/13/2005	4.45	**76.54**	3/7/2001
NH-C02-681	NS	11	11	NS	1.6465		12/1/2004	1.513	3.3375 J	5/2/1992
NH-C03-380	9/15/2005	43	43	8.9	12.46		6/13/2005	5.34	40.94	6/7/2000
NH-C03-580	9/15/2005	50	50	14.685	24.475	-1	6/13/2005	8.9	44.5	5/23/1990
NH-C03-680	9/12/2005	20	20	4.45	4.45		6/8/2005	1.958	10.68	12/12/2001
NH-C03-800	NS	12	11	NS	2.2695		12/3/2004	2.2695	4.54	1/11/2000

TABLE 3-17
Maximum and Minimum Detected Nitrate Values - Third Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (mg/L)	Previous Value (mg/L)	Change	Previous Date	Minimum Detected Value (mg/L)	Maximum Value (mg/L)	Date of Maximum Value
NH-C04-240	NS	41	40	NS	24.475		12/3/2004	7.74	24.475	12/3/2004
NH-C04-375	NS	13	13	NS	13.795		12/3/2004	2.225	**71.2**	3/21/1991
NH-C04-560	NS	11	7	NS	ND (0.05)		12/3/2004	0.2225	1.869 J	5/3/1992
NH-C05-320	NS	5	5	NS	**72.98**		12/4/2000	**62.745**	**89**	1/30/1991
NH-C05-460	9/15/2005	19	18	20.47	18.245	+1	6/13/2005	5.34	21.36	11/11/1992
NH-C06-160	9/15/2005	48	46	**75.65**	**71.2**		6/8/2005	**52.065**	**106.8**	12/6/2003
NH-C06-285	9/15/2005	17	17	41.83	41.83		6/14/2005	22.25	41.83	6/14/2005
NH-C06-425	NS	11	11	NS	12.46		12/1/2004	4.45	13.35	11/17/1992
NH-VPB-01	9/16/2005	58	58	**48.95**	**53.4**		6/14/2005	37.38	**67.195 J**	5/4/1992
NH-VPB-02	NS	18	18	NS	**80.1**		9/10/2003	32.93	**80.1**	9/10/2003
NH-VPB-03	NS	11	11	NS	**66.75**		6/3/2003	43.165	**66.75**	6/3/2003
NH-VPB-04	NS	11	11	NS	44.5		12/13/2001	38.715	**53.4**	6/23/1998
NH-VPB-05	9/16/2005	52	52	**71.2**	**84.55**		6/8/2005	18.245	**107.69**	9/14/2000
NH-VPB-06	NS	21	21	NS	**65.415**		6/15/1998	36.935	**98.79**	12/18/1996
NH-VPB-07	NS	38	38	NS	**56.6 J**		12/1/1999	2.581	**56.6 J**	12/1/1999
NH-VPB-08	9/12/2005	51	51	33.82	33.82		6/8/2005	9.61	**48.95**	1/30/1992
NH-VPB-09	NS	29	29	NS	8.366		3/6/2001	3.56	37.2465	6/6/2000
NH-VPB-10	NS	9	8	NS	0.7565		12/14/2004	0.7565	17.8	11/12/1992
NH-VPB-11	NS	8	8	NS	4.45		6/22/1998	1.513	15.13	10/19/1994
NH-VPB-12	NS	14	14	NS	44.5		12/13/2001	20.025	44.5	12/13/2001
NH-VPB-13	NS	6	6	NS	6.675		12/4/1995	6.675	**101.46**	9/6/1990
NH-VPB-14	NS	33	33	NS	**51.175**		3/15/2000	30.26	**72.98**	5/10/1995
PO-C01-195	9/22/2005	26	26	24.92	26.255		3/24/2005	24.475	35.066	8/29/1990
PO-C01-354	NS	16	0	NS	ND (0.05)		12/6/2004	ND (0.05)	ND (0.05)	12/6/2004
PO-C02-053	9/13/2005	45	45	33.375	36.935		6/9/2005	11.3475	**71.2**	6/13/2000
PO-C02-205	NS	19	19	NS	22.695		12/6/2004	19.09	**46.725**	12/20/2000
PO-C03-182	9/13/2005	47	47	30.26	32.04		6/10/2005	15.931	**50.285**	10/28/1994
PO-C03-235	NS	37	37	NS	24.03		12/8/2004	8.01	30.26	6/12/2003
PO-VPB-01	9/13/2005	54	54	37.825	39.16		6/9/2005	36.8015	**48.505**	10/3/1990
PO-VPB-02	9/22/2005	56	56	**53.4**	**53.4**		3/24/2005	37.56	**71.645**	8/27/1990
PO-VPB-03	NS	52	52	NS	**48.95**		3/24/2005	21.805	**59.02**	6/7/2002
PO-VPB-04	NS	3	1	NS	ND (0.445) J		12/4/1992	1.78	1.78	11/14/1989
PO-VPB-05	NS	48	46	NS	24.03		12/7/2004	1.736	24.475	10/7/1998
PO-VPB-06	NS	18	18	NS	8.455		12/7/2004	2.4475 J	19.58	12/15/2000
PO-VPB-07	9/22/2005	45	45	44.5	**53.4**	-1	6/9/2005	34.265	**175.33**	9/20/2000
PO-VPB-08	9/22/2005	52	52	12.015	8.455		3/23/2005	3.87	18.245	9/28/2004
PO-VPB-09	NS	3	2	NS	1.51		8/19/1993	1.51	1.513	11/15/1989
PO-VPB-10	NS	13	13	NS	**84.55**		12/17/2003	**53.4**	**84.55**	12/17/2003
PO-VPB-11	NS	2	1	NS	ND (1.76)		9/20/1990	2.804	2.804	11/16/1989
VD-VPB-01	9/14/2005	31	31	**57.85**	**51.62**		12/8/2000	**51.62**	**80.545**	1/27/1995
VD-VPB-02	9/14/2005	57	56	**48.95**	**57.85**		6/10/2005	39.16	**72.09**	5/6/1992

