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Prepared for

McKesson Corporation
One Post Street
San Francisco, California 94104

SECOND FIVE-YEAR REVIEW
FORMER MCKESSON CHEMICAL COMPANY
9005 SORENSEN AVENUE
SANTA FE SPRINGS, CALIFORNIA

Prepared by

Geosyntec consultants
engineers | scientists | innovators

475 14th Street, Suite 400
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HA0620

19 February 2007

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McKESSON
Empowering Healthcare

21 February 2007

Lori Parnass, Project Manager
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Subject: Second Five-Year Review Report
Former McKesson Chemical Facility
9005 Sorensen Avenue
Santa Fe Springs, California 90670

Dear Ms. Parnass:

This letter transmits the subject document, which were prepared following our discussion at our meeting of October 19, 2006. If you have any questions or require further information, please do not hesitate to contact me at (608) 848-4134.

Sincerely,

Jean A. Mescher

Enclosures

cc: John Edgcomb, Esq.

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Santa Fe Springs, California

Prepared by

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LIST OF ABBREVIATIONS

AST	aboveground storage tank
bgs	below ground surface
Cal-EPA	California Environmental Protection Agency
COCs	chemicals of concern
CHHSLs	California Human Health Screening Levels
1,1-DCE	1,1-dichloroethene
1,2-DCE	1,2-dichloroethene
1,1-DCA	1,1-dichloroethane
1,2-DCA	1,2- dichloroethane
DHS	Department of Health Services
DTSC	California Department of Toxic Substances Control
FS	Feasibility Study
gpm	gallons per minute
IRM	interim remediation measure
IPA	isopropyl alcohol
MCLs	California Maximum Contaminant Levels
msl	mean sea level
MEK	methyl ethyl ketone
µg/L	microgram per liter
RWQCB	California Regional Water Quality Control Board, Los Angeles Region
SVE	soil vapor extraction
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
PCE	tetrachloroethene
RAP	Remedial Action Plan
RI	Remedial Investigation
ROI	radius of influence
1,1,1-TCA	1,1,1-trichloroethane
TCE	trichloroethene
UST	underground storage tank
U.S. EPA	U.S. Environmental Protection Agency
VOCs	volatile organic compounds

EXECUTIVE SUMMARY

This Second Five-Year Review Report was prepared by Geosyntec Consultants, Inc. (Geosyntec) on behalf of McKesson Corporation (McKesson) for remediation at the former McKesson Facility at 9005 Sorensen Avenue in Santa Fe Springs, California (the Site). This Second Five-Year Review Report was requested by the California Department of Toxic Substances Control (DTSC) to evaluate the progress of remediation of volatile organic compounds (VOCs) present in the subsurface beneath the Site. McKesson entered into a Consent Order with the California Department of Health Services (DHS, now the DTSC) under the Health and Safety Code, Section 25355.5(a)(1)(B), and (C) (Docket No. 89/90-007) on 8 January 1990.

McKesson submitted the first Five-Year Review for the Site for the period 1994 through 1999 to DTSC in June 2000. A Revised Five-Year Review Report was submitted on 14 November 2000. This Second Five-Year Review Report is for the period 2000 through 2004. For completeness, information is also presented for 2005 and 2006.

Site Chronology and Background

McKesson Chemical Company, a former division of McKesson, leased the Site and operated a bulk chemical repackaging facility from 1976 to 1986. Chemicals were stored in both aboveground and underground storage tanks (ASTs and USTs, respectively) and piped to packaging areas. Bulk chemicals were transported to and from the facility by truck and rail.

Operations at the facility ceased in November 1986 as a result of McKesson's sale of substantially all of the assets of its chemical company. At the time of closure, all USTs and ASTs were emptied. McKesson began investigations at the Site in June 1984. A Revised Remedial Investigation (RI), including a Baseline Risk Assessment, and a Feasibility Study (FS) for soil were completed in 1992 and approved by DTSC. A Remedial Action Plan (RAP) for soil was approved by DTSC in 1993 and soil remediation efforts began in 1994. An Interim Remedial Measure (IRM) Workplan for groundwater was approved by DTSC in 1996 and groundwater remediation efforts began in 1998. All investigative and remedial activities have been overseen by DTSC.

Groundwater at the Site and vicinity has been identified in three zones to a depth of 140 feet bgs: the shallow zone, the A zone (subdivided into the A_1 and A_2 zones), and the B zone. Groundwater in the A_1 zone ranges in elevation from its current level of approximately 95 feet above msl to past maximum elevations of 120 feet above msl. Since 1991, the groundwater flow direction generally has been observed to be toward the southwest in the A_1, A_2, and B zones.

Forty-four ASTs were situated on the Site within the four areas of operations (HLA, 1992). The tanks were located within 2- to 3-foot high concrete containment berms and separated by internal dike walls. These tanks were reported to contain solvents (tetrachloroethylene [PCE], methylene chloride, 1,1,1-trichloroethane [1,1,1-TCA], trichloroethylene [TCE]); glycols; isopropyl alcohol; Freon-113; acids, and hydroxides. Based on the results of the RI, the chemicals of concern (COCs) in soil and groundwater were identified as follows:

- 1,1,1-TCA;
- PCE;
- TCE;
- Methylene chloride;
- 1,1-Dichloroethene (1,1-DCE);
- 1,2-Dichloroethene (1,2-DCE);
- 1,1-Dichloroethane (1,1-DCA);
- 1,2-Dichloroethane (1,2-DCA); and
- Vinyl chloride.

The environmental investigations indicated the presence of these VOCs in soil, with the highest concentrations detected in the soil column beneath the former solvent AST area. The highest VOC concentrations in groundwater were also found beneath the former solvent AST area.

VOCs have also been detected in monitoring wells located upgradient and transgradient of the former solvent AST area, indicating contributions from off-Site sources. Sources

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of VOCs from upgradient off-Site areas, the former Angeles Chemical Site and the Omega Superfund Site, likely contribute to the low concentrations of VOCs that are detected in the lower A_2 sand zones as well as in the A_1 zone.

Remedial Actions

Based on the findings of the RI and FS, a remedy was selected for soil remediation at the Site. The remedy, soil vapor extraction, was initiated in March 1994, as described in the Final RAP, and continues to operate today. In 1996, DTSC approved a workplan to develop an IRM for groundwater containment by extraction from an A_1 zone well (EW-1) at the Site, which was implemented in 1998 and continues to operate today.

Progress Since Last Five-Year Review

The following summarizes activities performed at the Site for the years 2000 through 2006:

- Site-wide soil gas survey in October 2001 – 25 locations at three depths (5, 10, and 20 feet bgs).
- Installation of A_1 zone monitoring well MW-05 downgradient of groundwater extraction well EW-1 in October 2001 to evaluate the extent of hydraulic capture provided by EW-1.
- Addition of two soil vapor extraction wells to the SVE system in 2003.
- Addition of five on-Site shallow zone monitoring wells in 2003.
- Collection of soil chemistry data in the former solvent AST area in 2003 and comparison to pre-remediation soil chemistry data.
- Addition to the extraction network of one A_1 zone well adjacent to the former solvent AST area for enhanced capture and VOC mass removal from A_1 zone groundwater in 2004.
- Off-Site Investigation – collection of groundwater samples and CPT data from 12 locations upgradient and downgradient of the site, at multiple depths in the A_1 zone in 2005.

- Addition to the SVE network of one well and to the groundwater extraction network of one well in the former solvent AST area for enhanced VOC mass removal in 2006.
- Removal of an additional approximately 8,600 pounds of VOCs from soil at the Site in the period of October 2000 to December 2006.
- Capture of impacted groundwater for containment, and removal of an additional approximately 2,400 pounds of VOCs from approximately 49,000,000 gallons of extracted groundwater, in the period of October 2000 to December 2006.

Technical Assessment

Issue 1. Is the remedy functioning as intended by the decision documents?

The objective for on-Site soil remediation was to reduce concentrations of VOCs in soil to levels that, when partitioned to groundwater, result in groundwater VOC concentrations that are protective of groundwater quality. While mass removal through SVE has been significant, remaining concentrations of VOCs in fine-grained soils present an ongoing source of VOCs to groundwater. Continued SVE will likely achieve additional reductions in VOC mass; however, the rate of mass removal will continue to be relatively low.

The objective for the groundwater IRM is to contain and extract affected groundwater within the A_1 zone that was migrating directly from the former solvent AST area. This containment remedy is functioning as intended. Additional extraction wells adjacent to and in the former solvent AST area have been added to the system to enhance containment and mass removal.

If no modifications to the current remediation program are made, cleanup of VOCs from soil and groundwater at the Site will take many decades. The most significant actions that would affect cleanup time are removal of VOC mass from the fine-grained soils in the former solvent AST area and containment of VOCs emanating from upgradient sources, including the adjacent former Angeles Chemical site. Once these two actions are completed, then final remedies for groundwater can be evaluated and implemented.

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Issue 2. Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives (RAOs) used at the time of the remedy still valid?

The assumptions, toxicity data, cleanup levels, and RAOs for soil and groundwater remediation are the same, with the exception of the evaluation of the vapor intrusion pathway for potential future occupancy of the Site. The Site is currently unoccupied; however, the vapor intrusion pathway will need to be re-evaluated to protect Site occupants if the Site is to be redeveloped.

Issue 3. Has any other information come to light that could call into question the protectiveness of the remedy?

The risk-based cleanup levels that were calculated for the Site in 1992 reflected the standard of the practice at that time; however current practice includes evaluating the vapor intrusion pathway. This exposure pathway is not currently complete at the Site because it is vacant. It is likely that final cleanup levels for soil at the Site will be primarily driven by this pathway.

Issues and Recommendations

The following issues and recommendations identified in this Second Five-Year Review.

Issue 1 - Residual On-Site Soil Concentrations

Remediation of VOCs in soil and groundwater at the Site is limited by chemical sorption to and desorption from fine-grained soil. Sorption effects are stronger in fine-grained soils with higher clay content. Desorption rates are affected by concentration gradients, such that chemicals will desorb or partition from soil (both in the vadose zone and in the saturated zones) more slowly as the concentrations are reduced in the air space surrounding the soil particles or reduced in the groundwater surrounding the soil particles. With SVE and groundwater extraction technologies, many pore volumes of air or groundwater are required to pass by the soil particles to reduce concentrations in soil and groundwater to cleanup levels. Cleanup of groundwater to drinking water standards is generally considered infeasible as long as sources of VOCs in soil and/or in upgradient groundwater remain.

Due to the presence of residual levels of VOCs in fine-grained soil beneath the former solvent AST area, the progress of the soil remedy is slower than anticipated. While the SVE has removed a significant amount of VOC mass from the coarse-grained soils, significant concentrations remain in the fine-grained soils. SVE alone is not expected to remove these VOCs for many decades due to the sorption/desorption effects described above and because little airflow is likely to be occurring within these fine-grained soils. Additional technologies have been developed since the approval of the RAP, however, that could prove more successful in removing these residual VOCs.

Recommendation - Residual On-Site Soil Concentrations

In order to evaluate options for accelerated mass removal from fine-grained soil, evaluation of additional technologies for remediation of these fine-grained soils in the form of a Supplemental Feasibility Study is recommended.

Issue 2 - Upgradient Sources

Due to the presence of upgradient sources of VOCs in groundwater, ongoing containment of Site groundwater is an appropriate interim remedy. Groundwater from the A_1 zone has been contained at the Site since 1998. While the groundwater extraction and treatment system has contained contaminated groundwater and removed a significant amount of VOC mass, final cleanup of groundwater cannot be achieved until upgradient sources at the former Angeles Chemical site are controlled and/or remediated.

Recommendation - Upgradient Sources

Continue the groundwater IRM until the on-Site VOC source in soil is fully remediated and the upgradient groundwater at the former Angeles Chemical site is controlled and/or remediated.

Protectiveness Statement

The remedies currently being implemented at the Site are protective of human health and the environment because the VOCs in groundwater at the Site are contained by the groundwater extraction and treatment IRM. A significant mass of VOCs in soil has been removed by soil vapor extraction and treatment; and the remaining VOCs in soil and groundwater do not present a threat to surface users because the Site remains vacant and locked.

The implemented remedies, if unchanged, would continue to be protective of human health and the environment in the long term: however additional measures are recommended to improve VOC mass removal in the fine-grained soil beneath the former solvent AST area.

1. INTRODUCTION

This Second Five-Year Review Report was prepared by Geosyntec Consultants, Inc. (Geosyntec) on behalf of McKesson Corporation (McKesson) for remediation at the former McKesson Facility at 9005 Sorensen Avenue in Santa Fe Springs, California (the Site), located as shown on Figure 1. This Second Five-Year Review Report was requested by the California Department of Toxic Substances Control (DTSC) to evaluate the progress of remediation of volatile organic compounds (VOCs) present in the subsurface beneath the Site. McKesson entered into a Consent Order with the California Department of Health Services (DHS, now the DTSC) under the Health and Safety Code, Section 25355.5(a)(1)(B), and (C) (Docket No. 89/90-007) on 8 January 1990.

McKesson submitted the first Five-Year Review for the Site for the period 1994 through 1999 to DTSC in June 2000. A Revised Five-Year Review Report was submitted on 14 November 2000. This Second Five-Year Review Report is for the period 2000 through 2004. For completeness, information is also presented for 2005 and 2006.

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2. SITE CHRONOLOGY

According to historical aerial photographs, the Site was undeveloped before 1975, although the main railroad line north of the Site has been present since 1927. McKesson Chemical Company, a former division of McKesson, leased the Site and operated a bulk chemical repackaging facility from 1976 to 1986. Chemicals were stored in both aboveground and underground storage tanks (ASTs and USTs, respectively) and piped to packaging areas (Figure 2). Bulk chemicals were transported to and from the facility by truck and rail.

Operations at the facility ceased in November 1986 as a result of McKesson's sale of substantially all of the assets of its chemical company. At the time of closure, all USTs and ASTs were emptied. McKesson continued to lease the property in order to perform the investigation and remediation activities, and purchased the property in 2006.

The Site has been largely vacant since operations ceased in 1986, with the exception of the period from August 2003 to September 2004, when a portion of the Site was leased to a concrete and asphalt recycling company. All tanks have been removed, and remediation/removal of VOCs from soil and groundwater is currently ongoing. The Site is fully fenced and locked.

McKesson began investigations at the Site in June 1984. A Revised Remedial Investigation (RI) including a Baseline Risk Assessment, and a Feasibility Study (FS) for soil, were completed in 1992 and approved by DTSC. A Remedial Action Plan (RAP) for soil was completed and approved by DTSC in 1993 and soil remediation efforts began in 1994. An Interim Remedial Measure (IRM) Workplan for groundwater was approved by DTSC in 1996 and groundwater remediation efforts began in 1998. All investigative and remedial efforts have been overseen by DTSC.

A summary of the Site chronology is presented below.

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Chronology of Site Events, 9005 Sorenson Avenue, Santa Fe Springs, California

EVENT	DATE
McKesson begins operation of bulk chemical repackaging facility	1976
Preliminary Assessment of facility submitted to U.S. EPA	1984
Initial Site Investigation	June 1984
RCRA Part B Permit for hazardous waste storage area issued	1985
Further investigation of solvent AST area	March 1986
McKesson ceases operation of bulk repackaging facility	November 1986
Consent Agreement between McKesson and DHS (Docket No. 89/90-007)	8 January 1990
McKesson Corporation Site Fact Sheet	March 1990
Public Participation Plan – Remedial Investigation and Feasibility Study	April 1990
Remedial Investigation – Field Investigation	June 1990 to October 1992
DTSC certification of closure of hazardous waste storage area	August 1990
Initiation of groundwater monitoring in regional aquifer	August 1990
Completion of Removal – aboveground storage tanks	December 1990
Revised Remedial Investigation Report completed	October 1992
Feasibility Study Report completed	October 1992
Baseline Risk Assessment Report completed	November 1992
DTSC Approval of Remedial Investigation / Feasibility Study	24 November 1992
Fact Sheet – Cleanup Plan for Soil	March 1993
Remedial Action Plan for On-Site Soil	April 1993
DTSC Approval of Remedial Action Plan for Soil	6 May 1993
Initiation of Purus Soil Vapor Extraction System	March 1994
DTSC Approval of Interim Remediation Measure (IRM) for Groundwater	July 1995
Removal of underground storage tanks	May 1996
DTSC Approval of Final Work Plan for IRM for Groundwater	October 1996
Construction of IRM for Groundwater begins	January 1998

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Chronology of Site Events, 9005 Sorenson Avenue, Santa Fe Springs, California (continued)

EVENT	DATE
Initiation of groundwater extraction	March 1998
Supplemental Health Risk Assessment for Indoor and Outdoor Air	June 1999
Bioremediation Pilot Study for Groundwater	December 1999
First Five-Year Review of Remediation Progress	June 2000
Additional Site Investigation - Soil Gas Survey	December 2001
Enhancement of SVE	July 2003
Enhancement of IRM for Groundwater	June 2004
Off-Property Investigation	December 2004 – February 2005
Enhancements of SVE and IRM for Groundwater	September 2006

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3. BACKGROUND

3.1 Physical Characteristics

The Site is located in an industrial area in the City of Santa Fe Springs, California (Figure 1). The Site consists of approximately 4.3 acres; a vacant 11,000-square foot concrete masonry building, a portion of which is used for remediation equipment; a 150-square-foot vacant former yard office; and railroad spurs on the north and west sides of the property (Figure 3). The Site is partially paved with asphalt and concrete, and is surrounded by a 6-foot high chain link fence, except for the south side, which has a block wall. Photographs of the Site are included in Appendix A. The area topography slopes gently to the south, at an elevation of approximately 150 feet above mean sea level (msl).

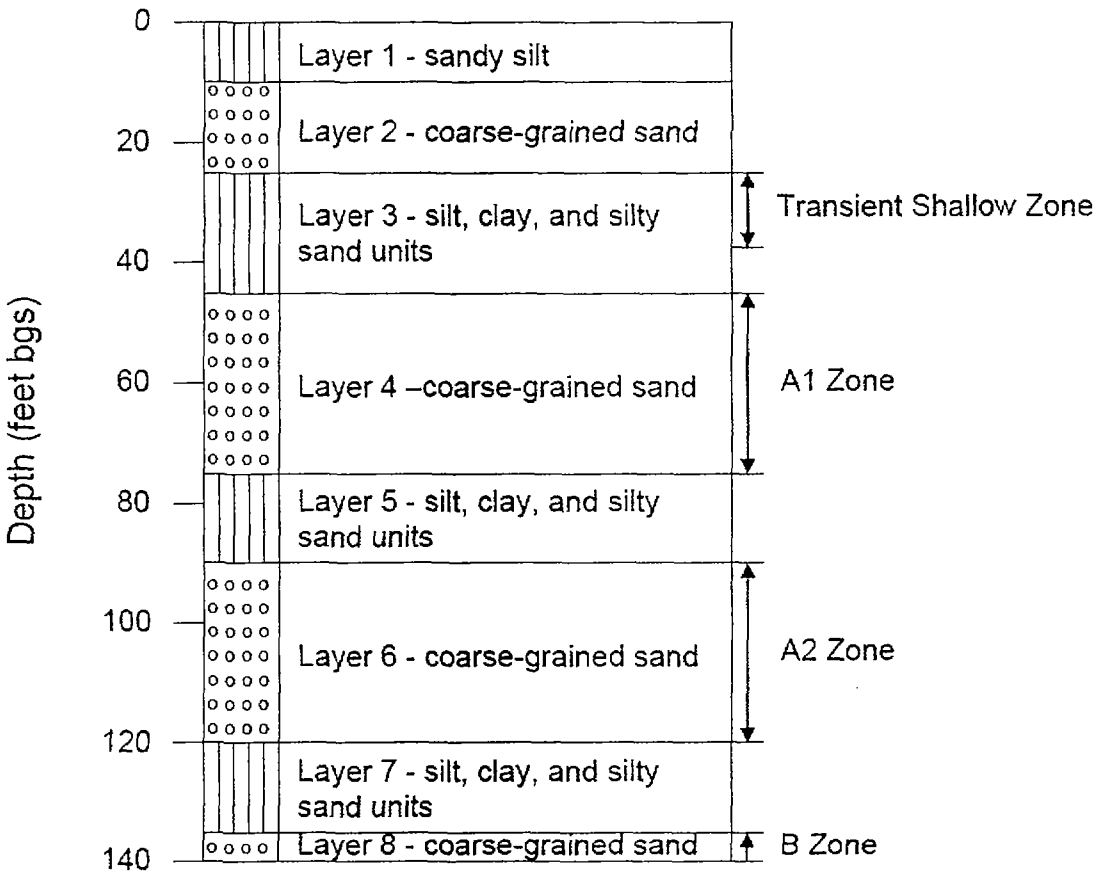
The semi-arid Mediterranean climate of the area ranges from warm to hot summers to mild winters with moderate precipitation. Rainfall averages approximately 10 to 15 inches annually and occurs primarily between November and April. Vegetation is characterized by native alluvial sage scrub and non-indigenous, introduced species.

3.1.1 Geology

The Site is located on the Santa Fe Springs Plain, a gently rolling physiographic feature within the Los Angeles Coastal Plain (Coastal Plain), south of the Puente Hills and east of the San Gabriel River (Figure 4). The Coastal Plain is underlain by a sequence of alluvial sediments near the foothills and interfingering marine sediments that thicken toward the Pacific Ocean. In the Site vicinity, the upper 50 feet of sediments consist of fluvial deposits of clay, silt, sand, and gravel, which are characterized as the Lakewood Formation (CDWR, 1961). Underlying the Lakewood Formation are deposits of silt, silty sand, sand, and gravel of the San Pedro Formation, which range in thickness from 700 to 800 feet (CDWR, 1961).

The geology underlying the Site and vicinity consists of a sequence of clay, silt, silty sand, and sand layers to a depth of at least 140 feet below ground surface (bgs). The stratigraphic layers in the upper 140 feet of the Site and vicinity are fairly consistent and can be generalized as shown below.

Generalized Site Hydrology



3.1.2 Hydrogeology

The Coastal Plain is divided into four groundwater basins. The Santa Fe Springs Plain area lies within the Central Basin (Figure 4). The hydrogeology of the Central Basin has been extensively documented as a result of groundwater basin adjudication required by a 1965 Superior Court judgment (California Department of Water Resources, 1991). The judgment was amended in 1991 to provide exemptions for extraction of groundwater for remediation (California Department of Water Resources, 1994).

A regional cross-section depicting the aquifers in the Site vicinity is shown on Figure 5. As the figure illustrates, the shallowest aquifers in the region are the Gaspur and Gage

Aquifers, which extend to a depth of approximately 50 feet bgs and are part of the Lakewood Formation. These aquifers are underlain by the Hollydale Aquifer, which is the uppermost aquifer of the San Pedro Formation. The Hollydale Aquifer is approximately 70 feet thick in the Site vicinity and extends to a depth of approximately 120 feet bgs. The Hollydale Aquifer is underlain by an aquitard, which is underlain by the Jefferson Aquifer, approximately 40 feet thick and extending to a depth of 175 feet. The Jefferson Aquifer is underlain by an aquitard, which is underlain by the Lynwood Aquifer, approximately 75 feet thick and extending to a depth of 275 feet. The Lynwood Aquifer is underlain by an aquitard, which is underlain by the Silverado Aquifer, approximately 200 feet thick and extending to a depth of 575 feet. The Silverado Aquifer is underlain by an aquitard, which is underlain by the Sunnyside Aquifer, approximately 275 feet thick and extending to a depth of 875 feet. The Lynwood, Silverado, and Sunnyside Aquifers are the primary water-producing aquifers in the Site region.

Groundwater at the Site and vicinity has been identified in three zones to a depth of 140 feet bgs: the shallow zone, the A zone (subdivided into the A_1 and A_2 zones), and the B zone. The three zones, which are illustrated above, are characterized by the following depth intervals beneath the Site:

- The shallow zone is a silty sand unit that is part of the Gage Aquifer and is present between depths of approximately 25 and 35 feet bgs;
- The A_1 zone is a sand unit that is part of the Hollydale Aquifer and is present between depths of approximately 45 and 75 feet;
- The A_2 zone is a sand unit that is also part of the Hollydale Aquifer and is present between depths of approximately 90 and 120 feet bgs; and
- The B zone is a sand unit that is part of the Jefferson Aquifer and is present at depths greater than 135 feet bgs.

With the exception of one shallow well at the northeast corner of the Site, groundwater is present in a transient state in the shallow groundwater zone only after periods of significant rainfall. When present, groundwater in the shallow zone ranges in elevation from 112 to 116 feet above mean sea level (msl). Figure 6, which presents plots of the

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water levels in shallow wells and rainfall at the Site, illustrates the transient nature of groundwater in this zone.

Groundwater in the A_1 zone ranges in elevation from its current level of approximately 95 feet above msl to past maximum elevations of 120 feet above msl. Figure 7 illustrates the water level fluctuations that have been observed in A_1 zone wells for the past 15 years. Groundwater elevations in the A_2 zone, illustrated on Figure 8, are similar to those in the A_1 zone. Since 1991, the groundwater flow direction generally has been observed to be toward the southwest in the A_1, A_2, and B zones.

3.2 Land and Resource Use

The land in the City of Santa Fe Springs was used mainly for agriculture prior to about 1945, at which time development for industrial, commercial or residential use began. Currently, the land surrounding the site is zoned primarily for industrial development (Figure 9).

Adjacent features and properties include:

DIRECTION FROM SITE	PROPERTIES AND FEATURES
North	Unlined drainage channel Southern Pacific railroad easement Angeles Chemical Company former chemical facility
East	Sorensen Avenue Sorensen Business Park (industrial complex)
West	Southern Pacific railroad easement Liquid Air Corporation
South	Wessex Industries

The Site is located approximately 2 miles east of the San Gabriel River and approximately ½ mile north of the Santa Fe Springs Oil Field, in an area of heavy industrial use, including chemical manufacturing and distribution.

Groundwater beneath the Site within the zones that have been investigated for VOC concentrations is characterized by relatively high total dissolved solids and is not used

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for water supply. The City of Santa Fe Springs has production wells for water supply that draw from aquifers including the Lynwood, the Silverado, and the Sunnyside Aquifers, which are found at depths below 200 feet bgs (Figure 5). The nearest active well to the Site (Santa Fe Springs Well No. 1) is approximately 1/2 mile northwest of the Site.

As shown on Figure 9, the nearest residential areas are located one mile west and south of the Site.

3.3 Chemical Use and Distribution in Soil and Groundwater

3.3.1 Chemical Use

McKesson Chemical Company, a former division of McKesson, operated the bulk chemical repackaging facility from 1976 to 1986. Chemicals were stored in both ASTs and USTs and piped to packaging areas (Figure 2). Bulk chemicals were transported to and from the facility by truck and rail. The facility was organized into four areas for the purpose of chemical packaging:

- A solvent repack area;
- A corrosive repack area;
- A hydrogen peroxide repack area; and
- A Freon blending area.

Forty-four ASTs were situated on the Site within the four areas of operations (HLA, 1992). The tanks were located within 2- to 3-foot high concrete containment berms and separated by internal dike walls. These tanks were reported to contain solvents (tetrachloroethylene [PCE], methylene chloride, 1,1,1-trichloroethane [1,1,1-TCA], trichloroethylene [TCE]); glycols; isopropyl alcohol; Freon-113; acids, and hydroxides. Twenty-three USTs were predominantly located adjacent to the former solvent AST area (Figure 2). The USTs were reported to contain diesel, methanol, toluene, xylene, acetone, methyl ethyl ketone, and isopropyl alcohol. A summary (including size, capacity, construction, and contents) of the ASTs and USTs that were present at the Site is included in the RI Report (HLA, 1992). Railroad spurs were located along the northern and western boundaries of the Site (Figure 2). Loading platforms and

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underground distribution lines were associated with the offloading of chemicals delivered via the railroad spurs (HLA, 1992).

The facility contained a drum-storage area that was designated for the on-Site storage of hazardous waste. In September 1985, the DTSC issued a Resource Conservation and Recovery Act (RCRA) Part B Hazardous Waste Facility Permit for the drum storage area. DTSC approved closure of the drum storage area in 1990.

3.3.2 Distribution of Chemicals in Soil and Groundwater

Extensive characterization has been performed at the Site since the mid-1980s. An initial Site investigation around the former solvent AST area was conducted in March 1986 (McKesson, 1986). The investigation included completion of three slant borings (SB1, SB2, SB3), installation of four monitoring wells (PIMW-1 through PIMW-4), and laboratory analysis of six soil samples and three groundwater samples. VOCs, primarily chlorinated solvents, were detected in the soil and groundwater samples collected from the borings and monitoring wells. Groundwater levels were measured at a depth of approximately 25 feet bgs and indicated a flow direction to the southwest. Based on the results of the initial investigation, McKesson recommended conducting additional investigation activities.

During the RI performed by Harding Lawson Associates (HLA) between June 1990 and February 1991, 41 soil borings were drilled and sampled and 18 groundwater monitoring wells were installed on the Site (Figure 10). Soil samples were analyzed for VOCs, semi-volatile compounds, glycols, petroleum hydrocarbons, pH, and selected ions and metals. Groundwater samples from monitoring wells were analyzed for VOCs, semi-volatile compounds, petroleum hydrocarbons, glycols, pH, conductivity, total dissolved solids, sulfate, surfactants, general minerals, and selected metals to evaluate the Site for spills or releases of chemicals and to evaluate the distribution in groundwater. Based on the results of the RI, the chemicals of concern (COCs) in soil and groundwater were identified as follows:

- 1,1,1-TCA;
- PCE;
- TCE;

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- Methylene chloride;
- 1,1-Dichloroethene (1,1-DCE);
- 1,2-Dichloroethene (1,2-DCE);
- 1,1-Dichloroethane (1,1-DCA);
- 1,2-Dichloroethane (1,2-DCA); and
- Vinyl chloride.

The environmental investigations indicated the presence of these VOCs in soil, with the highest concentrations detected in the soil column beneath the former solvent AST area. The highest VOC concentrations in groundwater were also found beneath the former solvent AST area. Appendix B contains a summary table of soil analytical data collected during the RI.

An additional 13 wells have been installed since the RI was completed, two of which replaced wells that were destroyed, for a total of 33 wells at the Site. Well construction information is presented in Table 1. Appendix C contains a summary table of the historical groundwater monitoring data for the Site.

The lateral distribution of VOCs in A_1 zone groundwater at the Site in 1991 is illustrated on Figures D-1 through D-5 in Appendix D. These figures illustrate that the highest concentrations were detected in samples from beneath the former solvent AST area, with lateral migration toward the south-southwest. While the VOC distribution indicated migration to the south-southwest, water-level measurements in the A_1 zone have consistently shown a potentiometric surface with a gradient to the west-southwest (Figure 11).

The vertical distribution in groundwater is characterized by higher concentrations in samples from the shallow and A_1 zones, with significantly lower concentrations (approximately three orders of magnitude lower) detected in the A_2 zone (Appendix C).

The distribution of VOCs in soil gas, based on data collected in 2001, is depicted in figures included in Appendix E. These figures depict soil gas VOC concentrations in the 5-foot, 10-foot, and 20-foot intervals. As the figures illustrate, the highest VOC concentrations in soil gas were identified in the former solvent AST area.

3.3.3 Upgradient Contribution of Chemicals in Groundwater

VOCs have also been detected in monitoring wells located upgradient and transgradient of the former solvent AST area, indicating contributions from off-Site sources (Figures D-1 through D-10; Appendix D). Sources of VOCs from upgradient off-Site areas likely contribute to the low concentrations of VOCs that are detected in the lower A_2 sand zones as well as in the A_1 zone upgradient of the former on-Site AST and UST areas (DTSC, 2007).

Adjacent and north of the Site is the former Angeles Chemical Company facility (Angeles), which operated as a chemical repackaging facility from 1976 to 2000 (Figure 4). A total of 34 USTs existed at the property, with an additional UST used as containment for surface runoff, chemical spillage, and line flush storage. Chemicals stored at the former Angeles site included, but were not limited to, acetone, methylene chloride, 1,1,1-TCA, PCE, MEK, toluene, xylenes, kerosene, diesel, and unleaded gasoline. Subsurface investigations were initiated at the property in 1990. Investigators at the site concluded that VOCs had impacted soil and groundwater beneath the property; sources included surficial spillage from chemical transfers along the northern railroad tracks and leakage from the secondary containment tank pipes (Blakely, 2001; DTSC, 2007). Floating product containing chlorinated VOCs as well as petroleum hydrocarbons has been observed in a number of the Former Angeles wells. Product removal efforts have been ongoing since before 1999. Soil vapor extraction was initiated in 2005, but it is uncertain if the system is operating. No groundwater containment has been implemented at this property.

The Omega Chemical Superfund Site (Omega) is located approximately 1½ mile northeast of the Site (Figure 9). The Omega Chemical Corporation operated from 1976 to 1991 at 12504 and 12512 E. Whittier Boulevard in the City of Whittier. During its years of operation, drums and bulk loads of waste solvent and chemicals from various industrial activities were processed to form commercial products. Site investigations indicate the subsurface soil and groundwater at the Omega property are contaminated with high concentrations of PCE, TCE, other chlorinated hydrocarbons and Freon. Groundwater samples collected at the Omega property contained PCE at concentrations up to 210,000 micrograms per liter (ug/L), and PCE and TCE were detected in groundwater at locations over 2 miles downgradient of the Omega Property, including upgradient and downgradient of the Site (U.S. EPA, 2006).

3.4 Initial Response

Before operations ceased at the Site, an initial investigation was performed in June and October 1984. A further investigation was performed in March 1986, which included soil and groundwater sampling and installation of four monitoring wells around the former solvent AST area. At the time of closure of the facility in November 1986, all USTs and ASTs were emptied. All ASTs, loading platforms, and a drum washing shed were removed during demolition activities conducted in December 1990. All USTs and associated piping were removed from the Site in May 1996.

In January 1990, McKesson signed a Consent Order with DHS (now DTSC), to perform an RI/FS and RAP for the cleanup of VOCs in soil and groundwater at the Site. McKesson submitted the RI/FS in October 1992 and a Final RAP for soil in April 1993. In 1998, McKesson also implemented an IRM to contain impacted groundwater on Site. The presence of ongoing contributions of VOCs from upgradient sources has delayed implementation of final remediation of VOCs in groundwater because final cleanup cannot be achieved until upgradient sources of VOCs in groundwater are controlled.

3.5 Basis for Taking Action

The COCs in the soil and groundwater at the Site and in groundwater both upgradient and downgradient of the Site are VOCs and their breakdown products. The VOCs in soil in the unsaturated and saturated zones partition to groundwater and present an ongoing source of VOCs to groundwater. VOCs are present in shallow groundwater at concentrations exceeding Maximum Contaminant Levels (MCLs) for drinking water. Although the zones of groundwater impacted by VOCs at and near the Site are not used for drinking water, the potential exists for the VOCs in groundwater to migrate to deeper zones that may be used for drinking water.

A Baseline Risk Assessment was prepared as part of the RI (Volume V, Appendix O) to evaluate the potential human health risks associated with exposure to the chemicals present in the subsurface (Chem Risk, 1992). All chemicals detected in more than five percent of the soil samples collected during the RI were considered to be COCs. Health risks associated with soil and groundwater exposure were assessed using the soil and groundwater data collected during the RI. It was concluded that for the soil pathways of exposure (vapor inhalation, soil ingestion, and dermal contact with soil) the total non-

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cancer hazard indices (including all chemicals) were 1.0 or less for residents and workers. These results suggest that the soil chemicals of concern did not pose a significant non-cancer health hazard, according to the assumptions used in the assessment. Estimated increased cancer risks were 8×10^{-6} and 3×10^{-5} for the occupational and on-site residential scenarios, respectively. These estimated cancer risks are within the range of increased cancer risks that have typically been considered "acceptable" for large populations at both the State and Federal levels.

For the groundwater pathways of exposure (incidental dermal contact and ingestion) the hazard indices ranged from 0.1 (dermal contact by adults) to 11 (ingestion for children). The estimated increased cancer risks were 3×10^{-3} for incidental groundwater ingestion and 1×10^{-4} for incidental dermal contact. These estimated risks and hazard indices exceeded levels that have typically been considered "acceptable" by regulators.

The objective of soil remediation at the Site is to remove the source of contamination at the Site to groundwater. The objective of the IRM for groundwater at the Site is to prevent flow of impacted groundwater off of the Site. Because groundwater in the vicinity of the Site is impacted by other sources upgradient to the Site, remediation of groundwater quality to drinking water standards is not currently feasible without upgradient sources being addressed as well.

The Baseline Risk Assessment concluded that the concentrations of contaminants in the soil do not pose a significant health risk to potential future workers or on-site residents. Based on the evaluation, interim soil cleanup levels were established that were protective of groundwater by limiting the further degradation of groundwater. Because the impacted aquifer was not considered a drinking water source, health-based interim cleanup levels were calculated based on an incidental contact scenario involving incidental ingestion and dermal contact.

A leachate model was used to estimate the maximum soil concentration that would not cause groundwater chemical concentrations to exceed their respective groundwater cleanup levels (Chem Risk, 1992). Accordingly, interim cleanup levels based on protection of human health were calculated in the risk assessment for the FS for the VOCs shown in Table 3.

4. REMEDIAL ACTIONS

Since 1990, remedial activities have been ongoing at the Site to reduce the mass of VOCs in soil in the former solvent AST area and to prevent high concentrations of VOCs in groundwater from migrating off Site. These activities include: removal of ASTs and USTs, soil vapor extraction and treatment, groundwater extraction and treatment, and a bioremediation pilot study.

4.1 Remedy Selection

Based on the findings in the RI and FS, a remedy was selected for soil remediation at the Site. The remedy, soil vapor extraction, was initiated in March 1994 as described in the Final RAP (Geomatrix, 1993). In 1996, DTSC approved a workplan to develop an IRM for groundwater containment by extraction from an A_1 zone well (EW-1) at the Site, which was implemented in 1998. These two remedies are discussed in the following sections.

4.1.1 Soil Remedy

The two goals of soil remediation at the Site were presented in the FS (HLA, 1992) and the Final RAP (Geomatrix, 1993). Both documents were subject to public review and were approved by DTSC. The objectives for on-Site soil remediation are to:

1) Reduce concentrations of VOCs in soil to levels that, when partitioned to groundwater, resulted in groundwater VOC concentrations that are protective of groundwater quality to drinking water standards, and

2) Reduce concentrations of VOCs in soil such that potential air emissions of VOCs would be acceptable when the solvent USTs were excavated and removed from the Site in 1996.

Based on these objectives, a soil vapor extraction (SVE) and treatment system was designed to remediate soil near the former solvent AST area where soil concentrations exceeded the numerical remedial goals established by the baseline risk assessment (Chem Risk, 1992). A SVE system was designed to pneumatically influence this

portion of soil at the Site as well as the area beneath the USTs (Geomatrix, 1993b). This design and work plan was approved by DTSC in November 1993.

Operation of the SVE system began in March 1994 and continued through June 1995. Extraction was restarted in 1998, and in 2003 two additional extraction wells were added to the system to remove additional mass near the former solvent ASTs. The SVE system currently consists of four extraction wells (E-1, E-2, E-3, and MW-11s), located as shown on Figure 12; the fourth extraction well (MW-11s) was added in September 2006 (Figure 12). Soil vapor is extracted from these wells at a total flow rate of approximately 40 standard cubic feet per minute (scfm) and is treated with a catalytic oxidizer and scrubber and then discharged to the atmosphere under a permit from the South Coast Air Quality Management District. Figure 13 shows the process flow diagram and Figure 14 shows the treatment system layout.

4.1.2 Groundwater Remedy

The results of Site characterization studies indicated that VOCs attributed to Site operations were found primarily within the A_1 groundwater zone (approximately 45 to 75 feet bgs). The initial sampling of shallow wells installed in 1986 around the former solvent AST area indicated elevated VOC concentrations; however, groundwater has not been observed in these wells since 1986. The conceptual design of the IRM, as approved by DTSC in 1995, was to contain and capture affected groundwater within the A_1 zone that was migrating directly from the former AST and UST areas. The IRM workplan proposed groundwater extraction and treatment as the preferable method of containment (Geomatrix, 1995a).

Groundwater extraction and treatment began in March 1998 from extraction well EW-1. The groundwater extraction system now consists of three extraction wells, EW-1, SB-23, and PS-INJ (Figure 12). Groundwater is extracted from these wells at a total flow rate of approximately 40 gallons per minute (gpm) and is treated with an air stripper (off-gas is treated along with the soil vapor) and discharged to the sanitary sewer (Figure 13).

4.2 Remedy Implementation

4.2.1 Soil Vapor Extraction and Treatment

SVE was initiated at the Site in March 1994 from well E-1. The SVE operated from March 1994 to July 1995, when it was shut down due to treatment system complications. Subsequent to the shutdown, McKesson submitted a workplan to DTSC for the removal of the remaining USTs while the SVE was shut down. The USTs were removed in 1996, and SVE was restarted with a new catalytic oxidizer and scrubber treatment system in 1998.

In 2001, Geosyntec collected additional Site characterization data to support performance monitoring in assessing the effectiveness of the remediation systems (groundwater extraction and soil vapor extraction). The results of the work were used to evaluate: i) the extent of hydraulic capture of groundwater extraction well EW-1 and the chemical quality of groundwater; ii) the current distribution of VOCs in the soil gas; and iii) the area of capture of the SVE. The specific site investigation activities performed to collect additional data for soil remediation included:

- A site-wide soil gas survey focused in and around the former solvent AST area; and
- Vadose zone extraction system testing.

Two types of SVE system testing were conducted, step testing and transient testing. The step testing was conducted to assess vacuum versus flow characteristics at extraction well E-1 and to assess vacuum-distance relationships in the vadose zone under varied flow conditions.

The SVE transient tests were conducted to assess the role of leakance and spatial variations in the vadose zone and to determine the intrinsic permeability (k) of the vadose zone. The SVE transient test data were evaluated using AQTESOLV. A leaky aquifer solution was used to estimate transmissivity and the ratio (r/B) of the distance (r) from the pumping well (E-1) to the leakage factor (B) based on the vacuum response at the monitoring points. The vacuum response data collected at each of the monitoring points was also evaluated graphically using vacuum-distance relationships (Geosyntec, 2001).

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The radius of influence (ROI) of extraction well E-1 was evaluated by plotting the velocity of air flow resulting from the contribution of horizontal flow only (the total flow reduced by the contribution of flow from the leaky semi-confining layer) and the estimated vacuum response at radial distances of B, 2B and 3B as shown on Figure 15. Based on the results of the vadose zone testing it was concluded that at a radial distance of approximately 120 feet (3B), extraction well E-1, operating at a flow rate of 25 scfm, provides significant vacuum and air flow velocity to effectively remove contaminants from the vadose zone (GeoSyntec, 2003).

The results of the soil gas samples collected from 5 and 10 feet bgs indicated that VOCs remained in the soil gas in two areas beneath the Site: 1) within and adjacent to the former solvent AST area; and 2) a small area near SG-5 (Appendix E). It was concluded that significant reductions in the concentrations of VOCs had been achieved through remedial efforts. VOC distributions observed in the soil gas at a depth of 20 feet bgs, which mimicked those observed in groundwater, were concluded to be most likely the result of historical groundwater level changes and off gassing from impacted groundwater and not the result of a continuing source in the vadose zone at more shallow depths.

Three additional vapor extraction wells (E-2, E-3, and E-4) were installed in February 2003 to supplement the existing vapor extraction well E-1 (Figure 12). E-2 was installed in the vicinity of SG-5; E-3 was installed near the southern edge of the former solvent AST area; and E-4 was installed to the west of the former solvent AST area. However, only E-2 and E-3 were connected to the SVE system. Start-up testing of E-4 showed no significant detections of VOCs, so this well was not put into operation (Geosyntec, 2003).

Monitoring well MW-11s, which is located within the former solvent AST area, contained elevated VOC levels in fine-grained soils. This well was converted to a soil vapor extraction well and connected to the treatment system in September 2006 to enhance the removal of VOCs from the finer-grained sediments of the vadose zone near the former solvent AST area.

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4.2.2 Groundwater Extraction and Treatment

An analytical groundwater flow model initially was developed as a tool to assist in designing the groundwater IRM (Geomatrix, 1995a). The purpose of the model development was to provide a guide that could be used for evaluating hydraulic containment for extraction from the A_1 zone. Extraction well EW-1 was constructed in 1995; step-drawdown testing and an 8-hour constant discharge test were performed on this well soon after installation. The records of drawdown and recovery of hydraulic head in each of the A_1 zone observation wells were analyzed using the Theis time-drawdown method and the Cooper-Jacob time-drawdown, distance-drawdown, and recovery methods. The computer program AQTESOLV was used to expedite fitting of type-curves to the drawdown data. No hydraulic boundaries or lateral heterogeneities were encountered in the A_1 zone during the aquifer test. Drawdown was not observed in wells completed within the A_2 zone (SB-17A and SB-17B), suggesting that the A_2 zone is in poor hydraulic communication with the A_1 zone (Geomatrix, 2000c).

During the 1997 preliminary design of the groundwater IRM, the overall system was designed to include the SVE to assist the removal of contaminant mass from the subsurface. The extraction and treatment system was constructed in January and February 1998; startup activities for soil vapor and groundwater extraction combined began in March 1998.

Comparisons of observed and modeled drawdown due to pumping from EW-1 at approximately 30 gpm were evaluated in 1999 and showed good agreement between the field measurements and 1996 simulations. The estimated area of capture for EW-1 at a flow rate of 20 gpm in September 2000 is shown on Figure 16.

In 2001, an additional groundwater monitoring well (MW-05) was installed downgradient of the current extraction well EW-1 in 2001 to further evaluate the extent of the zone of capture and to evaluate groundwater quality downgradient of the extraction well (Geosyntec, 2001). Based on further evaluation of the zone of capture and incorporating data from MW-05, it was concluded that the groundwater extraction system appeared to be sufficiently capturing and treating the impacted groundwater emanating from the source areas at the Site (Figure 17). However, to provide an increased level of certainty that changes in the gradient direction would not cause a loss of capture, it was recommended that the size of the capture zone be increased through

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increasing the flow rate from EW-1 or extracting groundwater from an additional well such as SB-23. In June 2004, SB-23, which is located at the downgradient edge of the former solvent AST area, was connected to the extraction and treatment system.

In September 2006, monitoring well PS-INJ, which is located within the former solvent AST area, was converted to a groundwater extraction well to supplement groundwater extraction from the source area. Figure 18 shows the estimated capture zone for the current groundwater extraction system at the Site.

In the current treatment system, extracted groundwater from well EW-1, SB-23, and PS-INJ is treated in a single air-stripping column and discharged to the sanitary sewer. Off-gas from the primary air stripper is combined with extracted soil vapor and treated in a catalytic oxidizer/acid gas scrubber system. The acid gas scrubber produces a small quantity of blowdown, which is discharged to the sanitary sewer.

4.2.3 Bioremediation Pilot Study

In November 1999, a pilot study focused on accelerating intrinsic bioremediation of VOCs in the vadose zone and the saturated zone was performed in the former solvent AST area. Details of the pilot study were presented to DTSC in a letter dated 17 March 2000 (Geomatrix, 2000a).

According to its 17 March 2000 letter, Geomatrix reported that the pilot study included installation of three groundwater monitoring wells followed by two injection periods (12 and 15 November and 16 and 17 December 1999). A total of 35,950 gallons of sugar and yeast extract were injected into the vadose zone (22,010 gallons) and saturated zone (13,940 gallons). Additionally, 64 grams of sodium bromide was added as a tracer to injection well PS-INJ to monitor the migration of the sugar and yeast extract. Details of the injections are provided in the Geomatrix 17 March 2000 letter.

Following the injections, Geomatrix conducted groundwater monitoring activities to evaluate the effectiveness of the injections in creating reducing conditions and thereby destroying VOC mass in the former solvent AST area. Wells PS-S1, PS-S2, and PS-INJ were installed in the former solvent AST area for the bioremediation study (Figure 10). Geomatrix identified wells to be used to monitor the progress of the pilot study. MW-1 was identified as a "cross-gradient" well and all other wells were identified as being

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downgradient of or within the injection area. No background (upgradient) wells were identified for the pilot study.

Approximately four months after the injections, Geomatrix concluded that "preliminary data indicate that the injections have created a strongly reducing condition in the saturated zone beneath the former solvent AST area." A comparison of background dechlorination at the site to the results of the biodegradation monitoring indicated that the 1999 nutrient injections enhanced the biodegradation of target compounds (i.e., PCE, TCE, and 1,1,1-TCA) in wells downgradient of the injection area. Although a significant reducing environment was created, there was significant slime buildup in the downgradient extraction well EW-1 and the pilot study was discontinued.

4.3 System Operations/Operation and Maintenance (O&M)

4.3.1 Soil Vapor Extraction and Treatment

The operational history of the SVE system is illustrated on Figure 19 and the cumulative mass removal is illustrated on Figure 20. Because of Site-specific conditions, the SVE has had two distinct operational periods, as described below.

The first operational period for the SVE was March 1994 to July 1995. Extracted soil vapor was treated by a Purus system, and subsequent to startup it became apparent that manufacturer design flaws would impede the sustained operation of the Purus system due to excessive corrosion resulting from vapor condensation with the system.

The Purus system was operated from March 1994 through January 1995 with vapor extraction from one well (E-1) at a flow rate of approximately 12 standard cubic feet per minute (scfm). The flow rate from E-1 was increased to 35 scfm in January 1995. The system operated with occasional shutdowns due to equipment malfunction until July 1995, at which point its continued operation was not feasible due to corrosion and destruction of the equipment by hydrochloric acid generated during the desorption cycle of the treatment process. Over the operational life of the system, approximately 3,300 gallons of recovered solvents were sent off Site for recycling (Geomatrix, 1995b). Assuming 15 percent water content and a specific gravity of 1.35 for the solvent mixture, the estimated mass of VOCs removed from soil was approximately 32,000 pounds (Geomatrix, 1995b).

SVE activities were suspended following decommissioning of the Purus system until the groundwater IRM was developed. The groundwater IRM treatment system included a catalytic oxidizer and scrubber for air-stripper off-gas treatment; this equipment was also capable of treating the vapors extracted from well E-1. Vapor extraction from well E-1 was re-established in May 1998 at a flow rate of approximately 5 scfm. The SVE operated intermittently during 1998 due to scrubber scaling problems and was shut down on 11 January 1999 due to the presence of 1,4-dioxane in the groundwater influent. The SVE was restarted on 22 February 1999. On 4 October 1999 the SVE was temporarily shut down to facilitate the enhanced in-situ bioremediation pilot study for groundwater. The SVE was restarted on 28 January 2000. The flow rate from E-1 was increased to 15 scfm in February 2000. E-2 and E-3 were connected to the SVE system at a flow rate of 5 scfm from each well in May 2003. In September 2006, MW-11s was connected to the treatment system. Extraction from this well began on 11 September 2006 at a flow rate of 5 scfm (Figure 12).

As is typical for vapor extraction systems, the VOC mass removal rates were significantly higher during the first six months of operation, with a VOC mass removal rate of approximately 70 pounds per day achieved in 1994 (Figure 18). The current VOC mass removal rate is approximately 5 pounds per day.

4.3.2 Groundwater Extraction and Treatment

The operational history of the IRM groundwater extraction and treatment system is illustrated on Figure 21 and the cumulative mass removal is illustrated on Figure 22. The objective of the IRM was to contain groundwater affected by VOCs downgradient of the former AST and UST areas. The groundwater extraction and treatment system was constructed in January and February 1998 and startup activities began in March 1998. In the completed system, extracted groundwater from well EW-1 was treated in a series of two air-stripping columns and discharged to a local drainage ditch. Off-gas from the primary stripper was combined with extracted soil vapor (from well E-1) and treated in a catalytic oxidizer/acid gas scrubber. The acid gas scrubber generated a small quantity of blowdown water, which was discharged to the local sanitary sewer.

Discharges from the system were regulated by three regulatory agencies. The treated groundwater was discharged under and NPDES permit issued by the Los Angeles

Regional Water Quality Board (RWQCB). Off-gases from the scrubber system and secondary air-stripper were discharged per South Coast Air Quality Management District (SCAQMD) permits. Scrubber blowdown water was discharged under an Industrial Wastewater Discharge Permit issued by the City of Santa Fe Springs and the Los Angeles County Sanitation District (LACSD).

During SCAQMD compliance testing performed in December 1998, 1,4-dioxane was detected in a mid-process liquid stream sample. Subsequent sampling performed in January 1999 confirmed the presence of this compound. 1,4-Dioxane had not been detected in previous influent or effluent groundwater sampling and in 1999 the discharge of this chemical was not regulated under the NPDES permit. Notification of the detection of 1,4-dioxane in groundwater effluent was provided to the RWQCB and DTSC in letters dated 9 February 1999. Groundwater monitoring conducted in February and March 1999 confirmed that 1,4-dioxane was widely distributed in groundwater across the Site.

A pilot study was performed in 1999 to test the efficacy of advanced oxidation in treating 1,4-dioxane in the groundwater influent. The results of the pilot study indicated that advanced oxidation techniques do not produce reliable destruction of 1,4-dioxane. Following the results of the pilot study it was determined that to ensure no discharge exceedances of 1,4-dioxane in the future, the only viable discharge alternative would be through the existing sanitary sewer. A permit modification package (which included taking one of the air-strippers offline) to discharge treated groundwater to the sanitary sewer was prepared and submitted to the LACSD and the City of Santa Fe Springs on 17 March 2000 and was approved on 4 October 2000. Following approval, the modifications were completed in November and December 2000. Since December 2000, treated groundwater and blowdown water from the scrubber have been discharged to the sanitary sewer.

In order to increase the flow rate from EW-1 and add SB-23 as an extraction well, McKesson applied for a permit modification to the City of Santa Fe Springs and the LACSD to increase the total extraction system flow rate from 30 to 60 gpm. Approval was obtained from the City of Santa Fe Springs and the LACSD, and well SB-23 was connected to the groundwater extraction and treatment system in June 2004. Since June 2004, SB-23 has operated at a flow rate of approximately 4 gpm.

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In January 2006, McKesson recommended converting PS-INJ to a groundwater extraction well to further supplement the current system (Figure 12). In September 2006, PS-INJ was connected the treatment system. Extraction from this well began on 11 September 2006 at a flow rate of 4 gpm.

On 4 December 2006, McKesson received a Notice of Violation from the Los Angeles County Sanitation District (LACSD) for exceeding the discharge permit limit of 1,000 μg/L Total Toxic Organics (TTO) for an effluent sample collected in October 2006 (LACSD, 2006). The effluent sample contained 1,761 μg/L TTO. The LACSD requested that the cause of the exceedance be evaluated and corrected. Based on an evaluation of the system, the concentration of TTO in the October 2006 effluent sample may have been a result of the additional groundwater being extracted from well PS-INJ, which is located within the former solvent AST area and which commenced operation in September 2006, and/or fouling in the stripping tower. Inspection of the primary stripping tower indicated that the packing was fouled and required replacement. Removal of the packing and its replacement was initiated immediately and completed by 19 January 2007. Concurrently, McKesson purchased a new stripper to provide a back-up for the system. The extraction system was restarting on 20 January 2007 and additional effluent samples were collected for analysis. Based upon analytical results indicating that all effluent samples collected were within the permit limits, the system was placed back into full service with discharge to the sanitary sewer.[1]

The VOC mass removal rate for the groundwater extraction system has averaged approximately 1.5 pounds per day.

4.3.3 Remediation, Operations and Maintenance Costs

McKesson has spent approximately $5,766,000 on remediation and operation and maintenance of remediation systems at the Site since 1993. McKesson projects that operation and maintenance costs will be approximately $375,000 for 2007.

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[1] Los Angeles County Sanitation District, 2006. Notice of Voilation, No. V26536. 4 December 2006.

5. PROGRESS SINCE LAST FIVE-YEAR REVIEW

5.1 Summary of Progress for First Five-Year Review

In the first Five-Year Review Report, McKesson reported the following progress for cleanup of VOCs from soil and groundwater at the Site (Geomatrix, 2000b):

- Removal of all source-related infrastructure (ASTs, USTs, piping and appurtenances).
- Implementation of soil vapor extraction and treatment from well E-1 – extraction of vapor at approximately 25 scfm.
- Implementation of groundwater IRM extraction and treatment from well EW-1 – extraction of A_1 zone groundwater at approximately 30 gpm.
- Removal of approximately 35,000 pounds of VOCs from soil at the Site.
- On-Site containment of impacted groundwater and removal of approximately 1,000 pounds of VOCs from approximately 8,500,000 gallons of extracted groundwater.
- Evaluation of bioremediation via a pilot study using injections of a sugar/yeast substrate into the former solvent AST area. Although a significant reducing environment was created, there was significant slime buildup in the downgradient extraction well EW-1 and the pilot study was discontinued.

5.2 Progress for Second Five-Year Review

The following summarizes additional activities performed at the Site for the years 2000 through 2006:

- Site-wide soil gas survey in October 2001 – 25 locations at three depths (5, 10, and 20 feet bgs).

- Installation of A_1 zone monitoring well MW-05 downgradient of groundwater extraction well EW-1 in October 2001 to evaluate the extent of hydraulic capture provided by EW-1.
- Addition of two soil vapor extraction wells to the SVE system in 2003.
- Addition of five on-Site shallow zone monitoring wells in 2003.
- Collection of soil chemistry data in the former solvent AST area in 2003 and comparison to pre-remediation soil chemistry data.
- Addition to the extraction network of one A_1 zone well adjacent to the former solvent AST area for enhanced capture and VOC mass removal from A_1 zone groundwater in 2004.
- Off-Site Investigation – collection of groundwater samples and CPT data from 12 locations upgradient and downgradient of the site, at multiple depths in the A_1 zone in 2005.
- Addition to the SVE network of one well and to the groundwater extraction network of one well in the former solvent AST area for enhanced VOC mass removal in 2006.
- Removal of an additional approximately 8,600 pounds of VOCs from soil at the Site in the period of October 2000 to December 2006.
- Capture of impacted groundwater for containment, and removal of an additional approximately 2,400 pounds of VOCs from approximately 49,000,000 gallons of extracted groundwater, in the period of October 2000 to December 2006.

5.2.1 Soil Gas Survey and SVE Additions

McKesson performed a Site-wide soil gas survey in October 2001 to confirm that no other source areas of VOCs were present in shallow soil at the Site and to evaluate the VOC concentrations remaining following several years of SVE (Geosyntec, 2001). Soil gas samples were collected at 25 locations at depths of 5, 10, and 20 feet bgs on a 50-foot grid pattern. The results of the soil gas samples collected from 5 and 10 feet bgs indicated that concentrations of VOCs remained in the soil gas in two areas beneath the former McKesson facility: i) the former solvent AST area; and ii) a small area near SG-5 (Appendix E). VOC distributions observed in the soil gas at a depth of 20 feet bgs

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(Appendix E), which mimic those observed in groundwater, are most likely a result of historical groundwater level changes and off gassing from impacted groundwater and not a continuing source in the vadose zone at more shallow depths.

Based on the results of the soil gas survey, vapor extraction well E-2 was installed south of the former UST area in February 2003. Low concentrations of VOCs observed in soil samples collected at shallow depths (5 to 20 feet bgs) during the installation of E-2 indicated that an additional source area was not present to the south of the former UST area (Geosytnec, 2003). However, VOC concentrations detected in soil gas samples collected from E-2 during SVE testing indicated residual VOCs remain in the soil gas (Geosyntec, 2003). Well E-2 was connected to the SVE system in July 2003 and operates at a flow rate of approximately 5 scfm.

Vapor extraction well E-3 was installed downgradient of the former solvent AST area in February 2003. The results of soil samples collected at shallow depths (5 and 10 feet bgs) and at deeper depths (24 and 26 feet bgs) during installation of E-3 identified VOCs in the soil column. The results of the vapor samples collected from E-3 (Geosyntec, 2003) also identified VOCs in the soil gas. Based on the soil and soil gas results collected in February and March 2003, well E-3 was connected to the SVE system in July 2003 and currently operates at a flow rate of approximately 5 scfm.

Vapor extraction well E-4 was installed in the northwest corner of the Site. The results of the soil samples collected during drilling of E-4 indicated that an additional source area was not present to the west of the former solvent AST area. Additionally, low total VOC concentrations were observed in the soil gas samples collected from E-4 in March 2003. Accordingly, this well was not added to the SVE system.

5.2.2 A_1 Zone Hydraulic Capture Evaluation and Extraction Enhancements

In October 2001, monitoring well MW-05 was installed downgradient of extraction well EW-1 to further evaluate the extent of the zone of capture of the groundwater extraction system (Geosyntec, 2001). As part of the evaluation, groundwater elevations were collected from Site monitoring wells in October 2001. The measured elevations indicated that the groundwater flow was to the southwest with a hydraulic gradient of approximately 0.006 foot/foot. The average flow rate from well EW-1 was approximately 28 gpm. Based on this further evaluation of the zone of capture and

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incorporating data from MW-05, it was concluded that the groundwater extraction system appeared to be sufficiently capturing and treating the impacted groundwater emanating from the source areas at the Site (Figure 17). However, to provide an increased level of certainty that shifts in the gradient direction would not cause a loss of capture, it was recommended that the size of the capture zone be increased through increasing the flow rate from EW-1 or extracting groundwater from an additional well such as SB-23. In June 2004, SB-23, which is located at the downgradient edge of the former solvent AST area, was connected to the extraction and treatment system.

In September 2006, monitoring well PS-INJ, which is located within the former solvent AST area, was converted to a groundwater extraction well to supplement groundwater extraction from the source area. Figure 18 shows the estimated capture zone for the current groundwater extraction system at the Site.

5.2.3 Shallow Zone Groundwater Monitoring

In September 2003, five shallow zone monitoring wells (MW-8s through 12s) were installed at the Site (Geosyntec, 2003). The wells were screened in a silty sand layer between depths of 30 and 38 feet bgs. The wells were installed to:

- evaluate whether a shallow groundwater zone, that had been observed over much of the former Angeles Chemical facility and at the northeast corner of the former McKesson facility between approximately 30 and 40 feet bgs, was present at other areas of the Site; and to
- assess the quality of the soil following SVE in and around the former solvent AST area.

The shallow wells were dry at the time of installation in 2003. The results of monitoring activities conducted since these wells were installed have shown that with the exception of one shallow well at the northeast corner of the Site (SB-32), groundwater is present in a transient state in the shallow groundwater zone only after periods of significant rainfall. When present, groundwater in the shallow zone ranges in elevation from 112 to 116 feet above mean sea level (msl). Figure 6, which presents a plot of the water levels in shallow wells at the Site, illustrates the transient nature of groundwater in this zone.

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5.2.4 Comparison of Pre-Remediation and Recent Soil Chemistry Data

In September 2003, well MW-11s was installed in the northeast corner of the former solvent AST area approximately 35 feet north of vapor extraction well E-1 (Figure 10) (Geosyntec, 2003b). Wells MW-10s and MW-12s were installed to the north and south, respectively, of the former solvent AST area. The VOC concentrations detected in soil samples collected from these wells are illustrated on Figure 23. For comparison, the VOC concentrations detected in soil samples collected from borings and wells in 1990 and 1991 are illustrated on Figure 24. The figures illustrate that VOC concentrations in the coarse-grained sand unit (Layer 2) between depths of 10 and 25 feet bgs have decreased significantly since 1991, indicating that the SVE system is effectively removing the mass of VOCs from the coarse-grained unit in the former solvent AST area; however, VOC concentrations in the fine-grained units (Layer 1 and Layer 3) remain elevated (Figures 23 and 24).

To further enhance removal of VOCs in the former solvent AST area, well MW-11s was converted to a vapor extraction well and connected to the SVE system in September 2006 (Figure 12). The well operates at a flow rate of approximately 5 scfm.