TABLE 3-17

Maximum and Minimum Detected Nitrate Values - Third Quarter 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (mg/L)	Previous Value (mg/L)	Change	Previous Date	Minimum Detected Value (mg/L)	Maximum Value (mg/L)	Date of Maximum Value
VD-VPB-03	9/14/2005	55	55	24.03	22.695		6/10/2005	12.905	34.71	5/11/1993
VD-VPB-04	NS	43	43	NS	24.475		9/11/2003	4.895 J	35.155 J	2/27/1991
VD-VPB-05	NS	39	39	NS	44.038		9/9/2002	38.27 J	**86.78**	8/11/1993
VD-VPB-06	9/14/2005	57	57	40.05	31.15		6/10/2005	31.15	**67.195**	11/1/1994
VD-VPB-07	9/14/2005	50	50	31.15	31.595		6/10/2005	9.345	**47.615**	8/10/1992

Notes:

NS = Not sampled
ND (250) = Not detected (reporting limit)
µg/L = Micrograms per liter
J = Approximate concentration
Results greater than the MCL 45 mg/L are bolded
+1 = Value moved 1 concentration zone up from previous sample date.
-1 = Value moved 1 concentration zone down from previous sample date.

TABLE 3-18
Maximum and Minimum Detected Nitrate Values - Fourth Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (mg/L)	Previous Value (mg/L)	Change	Previous Date	Minimum Detected Value (mg/L)	Maximum Value (mg/L)	Date of Maximum Value
CS-C01-105	12/22/2005	43	43	**133.5**	**48.95**	+1	12/12/2003	1.068 J	**60.52**	12/13/2000
CS-C01-285	12/22/2005	53	53	23.585	23.14		9/16/2005	23.14	**71.645 J**	5/4/1992
CS-C01-558	12/15/2005	10	10	2.714	2.67		12/2/2004	2.403	3.026 J	5/4/1992
CS-C02-062	12/27/2005	51	50	**53.4**	**48.95**		9/16/2005	14.24	**71.2**	5/22/1990
CS-C02-180	12/27/2005	47	47	13.35	12.015		9/16/2005	4.228	43.61	5/21/1990
CS-C02-250	12/27/2005	51	51	20.47	20.025		9/16/2005	6.23	44.5	3/15/2004
CS-C02-335	12/27/2005	48	48	34.71	36.045		9/16/2005	11.57	**48.95**	11/20/1992
CS-C03-100	1/3/2006	55	55	**48.95**	43.165	+1	9/19/2005	15.575	**59.185**	3/8/2001
CS-C03-325	12/16/2005	16	16	1.202	9.79		12/2/2004	2.225	9.79	12/2/2004
CS-C03-465	1/3/2006	45	45	4.895	4.361		9/19/2005	3.516	36.49	3/15/2004
CS-C03-550	12/16/2005	13	13	11.125	1.157		12/2/2004	0.934	8.455	12/12/1995
CS-C04-290	12/29/2005	48	47	11.125	10.235		9/19/2005	10.235	33.375	6/9/2000
CS-C04-382	12/29/2005	58	58	9.345	8.455		9/19/2005	5.79	19.58	5/25/1990