5.2.5 Off-Site Groundwater Investigation

As part of the RI, groundwater samples were collected from the A_1 zone in September and November 1991 at 17 locations using a Hydropunch® sampling system (Figures D-1 through D-5, Appendix D) (HLA, 1992). Eight of the seventeen locations (CPT-11 through CPT-18) were advanced south and west of the McKesson property. The investigation indicated the presence of VOCs off-Site toward the southwest.

In December 2004 and January 2005, an additional off-property investigation was conducted to evaluate the presence of VOCs in groundwater migrating downgradient from the Site and to evaluate the upgradient concentrations of VOCs emanating from other sources, exclusive of the known free product and dissolved chemical fractions currently migrating from the nearby former Angeles Chemical site. The specific activities performed as part of the investigation included advancement of 12 Cone Penetrometer Test (CPT) soundings and collection of multi-level groundwater samples at 12 locations upgradient and downgradient of the Site. Three of the four "upgradient"

CPT locations were located on Sorensen Avenue, just east of the former Angeles Chemical site.

During the investigation, depth to groundwater ranged from 49 feet at upgradient locations to 60 feet bgs at downgradient locations. No shallow (25 to 35 feet bgs) groundwater was encountered at any of the locations. The analytical results for groundwater samples collected downgradient of the Site indicated the presence of a narrow zone of VOC concentrations exceeding 1,000 ug/L. Based on the results of the investigation (Geosyntec, 2005), McKesson has proposed to conduct additional off-property activities in February 2007 (Geosyntec, 2006).

6. FIVE-YEAR REVIEW PROCESS

6.1 Administrative Components

Geosyntec performed this Second Five-Year Review process as a voluntary effort to evaluate the ongoing remediation of the Site. This review included the technical review of investigative and remedial efforts over the past seven years (2000 to 2006), which led to gathering of additional data and enhanced remediation efforts.

During December 2006 and January 2007, technical staff at Geosyntec reviewed the data that are summarized in this document.

6.2 Document Review

As part of the Second Five-Year Review process, the documents listed in the Reference Section of this report were reviewed to evaluate the remedial actions at the Site.

6.3 Data Review

As part of the Second Five-Year Review process, relevant data included in the documents listed in the Reference Section of this report were reviewed to evaluate the remedial actions at the Site.

6.4 Site Inspection

On 25 January 2007, McKesson performed a Site inspection and provided photographs of the Site for this review (Appendix A). The Site is secure and the remediation system is operating in accordance with system design and regulatory permits.

6.5 Interviews

No interviews were performed for the Second Five-Year Review.

7. TECHNICAL ASSESSMENT

1. Is the remedy functioning as intended by the decision documents?

The objective for on-Site soil remediation was to reduce concentrations of VOCs in soil to levels that, when partitioned to groundwater, result in groundwater VOC concentrations that are protective of groundwater quality. While mass removal through SVE has been significant, remaining concentrations of VOCs in fine-grained soils present an ongoing source of VOCs to groundwater. Continued SVE will likely achieve additional reductions in VOC mass; however, the rate of mass removal will continue to be relatively low.

The objective for the groundwater IRM is to contain and extract affected groundwater within the A_1 zone that was migrating directly from the former solvent AST area. This containment remedy is functioning as intended. Additional extraction wells in the former solvent AST area have been added to the system to enhance containment and mass removal.

If no modifications to the current remediation program are made, cleanup of VOCs from soil and groundwater at the Site will take many decades. The most significant actions that would affect cleanup time are removal of VOC mass from the fine-grained soils under the former solvent AST area and containment of VOCs emanating from upgradient sources, including the adjacent former Angeles Chemical site. Once these two actions are completed, then final remedies for groundwater can be evaluated and implemented.

2. Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives (RAOs) used at the time of the remedy still valid?

The assumptions, toxicity data, cleanup levels and RAOs for soil and groundwater remediation are the same, with the exception of the evaluation of the vapor intrusion pathway for potential future occupancy of the Site. The Site is currently unoccupied; however, the vapor intrusion pathway will need to be re-evaluated to protect Site occupants if the Site is to be redeveloped.

3. Has any other information come to light that could call into question the protectiveness of the remedy?

The risk-based cleanup levels that were calculated for the Site in 1992 reflected the standard of the practice at that time; however current practice includes evaluating the vapor intrusion pathway. This exposure pathway is not currently complete at the Site because it is vacant. It is likely that final cleanup levels for soil at the Site will be primarily driven by this pathway.

8. ISSUES AND RECOMMENDATIONS

Issue 1 - Residual On-Site Soil Concentrations

Remediation of VOCs in soil and groundwater at the Site is limited by chemical sorption to and desorption from fine-grained soil. Sorption effects are stronger in fine-grained soils with higher clay content. Desorption rates are affected by concentration gradients, such that chemicals will desorb or partition from soil (both in the vadose zone and in the saturated zones) more slowly as the concentrations are reduced in the air space surrounding the soil particles or reduced in the groundwater surrounding the soil particles. With SVE and groundwater extraction technologies, many pore volumes of air or groundwater are required to pass by the soil particles to reduce concentrations in soil and groundwater to cleanup levels. Cleanup of groundwater to drinking water standards is generally considered infeasible as long as sources of VOCs in soil and/or in upgradient groundwater remain.

Due to the presence of residual levels of VOCs in fine-grained soil beneath the former AST area, the progress of the soil remedy is slower than anticipated. While the SVE has removed a significant amount of VOC mass from the coarse-grained soils, significant concentrations remain in the fine-grained soils. SVE alone is not expected to remove these VOCs for many decades due to the sorption/desorption effects described above and because little airflow is likely to be occurring within these fine-grained soils. Additional technologies have been developed since the approval of the RAP, however, that could prove more successful in removing these residual VOCs.

Recommendation - Residual On-Site Soil Concentrations

In order to evaluate options for accelerated mass removal from fine-grained soil, evaluation of additional technologies for remediation of these fine-grained soils in the form of a Supplemental Feasibility Study is recommended.

Issue 2 - Upgradient Sources

Due to the presence of upgradient sources of VOCs in groundwater, ongoing containment of Site groundwater is an appropriate interim remedy. Groundwater from

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the A_1 zone has been contained at the Site since 1998. While the groundwater extraction and treatment system has contained contaminated groundwater and removed a significant amount of VOC mass, final cleanup of groundwater cannot be achieved until upgradient sources at the former Angeles Chemical site are controlled and/or remediated.

Recommendation - Upgradient Sources

Continue the groundwater IRM until the on-Site VOC source in soil is fully remediated and the upgradient groundwater at the former Angeles Chemical site is controlled and/or remediated.

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9. PROTECTIVENESS STATEMENT

The remedies currently being implemented at the Site are protective of human health and the environment because the VOCs in groundwater at the Site are contained by the groundwater extraction and treatment IRM. A significant mass of VOCs in soil has been removed by soil vapor extraction and treatment; and the remaining VOCs in soil and groundwater do not present a threat to surface users because the Site remains vacant and locked.

The implemented remedies, if unchanged, would continue to be protective of human health and the environment in the long term: however additional measures are recommended to improve VOC mass removal in the fine-grained soil beneath the former solvent AST area.

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10. NEXT REVIEW

The next Five-Year Review for the Site will be performed in 2009, and submitted in early 2010.

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Tables

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TABLES

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Table 1
Well Construction Summary

Groundwater Monitoring Well Network
Former McKesson Chemical Company
Santa Fe Springs, California

Monitoring Well	Year Installed	Monitoring Point Elevation (ft MSL)[1]	Screen Interval Depth (ft btoc)[1]		Screen Interval Elevation (ft MSL)[2]		Groundwater Zone
			Top	Bottom	Top	Bottom	
PIMW-01	1986	150.62	16.00	26.00	134.62	124.62	Shallow
PIMW-02	1986	149.38	18.00	28.00	131.38	121.38	Shallow
PIMW-03	1986	151.13	16.00	26.00	135.13	125.13	Shallow
PIMW-04	1986	149.00	15.00	29.00	134.00	120.00	Shallow
MW-01	1991	150.69	46.00	71.00	104.70	79.70	A1
MW-02	1991	149.44	46.00	71.00	103.40	78.40	A1
MW-03	1991	151.18	45.30	70.30	105.90	80.90	A1
SB-04	1991	148.81	43.50	63.50	105.30	85.30	A1
SB-07	1991	149.90	43.50	63.50	106.40	86.40	A1
SB-10	1991	151.60	45.00	65.00	106.60	86.60	A1
SB-17	1991	150.83	45.00	65.00	105.80	85.80	A1
SB-17A	1991	151.76	111.00	116.00	40.80	35.80	A2
SB-17B	1991	151.71	85.00	90.00	66.70	61.70	A2
SB-20	1991	151.71	43.50	63.50	108.20	88.20	A1
SB-23	1991	151.34	45.00	65.00	106.00	86.00	A1
SB-23A	1991	150.62	123.00	128.00	27.60	22.60	A2
SB-23B	1991	150.66	90.00	95.00	60.70	55.70	A2
SB-32	1991	149.78	19.60	39.60	130.20	110.20	Shallow
SB-36	1991	149.41	45.50	65.50	103.90	83.90	A1
SB-37	1991	151.73	22.30	32.30	129.43	119.43	Shallow
EW-01	1997	152.54	54.50	73.90	99.30	79.90	A1
MW-04	1997	150.80	65.00	75.00	85.80	75.80	A1
PS-INJ	1999	152.42	45.00	65.00	107.42	87.42	A1
PS-S1	1999	152.41	45.00	65.00	107.41	87.41	A1
PS-S2	1999	152.94	45.00	65.00	107.94	87.94	A1
MW-05	2001	152.51	47.00	67.00	105.50	85.50	A1
MW-06	2003	149.91	42.00	57.00	107.90	92.90	A1
MW-07	2003	150.16	46.00	61.00	104.20	89.20	A1
MW-08s	2003	149.97	30.50	35.50	119.47	114.47	Shallow
MW-09s	2003	149.13	30.50	35.50	118.63	113.63	Shallow
MW-10s	2003	150.43	30.00	38.00	120.43	112.43	Shallow
MW-11s	2003	149.30	29.00	36.70	120.30	112.60	Shallow
MW-12s	2003	150.57	30.50	35.50	120.07	115.07	Shallow

Notes:

[1]ft btoc - feet below top of casing.

[2]Elevations in feet Mean Sea Level (MSL) established by BLC Surveying Inc on November 2001.

MW-11s was converted to a soil vapor extraction well and PS-INJ was converted to a groundwater extraction well on 11 September 2006.

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Table 2
1992 Risk Assessment Interim Cleanup Levels

Former McKesson Chemical Company
Santa Fe Springs, California

Chemical of Concern	Groundwater Interim Cleanup Level (mg/L)	Soil Interim Cleanup Level (mg/kg)
1,1,1-TCA	10.6	1,700
1,2-DCA	0.45	69
Methylene chloride	5.5	460
PCE	0.8	170
TCE	3.7	725

Figures

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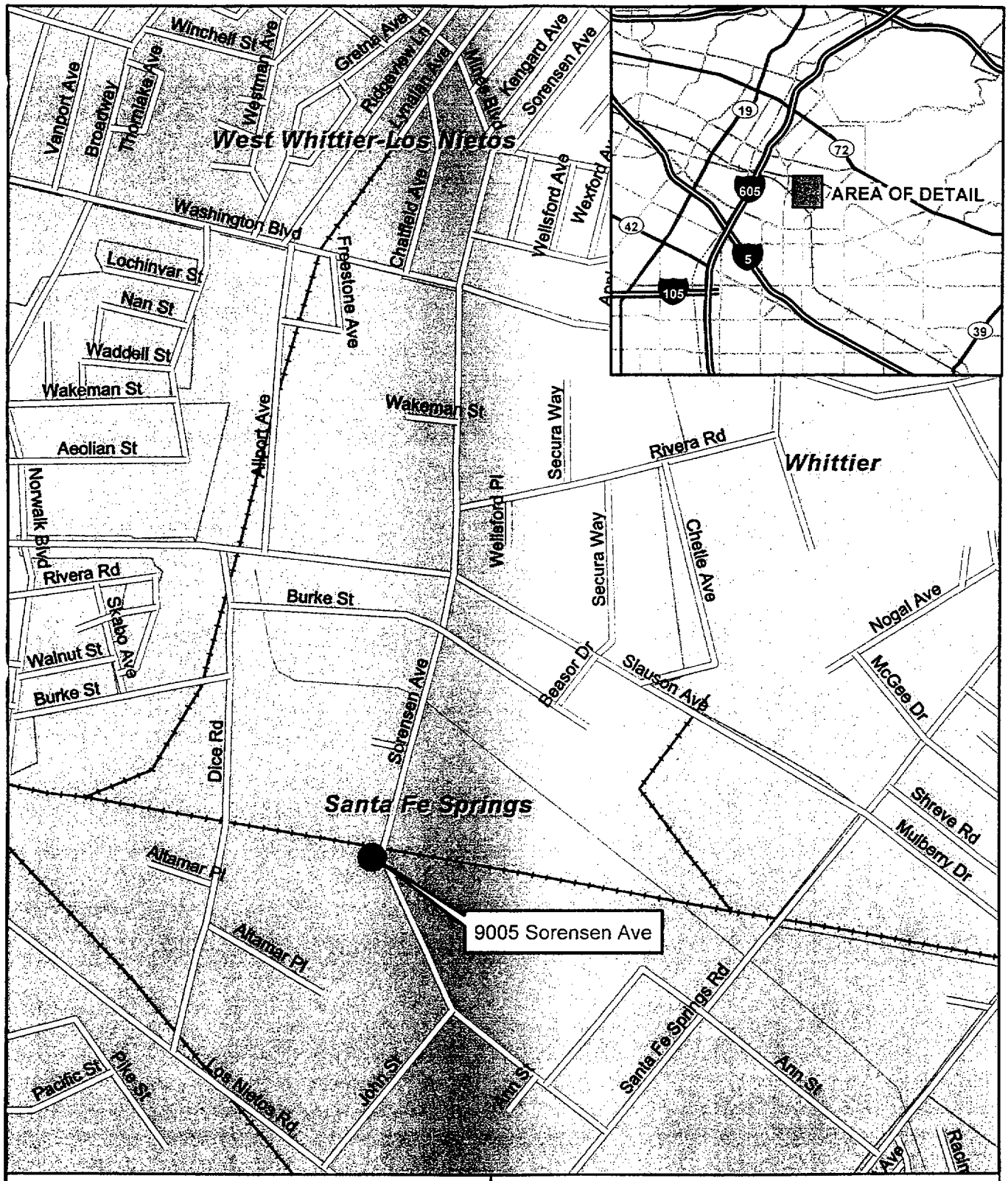
FIGURES



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0 500 1,000 2,000 Feet

Figure 1
Site Location Map
9005 Sorensen Avenue
Santa Fe Springs, California 90670

Project: HA0620	Former McKesson Chemical Company Santa Fe Springs, California	Geosyntec consultants

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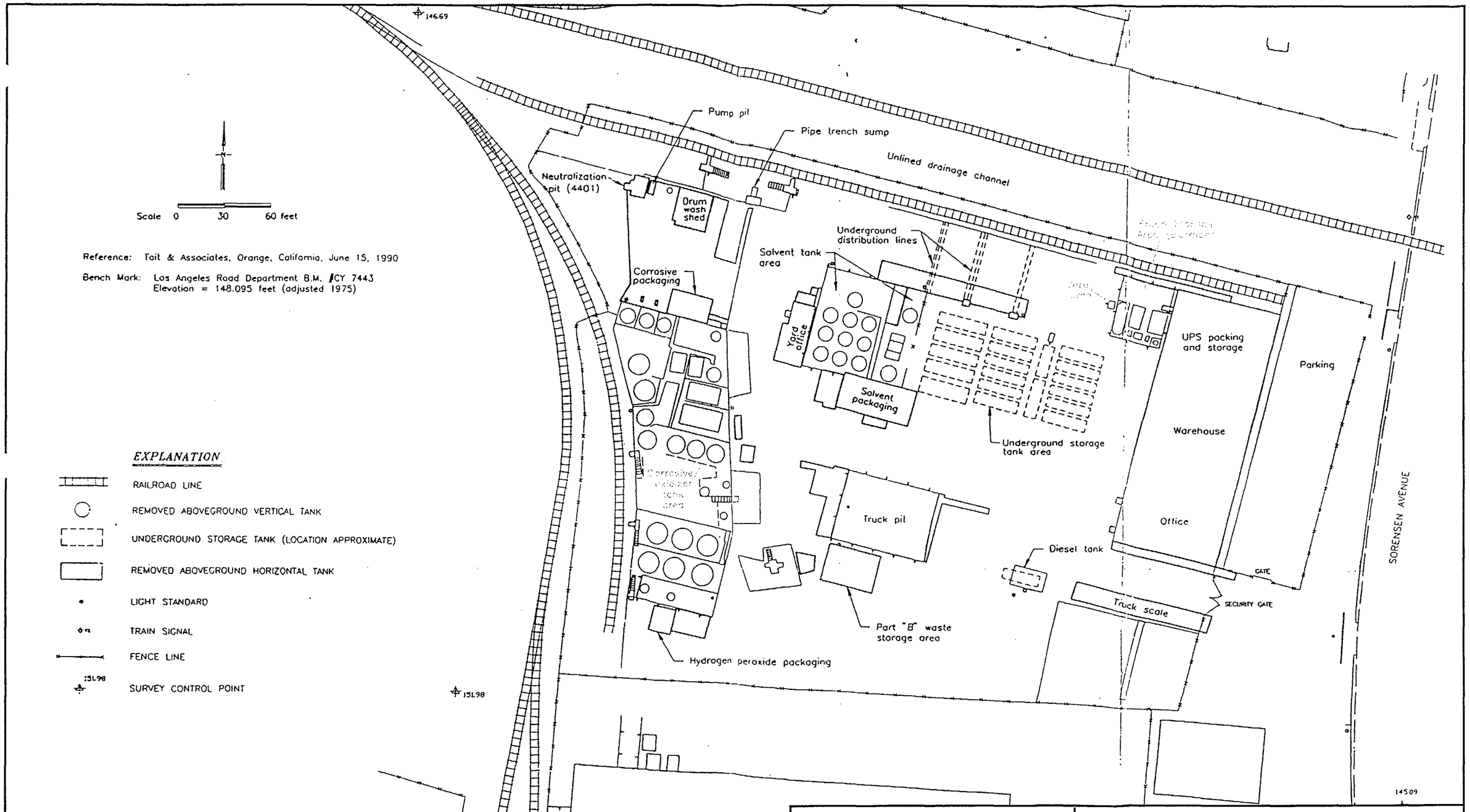

SOURCE: REPORT, REMEDIAL INVESTIGATION, MCKESSON CORPORATION PROPERTY, 1992. PLATE 3

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PROJECT NO. HA0620-15

DOCUMENT NO.

DATE: FEBRUARY 2007

FIGURE 2

SITE LAYOUT DURING OPERATION
FORMER MCKESSON CHEMICAL COMPANY
SANTA FE SPRINGS, CALIFORNIA

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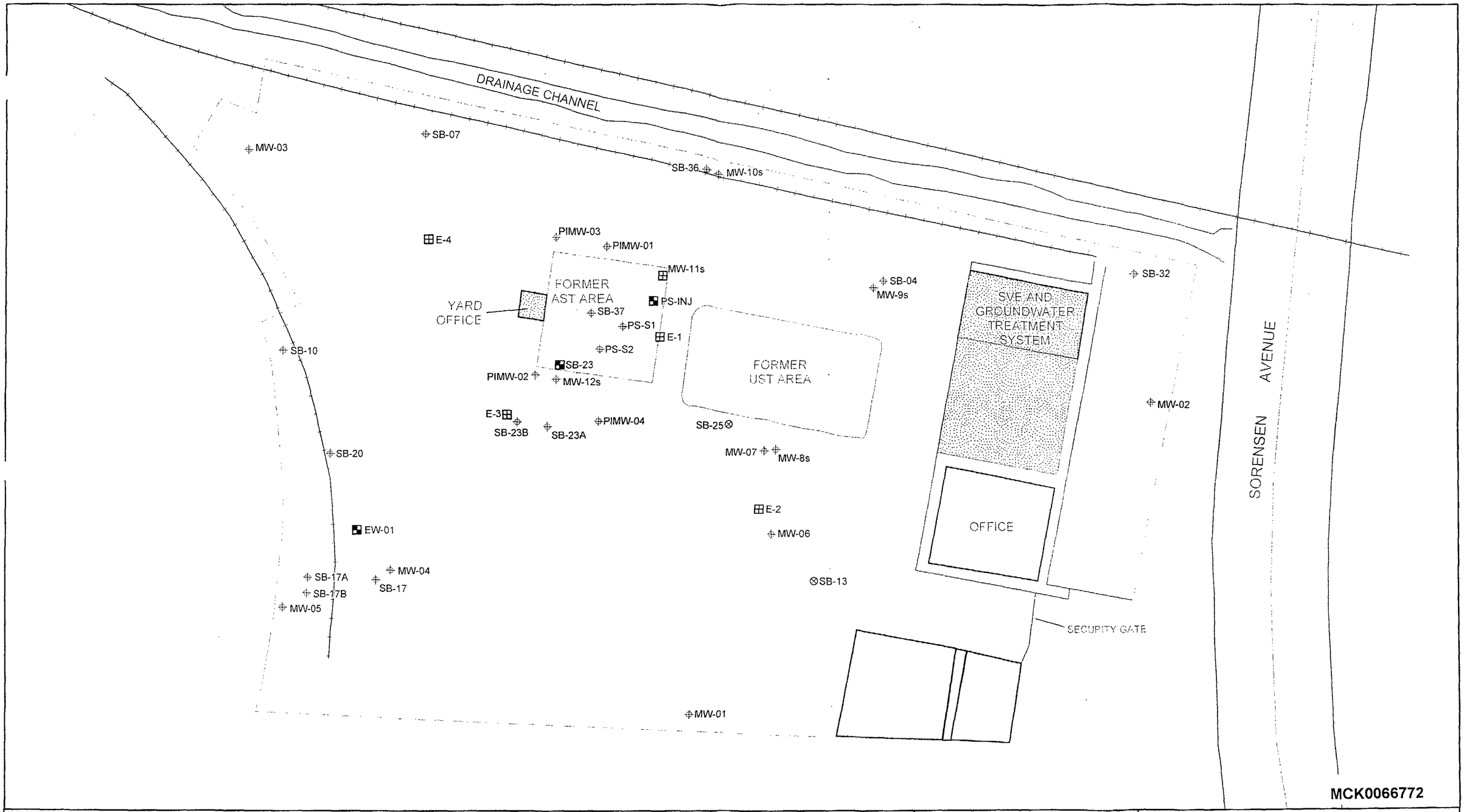

Legend

MW-01 Sample Location and Name

NOTE: Base map adapted from site plans prepared by Geomatrix (2001)

- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well
- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

N

0 25 50 Feet

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Project No. HA0620-15

Document No.

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Figure 3

Current Site Layout

Former McKesson Chemical Company
Santa Fe Springs, California

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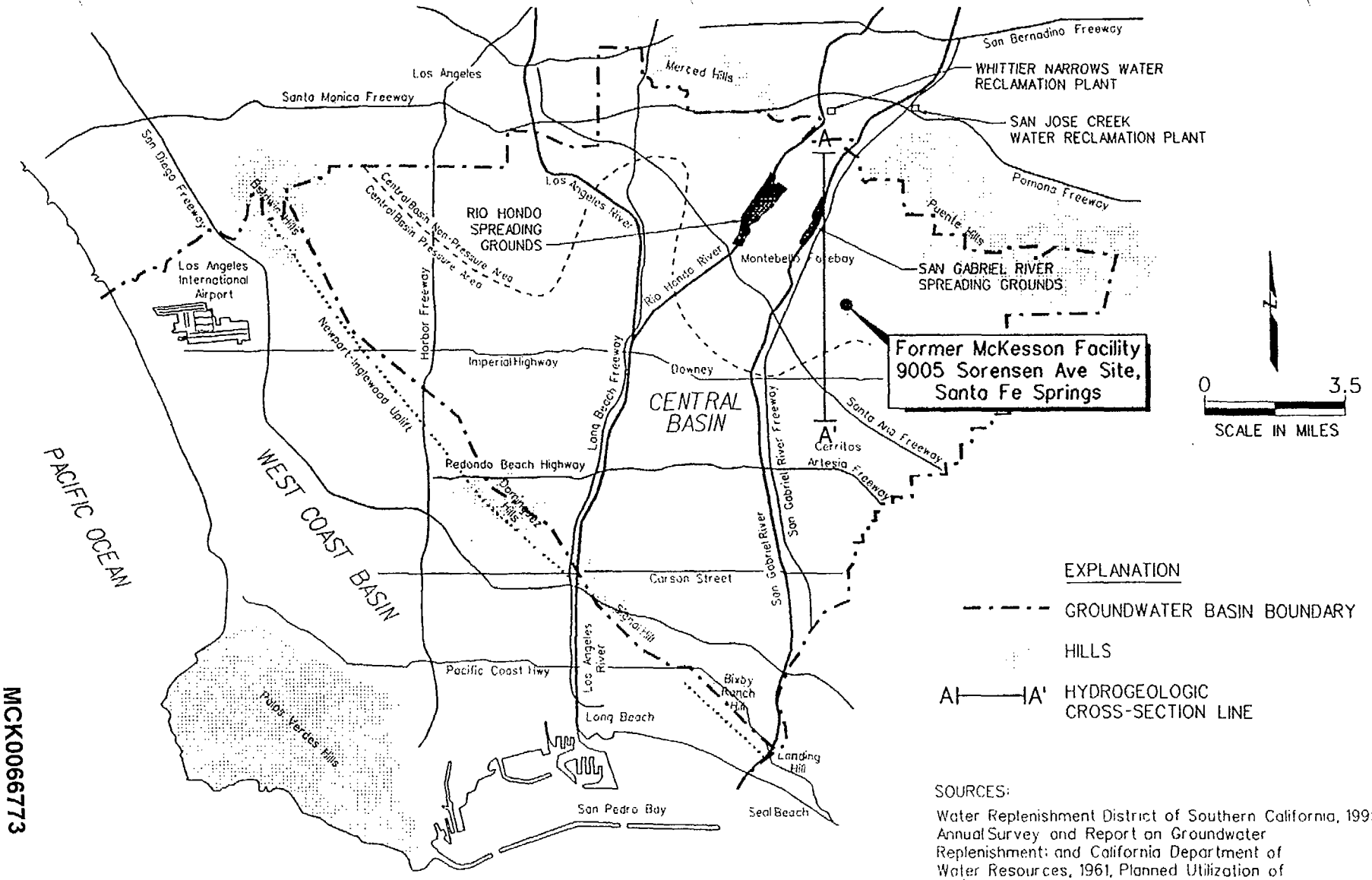

SOURCES:
Water Replenishment District of Southern California, 1995, Annual Survey and Report on Groundwater Replenishment; and California Department of Water Resources, 1961, Planned Utilization of the Groundwater Basin of the Coastal Plain of Los Angeles County, Appendix A Groundwater Geology: Bulletin No. 104

SOURCE: GEOMATRIX INTERIM REMEDIAL MEASURE ANALYSIS OF ALTERNATIVES AND WORK PLAN FOR DESIGN, 1995. FIGURE 4

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DOCUMENT NO.	
DATE:	FEBRUARY 2007

FIGURE 4

REGIONAL HYDROGEOLOGY - PLAN VIEW
FORMER MCKESSON CHEMICAL COMPANY
SANTA FE SPRINGS, CALIFORNIA

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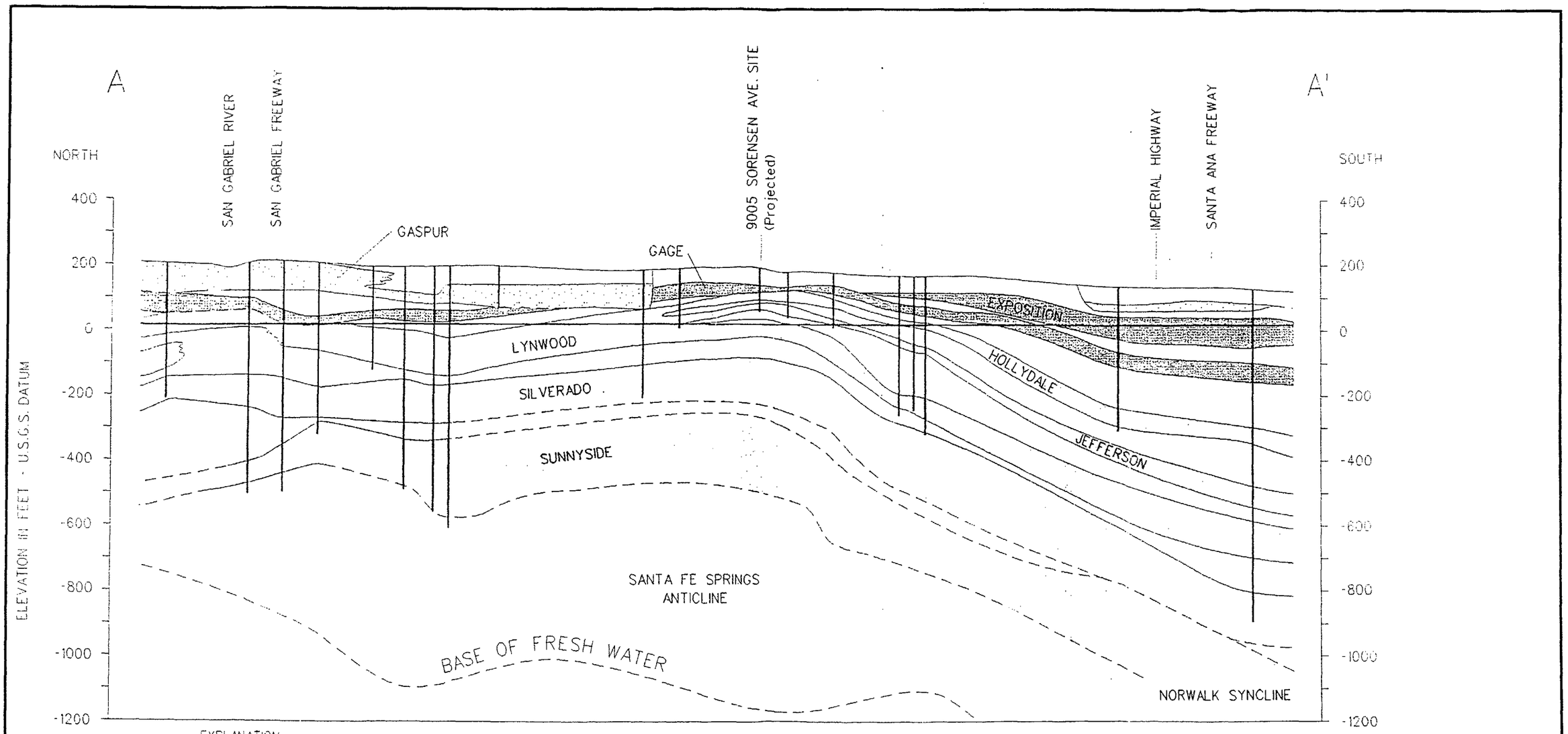

EXPLANATION

- AQUITARDS AND DEEPER UNDIFFERENTIATED FORMATIONS
- AQUIFERS IN RECENT ALLUVIUM (INCLUDES THE GASPUR AND BALLONA AQUIFERS)
- AQUIFERS IN LAKEWOOD FORMATION (INCLUDES THE ARTESIA, EXPOSITION, GAGE, AND GARDENA AQUIFERS)
- AQUIFERS IN SAN PEDRO FORMATION (INCLUDES THE HOLLYDALE, JEFFERSON, LYNWOOD, SILVERADO, AND SUNNYSIDE AQUIFERS)
- WATER SUPPLY WELL

300
0
0 3000
SCALE IN FEET
VERTICAL EXAGGERATION = 10x

See Figure 4 for Section location

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SOURCE: GEOMATRIX INTERIM REMEDIAL MEASURE ANALYSIS OF ALTERNATIVES AND WORK PLAN FOR DESIGN, 1995. FIGURE 4

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DATE: FEBRUARY 2007

FIGURE 5

REGIONAL HYDROGEOLOGIC - CROSS-SECTION A-A'
FORMER MCKESSON CHEMICAL COMPANY
SANTA FE SPRINGS, CALIFORNIA

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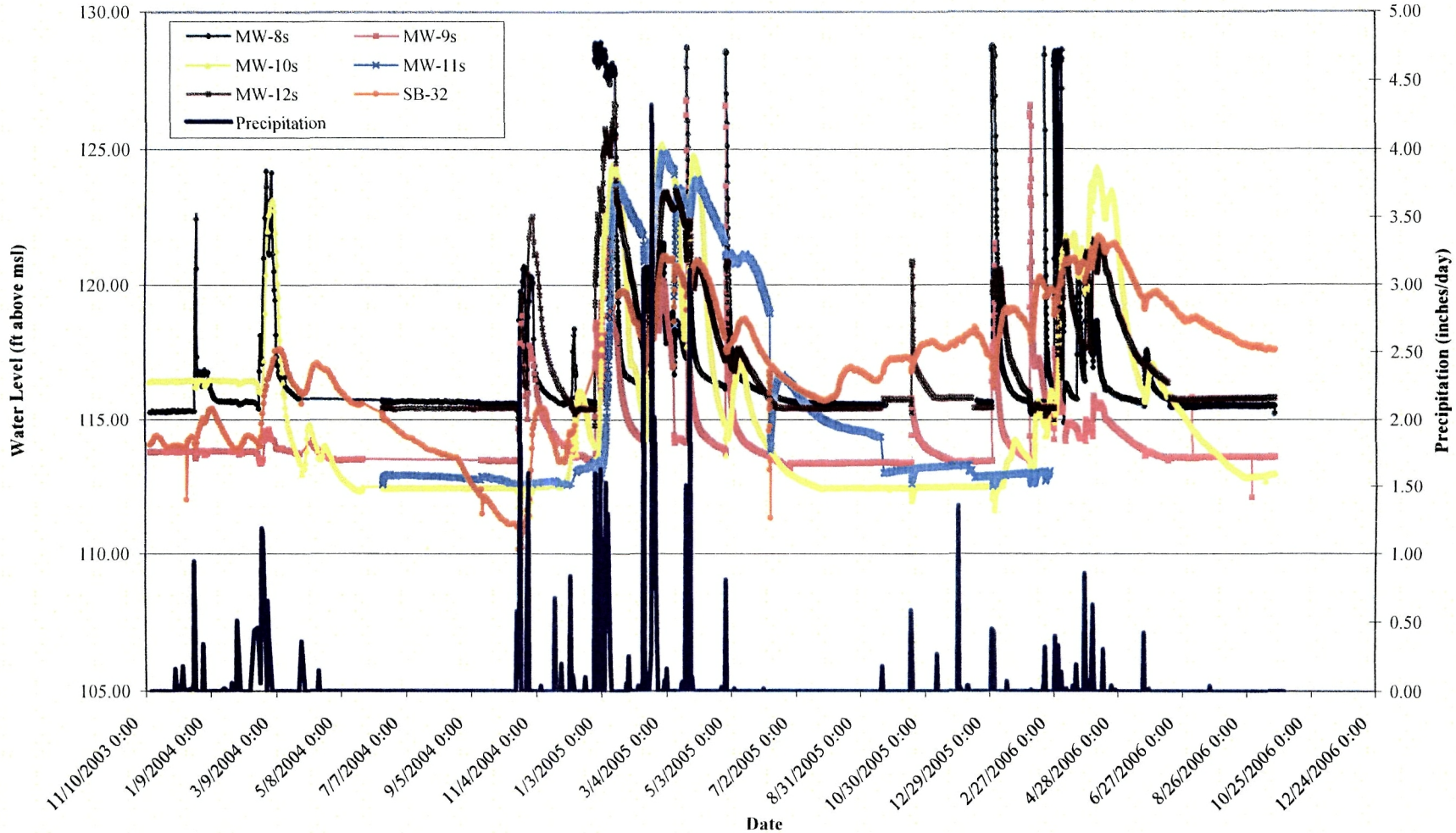
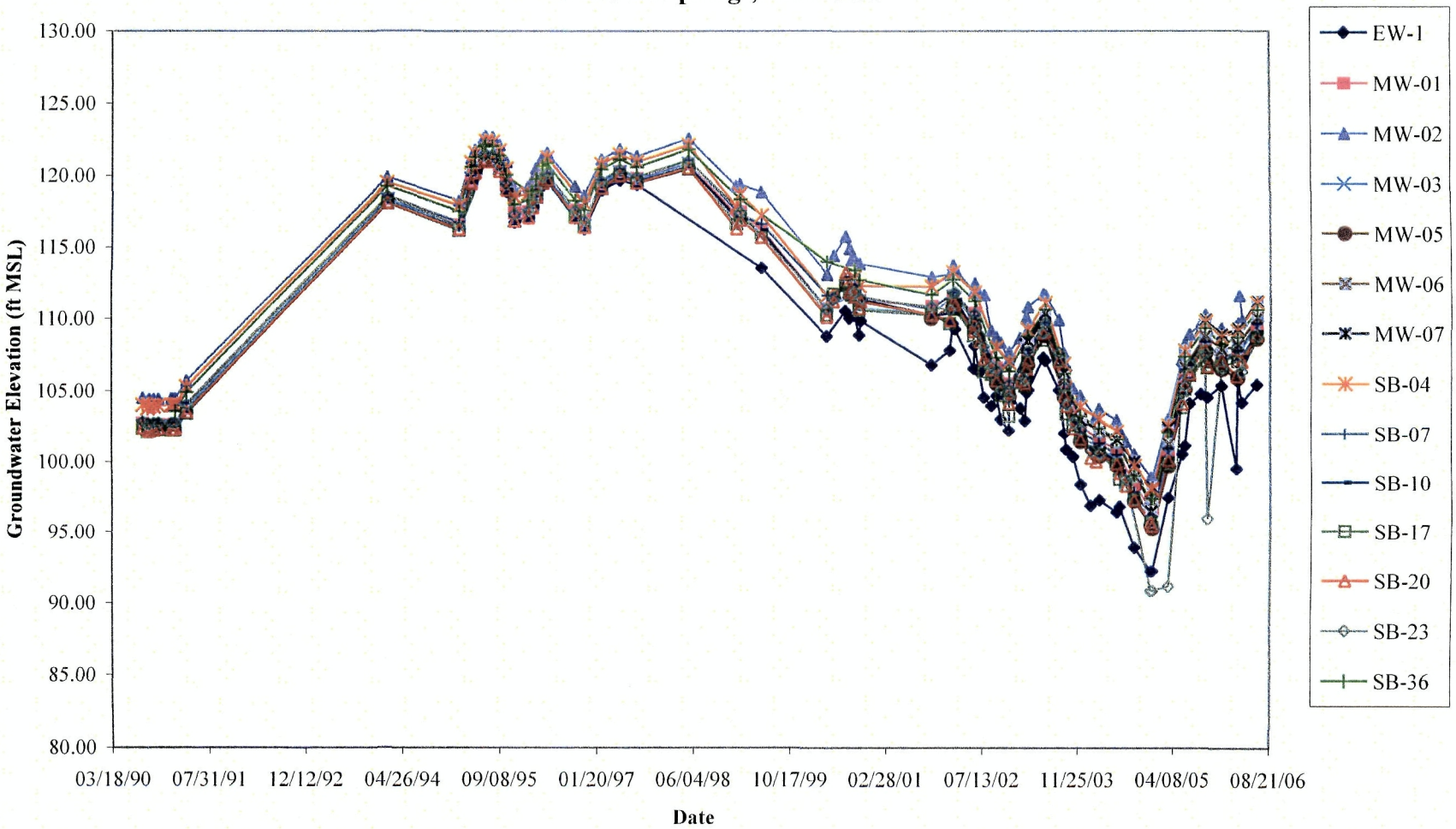
Figure 6
Shallow Monitoring Wells Hydrograph
October 10, 2004 - September 20, 2006
Former McKesson Chemical Company
Santa Fe Springs, California



Well MW-11s was converted to a vapor extraction well.

Figure 7
Historical Groundwater Elevations
A_1 Groundwater Zone Monitoring Wells
Former McKesson Chemical Company
Santa Fe Springs, California



HA0620/AppB/A1 Zone

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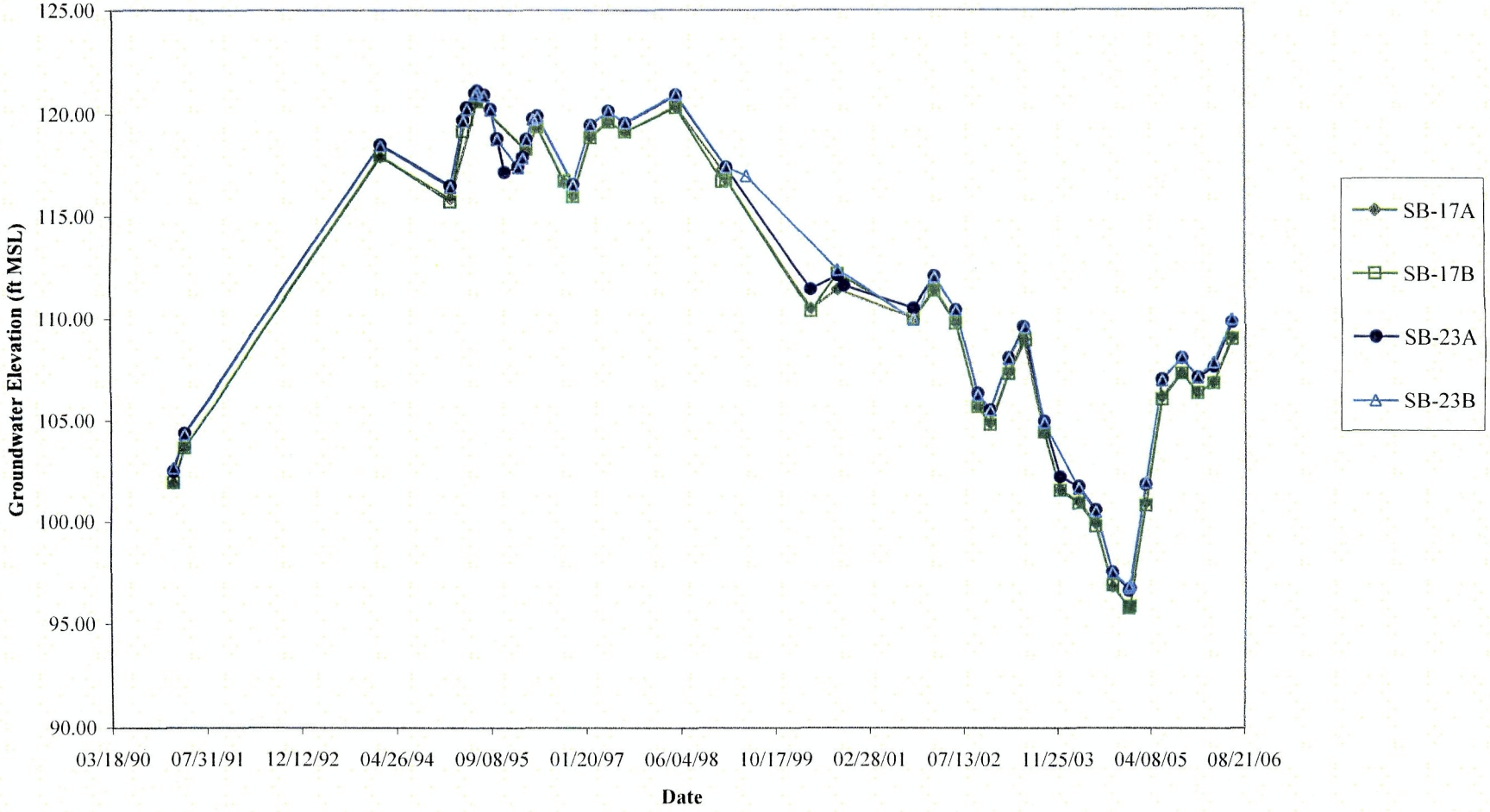
Figure 8
Historical Groundwater Elevations
A_2 Groundwater Zone Monitoring Wells
Former McKesson Chemical Company
Santa Fe Springs, California



HA0620/AppB/A2 Zone

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Legend

City Supply Wells

Site Boundary

Industrial Area

Groundwater gradient

0 1,000 2,000 Feet

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February 2007

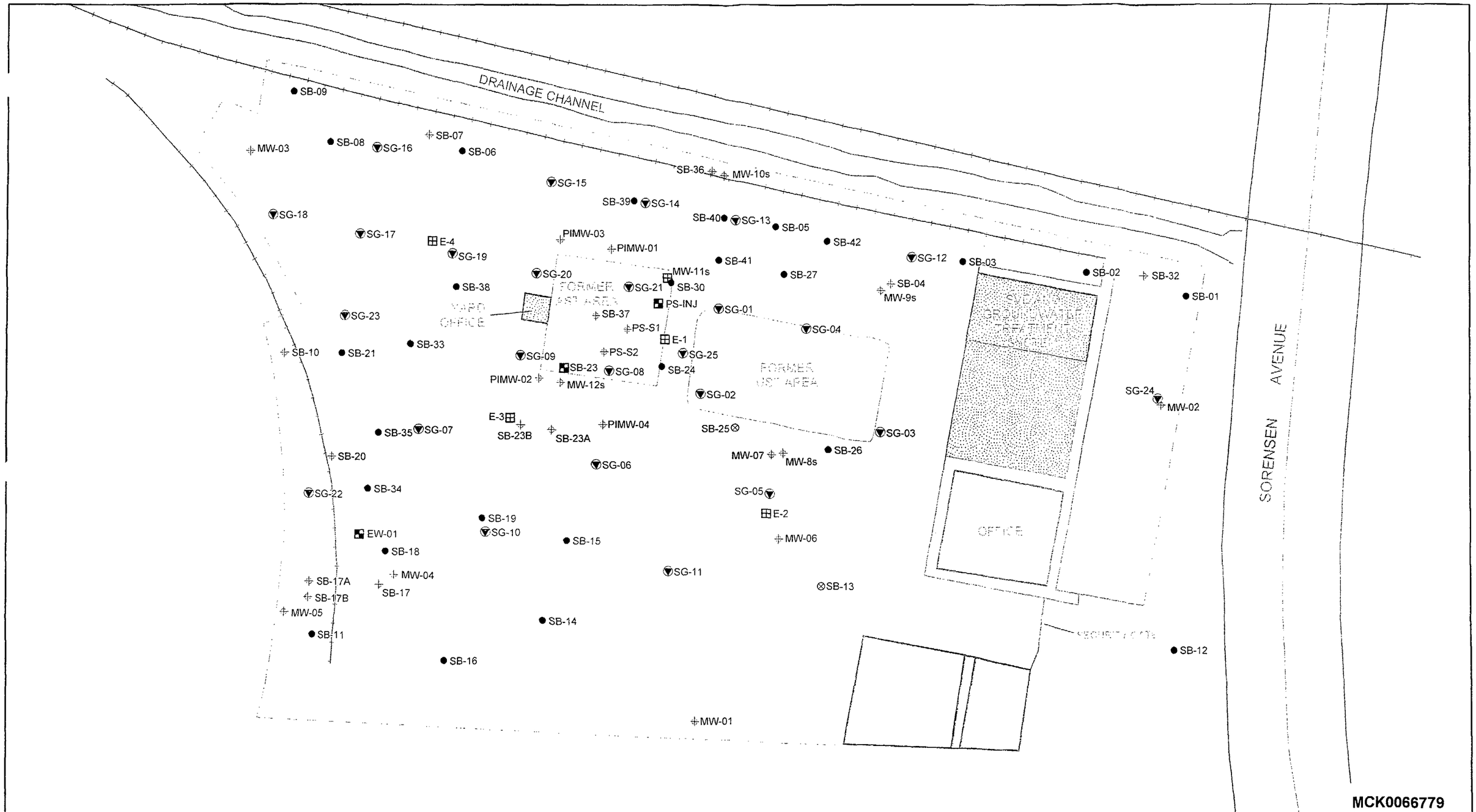
Figure 9

Regional Landuse

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\AerialFeb2006.mxd

MCK0066778



Legend

MW-01 Sample Location and Name

- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Soil Sample Location
- Soil Gas Sample Location
- Abandoned Well
- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

0 25 50 Feet

NOTE. Base map adapted from site plans prepared by Geomatrix (2001)

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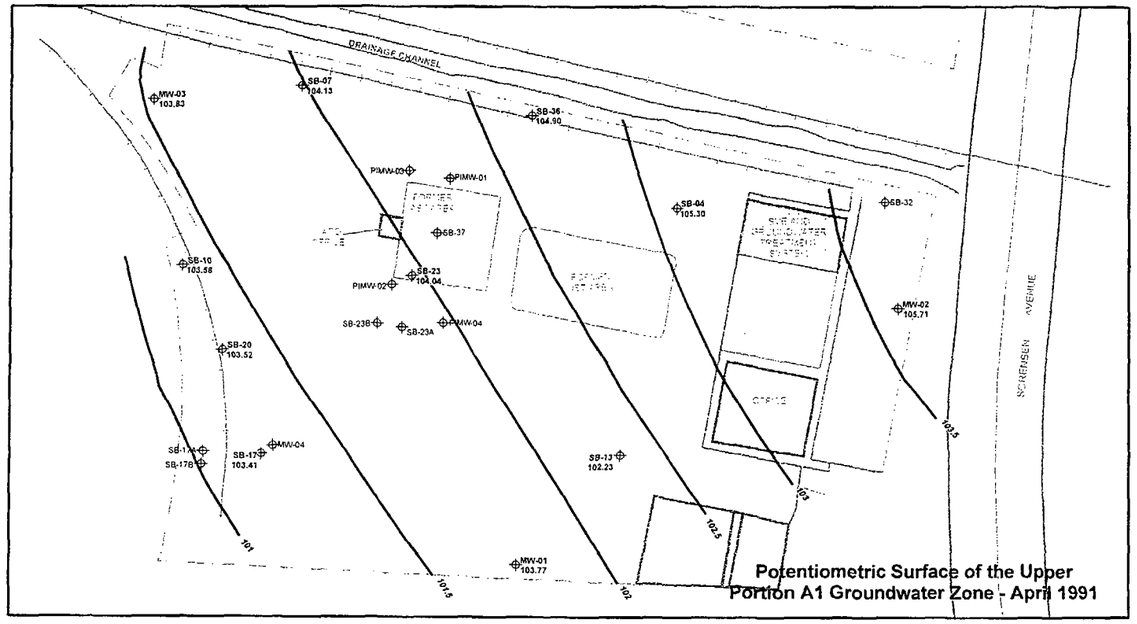
Figure 10

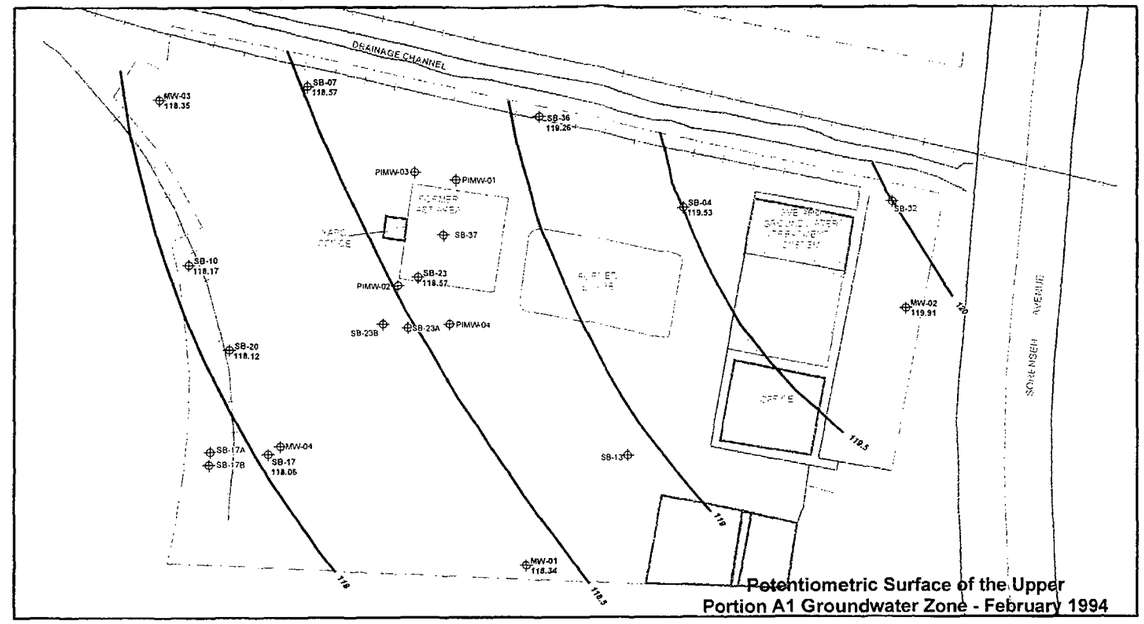
On Site Investigation Locations

Former McKesson Chemical Company
Santa Fe Springs, California

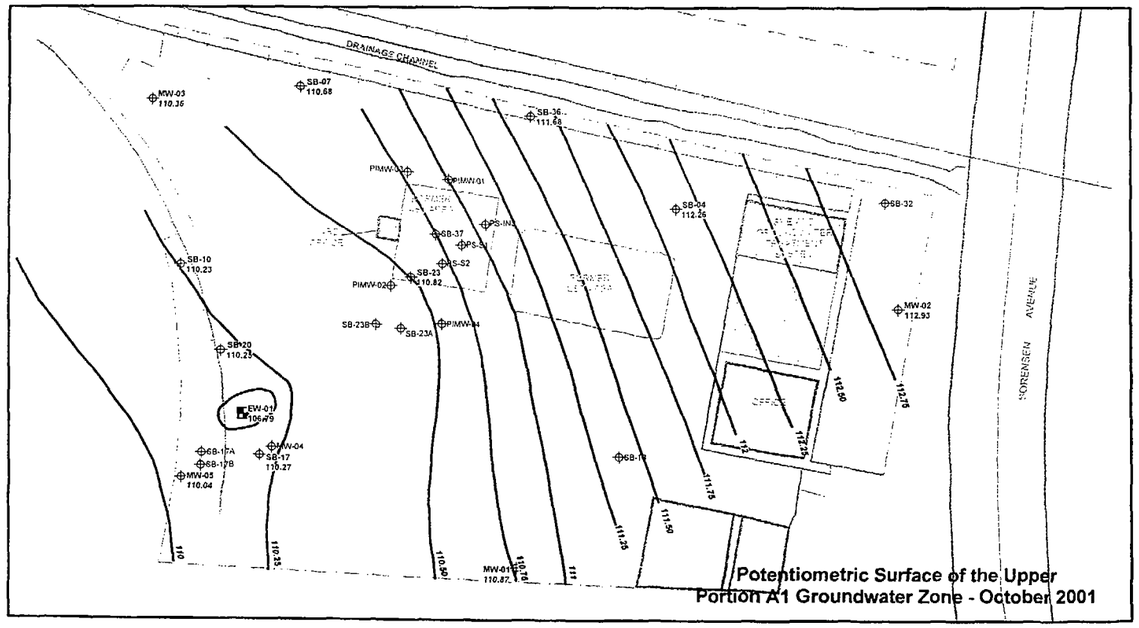
P:\GIS\mckesson\project\2007FebSYR\SiteInvLocs.mxd



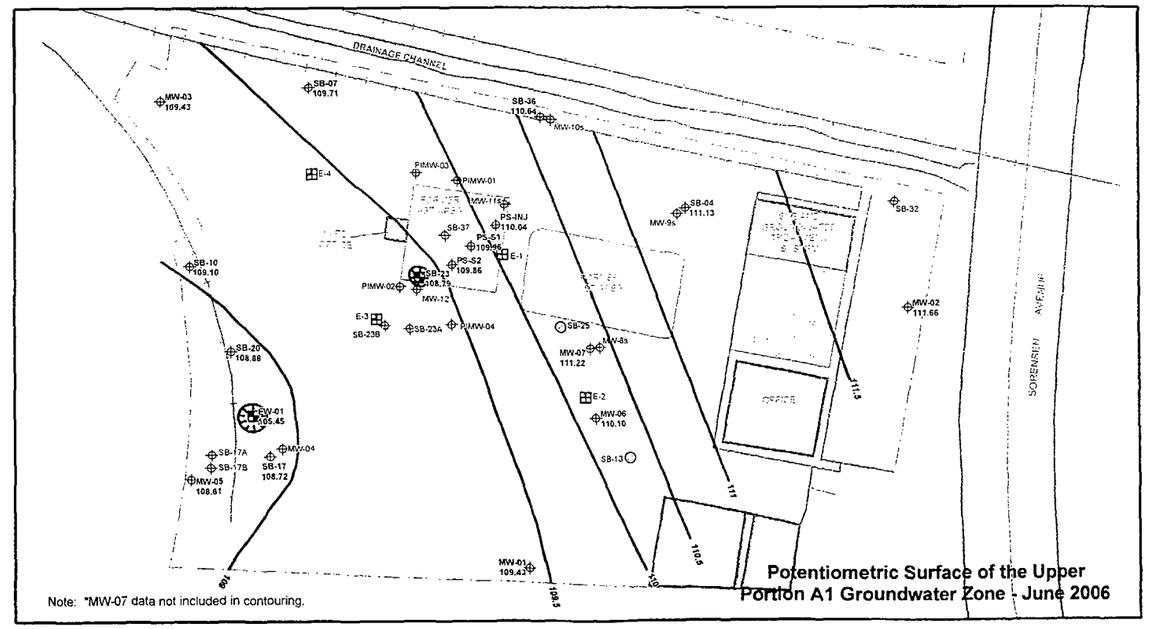
Potentiometric Surface of the Upper Portion A1 Groundwater Zone - April 1991



Potentiometric Surface of the Upper Portion A1 Groundwater Zone - February 1994



Potentiometric Surface of the Upper Portion A1 Groundwater Zone - October 2001



Note: *MW-07 data not included in contouring.

Potentiometric Surface of the Upper Portion A1 Groundwater Zone - June 2006

Legend

- MW-01 Well Location and Name
- 107.54 Groundwater Elevation in feet MSL.
- 108 Potentiometric Contour
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well
- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

NOTE: Base map adapted from site plans prepared by Geomatrix (2001)

N

0 50 100 Feet

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Project No. HA0620-15

Document No.

February 2007

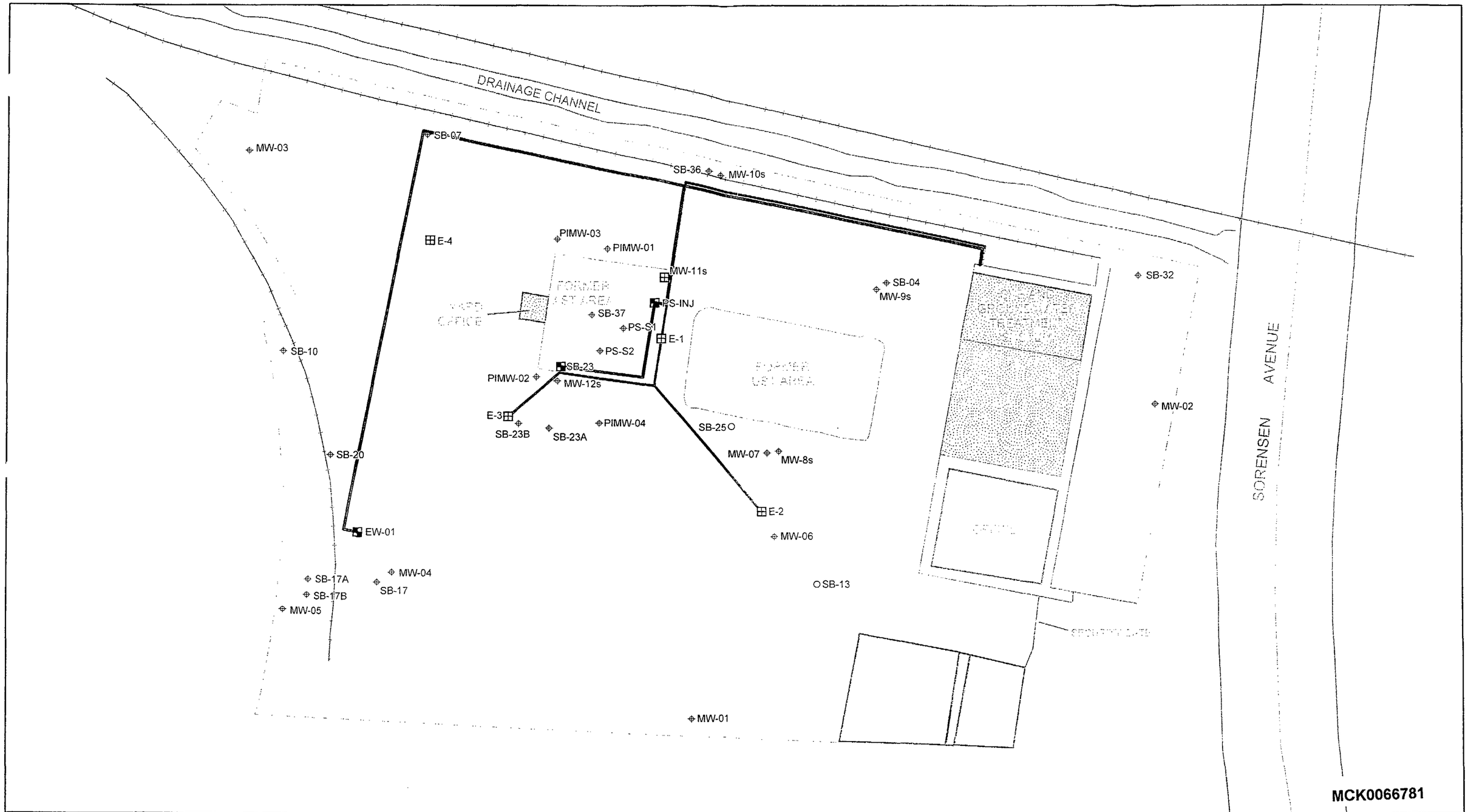
Figure 11

Potentiometric Surfaces of the Upper Portion A1 Groundwater Zone

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\Potentiomentric.mxd

MCK0066780



Legend

MW-01 Sample Location and Name

- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well
- Groundwater Extraction System
- Vapor Extraction System
- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

0 25 50 Feet

NOTE: Base map adapted from site plans prepared by Geomatrix (2001)