CS-C04-520	12/16/2005	10	9	1.202	1.2015		12/2/2004	0.89 J	1.4685 J	5/7/1992
CS-C05-160	12/28/2005	50	50	28.925	29.37		9/21/2005	4.9	30.705	6/16/2005
CS-C05-290	12/28/2005	50	50	7.12	7.565		9/21/2005	3.83	24.03	3/28/1991
CS-C06-185	12/29/2005	40	39	9.345	9.345		9/19/2005	6.93	14.24	5/15/1990
CS-C06-278	12/16/2005	11	5	ND (0.445)	1.3795	-1	12/6/2004	0.045 J	8.9	12/12/2000
CS-VPB-01	12/28/2005	35	35	40.94	40.94		9/16/2005	37.024	**48.06**	3/8/2001
CS-VPB-02	12/16/2005	51	51	43.165	44.055		12/15/2004	32.93	**68.085**	6/12/2000
CS-VPB-03	12/28/2005	31	31	14.24	14.685		9/21/2005	4.895	15.575	6/14/2005
CS-VPB-04	12/29/2005	51	51	**53.4**	**48.95**		9/19/2005	1.691	**58.74**	8/5/1992
CS-VPB-05	12/28/2005	63	63	**53.4**	**53.4**		9/21/2005	31.061	**63.56**	6/5/2002
CS-VPB-06	12/29/2005	54	54	39.605	35.155		9/19/2005	4.628	**53.4**	5/15/1990
CS-VPB-07	12/28/2005	63	63	26.255	28.035		9/21/2005	27.59	38.893	3/9/2001
CS-VPB-08	12/29/2005	38	38	40.94	32.485		9/19/2005	10.235	**48.6 J**	12/3/1999
CS-VPB-09	12/16/2005	34	34	**53.4**	**53.4**		9/21/2005	30.438	**55.625**	12/19/2000
CS-VPB-10	12/29/2005	59	58	**57.85**	**53.4**		9/19/2005	28.9695	**61.855 J**	5/13/1992
CS-VPB-11	NS	42	40	NS	**54.48**		1/6/2003	6.07 J	**72.09**	5/13/1992
NH-C01-325	NS	45	45	NS	**57.85**		3/15/2005	9.345	**133.5 J**	9/21/2001
NH-C01-450	NS	13	13	NS	13.35		12/10/2001	6.5	13.795	12/18/2000
NH-C01-660	12/13/2005	13	13	8.455	8.455		11/30/2004	8.455	10.057 J	4/30/1992
NH-C01-780	12/13/2005	12	12	7.12	7.12		11/30/2004	6.675	10.2795 J	4/30/1992
NH-C02-220	NS	28	28	NS	**53.4**		6/13/2001	33.375	**63.635**	8/15/1990
NH-C02-325	12/22/2005	46	46	18.245	18.245		9/15/2005	16.465	**54.74**	11/15/1993
NH-C02-520	12/22/2005	43	43	30.705	**48.95**	-1	9/15/2005	4.45	**76.54**	3/7/2001
NH-C02-681	12/14/2005	11	11	1.691	1.6465		12/1/2004	1.513	3.3375 J	5/2/1992
NH-C03-380	12/14/2005	43	43	7.12	8.9		9/15/2005	5.34	40.94	6/7/2000
NH-C03-580	12/21/2005	50	50	11.125	14.685		9/15/2005	8.9	44.5	5/23/1990
NH-C03-680	12/14/2005	20	20	4.895	4.45		9/12/2005	1.958	10.68	12/12/2001
NH-C03-800	12/13/2005	12	11	2.314	2.2695		12/3/2004	2.2695	4.54	1/11/2000