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Project No. HA0620-15

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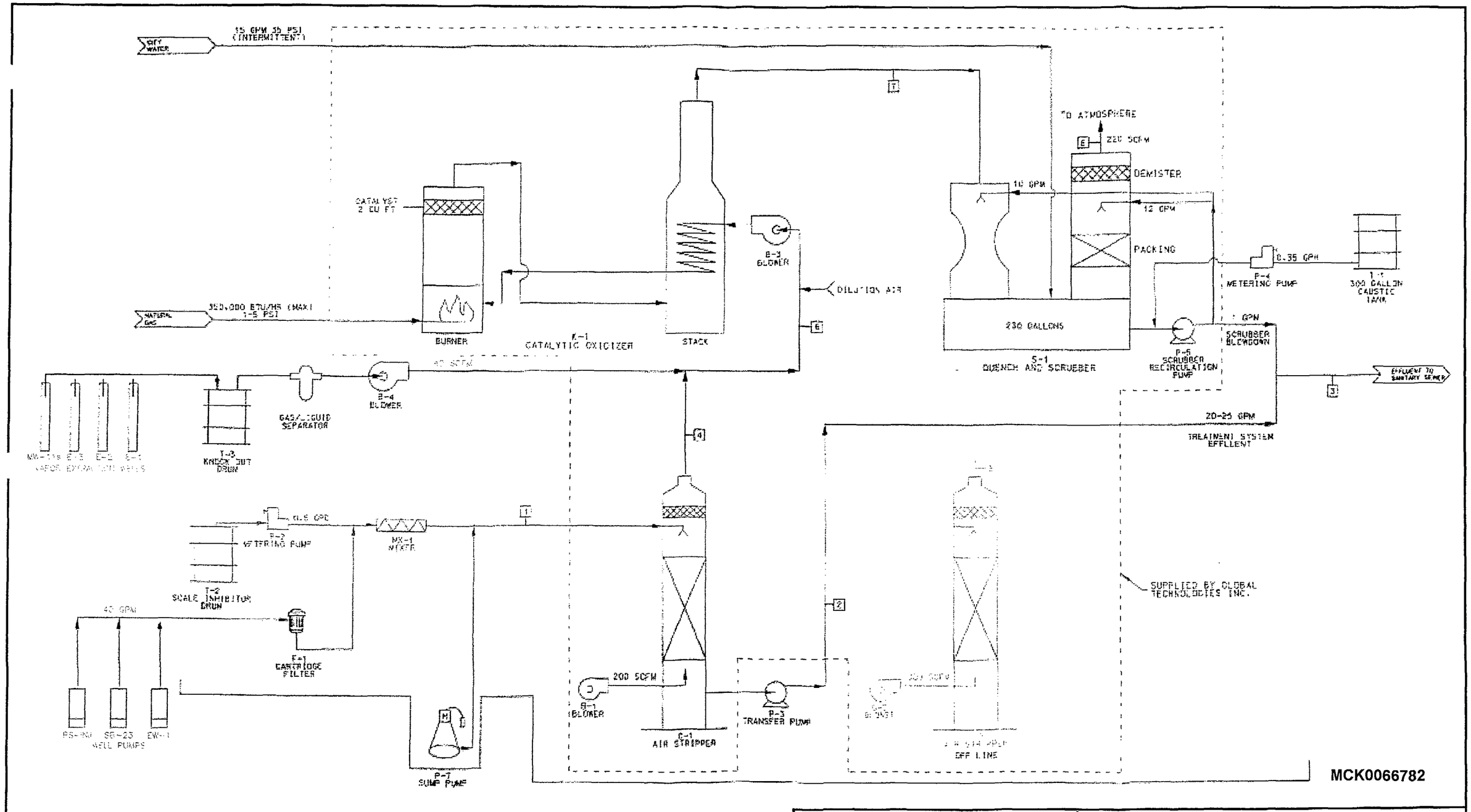
February 2007

Figure 12

Extraction and Treatment System Layout

Former McKesson Chemical Company
Santa Fe Springs, California

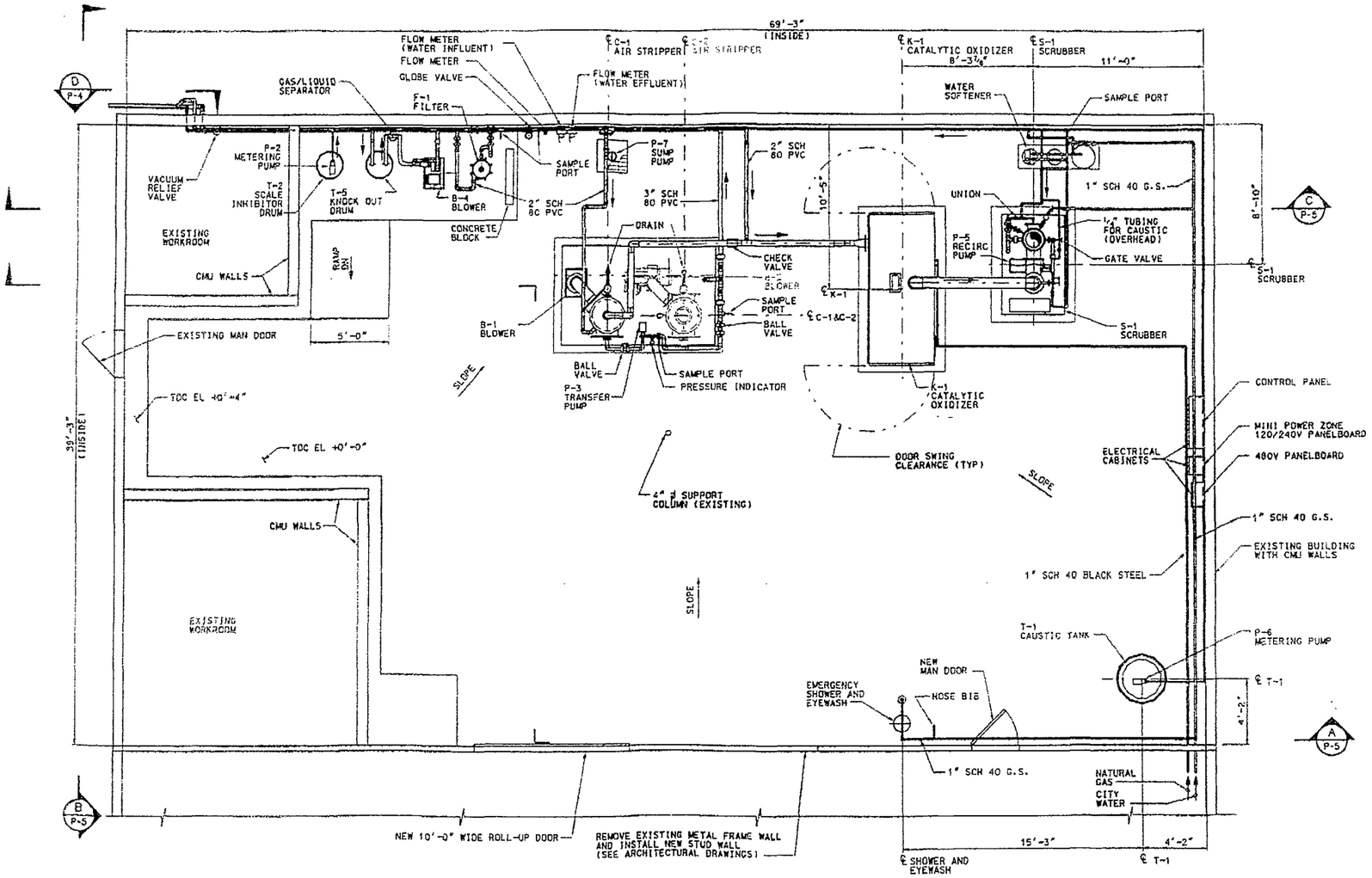
P:\GIS\mckesson\project\2007Feb5YR\SiteExtraction.mxd



SOURCE: GEOMATRIX REVISED IRM IMPLEMENTATION REPORT, 2000. FIGURE P2

Geosyntec consultants	FIGURE 13
PROJECT NO. HA0620-15	**GROUNDWATER AND SOIL VAPOR TREATMENT PROCESS FLOW DIAGRAM**
DOCUMENT NO.	FORMER MCKESSON CHEMICAL COMPANY
DATE: FEBRUARY 2007	SANTA FE SPRINGS, CALIFORNIA

P:\GIS\mckesson\All\2007Jan5YR\GeomatrixP2.ai



TREATMENT PLANT - PLAN VIEW

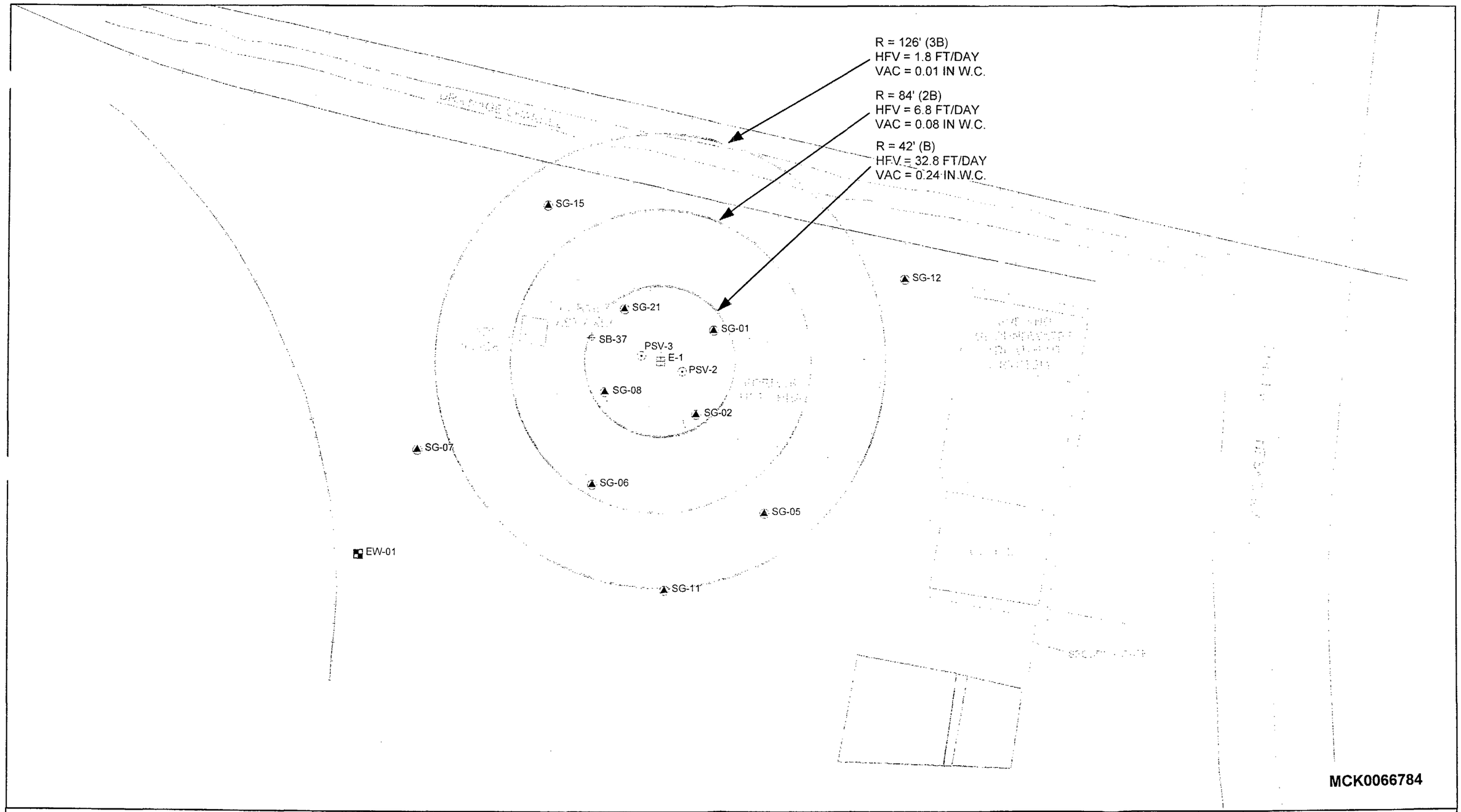
MCK0066783

NOTE:
PIPE SUPPORTS NOT SHOWN. CONTRACTOR TO PROVIDE ADEQUATE SUPPORTS TO PREVENT SAGGING OR EXCESSIVE PIPE STRESS.

SOURCE: GEOMATRIX REVISED IRM IMPLEMENTATION REPORT, 2000. FIGURE P4

Geosyntec consultants	FIGURE 14
PROJECT NO. HA0620-15	**PIPING AND EQUIPMENT ARRANGEMENT PLAN** FORMER MCKESSON CHEMICAL COMPANY SANTA FE SPRINGS, CALIFORNIA
DOCUMENT NO.	
DATE: FEBRUARY 2007	

P:\GIS\mckesson\AI\2007Jan5YR\GeomatrixP4.ai



Legend

- MW-01 Sample Location and Name
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Soil Gas Sample Location
- Radial Distance of B, 2B, and 3B (B = Leakage Factor
- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

HFV = Horizontal Flow Velocity
VAC = Observed Vacuum Response

The SVE system operated at a flow rate of 25 scfm

NOTE: Base map adapted from site plans prepared by Geomatrix (2001)

0 25 50 Feet

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Project No. HA0620-15

Document No.

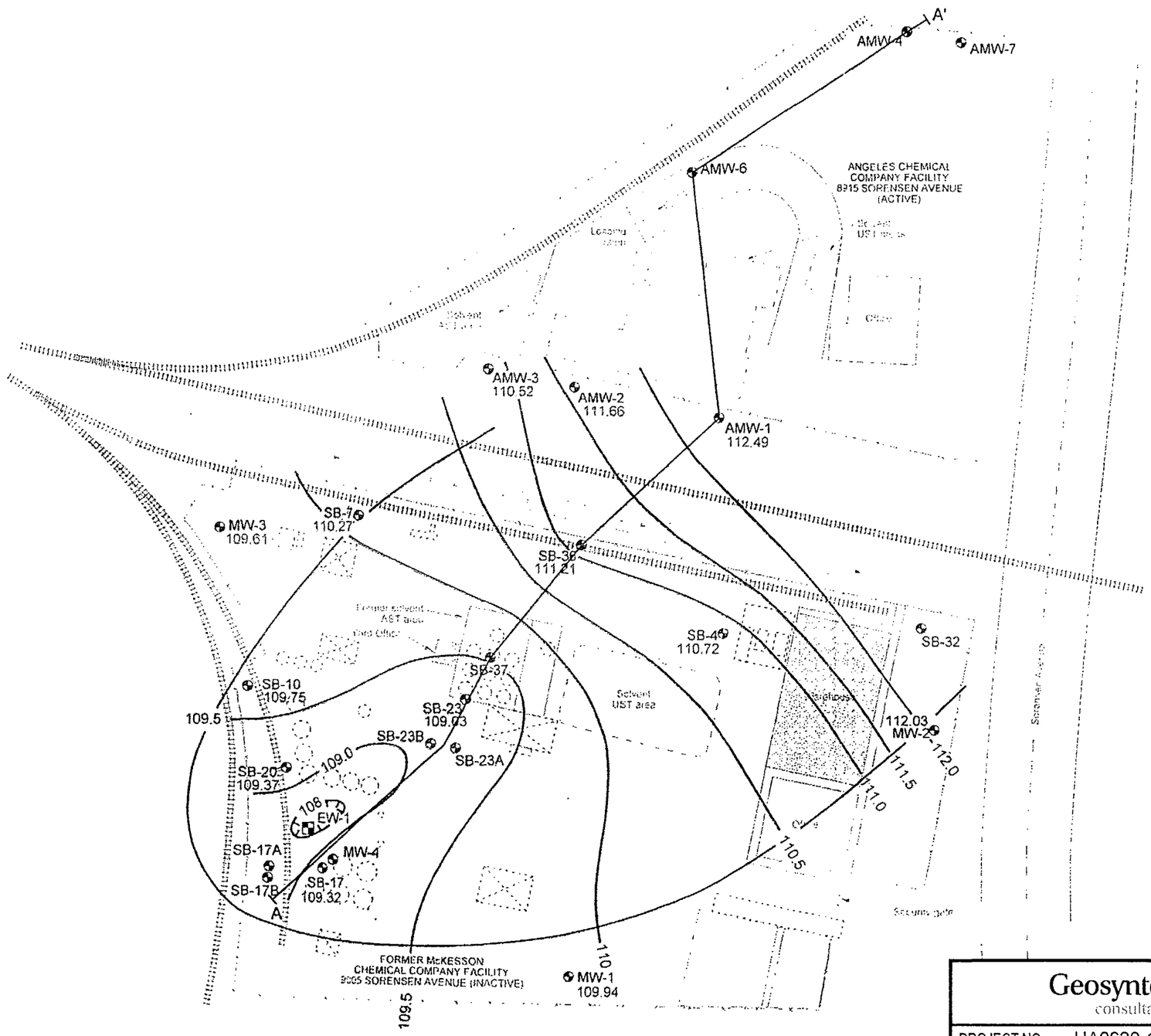
February 2007

Figure 15

ESTIMATED ROI FOR E-1 - 2001

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007FebSYR\ExtractionResults.mxd



N

0 80
SCALE IN FEET

EXPLANATION

MW-2	Monitoring well location
PS-V1	Bioremediation pilot study vadose zone monitoring cluster location
PS-S1	Bioremediation pilot study saturated zone well location
PS-INJ	Bioremediation pilot study monitoring location
	Concrete surfacing
	Building
	Railroad tracks
	Cyclone fence
A—A'	Cross Section A - A'
111.0	Line of equal elevation of potentiometric surface in A_1 zone. Contour interval is 0.5 feet. Contours drawn for clarity only and are not intended to imply certainty.
109.03	Water level elevation in feet above mean sea level
	Estimated area of hydraulic containment due to pumping from well EW-1.

NOTES:

1. Water level for well SB-36 measured on September 23, 2000.
2. Extraction well EW-1 was pumping at approximately 20 gallons per minute on September 19, 2000; the average pumping rate for the period of September 13 to September 20, 2000 was approximately 11.3 gpm.
3. Water level information for wells AMW-1, AMW-2, AMW-3 provided by DTSC.

SOURCE: GEOMATRIX REVISED IRM IMPLEMENTATION REPORT, 2000. FIGURE 11

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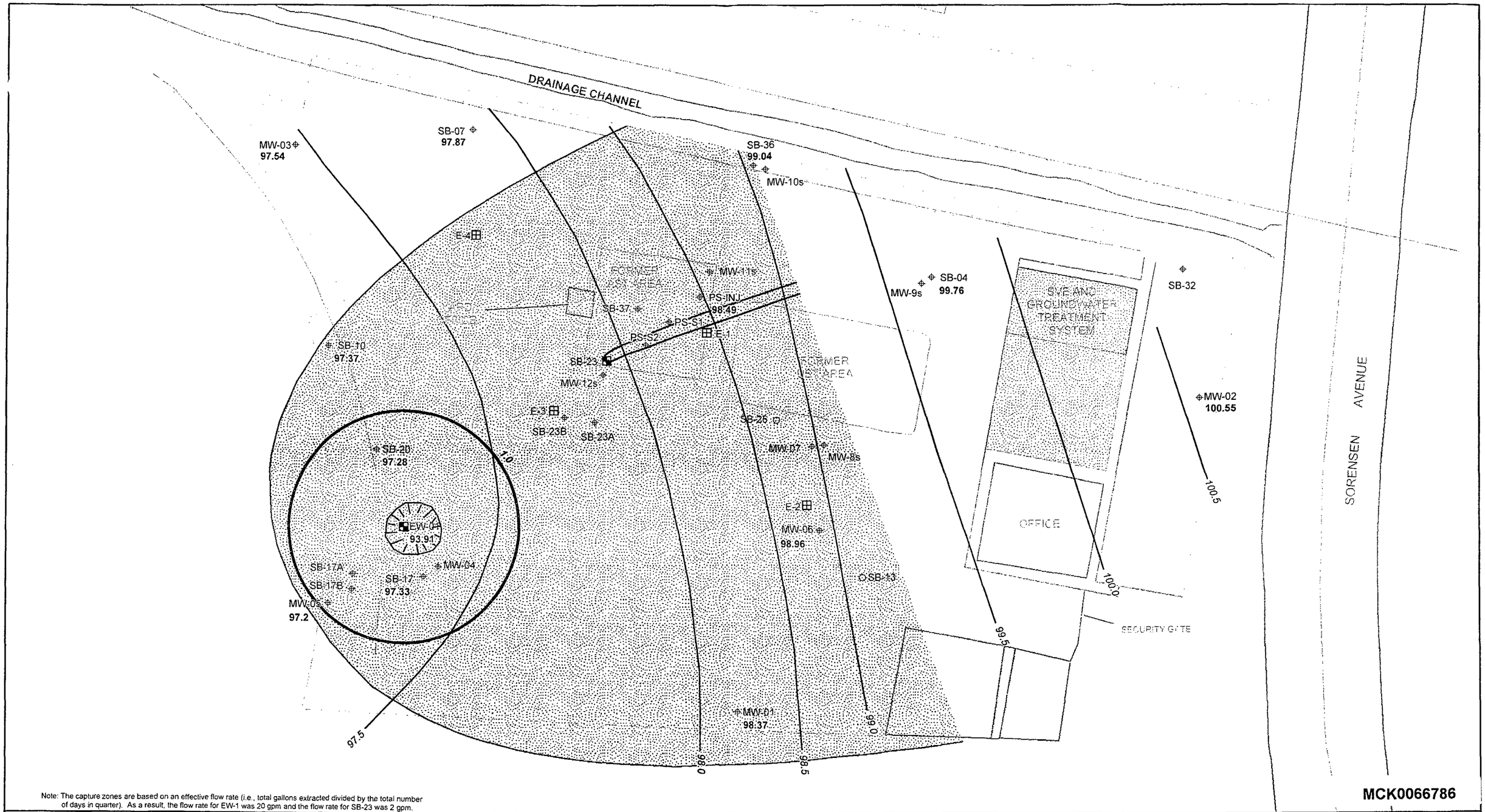
PROJECT NO. HA0620-15
DOCUMENT NO.
DATE: FEBRUARY 2007

FIGURE 16

ESTIMATED CAPTURE ZONE FOR GROUNDWATER EXTRACTION - 2000
FORMER MCKESSON CHEMICAL COMPANY
SANTA FE SPRINGS, CALIFORNIA

P:\GIS\mckesson\All\2007Jan5YR\Geomatrix11.ai



Note: The capture zones are based on an effective flow rate (i.e., total gallons extracted divided by the total number of days in quarter). As a result, the flow rate for EW-1 was 20 gpm and the flow rate for SB-23 was 2 gpm.

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Legend

- W-01 Well Location and Name
- 8.37 Groundwater Elevation in feet MSL 13 September 2004
- 100.5 Potentiometric Contour (0.5 foot interval)
- Drawdown
- EW-1 Hydraulic Capture Zone
- SB-23 Hydraulic Capture Zone
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well
- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

N

0 50 Feet

NOTE: Base map adapted from site plans prepared by Geomatrix (2001)

Geosyntec consultants

Project No. HA0620-15

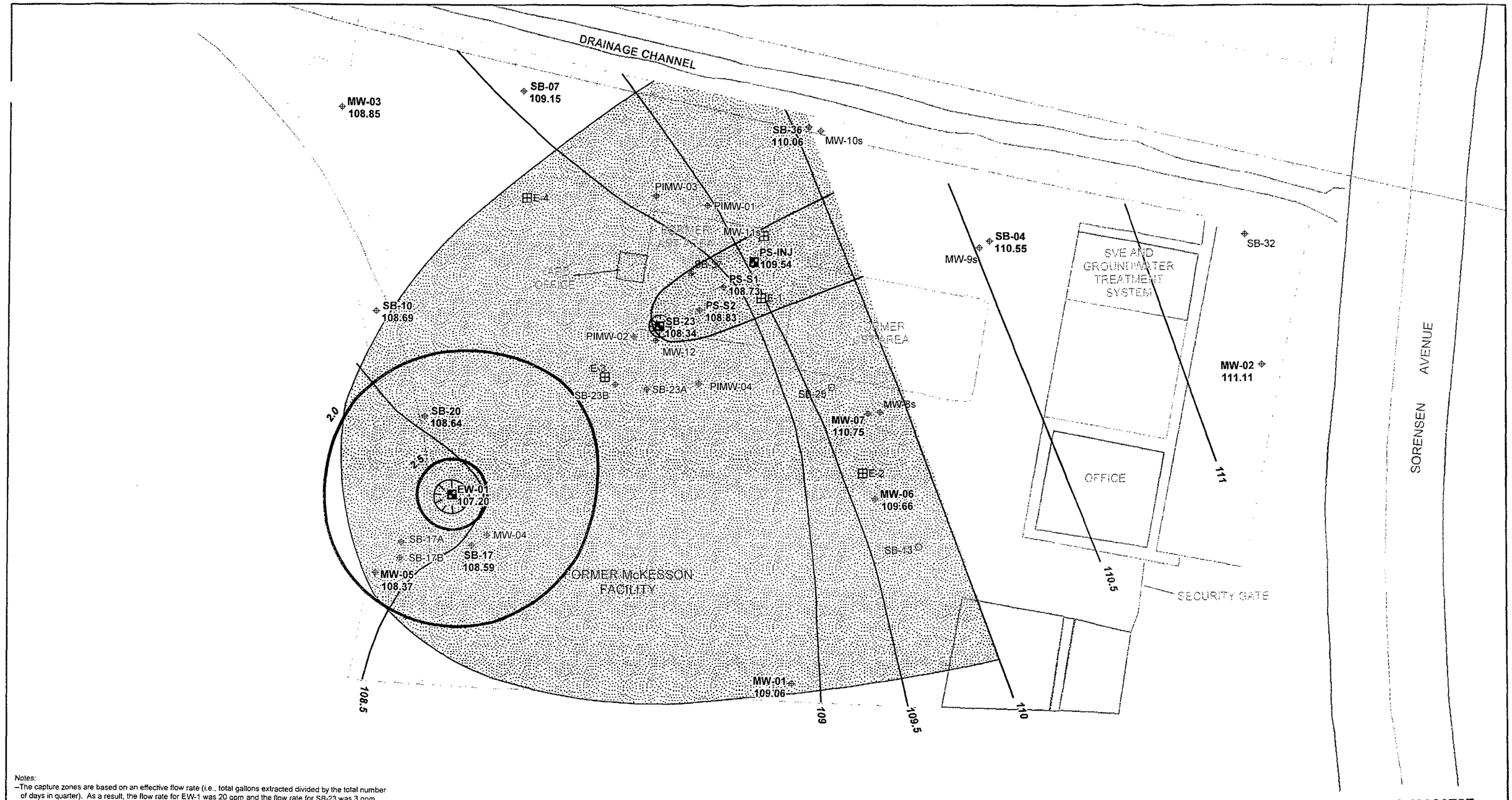
Document No.

February 2007

Figure 17

Hydraulic Capture Zone Groundwater Extraction System - 13 September 2004

Former McKesson Chemical Company
Santa Fe Springs, California



Notes:
–The capture zones are based on an effective flow rate (i.e., total gallons extracted divided by the total number of days in quarter). As a result, the flow rate for EW-1 was 20 gpm and the flow rate for SB-23 was 3 gpm.
–Extraction from PS-INJ began on 11 September 2006.
–Groundwater elevation measured at MW-07 was not used in contouring.

MCK0066787

Legend

- MW-01 09.06 — Well Location and Name; Groundwater Elevation in feet MSL 20 September 2006.
- 109 — Potentiometric Contour based on water level data (0.5 foot interval)
- Modeled Drawdown (0.5 foot interval)
- EW-1 Hydraulic Capture Zone
- SB-23 Hydraulic Capture Zone
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well
- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

0 — 50 Feet

NOTE: Base map adapted from site plans prepared by Geomatrix (2001)

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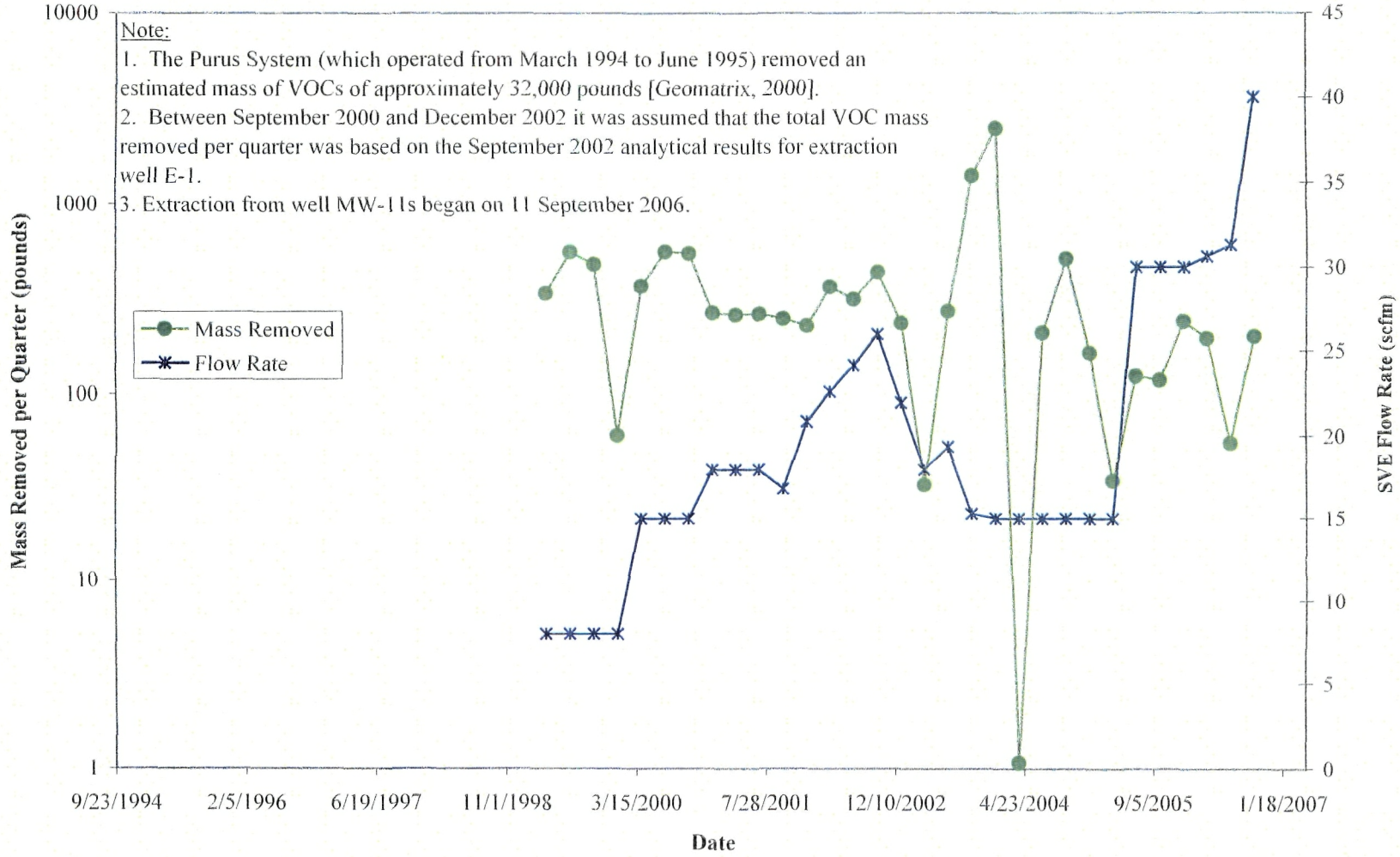
Project No. HA0620-15
Document No.
February 2007

Figure 18

Hydraulic Capture Zone Groundwater Extraction System - 20 September 2006
Former McKesson Chemical Company
Santa Fe Springs, California

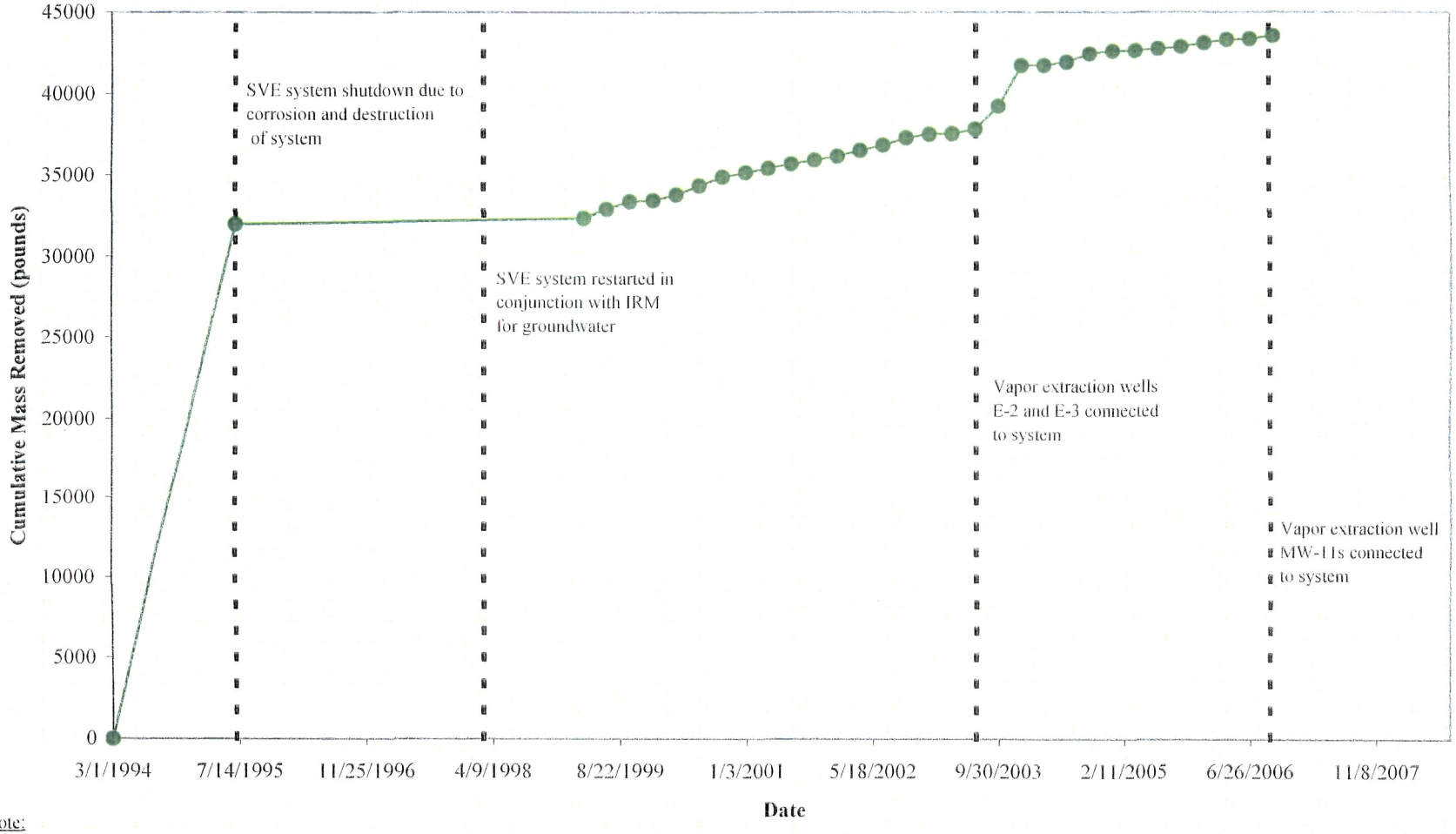
P:\GIS\mckesson\projects\2007Feb5YR\Capture2006.mxd

Figure 19
Estimated Mass of VOCs Removed per Quarter by SVE System
Former McKesson Chemical Company
Santa Fe Springs, California



MCK0066788

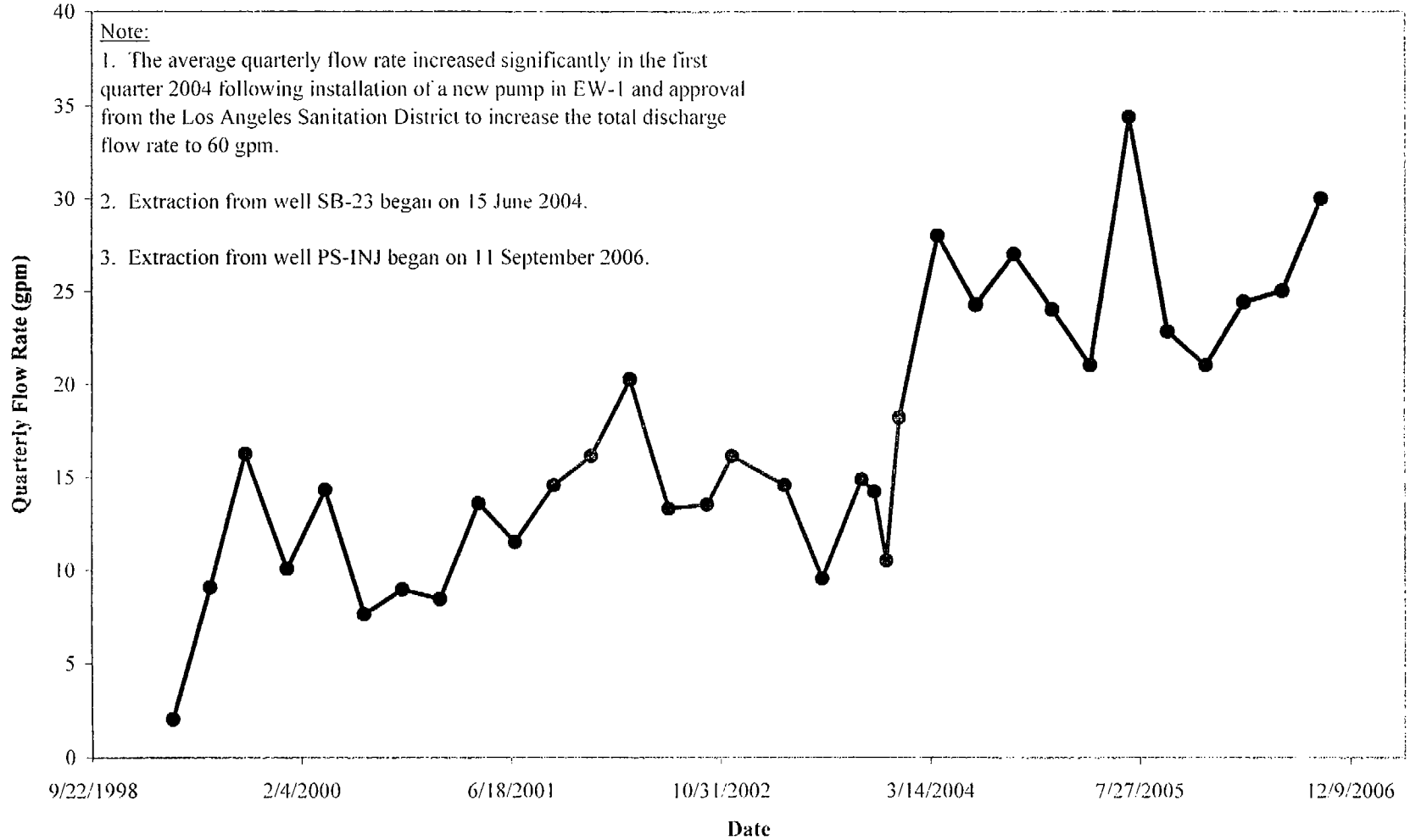
Figure 20
Cumulative Mass of VOCs Removed by SVE System
Former McKesson Chemical Company
Santa Fe Springs, California



Note:
1. The Purus System (which operated from March 1994 to June 1995) removed an estimated mass of VOCs of approximately 32,000 pounds [Geomatrix, 2000].
2. Between September 2000 and December 2002 it was assumed that the total VOC mass removed per quarter was based on the September 2002 analytical results for extraction well E-1.

MCK0066789

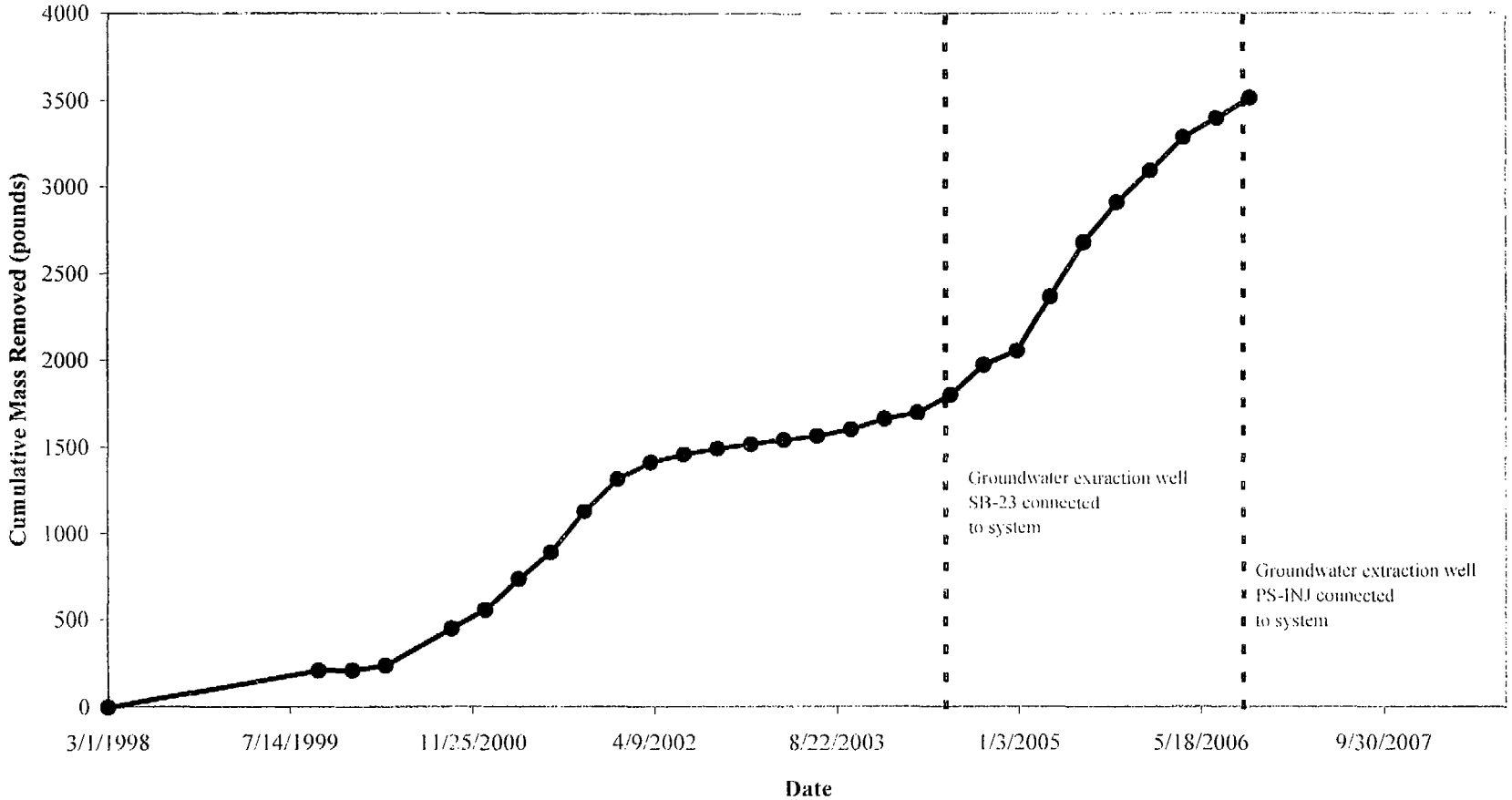
Figure 21
Quarterly Flow Rates for Extraction Wells EW-1 and SB-23
Former McKesson Chemical Company
Santa Fe Springs, California



H.10620 Figure 21

MCK0066790

Figure 22
Cumulative Mass of VOCs Removed by Groundwater Extraction System
Former McKesson Chemical Company
Santa Fe Springs, California



Note:
1. Between March 1998 and September 1999 it was assumed that the total VOC mass removed was based on an average flow rate of 15 gpm and a concentration of 2,000 ug/L for extraction well EW-1.
2. Between October 2000 and September 2001 it was assumed that the total VOC mass removed per quarter was based on the October 2001 analytical results for extraction well EW-1 and the average flow rate for the quarter.
3. Extraction from well SB-23 began on 15 June 2004.
4. Extraction from well PS-INJ began on 11 September 2006

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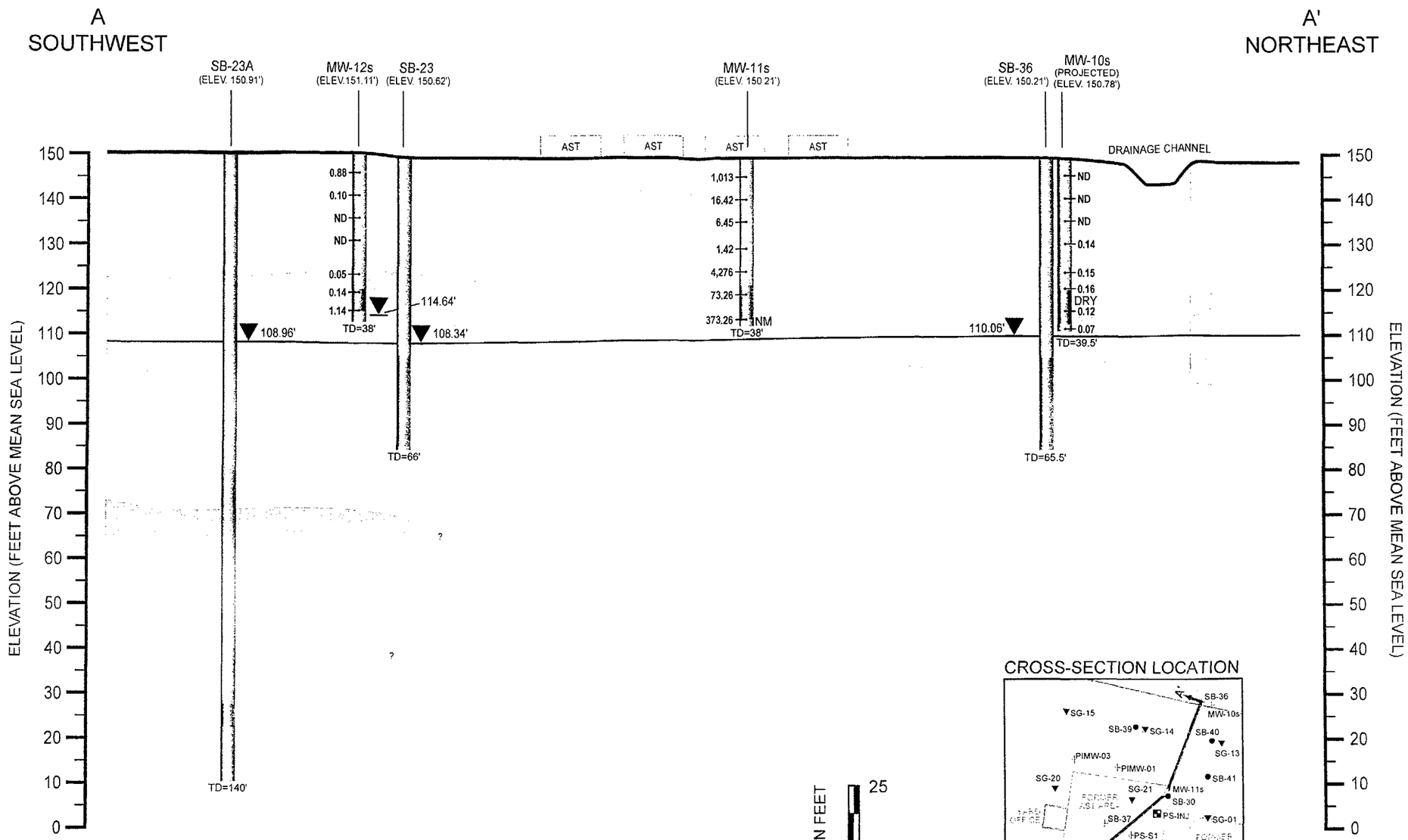

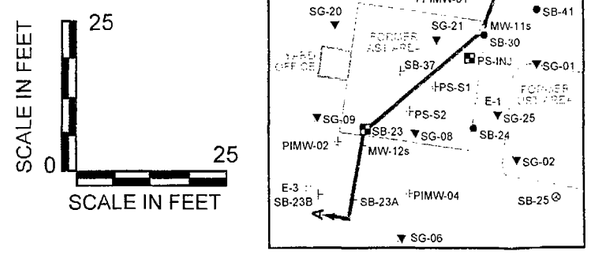

LEGEND

SP - SW

SM - SC

ML - CL

AST - Above-ground Storage Tank
ND - Not Detected
NM - Not Measured
TD - Total Depth

Well Casing

Well Screen Interval

108.34' Groundwater Elevation Measured In Feet MSL- September 2006

373.26 Total VOC Concentration In mg/kg (Milligrams Per Kilogram)

MCK0066792

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PROJECT NO. HA0620-15

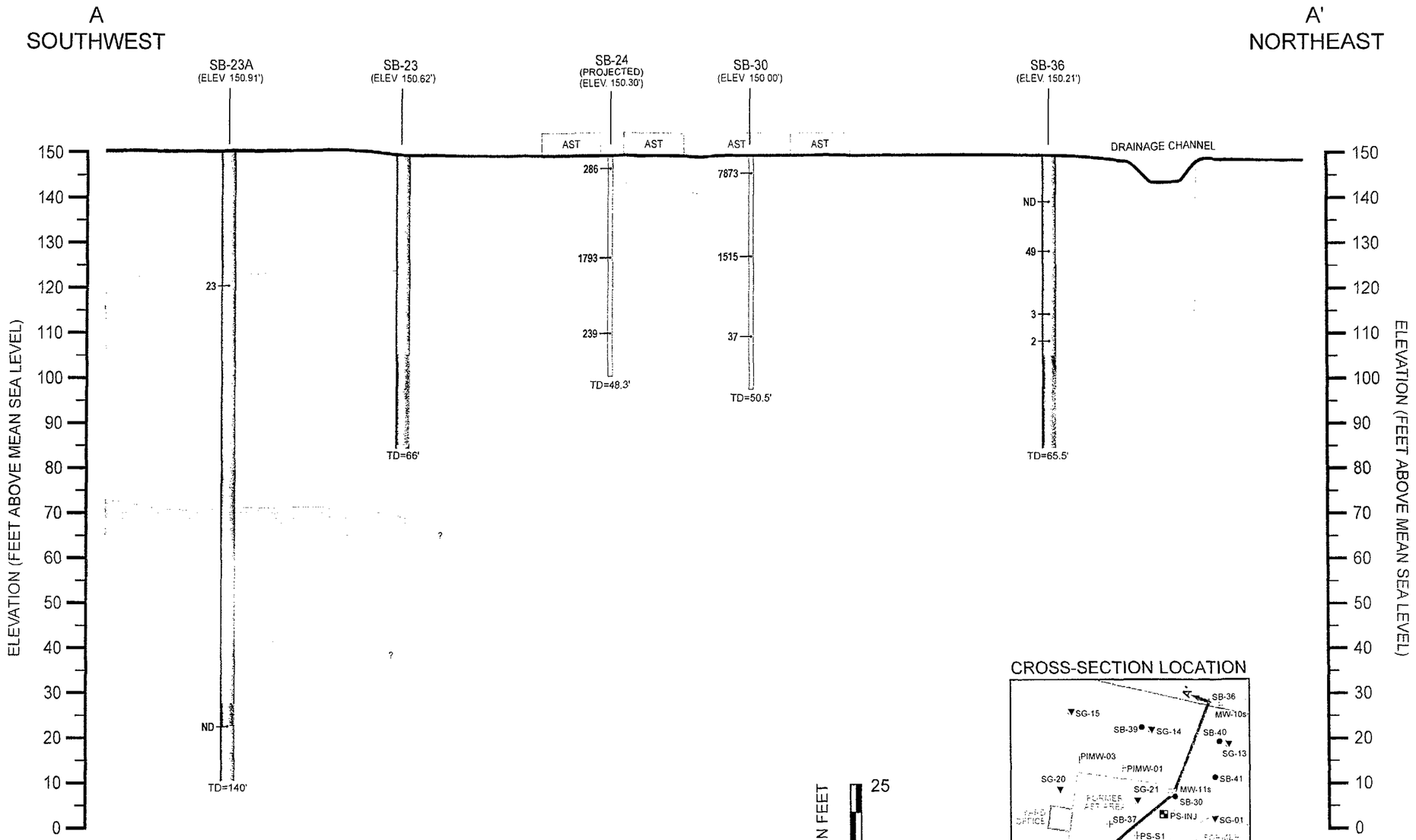
DOCUMENT NO.

DATE: FEBRUARY 2007

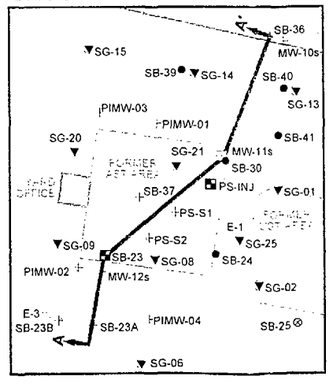
FIGURE 23

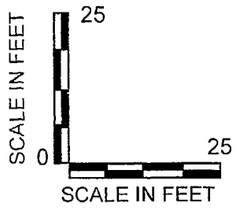
CONCENTRATIONS OF VOCs IN SOIL IN 2003
CROSS-SECTION A-A'
FORMER MCKESSON CHEMICAL COMPANY
SANTA FE SPRINGS, CALIFORNIA

P:\GIS\mckesson\AI\2007Jan5YR\Figure23



CROSS-SECTION LOCATION





LEGEND

- SP - SW
- SM - SC
- ML - CL

- Well Casing
- Well Screen Interval
- Soil Boring

AST - Above-ground Storage Tank
ND - Not Detected
NM - Not Measured
TD - Total Depth

373.26 → Total VOC Concentration In mg/kg (Milligrams Per Kilogram)
Well Samples taken in 1990, Soil Samples taken in 1991

MCK0066793

Geosyntec consultants

PROJECT NO. HA0620-15
DOCUMENT NO.
DATE: FEBRUARY 2007

FIGURE 24

CONCENTRATIONS OF VOCs IN SOIL
PRIOR TO REMEDIATION - CROSS-SECTION A-A'
FORMER MCKESSON CHEMICAL COMPANY
SANTA FE SPRINGS, CALIFORNIA

P:\GIS\mckesson\AI\2007Jan5YR\Figure24

Appendix A

MCK0066794

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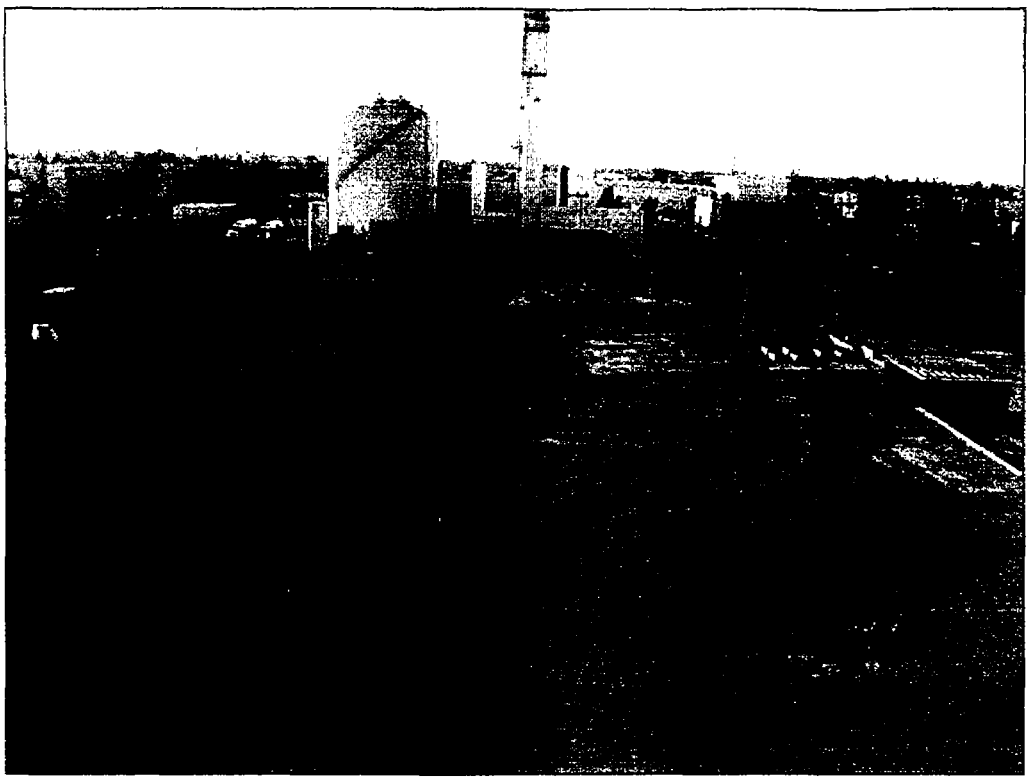
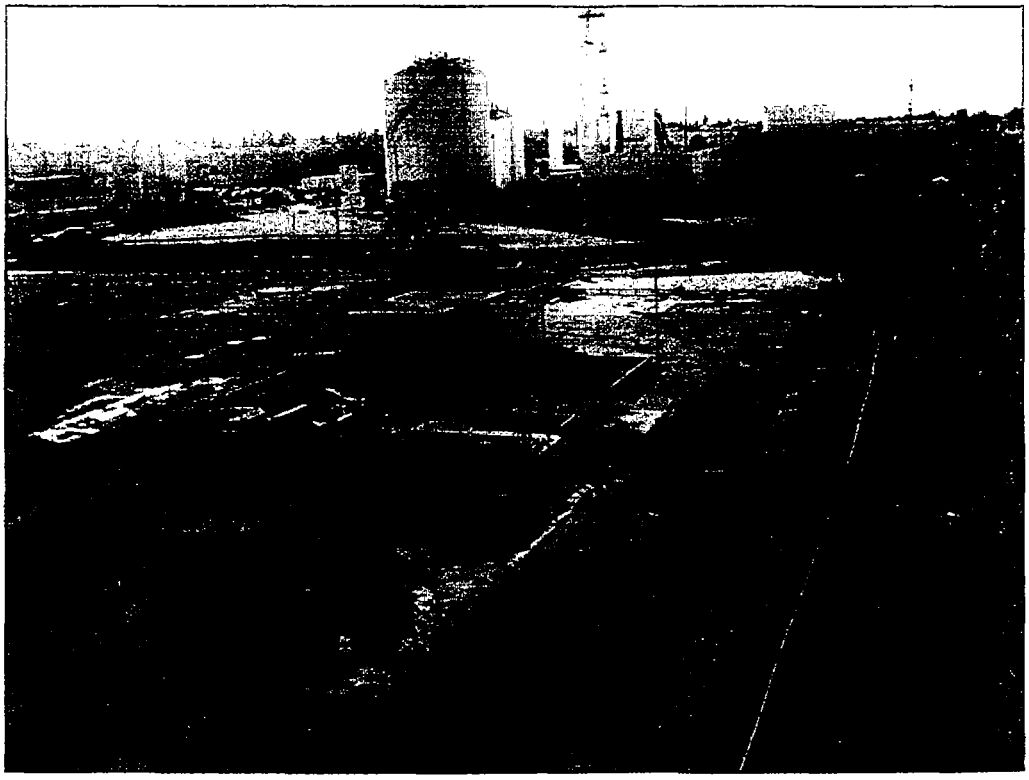
consultants

APPENDIX A

Site Inspection Photographs



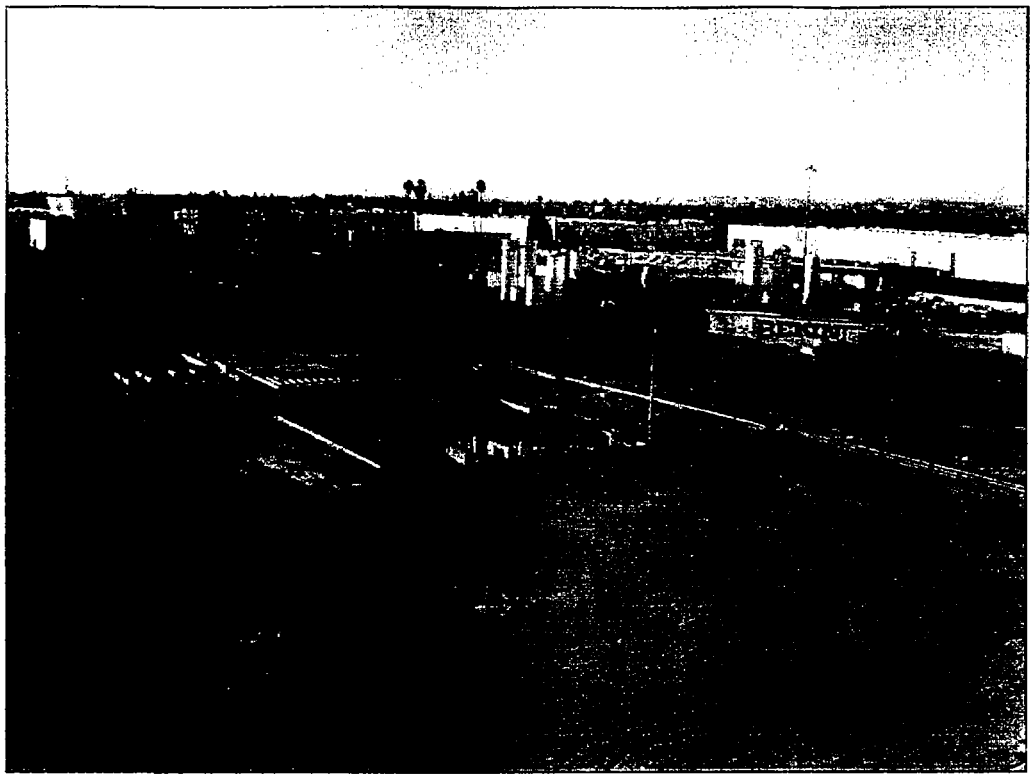
Air Liquide site, facing West and neighboring facility. *Photo 1*



Former AST area and yard office facing west *Photo 2*

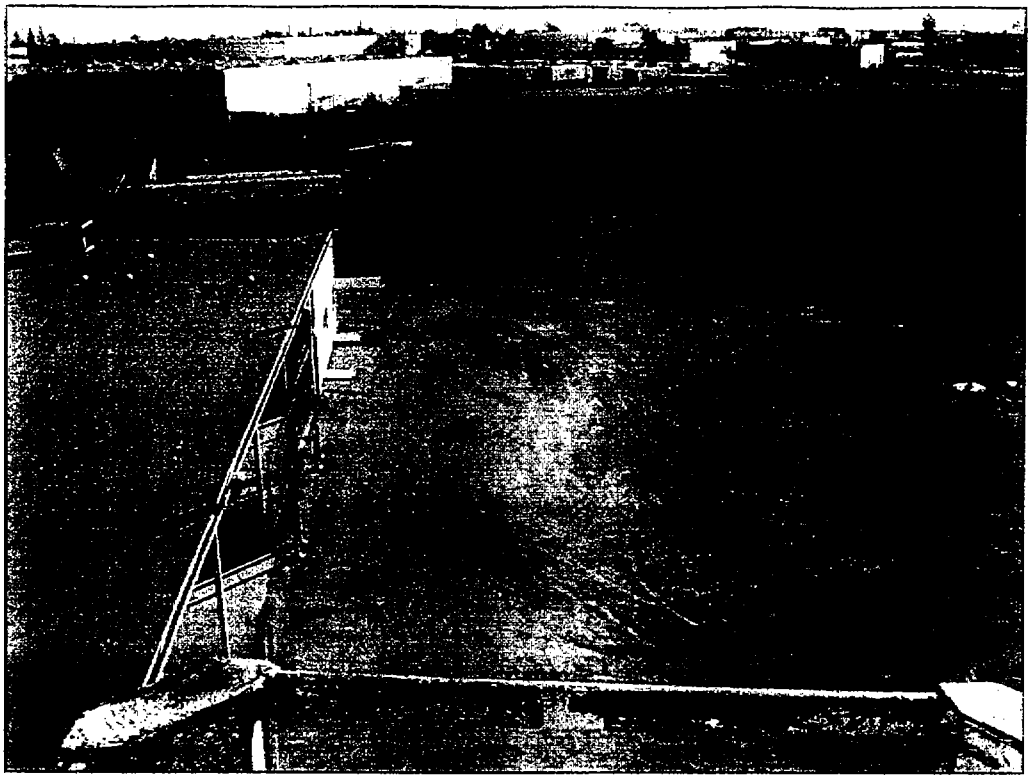
Geosyntec	**Second Five-Year Review** **Site Inspection** Former McKesson Chemical Company Santa Fe Springs, California	Appendix A Site Photographs HA0620-15