TABLE 3-18
Maximum and Minimum Detected Nitrate Values - Fourth Quarter 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (mg/L)	Previous Value (mg/L)	Change	Previous Date	Minimum Detected Value (mg/L)	Maximum Value (mg/L)	Date of Maximum Value
NH-C04-240	12/15/2005	41	40	24.475	24.475		12/3/2004	7.74	24.475	12/3/2004
NH-C04-375	12/15/2005	13	13	20.47	13.795	+1	12/3/2004	2.225	**71.2**	3/21/1991
NH-C04-560	12/15/2005	11	7	ND (0.445)	ND (0.05)		12/3/2004	0.2225	1.869 J	5/3/1992
NH-C05-320	NS	5	5	NS	**72.98**		12/4/2000	**62.745**	**89**	1/30/1991
NH-C05-460	12/21/2005	19	18	17.8	20.47	-1	9/15/2005	5.34	21.36	11/11/1992
NH-C06-160	12/15/2005	48	46	**80.1**	**75.65**		9/15/2005	**52.065**	**106.8**	12/6/2003
NH-C06-285	12/21/2005	17	17	41.385	41.83		9/15/2005	22.25	41.83	9/15/2005
NH-C06-425	12/15/2005	11	11	12.015	12.46		12/1/2004	4.45	13.35	11/17/1992
NH-VPB-01	12/27/2005	58	58	**48.95**	**48.95**		9/16/2005	37.38	**67.195 J**	5/4/1992
NH-VPB-02	NS	18	18	NS	**80.1**		9/10/2003	32.93	**80.1**	9/10/2003
NH-VPB-03	NS	11	11	NS	**66.75**		6/3/2003	43.165	**66.75**	6/3/2003
NH-VPB-04	NS	11	11	NS	44.5		12/13/2001	38.715	**53.4**	6/23/1998
NH-VPB-05	12/14/2005	52	52	**71.2**	**71.2**		9/16/2005	18.245	**107.69**	9/14/2000
NH-VPB-06	NS	21	21	NS	**65.415**		6/15/1998	36.935	**98.79**	12/18/1996
NH-VPB-07	NS	38	38	NS	**56.6 J**		12/1/1999	2.581	**56.6 J**	12/1/1999
NH-VPB-08	12/14/2005	51	51	18.245	33.82	-1	9/12/2005	9.61	**48.95**	1/30/1992
NH-VPB-09	NS	29	29	NS	8.366		3/6/2001	3.56	37.2465	6/6/2000
NH-VPB-10	12/22/2005	9	8	1.112	0.7565		12/14/2004	0.7565	17.8	11/12/1992
NH-VPB-11	NS	8	8	NS	4.45		6/22/1998	1.513	15.13	10/19/1994
NH-VPB-12	NS	14	14	NS	44.5		12/13/2001	20.025	44.5	12/13/2001
NH-VPB-13	NS	6	6	NS	6.675		12/4/1995	6.675	**101.46**	9/6/1990
NH-VPB-14	NS	33	33	NS	**51.175**		3/15/2000	30.26	**72.98**	5/10/1995
PO-C01-195	1/3/2006	26	26	25.365	24.92		9/22/2005	24.475	35.066	8/29/1990
PO-C01-354	12/20/2005	16	0	ND (0.445)	ND (0.05)		12/6/2004	ND (0.05)	ND (0.05)	12/6/2004
PO-C02-053	12/19/2005	45	45	36.49	33.375		9/13/2005	11.3475	**71.2**	6/13/2000
PO-C02-205	12/19/2005	19	19	23.585	22.695		12/6/2004	19.09	**46.725**	12/20/2000
PO-C03-182	12/19/2005	47	47	30.705	30.26		9/13/2005	15.931	**50.285**	10/28/1994
PO-C03-235	12/19/2005	37	37	25.81	24.03		12/8/2004	8.01	30.26	6/12/2003
PO-VPB-01	12/19/2005	54	54	38.27	37.825		9/13/2005	36.8015	**48.505**	10/3/1990
PO-VPB-02	1/3/2006	56	56	**53.4**	**53.4**		9/22/2005	37.56	**71.645**	8/27/1990
PO-VPB-03	NS	52	52	NS	**48.95**		3/24/2005	21.805	**59.02**	6/7/2002
PO-VPB-04	NS	3	1	NS	ND (0.445) J		12/4/1992	1.78	1.78	11/14/1989
PO-VPB-05	12/20/2005	48	46	15.575	24.03	-1	12/7/2004	1.736	24.475	10/7/1998
PO-VPB-06	12/19/2005	18	18	12.015	8.455		12/7/2004	2.4475 J	19.58	12/15/2000
PO-VPB-07	1/3/2006	45	45	**48.95**	44.5	+1	9/22/2005	34.265	**175.33**	9/20/2000
PO-VPB-08	1/3/2006	52	52	12.46	12.015		9/22/2005	3.87	18.245	9/28/2004
PO-VPB-09	NS	3	2	NS	1.51		8/19/1993	1.51	1.513	11/15/1989
PO-VPB-10	NS	13	13	NS	**84.55**		12/17/2003	**53.4**	**84.55**	12/17/2003
PO-VPB-11	NS	2	1	NS	ND (1.76)		9/20/1990	2.804	2.804	11/16/1989
VD-VPB-01	12/2/2005	31	31	**57.85**	**57.85**		9/14/2005	**51.62**	**80.545**	1/27/1995
VD-VPB-02	12/20/2005	57	56	44.5	**48.95**	-1	9/14/2005	39.16	**72.09**	5/6/1992