P:\GIS\mckesson\All\2007Jan5YR\AppendixA_1.ai

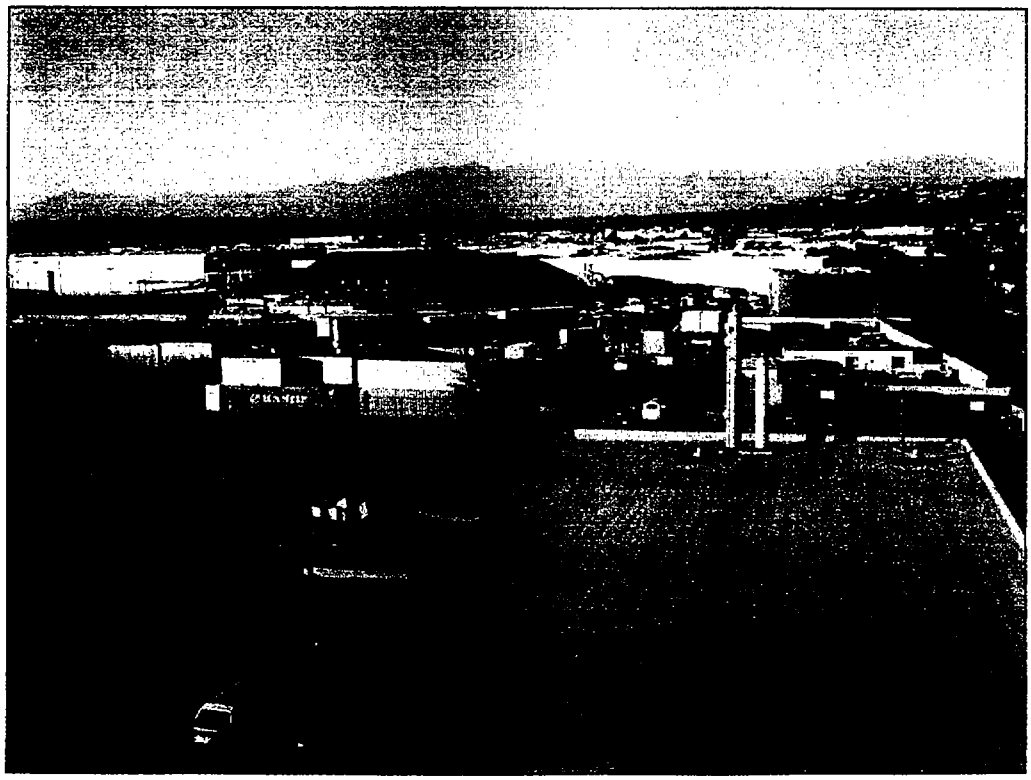


NW corner, facing NW (former AST area is fenced) *Photo 3*

SW corner facing SW *Photo 4*

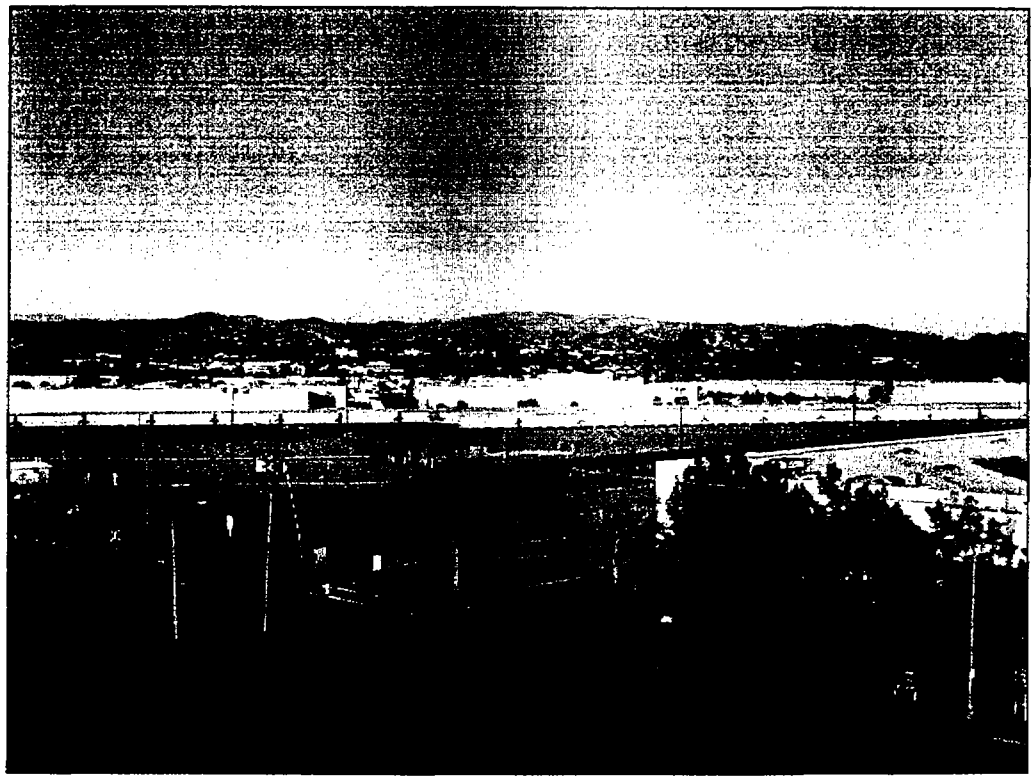


SE corner and neighboring facility facing South *Photo 5*



Drainage channel, railroad tracks. and Former Angeles Site - facing North *Photo 6*

Across Sorensen Ave. facing East *Photo 7*

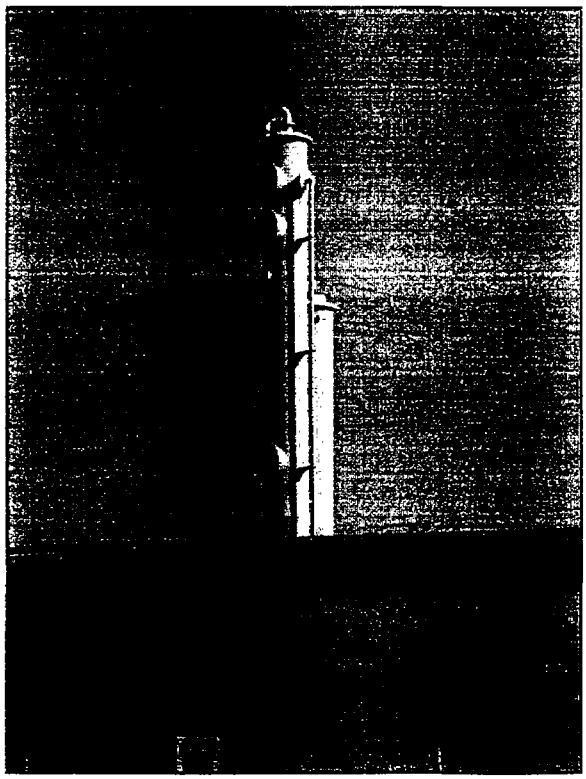


Across Sorensen Ave. facing NE *Photo 8*

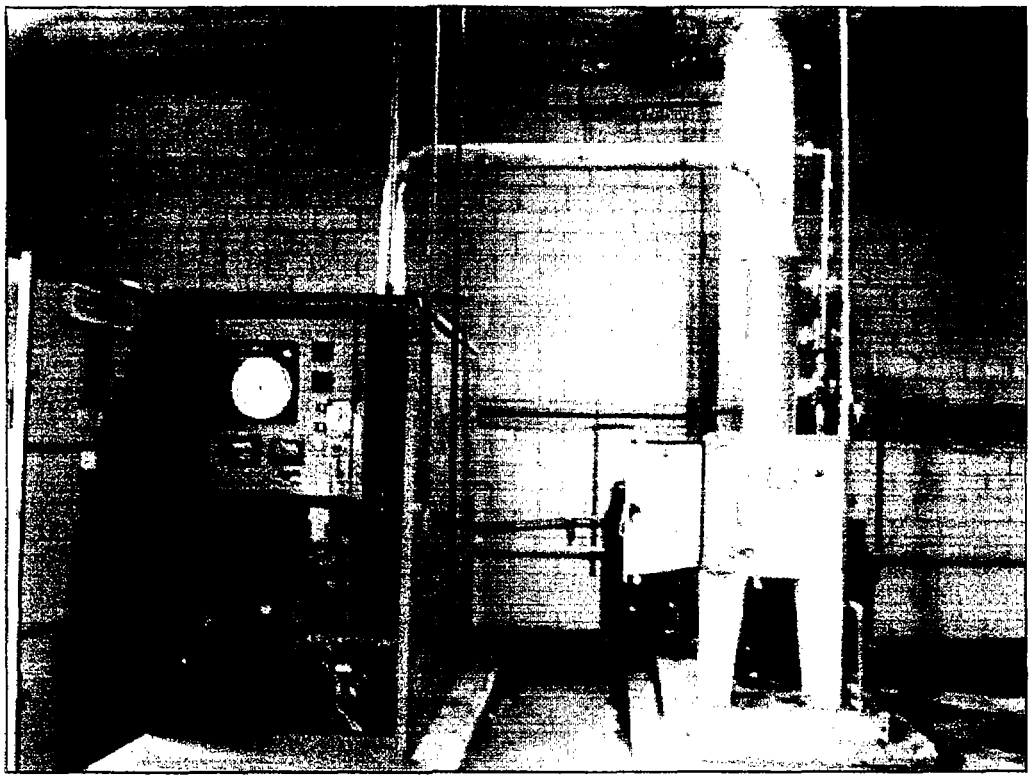
Geosyntec	**Second Five-Year Review** **Site Inspection** Former McKesson Chemical Company Santa Fe Springs, California	Appendix A Site Photographs HA0620-15

P:\GIS\mckesson\AI\2007Jan5YR\AppendixA_4.ai

Site air-stripping towers *Photo 9*



Site air-stripping towers *Photo 10*



Site catalytic oxidizer *Photo 11*

Appendix B

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APPENDIX B

Soil Analytical Data

TABLE B-1

TABLE 17a. SUMMARY OF SOIL ANALYSIS - SELECTED SOIL IONS, METALS AND pH

Location ID	Sample Depth (ft)	Date Collected	Chloride	Fluoride	Nitrate as Nitrogen	Sulfate	pH	Iron	Potassium	Manganese	Sodium	Zinc
MW-01	23.0	6/12/90	<20	19	0.70	<100	8.2	25200	5600	655	397	65.0
MW-01	42.0	6/12/90	<20	5	1.2	<100	8.4	27600	3040	640	346	65.1
MW-02	23.0	6/12/90	<20	<5	0.50	<100	8.9	6780	579	320	222	16.9
MW-02	45.5	6/12/90	<20	<5	6.6	<100	8.0	26200	2020	472	270	55.0
MW-03	23.0	6/12/90	<20	<5	1.0	<100	8.1	11700	1450	189	201	27.8
MW-03	41.0	6/12/90	<20	15	0.70	<100	7.7	23200	3780	676	228	50.1
SB-01	36.0-36.5	6/18/90	<20	<5	15.3	<100	8.7	18450	NA	329	NA	48.7
SB-01	41.0-41.5	6/18/90	<20	<5	50.7	<100	8.2	29780	NA	418	NA	63.3
SB-02	20.5-21	6/19/90	100	<5	<2.6	<100	7.7	12700	1240	141	196	42.7
SB-02	41-41.5	6/19/90	<20	<5	<2.6	<100	7.6	26910	3550	309	342	59.6
SB-04	26	6/26/90	73.9	<5	0.8	<100	7.7	24740	4780	488	374	62.1
SB-04	46	6/26/90	52.2	<5	0.5	<100	7.9	32070	2190	651	329	61.2
SB-05	33.5	6/27/90	94.9	<5	0.7	<100	8.0	33240	4450	457	408	61.2
SB-05	43.5	6/27/90	84.8	<5	0.8	<100	7.6	18200	2750	363	260	40.4
SB-06	26	6/29/90	<5	<5	0.8	<100	7.4	6680	941	95.2	151	31.1
SB-06	46	6/29/90	<5	<5	0.5	<100	8.0	19170	2050	160	274	45.6
SB-07	26	6/29/90	<5	<5	0.8	<100	7.4	12520	1400	275	165	54.7
SB-07	46	6/29/90	395	<5	0.5	<100	7.4	13640	1220	232	219	46.8
SB-08	26	6/29/90	<5	<5	1.0	<100	7.5	7740	960	126	181	38.3
SB-08	42.5	6/29/90	<5	6	0.8	<100	7.7	20350	2900	313	234	53.7
SB-09	21	6/29/90	<5	<5	2.0	<100	7.6	8790	1250	208	140	39.0
SB-09	41	6/29/90	<5	<5	1.0	<100	7.5	22410	3680	1000	255	70.0
SB-10	30.5-31	6/22/90	100	13	8.4	257	7.7	26430	4320	521	424	78.1
SB-10	46-46.5	6/22/90	<20	<5	<2.6	<100	7.6	9140	1490	102	178	32.2
SB-11	26-26.5	6/22/90	<20	<5	<2.6	<100	7.9	26400	4980	559	396	78.1
SB-11	41-41.5	6/22/90	<20	<5	<2.6	<100	7.9	23920	4460	209	328	69.2
SB-12	20-20.5	6/20/90	<20	<5	<2.6	<100	7.7	8810	1290	98.0	168	32.9
SB-12	30.5-31	6/20/90	<20	<5	<2.6	<100	7.9	30120	3750	597	407	87.3
SB-12	41-41.5	6/20/90	<20	<5	<2.6	<100	7.9	23710	3160	459	307	63.4
SB-14	26-26.5	6/21/90	<20	8	<2.6	<100	8.0	25250	4830	545	367	71.9
SB-14	41-41.5	6/21/90	<20	8	<2.6	<100	8.1	23260	2920	642	381	74.7
SB-15	26-26.5	6/21/90	<20	<5	<2.6	172	7.4	26030	4730	606	333	121

Notes:
1. All values in milligrams per kilogram (mg/kg), except pH (units).
2. Compounds shown are those detected at one or more sample locations.
3. See Appendix for laboratory data reports.
4. NA = Not Analyzed.

MCK0066805

TABLE 17a. SUMMARY OF SOIL ANALYSIS - SELECTED SOIL IONS, METALS AND pH

Location ID	Sample Depth (ft)	Date Collected	Chloride	Fluoride	Nitrate as Nitrogen	Sulfate	pH	Iron	Potassium	Manganese	Sodium	Zinc
SB-15	41-41.5	6/21/90	<20	<5	<2.6	<100	7.7	26490	3910	607	324	70.6
SB-16	6	7/02/90	<5	<5	3.0	5620	4.2	10360	999	622	154	36.9
SB-16	21	7/02/90	<5	<5	0.6	239	6.3	24620	3060	233	268	87.8
SB-17	1.5	7/03/90	12.2	19	1.0	8900	4.4	20390	3180	598	945	69.7
SB-17	41	7/03/90	1000	6	0.7	<100	7.8	28650	4570	494	320	71.2
SB-18	1.5	7/03/90	428	55	6.5	6370	8.4	19290	3800	312	2860	48.9
SB-18	41	7/03/90	<5	8	1.0	<100	8.1	21760	4300	317	267	65.0
SB-19	26	6/26/90	51.3	<5	0.7	<100	8.2	24220	4390	606	350	68.4
SB-19	41	6/26/90	<5	9	0.8	<100	8.2	22300	4180	312	278	50.0
SB-20	11	7/13/90	399	<5	128	139	7.9	18020	2990	587	289	51.4
SB-20	20.5	7/13/90	184	<5	91.8	<100	7.7	8030	1070	421	183	23.4
SB-20	41	7/13/90	<5	<5	78.8	<100	8.3	22900	3270	337	321	70.2
SB-21	6	7/05/90	424	7	4.0	303	8.0	27770	2650	298	574	59.9
SB-21	36	7/05/90	<5	<5	3.6	<100	7.9	30430	5520	725	246	59.8
SB-33	1.5-2.0	1/23/91	540	122	32	1730	10	17800	8380	360	4730	59.4
SB-33	10.0-10.5	1/23/91	79.3	10	8.6	254	7.7	22800	3680	940	268	56.6
SB-33	15.0-15.5	1/23/91	30	<5	6.0	<100	7.9	8770	1240	143	162	25.7
SB-34	5.0-5.5	1/23/91	110	11.3	2.8	9270	4.3	23200	3980	250	631	170
SB-34	10.0-10.5	1/23/91	322	9.3	3.5	741	7.6	20000	3190	738	516	48.8
SB-34	15.0-15.5	1/23/91	1170	<5	18	179	7.2	25000	4580	743	380	60.3
SB-35	1.5-2.0	1/23/91	891	6.0	16	6400	8.2	23100	3990	398	3640	61.2
SB-35	10.0-10.5	1/23/91	58	7.1	14	174	8.0	23200	3620	875	365	54.2
SB-35	14.5-15.0	1/23/91	33	<5	9.0	119	7.9	10500	1360	157	181	170
SS-01	05	7/17/90	<5	15	77.6	<100	8.1	23400	3380	522	294	54.5
SS-01	1.0	7/17/90	24.5	11	144	<100	8.0	26150	3620	528	340	63.6
SS-02	0.5	7/18/90	<5	6	157	<100	7.4	28340	4090	428	319	555
SS-02	1.0	7/18/90	8.3	8	72.6	<100	7.1	26700	4050	294	286	913
SS-03	0.5	7/18/90	8.3	8	98.4	<100	7.8	24310	4110	494	316	117
SS-03	1.0	7/18/90	24.7	12	95.4	<100	7.8	24580	3190	416	306	801
SS-04	0.5	7/17/90	37.6	10	109	133	6.9	22990	4210	222	340	159
SS-04	1.0	7/17/90	12.5	13	75.5	<100	7.4	22800	4100	346	295	250

Notes:
1. All values in milligrams per kilogram (mg/kg), except pH (units).
2. Compounds shown are those detected at one or more sample locations.
3. See Appendix for laboratory data reports.
4. NA = Not Analyzed.

MCK0066806

TABLE 17b. SUMMARY OF SO. .LYSIS - EPA METHOD 8240 COMPOUNDS
McKesson Corporation Property - Santa Fe Springs

Location ID	Sample Depth (ft)	Date Collected	1,1,1-Tri-chloro-ethane	Methylene Chloride	Tetra-chloro-ethene	Tri-chloro-ethene	1,1-Di-chloro-ethene	1,2-Di-chloro-ethene	Cis-1,2-Di-chloro-ethene	Trans-1,2-Dichloro-ethene	1,1-Di-chloro-ethane	1,2-Di-chloro-ethane	Benzen
MW-01	23.0	6/12/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
MW-01	42.0	6/12/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
MW-02	23.0	6/12/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
MW-02	45.5	6/12/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
MW-03	23.0	6/12/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
MW-03	41.0	6/12/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-01	36.0-36.5	6/18/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-01	41.0-41.5	6/18/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-02	20.5-21	6/19/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-02	41-41.5	6/19/90	0.1	<0.3	0.08	0.1	0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-03	31	7/06/90	0.16	0.92	0.25	0.50	0.20	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-03	21	7/06/90	<0.05	<0.3	<0.05	0.26	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-04	26	6/26/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-04	46	6/26/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-05	33.5	6/27/90	<0.05	3.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-05	43.5	6/27/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-06	26	6/29/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-06	46	6/29/90	0.9	<0.3	0.5	0.07	0.2	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-07	26	6/29/90	0.06	<0.3	0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-07	46	6/29/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-08	26	6/29/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-08	42.5	6/29/90	<0.05	<0.3	0.080	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-09	21	6/29/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-09	41	6/29/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-10	30.5-31	6/22/90	0.3	<0.3	0.7	0.3	0.2	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-10	46-46.5	6/22/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-11	26-26.5	6/22/90	<0.05	<0.3	TR<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-11	41-41.5	6/22/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-12	20-20.5	6/20/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-12	30.5-31	6/20/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SB-12	41-41.5	6/20/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05

Notes:
1. All values in milligrams per kilogram (mg/kg)
2. Compounds shown are those detected at one or more sample locations.
3. See Appendix for laboratory data reports.
4. TR indicates Trace, NA = Not Analyzed.

TABLE 17b. SUMMARY OF SOIL ANALYSIS - EPA METHOD 8240 COMPOUNDS

Location ID	Sample Depth (ft)	Date Collected	Toluene	Ethyl Benzene	Total Xylenes	Acetone	4-Methyl-2-Pentanone (MIBK)	2-Butanone (MEK)	1,1,2,2-Tetrachloroethane	Carbon Tetrachloride	Chlorobenzene
MW-01	23.0	6/12/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
MW-01	42.0	6/12/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
MW-02	23.0	6/12/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
MW-02	45.5	6/12/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
MW-03	23.0	6/12/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
MW-03	41.0	6/12/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-01	36.0-36.5	6/18/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-01	41.0-41.5	6/18/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-02	20.5-21	6/19/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-02	41-41.5	6/19/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-03	31	7/06/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-03	21	7/06/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-04	26	6/26/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-04	46	6/26/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-05	33.5	6/27/90	0.1	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-05	43.5	6/27/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-06	26	6/29/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-06	46	6/29/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-07	26	6/29/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-07	46	6/29/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-08	26	6/29/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-08	42.5	6/29/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-09	21	6/29/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-09	41	6/29/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-10	30.5-31	6/22/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-10	46-46.5	6/22/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-11	26-26.5	6/22/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-11	41-41.5	6/22/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-12	20-20.5	6/20/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-12	30.5-31	6/20/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-12	41-41.5	6/20/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05

Notes:
1. All values in milligrams per kilogram (mg/kg)
2. Compounds shown are those detected at one or more sample locations.
3. See Appendix for laboratory data reports.
4. TR indicates Trace. NA = Not Analyzed.

MCK0066808

SUMMARY OF SOIL ANALYSES - EPA METHOD 8240 COMPOUNDS

Location ID	Sample Depth (ft)	Date Collected	1,1,1-Tri-chloro-ethane	Methylene Chloride	Tetra-chloro-ethene	Tri-chloro-ethene	1,1-Di-chloro-ethene	1,2-Di-chloro-ethene	Cis-1,2-Di-chloro-ethene	Trans-1,2-Dichloro-ethene	1,1-Di-chloro-ethane	1,2-Di-chloro-ethane	Ben
SB-13	25.5-26	6/20/90	<0.05	3.9	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0
SB-13	41-41.5	6/20/90	<0.10	29	<0.10	0.6	<0.10	<0.10	NA	NA	<0.10	7	<0
SB-14	26-26.5	6/21/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0
SB-14	41-41.5	6/21/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0
SB-15	26-26.5	6/21/90	<0.05	2.0	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0
SB-15	41-41.5	6/21/90	0.14	4.0	1.4	0.91	0.80	<0.05	NA	NA	<0.05	<0.05	<0
SB-17A	41	1/25/91	0.1	<0.3	0.2	0.07	0.1	NA	<0.05	<0.05	<0.05	<0.05	<0
SB-19	26	6/26/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0
SB-19	41	6/26/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0
SB-20	11	7/13/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0
SB-20	20.5	7/13/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0
SB-20	41	7/13/90	0.09	<0.3	0.2	0.07	0.1	<0.05	NA	NA	<0.05	<0.05	<0
SB-21	21	7/05/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0
SB-21	31	7/05/90	<0.05	1.1	0.06	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.
SB-23	26	7/05/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.
SB-23	41	7/05/90	21	30	3.1	0.84	2.6	<0.05	NA	NA	<0.05	<0.05	<0.
SB-23A	30.5-31	1/25/91	<0.05	21	0.50	<0.05	0.2	NA	<0.05	<0.05	0.1	0.6	<0.
SB-23A	128.8-129.	2/04/91	<0.05	<0.3	<0.05	<0.05	<0.05	NA	<0.05	<0.05	0.09	0.87	<0.
SB-24	1	7/11/90	160	<7.5	33	3.5	<1.2	<1.2	NA	NA	<0.05	<0.05	<0.
SB-24	21	7/11/90	530	<12.0	630	33	<2.0	<2.0	NA	NA	<1.2	<1.2	<1
SB-24	41	7/11/90	100	48	58	6	5	<1.0	NA	NA	<2.0	6.4	<2
SB-25	6	7/13/90	0.1	3.5	0.1	<0.10	<0.10	<0.10	NA	NA	<1.0	<1.0	<1
SB-25	21	7/13/90	<0.10	<0.6	<0.10	<0.10	<0.10	<0.10	NA	NA	0.3	0.2	<0.
SB-25	41	7/13/90	<0.15	3.0	0.6	0.5	0.7	0.6	NA	NA	<0.10	<0.10	<0.
SB-26	21	7/16/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.15	0.3	<0.
SB-26	26	7/16/90	0.2	3.8	0.07	0.07	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.
SB-26	41	7/16/90	0.4	4.4	0.4	0.3	0.4	0.08	NA	NA	0.1	<0.05	<0.
SB-27	21	7/16/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.
SB-27	31	7/16/90	3.0	23	1	0.5	0.6	0.4	NA	NA	<0.05	<0.05	<0.
SB-27	41	7/16/90	0.3	26	0.8	0.4	0.5	<0.20	NA	NA	0.2	0.8	<0.
SB-30	1.5	7/12/90	3500	380	2900	60	<20.0	<20.0	NA	NA	<0.20	<0.20	<0.
											<20.0	32	<20.

Notes:
1. All values in milligrams per kilogram (mg/kg)
2. Compounds shown are those detected at one or more sample locations.
3. See Appendix for laboratory data reports.
4. TR indicates Trace. NA = Not Analyzed.

MCK0066809

SUMMARY OF SOIL ANALYSES - EPA METHOD 8240 COMPOUNDS

Location ID	Sample Depth (ft)	Date Collected	Toluene	Ethyl Benzene	Total Xylenes	Acetone	4 Methyl-2-Pentanone (MIBK)	2-Butanone (MEK)	1,1,2,2-Tetrachloroethane	Carbon Tetrachloride	Chlorobenzene
SB-13	25.5-26	6/20/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-13	41-41.5	6/20/90	<0.20	<0.10	<0.10	19	<1.00	9	<0.10	<0.10	<0.10
SB-14	26-26.5	6/21/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-14	41-41.5	6/21/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-15	26-26.5	6/21/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-15	41-41.5	6/21/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-17A	41	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-19	26	6/26/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-19	41	6/26/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-20	11	7/13/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-20	20.5	7/13/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-20	41	7/13/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-21	21	7/05/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-21	31	7/05/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-23	26	7/05/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-23	41	7/05/90	0.63	<0.05	<0.05	<1.0	TR<0.50	TR<1.0	<0.05	<0.05	<0.05
SB-23A	30.5-31	1/25/91	<0.1	<0.05	0.1	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-23A	128.8-129.	2/04/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-24	1	7/11/90	78	<1.2	<1.2	<25.0	<12.5	<25.0	<1.2	<1.2	11
SB-24	21	7/11/90	130	31	160	120	<20.0	65	5.9	82	<2.0
SB-24	41	7/11/90	12	1.8	8.6	<20.0	<10.0	<20.0	<1.0	<1.0	<1.0
SB-25	6	7/13/90	0.1	<0.10	<0.10	19	<1.00	<2.0	<0.10	<0.10	<0.10
SB-25	21	7/13/90	<0.20	<0.10	<0.10	37	<1.00	2.4	<0.10	<0.10	<0.10
SB-25	41	7/13/90	0.3	<0.15	<0.15	3.5	<1.50	<3.0	<0.15	<0.15	<0.15
SB-26	21	7/16/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-26	26	7/16/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-26	41	7/16/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SB-27	21	7/16/90	<0.10	<0.05	<0.05	<1.0	<0.50	1.0	<0.05	<0.05	<0.05
SB-27	31	7/16/90	3.2	<0.12	0.4	<2.5	<1.2	4.6	<0.12	<0.12	<0.12
SB-27	41	7/16/90	1	<0.20	<0.20	<4.0	<2.00	2.2	<0.20	<0.20	<0.20
SB-30	1.5	7/12/90	110	50	90	<400	<200.0	<400	31	550	170

Notes:
1. All values in milligrams per kilogram (mg/kg)
2. Compounds shown are those detected at one or more sample locations.
3. See Appendix for laboratory data reports.
4. TR indicates Trace. NA = Not Analyzed.

MCK0066810

SUMMARY OF SOIL ANALYSES - EPA METHOD 8240 COMPOUNDS

Location ID	Sample Depth (ft)	Date Collected	1,1,1-Tri-chloro-ethane	Methylene Chloride	Tetra-chloro-ethene	Tri-chloro-ethene	1,1-Di-chloro-ethene	1,2-Di-chloro-ethene	Cis-1,2-Di-chloro-ethene	Trans-1,2-Dichloro-ethene	1,1-Di-chloro-ethane	1,2-Di-chloro-ethane	Benzene
SB-30	21	7/12/90	190	120	1000	17	<6.0	<6.0	NA	NA	<6.0	<6.0	<6.0
SB-30	41	7/12/90	3.4	17	7.4	2.6	5.4	<0.10	NA	NA	<0.10	<0.10	<0.10
SB-36	15.0-15.5	1/23/91	<0.05	<0.3	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	<0.05
SB-36	24.5-25.0	1/23/91	33	<0.3	12	2	<0.05	NA	<0.05	<0.05	<0.05	2	<0.05
SB-36	39.5-40.0	1/23/91	1.4	<0.3	0.87	0.1	0.32	NA	<0.05	<0.05	<0.05	0.07	<0.05
SB-36	45.0-45.5	1/23/91	<0.05	<0.3	1.4	0.2	0.35	NA	<0.05	<0.05	<0.05	0.09	<0.05
SB-37	1.0-1.5	1/25/91	1.6	11	1.5	0.4	0.58	NA	<0.05	<0.05	0.2	0.2	<0.05
SB-37	5.0-5.5	1/25/91	0.3	6.3	5.0	<0.05	<0.05	NA	0.1	<0.05	0.63	0.2	<0.05
SB-37	9.5-10.0	1/25/91	0.5	4.9	0.3	0.1	<0.05	NA	<0.05	<0.05	0.1	0.2	<0.05
SB-37	14.5-15.0	1/25/91	<0.05	2.6	0.1	<0.05	<0.05	NA	<0.05	<0.05	<0.05	0.2	0.07
SB-37	19.5-20.0	1/25/91	0.1	1.8	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	0.1	<0.05
SB-37	24.0-24.5	1/25/91	<0.05	0.66	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	<0.05
SB-38	5.0-5.5	1/25/91	0.4	0.55	0.93	0.1	<0.05	NA	<0.05	<0.05	0.2	<0.05	<0.05
SB-38	15.0-15.5	1/25/91	0.3	1.8	2.1	0.1	<0.05	NA	<0.05	<0.05	<0.05	0.06	<0.05
SB-38	19.5-20.0	1/25/91	<0.05	<0.3	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	<0.05
SB-38	24.5-25.0	1/25/91	<0.05	<0.3	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	<0.05
SB-38	29.5-30.0	1/25/91	1.6	11	1.5	0.4	0.58	NA	<0.05	<0.05	0.2	0.2	<0.05
SB-38	34.5-35.0	1/25/91	1.5	5.7	1.9	0.4	0.77	NA	<0.05	0.63	0.1	0.08	<0.05
SB-38	40.0-40.5	1/25/91	2.2	5.4	1.7	0.4	0.82	NA	<0.05	<0.05	0.2	0.08	<0.05
SB-38	44.0-44.5	1/25/91	0.10	4.3	0.80	0.2	<0.05	NA	<0.05	0.4	0.4	<0.05	<0.05
SB-39	9.5-10.0	1/25/91	0.2	2.0	0.1	<0.05	<0.05	NA	<0.05	<0.05	<0.05	0.1	<0.05
SB-39	5-5.5	1/25/91	0.3	<0.3	0.3	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	<0.05
SB-40	5.0-5.5	1/25/91	<0.05	<0.3	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	<0.05
SB-40	9.5-10.0	1/25/91	<0.05	<0.3	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	<0.05
SB-41	9.5-10.0	1/25/91	<0.05	<0.3	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	<0.05
SB-41	4.5-5.0	1/25/91	0.1	<0.3	<0.05	<0.05	<0.05	NA	0.13	<0.05	<0.05	<0.05	<0.05
SB-42	9.5-10.0	1/25/91	<0.25	<1.5	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	<0.25	<0.25
SB-42	5.0-5.5	1/25/91	<0.25	<1.5	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	<0.25	<0.25
SS-01	05	7/17/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SS-01	1.0	7/17/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SS-02	0.5	7/18/90	0.08	<0.3	0.71	0.07	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05

Notes:
1. All values in milligrams per kilogram (mg/kg)
2. Compounds shown are those detected at one or more sample locations.
3. See Appendix for laboratory data reports.
4. TR indicates Trace. NA = Not Analyzed.