TABLE 3-18

Maximum and Minimum Detected Nitrate Values - Fourth Quarter 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	Current Date	Total Number of Samples	Number of Detects	Current Value (mg/L)	Previous Value (mg/L)	Change	Previous Date	Minimum Detected Value (mg/L)	Maximum Value (mg/L)	Date of Maximum Value
VD-VPB-03	12/20/2005	55	55	25.81	24.03		9/14/2005	12.905	34.71	5/11/1993
VD-VPB-04	NS	43	43	NS	24.475		9/11/2003	4.895 J	35.155 J	2/27/1991
VD-VPB-05	NS	39	39	NS	44.038		9/9/2002	38.27 J	**86.78**	8/11/1993
VD-VPB-06	12/20/2005	57	57	**57.85**	40.05	+1	9/14/2005	31.15	**67.195**	11/1/1994
VD-VPB-07	12/20/2005	50	50	25.365	31.15		9/14/2005	9.345	**47.615**	8/10/1992

Notes:

NS = Not sampled
ND (250) = Not detected (reporting limit)
µg/L = Micrograms per liter
J = Approximate concentration
Results greater than the MCL 45 mg/L are bolded
+1 = Value moved 1 concentration zone up from previous sample date.
-1 = Value moved 1 concentration zone down from previous sample date.

TABLE 3-19
Summary of Nitrate Values - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	1st Qtr.			2nd Qtr.			3rd Qtr.			4th Qtr.		
	Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)	
CS-C01-105	NS			NS			NS			12/22/2005	**133.5**	+1
CS-C01-285	03/21/2005	25.8		06/14/2005	25.8		09/16/2005	23.1		12/22/2005	23.6	
CS-C01-558	NS			NS			NS			12/15/2005	2.7	
CS-C02-062	03/22/2005	**66.8**	+2	06/15/2005	**53.4**	-1	09/16/2005	**49**		12/27/2005	**53.4**	
CS-C02-180	03/22/2005	12.5		06/15/2005	13.4		09/16/2005	12		12/27/2005	13.4	
CS-C02-250	03/22/2005	20.5		06/15/2005	21.4		09/16/2005	20		12/27/2005	20.5	
CS-C02-335	03/22/2005	40		06/15/2005	40.5		09/16/2005	36		12/27/2005	34.7	
CS-C03-100	03/23/2005	**49**		06/15/2005	**49**		09/19/2005	43.2	-1	01/03/2006	**49**	+1
CS-C03-325	NS			NS			NS			12/16/2005	1.2	
CS-C03-465	03/23/2005	4.9		06/15/2005	4.9		09/19/2005	4.4		01/03/2006	4.9	
CS-C03-550	NS			NS			NS			12/16/2005	11.1	
CS-C04-290	03/23/2005	11.1		06/16/2005	11.6		09/19/2005	10.2		12/29/2005	11.1	
CS-C04-382	03/23/2005	9.8		06/16/2005	9.8		09/19/2005	8.5		12/29/2005	9.3	
CS-C04-520	NS			NS			NS			12/16/2005	1.2	
CS-C05-160	03/24/2005	26.3		06/16/2005	30.7		09/21/2005	29.4		12/28/2005	28.9	
CS-C05-290	03/24/2005	7.6		06/16/2005	7.6		09/21/2005	7.6		12/28/2005	7.1	
CS-C06-185	03/16/2005	10.7		NS			09/19/2005	9.3		12/29/2005	9.3	
CS-C06-278	NS			NS			NS			12/16/2005	ND (0.445)	-1
CS-VPB-01	03/22/2005	44.1		06/15/2005	44.1		09/16/2005	40.9		12/28/2005	40.9	
CS-VPB-02	NS			NS			NS			12/16/2005	43.2	
CS-VPB-03	03/22/2005	14.2		06/14/2005	15.6		09/21/2005	14.7		12/28/2005	14.2	
CS-VPB-04	03/23/2005	**53.4**	+1	06/16/2005	**53.4**		09/19/2005	**49**		12/29/2005	**53.4**	
CS-VPB-05	03/24/2005	**49**		06/16/2005	**53.4**		09/21/2005	**53.4**		12/28/2005	**53.4**	
CS-VPB-06	03/24/2005	40		NS			09/19/2005	35.2		12/29/2005	39.6	
CS-VPB-07	03/22/2005	36		06/15/2005	32.5		09/21/2005	28		12/28/2005	26.3	
CS-VPB-08	03/22/2005	39.6		06/14/2005	41.4		09/19/2005	32.5		12/29/2005	40.9	
CS-VPB-09	03/16/2005	**53.4**		06/09/2005	**53.4**		09/21/2005	**53.4**		12/16/2005	**53.4**	
CS-VPB-10	03/24/2005	**53.4**		06/16/2005	**57.8**		09/19/2005	**53.4**		12/29/2005	**57.8**	
CS-VPB-11	NS			NS			NS			NS		
NH-C01-325	03/15/2005	**57.8**		NS			NS			NS		
NH-C01-450	NS			NS			NS			NS		
NH-C01-660	NS			NS			NS			12/13/2005	8.5	
NH-C01-780	NS			NS			NS			12/13/2005	7.1	
NH-C02-220	NS			NS			NS			NS		
NH-C02-325	03/21/2005	17.8		06/13/2005	18.7		09/15/2005	18.2		12/22/2005	18.2	
NH-C02-520	03/21/2005	44.5		06/13/2005	**53.4**	+1	09/15/2005	**49**		12/22/2005	30.7	-1
NH-C02-681	NS			NS			NS			12/14/2005	1.7	
NH-C03-380	03/18/2005	15.1	-1	06/13/2005	12.5		09/15/2005	8.9		12/14/2005	7.1	
NH-C03-580	03/18/2005	25.4		06/13/2005	24.5		09/15/2005	14.7	-1	12/21/2005	11.1	
NH-C03-680	03/15/2005	4.4		06/08/2005	4.4		09/12/2005	4.4		12/14/2005	4.9	

TABLE 3-19
Summary of Nitrate Values - First, Second, Third and Fourth Quarters 2005
San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	1st Qtr.			2nd Qtr.			3rd Qtr.			4th Qtr.		
	Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)	
NH-C03-800	NS			NS			NS			12/13/2005	2.3	
NH-C04-240	NS			NS			NS			12/15/2005	24.5	
NH-C04-375	NS			NS			NS			12/15/2005	20.5	+1
NH-C04-560	NS			NS			NS			12/15/2005	ND (0.445)	
NH-C05-320	NS			NS			NS			NS		
NH-C05-460	03/18/2005	ND (0.445)	-1	06/13/2005	18.2	+1	09/15/2005	20.5	+1	12/21/2005	17.8	-1
NH-C06-160	03/21/2005	**66.8**		06/08/2005	**71.2**		09/15/2005	**75.7**		12/15/2005	**80.1**	
NH-C06-285	03/21/2005	40		06/14/2005	41.8		09/15/2005	41.8		12/21/2005	41.4	
NH-C06-425	NS			NS			NS			12/15/2005	12	
NH-VPB-01	03/21/2005	**49**		06/14/2005	**53.4**		09/16/2005	**49**		12/27/2005	**49**	
NH-VPB-02	NS			NS			NS			NS		
NH-VPB-03	NS			NS			NS			NS		
NH-VPB-04	NS			NS			NS			NS		
NH-VPB-05	03/15/2005	**62.3**		06/08/2005	**84.6**	+1	09/16/2005	**71.2**		12/14/2005	**71.2**	
NH-VPB-06	NS			NS			NS			NS		
NH-VPB-07	NS			NS			NS			NS		
NH-VPB-08	03/15/2005	30.7		06/08/2005	33.8		09/12/2005	33.8		12/14/2005	18.2	-1
NH-VPB-09	NS			NS			NS			NS		
NH-VPB-10	NS			NS			NS			12/22/2005	1.1	
NH-VPB-11	NS			NS			NS			NS		
NH-VPB-12	NS			NS			NS			NS		
NH-VPB-13	NS			NS			NS			NS		
NH-VPB-14	NS			NS			NS			NS		
PO-C01-195	03/24/2005	26.3		NS			09/22/2005	24.9		01/03/2006	25.4	
PO-C01-354	NS			NS			NS			12/20/2005	ND (0.445)	
PO-C02-053	03/16/2005	39.6		06/09/2005	36.9		09/13/2005	33.4		12/19/2005	36.5	
PO-C02-205	NS			NS			NS			12/19/2005	23.6	
PO-C03-182	03/16/2005	32		06/10/2005	32		09/13/2005	30.3		12/19/2005	30.7	
PO-C03-235	NS			NS			NS			12/19/2005	25.8	
PO-VPB-01	03/16/2005	39.2		06/09/2005	39.2		09/13/2005	37.8		12/19/2005	38.3	
PO-VPB-02	03/24/2005	**53.4**		NS			09/22/2005	**53.4**		01/03/2006	**53.4**	
PO-VPB-03	03/24/2005	**49**		NS			NS			NS		
PO-VPB-04	NS			NS			NS			NS		
PO-VPB-05	NS			NS			NS			12/20/2005	15.6	-1
PO-VPB-06	NS			NS			NS			12/19/2005	12	
PO-VPB-07	03/16/2005	43.6		06/09/2005	**53.4**	+1	09/22/2005	44.5	-1	01/03/2006	**49**	+1
PO-VPB-08	03/23/2005	8.5		NS			09/22/2005	12		01/03/2006	12.5	
PO-VPB-09	NS			NS			NS			NS		
PO-VPB-10	NS			NS			NS			NS		
PO-VPB-11	NS			NS			NS			NS		

TABLE 3-19

Summary of Nitrate Values - First, Second, Third and Fourth Quarters 2005

San Fernando Valley Basin - Groundwater Monitoring Program

Well ID	1st Qtr.			2nd Qtr.			3rd Qtr.		4th Qtr.		
	Sample Date	Value (µg/L)		Sample Date	Value (µg/L)		Sample Date	Value (µg/L)	Sample Date	Value (µg/L)	
VD-VPB-01	NS			NS			09/14/2005	**57.8**	12/02/2005	**57.8**	
VD-VPB-02	03/17/2005	**57.8**		06/10/2005	**57.8**		09/14/2005	**49**	12/20/2005	44.5	-1
VD-VPB-03	03/17/2005	28.5	+1	06/10/2005	22.7		09/14/2005	24	12/20/2005	25.8	
VD-VPB-04	NS			NS			NS		NS		
VD-VPB-05	NS			NS			NS		NS		
VD-VPB-06	03/17/2005	42.7	-1	06/10/2005	31.1		09/14/2005	40	12/20/2005	**57.8**	+1
VD-VPB-07	03/17/2005	19.6	-1	06/10/2005	31.6	+1	09/14/2005	31.1	12/20/2005	25.4	

Notes:

ND (250): Not detected (reporting limit)
NS = Not sampled
J = Approximate concentration
+1 = value moved 1 concentration zone up from previous sampling
-1 = value moved 1 concentration zone down from previous sampling
Results greather than the MCL 45 mg/L are bolded

SECTION 4

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