MCK006811

TABLE 17b. SUMMARY OF SOIL ANALYSIS - EPA METHOD 8240 COMPOUNDS

Location ID	Sample Depth (ft)	Date Collected	Toluene	Ethyl Benzene	Total Xylenes	Acetone	4-Methyl-2-Pentanone (MIBK)	2-Butanone (MEK)	1,1,2,2-Tetrachloroethane	Carbon Tetrachloride	Chlorobenzene
SB-30	21	7/12/90	83	15	60	<120	<60.0	<120	<6.0	30	<6.0
SB-30	41	7/12/90	0.3	<0.10	<0.10	<2.0	<1.00	<2.0	<0.10	0.5	<0.10
SB-36	15.0-15.5	1/23/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-36	24.5-25.0	1/23/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-36	39.5-40.0	1/23/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-36	45.0-45.5	1/23/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-37	1.0-1.5	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-37	5.0-5.5	1/25/91	<0.1	<0.05	0.09	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-37	9.5-10.0	1/25/91	0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-37	14.5-15.0	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-37	19.5-20.0	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-37	24.0-24.5	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-38	5.0-5.5	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-38	15.0-15.5	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-38	19.5-20.0	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-38	24.5-25.0	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-38	29.5-30.0	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-38	34.5-35.0	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-38	40.0-40.5	1/25/91	<0.1	<0.05	0.06	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-38	44.0-44.5	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-39	9.5-10.0	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-39	5-5.5	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-40	5.0-5.5	1/25/91	<0.1	<0.05	<0.05	27	<0.5	4.5	<0.05	<0.05	<0.05
SB-40	9.5-10.0	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-41	9.5-10.0	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-41	4.5-5.0	1/25/91	<0.1	<0.05	<0.05	<1	<0.5	<1	<0.05	<0.05	<0.05
SB-42	9.5-10.0	1/25/91	<0.5	<0.25	<0.25	49	<2.5	6.0	<0.25	<0.25	<0.25
SB-42	5.0-5.5	1/25/91	<0.5	<0.25	<0.25	95	<2.5	13	<0.25	<0.25	<0.25
SS-01	05	7/17/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SS-01	1.0	7/17/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SS-02	0.5	7/18/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05

Notes:
1. All values in milligrams per kilogram (mg/kg)
2. Compounds shown are those detected at one or more sample locations.
3. See Appendix for laboratory data reports.
4. TR indicates Trace. NA = Not Analyzed.

TABLE 17b. SUMMARY OF SOIL ANALYSIS - EPA METHOD 8240 COMPOUNDS

Location ID	Sample Depth (ft)	Date Collected	1,1,1-Tri-chloro-ethane	Methylene Chloride	Tetra-chloro-ethene	Tri-chloro-ethene	1,1-Di-chloro-ethene	1,2-Di-chloro-ethene	Cis-1,2-Di-chloro-ethene	Trans-1,2-Dichloro-ethene	1,1-Di-chloro-ethane	1,2-Di-chloro-ethane	Benzen
SS-02	1.0	7/18/90	<0.05	<0.3	0.1	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SS-03	0.5	7/18/90	<0.05	<0.3	<0.05	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SS-03	1.0	7/18/90	<0.05	<0.3	1.0	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SS-04	0.5	7/17/90	<0.05	<0.3	1.9	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.05
SS-04	1.0	7/17/90	<0.25	<1.5	61	<0.25	<0.25	<0.25	NA	NA	<0.25	<0.25	<0.25

Notes:
1. All values in milligrams per kilogram (mg/kg)
2. Compounds shown are those detected at one or more sample locations.
3. See Appendix for laboratory data reports.
4. TR indicates Trace. NA = Not Analyzed.

MCK0066813

TABLE 17b. SUMMARY OF SOIL ANALYSIS - EPA METHOD 8240 COMPOUNDS

Location ID	Sample Depth (ft)	Date Collected	Toluene	Ethyl Benzene	Total Xylenes	Acetone	4-Methyl-2-Pentanone (MIBK)	2-Butanone (MEK)	1,1,2,2-Tetrachloroethane	Carbon Tetrachloride	Chlorobenzene
SS-02	1.0	7/18/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SS-03	0.5	7/18/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SS-03	1.0	7/18/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SS-04	0.5	7/17/90	<0.10	<0.05	<0.05	<1.0	<0.50	<1.0	<0.05	<0.05	<0.05
SS-04	1.0	7/17/90	<0.50	<0.25	<0.25	<5.0	<2.5	<5.0	<0.25	<0.25	<0.25

MCK0066814

Notes:
1. All values in milligrams per kilogram (mg/kg)
2. Compounds shown are those detected at one or more sample locations.
3. See Appendix for laboratory data reports.
4. TR indicates Trace. NA = Not Analyzed.

TABLE 17c. SUMMARY OF SOIL ANALYSIS - EPA METHOD 8270 COMPOUNDS

Location ID	Sample Depth (ft)	Date Collected	2-Methyl-naph-thalene	Benzyl Alcohol	Bis(2-ethyl-hexyl)-phthalate	Naph-thalene
MW-01	23.0	6/12/90	<0.17	<0.17	<0.17	<0.17
MW-01	42.0	6/12/90	<0.17	<0.17	<0.17	<0.17
MW-02	23.0	6/12/90	<0.17	<0.17	<0.17	<0.17
MW-02	45.5	6/12/90	<0.17	<0.17	<0.17	<0.17
MW-03	23.0	6/12/90	<0.17	<0.17	<0.17	<0.17
MW-03	41.0	6/12/90	<0.17	<0.17	<0.17	<0.17
SB-01	36.0-36.5	6/18/90	<0.17	<0.17	<0.17	<0.17
SB-01	41.0-41.5	6/18/90	<0.17	<0.17	<0.17	<0.17
SB-02	20.5-21	6/19/90	<0.17	<0.17	<0.17	<0.17
SB-02	41-41.5	6/19/90	<0.17	<0.17	<0.17	<0.17
SB-03	31	7/06/90	<0.17	<0.17	<0.17	<0.17
SB-03	21	7/06/90	<0.17	<0.17	<0.17	<0.17
SB-04	26	6/26/90	<0.17	<0.17	<0.17	<0.17
SB-04	46	6/26/90	<0.17	<0.17	<0.17	<0.17
SB-05	33.5	6/27/90	<0.17	<0.17	<0.17	<0.17
SB-05	43.5	6/27/90	<0.17	<0.17	<0.17	<0.17
SB-06	26	6/29/90	<0.17	<0.17	<0.17	<0.17
SB-06	46	6/29/90	<0.17	<0.17	<0.17	<0.17
SB-07	26	6/29/90	<0.17	<0.17	<0.17	<0.17
SB-07	46	6/29/90	<0.17	<0.17	<0.17	<0.17
SB-08	26	6/29/90	<0.17	<0.17	<0.17	<0.17
SB-08	42.5	6/29/90	<0.17	<0.17	<0.17	<0.17
SB-09	21	6/29/90	<0.17	<0.17	<0.17	<0.17
SB-09	41	6/29/90	<0.17	<0.17	<0.17	<0.17
SB-10	30.5-31	6/22/90	<0.17	<0.17	<0.17	<0.17
SB-10	46-46.5	6/22/90	<0.17	<0.17	<0.17	<0.17
SB-11	26-26.5	6/22/90	<0.17	<0.17	<0.17	<0.17
SB-11	41-41.5	6/22/90	<0.17	<0.17	<0.17	<0.17
SB-12	20-20.5	6/20/90	<0.17	<0.17	<0.17	<0.17
SB-12	30.5-31	6/20/90	<0.17	<0.17	<0.17	<0.17
SB-12	41-41.5	6/20/90	<0.17	<0.17	<0.17	<0.17
SB-13	25.5-26	6/20/90	<0.17	<0.17	<0.17	<0.17
SB-13	41-41.5	6/20/90	<0.17	<0.17	<0.17	<0.17
SB-14	26-26.5	6/21/90	<0.17	<0.17	<0.17	<0.17
SB-14	41-41.5	6/21/90	<0.17	<0.17	<0.17	<0.17
SB-15	26-26.5	6/21/90	<0.17	<0.17	<0.17	<0.17
SB-15	41-41.5	6/21/90	<0.17	<0.17	<0.17	<0.17
SB-19	26	6/26/90	<0.17	<0.17	<0.17	<0.17
SB-19	41	6/26/90	<0.17	<0.17	<0.17	<0.17
SB-20	11	7/13/90	<0.17	<0.17	<0.17	<0.17
SB-20	20.5	7/13/90	<0.17	<0.17	<0.17	<0.17
SB-20	41	7/13/90	<0.17	<0.17	<0.17	<0.17
SB-21	21	7/05/90	<0.17	<0.17	<0.17	<0.17
SB-21	31	7/05/90	<0.17	<0.17	<0.17	<0.17
SB-23	26	7/05/90	<0.17	<0.17	<0.17	<0.17
SB-23	41	7/05/90	<0.17	<0.17	<0.17	<0.17
SB-24	1	7/11/90	4.3	<0.17	<0.17	6.9

Notes:
1. All values in milligrams per kilogram (mg/kg)
2. Compounds shown are those detected at one or more sample locations.
3. See Appendix for laboratory data reports.
4. TR indicates Trace. NA = Not Analyzed.

TABLE 17c. SUMMARY OF SOIL ANALYSIS - EPA METHOD 8270 COMPOUNDS

Location ID	Sample Depth (ft)	Date Collected	2-Methyl-naph-thalene	Benzyl Alcohol	Bis(2-ethyl-heryl)-phthalate	Naph-thalene
SB-24	21	7/11/90	1.0	<0.17	<0.17	2.7
SB-24	41	7/11/90	<0.17	<0.17	<0.17	TR<0.17
SB-25	6	7/13/90	<0.17	<0.17	<0.17	<0.17
SB-25	21	7/13/90	<0.17	<0.17	<0.17	<0.17
SB-25	41	7/13/90	<0.17	<0.17	<0.17	<0.17
SB-26	21	7/16/90	<0.17	<0.17	<0.17	<0.17
SB-26	26	7/16/90	<0.17	<0.17	<0.17	<0.17
SB-26	41	7/16/90	<0.17	<0.17	<0.17	<0.17
SB-27	21	7/16/90	<0.17	<0.17	<0.17	<0.17
SB-27	31	7/16/90	<0.17	<0.17	<0.17	<0.17
SB-27	41	7/16/90	<0.17	<0.17	<0.17	<0.17
SB-30	1.5	7/12/90	<0.17	<0.17	<0.17	0.24
SB-30	21	7/12/90	0.31	1.2	<0.17	0.40
SB-30	41	7/12/90	<0.17	<0.17	<0.17	<0.17
SS-01	05	7/17/90	<0.17	<0.17	<0.17	<0.17
SS-01	1.0	7/17/90	<0.17	<0.17	<0.17	<0.17
SS-02	0.5	7/18/90	<0.85	<0.85	<0.85	<0.85
SS-02	1.0	7/18/90	<0.17	<0.17	<0.17	<0.17
SS-03	0.5	7/18/90	<0.17	<0.17	1.9	<0.17
SS-03	1.0	7/18/90	<0.17	<0.17	3.1	<0.17
SS-04	0.5	7/17/90	<0.17	<0.17	1.9	<0.17
SS-04	1.0	7/17/90	<0.17	<0.17	4.5	<0.17

Notes:
1. All values in milligrams per kilogram (mg/kg)
2. Compounds shown are those detected at one or more sample locations.
3. See Appendix for laboratory data reports.
4. TR indicates Trace. NA = Not Analyzed.

TABLE 17d. SUMMARY OF SOIL ANALYSIS - EPA METHOD 418.1 COMPOUNDS

Location ID	Sample Depth (ft)	Date Collected	Petroleum Hydro-carbons IR
MW-01	23.0	6/12/90	<1
MW-01	42.0	6/12/90	2
MW-02	23.0	6/12/90	<1
MW-02	45.5	6/12/90	1
MW-03	23.0	6/12/90	<1
MW-03	41.0	6/12/90	7
SB-01	36.0-36.5	6/18/90	3
SB-01	41.0-41.5	6/18/90	2
SB-02	20.5-21	6/19/90	<1
SB-02	41-41.5	6/19/90	1
SB-03	31	7/06/90	<1
SB-03	21	7/06/90	<2
SB-04	26	6/26/90	<1
SB-04	46	6/26/90	<1
SB-05	33.5	6/27/90	2
SB-05	43.5	6/27/90	<1
SB-06	26	6/29/90	3
SB-06	46	6/29/90	2
SB-07	26	6/29/90	9
SB-07	46	6/29/90	3
SB-08	26	6/29/90	2
SB-08	42.5	6/29/90	2
SB-09	21	6/29/90	<1
SB-09	41	6/29/90	1
SB-10	30.5-31	6/22/90	<1
SB-10	46-46.5	6/22/90	1
SB-11	26-26.5	6/22/90	<1
SB-11	41-41.5	6/22/90	<1
SB-12	20-20.5	6/20/90	2
SB-12	30.5-31	6/20/90	<1
SB-12	41-41.5	6/20/90	<1
SB-13	25.5-26	6/20/90	<1
SB-13	41-41.5	6/20/90	2
SB-14	26-26.5	6/21/90	<1
SB-14	41-41.5	6/21/90	<1
SB-15	26-26.5	6/21/90	1
SB-15	41-41.5	6/21/90	<1
SB-19	26	6/26/90	<1
SB-19	41	6/26/90	<1
SB-20	11	7/13/90	<1
SB-20	20.5	7/13/90	<1
SB-20	41	7/13/90	1
SB-21	21	7/05/90	2
SB-21	31	7/05/90	<1
SB-23	26	7/05/90	<1
SB-23	41	7/05/90	5

Notes: 1. All values in milligrams per kilogram (mg/kg)
2. Compounds shown are those detected at one or more sample locations.
3. See Appendix for laboratory data reports.

TABLE 17d. SUMMARY OF SOIL ANALYSIS - EPA METHOD 418.1 COMPOUNDS

Location ID	Sample Depth (ft)	Date Collected	Petroleum Hydro-carbons IR
SB-24	1	7/11/90	3100
SB-24	21	7/11/90	600
SB-24	41	7/11/90	30
SB-25	6	7/13/90	1
SB-25	21	7/13/90	<1
SB-25	41	7/13/90	<1
SB-26	21	7/16/90	<1
SB-26	26	7/16/90	<1
SB-26	41	7/16/90	<1
SB-27	21	7/16/90	<1
SB-27	31	7/16/90	9
SB-27	41	7/16/90	1
SB-30	1.5	7/12/90	170
SB-30	21	7/12/90	140
SB-30	41	7/12/90	<1
SS-01	05	7/17/90	14
SS-01	1.0	7/17/90	13
SS-02	0.5	7/18/90	1400
SS-02	1.0	7/18/90	430
SS-03	0.5	7/18/90	200
SS-03	1.0	7/18/90	710
SS-04	0.5	7/17/90	290
SS-04	1.0	7/17/90	840

Notes: 1. All values in milligrams per kilogram (mg/kg)
2. Compounds shown are those detected at one or more sample locations.
3. See Appendix for laboratory data reports.

Table B-2
Soil Analytical Data
Former McKesson Chemical Company
Santa Fe Springs, California

Location Name	Date Sampled	Sample Depth (ft bgs)	8260B (ug/kg)									
			PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,2,4-TCB
E-2	2/26/2003	5	**18**	**5.0**	**15**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-2	2/26/2003	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-2	2/26/2003	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-2	2/26/2003	20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-2	2/26/2003	25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-2	2/26/2003	28	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-2	2/26/2003	29	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**190**	<5.0	<5.0	<5.0
E-3	2/26/2003	5	**91**	**10**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-3	2/26/2003	10	**23**	**7.1**	<5.0	<5.0	<5.0	<5.0	**5.1**	<5.0	**5.4**	<5.0
E-3	2/26/2003	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-3	2/26/2003	20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-3	2/26/2003	23.5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-3	2/26/2003	24	**31**	**17**	**13**	<5.0	<5.0	<5.0	**6.9**	**11**	**12**	<5.0
E-3	2/26/2003	26	**33**	**23**	**29**	<5.0	<5.0	<5.0	**16**	**14**	**30**	<5.0
E-4	2/27/2003	5	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-4	2/27/2003	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-4	2/27/2003	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-4	2/27/2003	20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-4	2/27/2003	25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-4	2/27/2003	26	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-4	2/27/2003	27	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-06	2/24/2003	5	**5.2**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-06	2/24/2003	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-06	2/24/2003	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-06	2/24/2003	20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Table B-2
Soil Analytical Data
Former McKesson Chemical Company
Santa Fe Springs, California

Location Name	Date Sampled	Sample Depth (ft bgs)	8260B (ug/kg)									
			PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,2,4-TCB
MW-06	2/24/2003	25	<5.0	<5.0	**7.3**	<5.0	<5.0	<5.0	**9.7**	<5.0	<5.0	<5.0
MW-06	2/24/2003	28	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-06	2/24/2003	29	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**210**	<5.0	<5.0	<5.0
MW-06	2/24/2003	35	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**240**	<5.0	<5.0	<5.0
MW-06	2/24/2003	40	<5.0	<5.0	**6.6**	<5.0	<5.0	<5.0	**600**	<5.0	**5.3**	<5.0
MW-06	2/24/2003	44	<50	<50	**2,500**	<50	<50	<50	**1,300**	**140**	**210**	<50
MW-06	2/24/2003	50	<5.0	<5.0	**10**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-06	2/24/2003	55	<5.0	<5.0	**20**	<5.0	<5.0	<5.0	**16**	<5.0	<5.0	<5.0
MW-07	2/25/2003	5	**16**	<5.0	**5.3**	<5.0	<5.0	<5.0	**5.4**	<5.0	<5.0	<5.0
MW-07	2/25/2003	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-07	2/25/2003	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-07	2/25/2003	20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-07	2/25/2003	25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-07	2/25/2003	27	<5.0	<5.0	**11**	<5.0	<5.0	<5.0	**59**	<5.0	**6.4**	<5.0
MW-07	2/25/2003	30	<5.0	<5.0	<5.0	<5.0	<5.0	**5.1**	**230**	<5.0	**79**	<5.0
MW-07	2/25/2003	35	<5.0	<5.0	<5.0	<5.0	<5.0	**8.2**	**400**	<5.0	**25**	<5.0
MW-07	2/25/2003	40	<5.0	<5.0	**5.5**	<5.0	<5.0	**9.3**	**600**	<5.0	**40**	<5.0
MW-07	2/25/2003	45	**350**	**200**	**1,400**	**6.0**	<5.0	**16**	**620**	**440**	**600**	<5.0
MW-07	2/25/2003	46	**98**	**72**	**450**	<5.0	<5.0	<5.0	**390**	**190**	**140**	<5.0
MW-07	2/25/2003	50	**10**	**16**	**150**	<5.0	<5.0	<5.0	**59**	**50**	<5.0	<5.0
MW-07	2/25/2003	55	**9.1**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-07	2/25/2003	60	**5.8**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
MW-08s	9/22/2003	5	**0.013**	**0.0053**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-08s	9/22/2003	10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-08s	9/22/2003	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Table B-2
Soil Analytical Data
Former McKesson Chemical Company
Santa Fe Springs, California

Location Name	Date Sampled	Sample Depth (ft bgs)	8260B (ug/kg)									
			PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,2,4-TCB
MW-08s	9/22/2003	20	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-08s	9/22/2003	26.5	<0.005	<0.005	**0.0054**	<0.005	<0.005	<0.005	**0.017**	<0.005	**0.0073**	<0.005
MW-08s	9/22/2003	30	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.16**	<0.005	**0.018**	<0.005
MW-08s	9/22/2003	35	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0057**	**0.29**	<0.005	<0.005	<0.005
MW-09s	9/23/2003	5	**0.02**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-09s	9/23/2003	10	**0.01**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-09s	9/23/2003	15	**0.021**	**0.0079**	**0.022**	<0.005	<0.005	<0.005	**0.017**	<0.005	<0.005	<0.005
MW-09s	9/23/2003	20	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-09s	9/23/2003	25	<0.005	**0.0057**	**0.0084**	<0.005	<0.005	<0.005	**0.029**	<0.005	<0.005	<0.005
MW-09s	9/23/2003	30	**0.033**	**0.028**	**0.2**	<0.005	<0.005	<0.005	**0.15**	**0.022**	<0.005	<0.005
MW-09s	9/23/2003	35	**0.061**	**0.026**	**0.17**	<0.005	<0.005	<0.005	**0.12**	**0.025**	<0.005	<0.005
MW-10s	9/23/2003	5	**0.0051**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-10s	9/23/2003	10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-10s	9/23/2003	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-10s	9/23/2003	20	<0.005	<0.005	**0.069**	<0.005	<0.005	<0.005	**0.067**	<0.005	<0.005	<0.005
MW-10s	9/23/2003	26.5	<0.005	<0.005	**0.093**	<0.005	<0.005	<0.005	**0.061**	<0.005	<0.005	<0.005
MW-10s	9/23/2003	30	<0.005	<0.005	**0.1**	<0.005	<0.005	<0.005	**0.056**	<0.005	<0.005	<0.005
MW-10s	9/23/2003	35	**0.012**	**0.0059**	**0.061**	<0.005	<0.005	<0.005	**0.042**	<0.005	<0.005	<0.005
MW-10s	9/23/2003	39	**0.01**	<0.005	**0.037**	<0.005	<0.005	<0.005	**0.022**	<0.005	<0.005	<0.005
MW-11s	9/24/2003	5	**520**	**6.6**	<0.25	<0.25	**460**	<0.25	**1.4**	**7.7**	<0.25	<0.25
MW-11s	9/24/2003	10	**6.9**	**0.078**	<0.005	<0.005	**2**	<0.005	**0.047**	**0.073**	**0.09**	<0.005
MW-11s	9/24/2003	15	**0.32**	**0.0082**	<0.005	<0.005	**0.12**	<0.005	<0.005	<0.005	<0.005	<0.005
MW-11s	9/24/2003	21	**0.0087**	<0.005	<0.005	<0.005	**0.0076**	<0.005	<0.005	<0.005	<0.005	<0.005
MW-11s	9/24/2003	26	**2500**	**120**	<10	<10	**1,600**	<10	<10	<10	<10	<10
MW-11s	9/24/2003	31	**18**	**1.9**	<0.05	<0.05	**8.1**	<0.05	<0.05	<0.05	**0.64**	<0.05

Table B-2
Soil Analytical Data
Former McKesson Chemical Company
Santa Fe Springs, California

Location Name	Date Sampled	Sample Depth (ft bgs)	8260B (ug/kg)									
			PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,2,4-TCB
MW-11s	9/24/2003	36.5	**240**	**14**	<0.5	<0.5	**59**	<0.5	<0.5	**2.9**	<0.5	<0.5
MW-12s	9/23/2003	5	**0.72**	**0.021**	**0.025**	<0.005	**0.11**	<0.005	<0.005	**0.0086**	<0.005	<0.005
MW-12s	9/23/2003	10	**0.07**	**0.0075**	**0.01**	<0.005	**0.018**	<0.005	<0.005	<0.005	<0.005	<0.005
MW-12s	9/23/2003	15	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-12s	9/23/2003	20	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
MW-12s	9/23/2003	27.5	**0.025**	**0.013**	**0.0078**	<0.005	<0.005	<0.005	**0.0069**	<0.005	<0.005	<0.005
MW-12s	9/23/2003	31.5	**0.056**	**0.025**	**0.02**	<0.005	<0.005	<0.005	**0.014**	**0.021**	<0.005	<0.005
MW-12s	9/23/2003	35.5	**0.47**	**0.086**	**0.39**	<0.005	**0.069**	<0.005	**0.087**	**0.33**	**0.054**	<0.005

Table B-2
Soil Analytical Data
Former McKesson Chemical Company
Santa Fe Springs, California

Location Name	Date Sampled	Sample Depth (ft bgs)	8260B (ug/kg)									
			1,3,5-TCB	Acetone	Benzene	Chloro-benzene	Chloroform	Ethyl-benzene	Freon 11	MEK	Methylene Chloride	MIK
E-2	2/26/2003	5	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-2	2/26/2003	10	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-2	2/26/2003	15	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-2	2/26/2003	20	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-2	2/26/2003	25	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-2	2/26/2003	28	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-2	2/26/2003	29	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-3	2/26/2003	5	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-3	2/26/2003	10	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-3	2/26/2003	15	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-3	2/26/2003	20	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-3	2/26/2003	23.5	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-3	2/26/2003	24	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-3	2/26/2003	26	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-4	2/27/2003	5	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-4	2/27/2003	10	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-4	2/27/2003	15	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-4	2/27/2003	20	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-4	2/27/2003	25	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-4	2/27/2003	26	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
E-4	2/27/2003	27	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-06	2/24/2003	5	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-06	2/24/2003	10	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-06	2/24/2003	15	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-06	2/24/2003	20	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50

Table B-2
Soil Analytical Data
Former McKesson Chemical Company
Santa Fe Springs, California

Location Name	Date Sampled	Sample Depth (ft bgs)	8260B (ug/kg)									
			1,3,5-TCB	Acetone	Benzene	Chloro-benzene	Chloroform	Ethyl-benzene	Freon 11	MEK	Methylene Chloride	MIK
MW-06	2/24/2003	25	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-06	2/24/2003	28	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-06	2/24/2003	29	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-06	2/24/2003	35	**7.0**	**890**	**5.5**	**5.4**	<5.0	**100**	<5.0	**3,900**	<50	**320**
MW-06	2/24/2003	40	**6.5**	**2,800**	**60**	**5.8**	<5.0	**120**	<5.0	**1,300**	<50	**72**
MW-06	2/24/2003	44	<50	**3,400**	<20	<50	<50	**150**	<50	<500	<500	<500
MW-06	2/24/2003	50	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-06	2/24/2003	55	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-07	2/25/2003	5	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-07	2/25/2003	10	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-07	2/25/2003	15	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-07	2/25/2003	20	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-07	2/25/2003	25	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-07	2/25/2003	27	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-07	2/25/2003	30	<5.0	<50	**2.4**	<5.0	<5.0	**9.8**	<5.0	<50	<50	<50
MW-07	2/25/2003	35	**6.5**	**35,000**	**18**	<5.0	<5.0	**98**	<5.0	**4,000**	<50	**220**
MW-07	2/25/2003	40	**10**	**4,600**	**32**	<5.0	<5.0	**140**	<5.0	**2,300**	<50	<50
MW-07	2/25/2003	45	**6.6**	**52,000**	**43**	<5.0	**16**	**44**	<5.0	**3,900**	<50	**54**
MW-07	2/25/2003	46	<5.0	**1,200**	**6.5**	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-07	2/25/2003	50	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-07	2/25/2003	55	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-07	2/25/2003	60	<5.0	<50	<2.0	<5.0	<5.0	<2.0	<5.0	<50	<50	<50
MW-08s	9/22/2003	5	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-08s	9/22/2003	10	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-08s	9/22/2003	15	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05

Table B-2
Soil Analytical Data
Former McKesson Chemical Company
Santa Fe Springs, California

Location Name	Date Sampled	Sample Depth (ft bgs)	8260B (ug/kg)									
			1,3,5-TCB	Acetone	Benzene	Chloro-benzene	Chloroform	Ethyl-benzene	Freon 11	MEK	Methylene Chloride	MIK
MW-08s	9/22/2003	20	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-08s	9/22/2003	26.5	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-08s	9/22/2003	30	<0.005	**0.51**	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-08s	9/22/2003	35	<0.005	**0.93**	**0.0082**	<0.005	<0.005	**0.034**	<0.005	**1.8**	<0.05	**0.043**
MW-09s	9/23/2003	5	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-09s	9/23/2003	10	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-09s	9/23/2003	15	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-09s	9/23/2003	20	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-09s	9/23/2003	25	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-09s	9/23/2003	30	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-09s	9/23/2003	35	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-10s	9/23/2003	5	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-10s	9/23/2003	10	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-10s	9/23/2003	15	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-10s	9/23/2003	20	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-10s	9/23/2003	26.5	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-10s	9/23/2003	30	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-10s	9/23/2003	35	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-10s	9/23/2003	39	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-11s	9/24/2003	5	**0.58**	<2.5	<0.1	<0.25	<0.25	**0.5**	<0.25	<2.5	**7**	<2.5
MW-11s	9/24/2003	10	**0.012**	**5.3**	<0.002	<0.005	<0.005	**0.0089**	**0.0061**	**0.072**	**1.6**	<0.05
MW-11s	9/24/2003	15	**0.11**	**4.8**	<0.002	<0.005	<0.005	**0.0073**	<0.005	**0.39**	**0.046**	<0.05
MW-11s	9/24/2003	21	<0.005	**1.4**	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-11s	9/24/2003	26	<10	<100	<4	<10	<10	**12**	<10	<100	<100	<100
MW-11s	9/24/2003	31	<0.05	**23**	<0.02	<0.05	<0.05	<0.02	<0.05	**6.0**	**13**	**1.7**

Table B-2
Soil Analytical Data
Former McKesson Chemical Company
Santa Fe Springs, California

Location Name	Date Sampled	Sample Depth (ft bgs)	8260B (ug/kg)									
			1,3,5-TCB	Acetone	Benzene	Chloro-benzene	Chloroform	Ethyl-benzene	Freon 11	MEK	Methylene Chloride	MIK
MW-11s	9/24/2003	36.5	<0.5	14	<0.2	<0.5	<0.5	<0.2	<0.5	<5	39	<5
MW-12s	9/23/2003	5	<0.005	<0.05	<0.002	<0.005	<0.005	<0.002	<0.005	<0.05	<0.05	<0.05
MW-12s	9/23/2003	10	<0.005	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005	<0.005	<0.05	<0.005
MW-12s	9/23/2003	15	<0.005	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005	<0.005	<0.05	<0.005
MW-12s	9/23/2003	20	<0.005	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005	<0.005	<0.05	<0.005
MW-12s	9/23/2003	27.5	<0.005	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005	<0.005	<0.05	<0.005
MW-12s	9/23/2003	31.5	<0.005	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005	<0.005	<0.05	<0.005
MW-12s	9/23/2003	35.5	<0.005	<0.005	<0.002	<0.005	<0.005	<0.002	**0.032**	<0.005	<0.05	<0.005

Table B-2
Soil Analytical Data
Former McKesson Chemical Company
Santa Fe Springs, California

Location Name	Date Sampled	Sample Depth (ft bgs)	8260B (ug/kg)						
			Naphthalene	n-Propyl benzene	p-Cymene	Toluene	Vinyl Chloride	mp-Xylenes	o-Xylenes
E-2	2/26/2003	5	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-2	2/26/2003	10	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-2	2/26/2003	15	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-2	2/26/2003	20	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-2	2/26/2003	25	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-2	2/26/2003	28	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-2	2/26/2003	29	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-3	2/26/2003	5	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-3	2/26/2003	10	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-3	2/26/2003	15	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-3	2/26/2003	20	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-3	2/26/2003	23.5	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-3	2/26/2003	24	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-3	2/26/2003	26	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-4	2/27/2003	5	<10	<5.0	<10	<2.0	<5.0	**16**	<2.0
E-4	2/27/2003	10	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-4	2/27/2003	15	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-4	2/27/2003	20	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-4	2/27/2003	25	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-4	2/27/2003	26	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
E-4	2/27/2003	27	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-06	2/24/2003	5	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-06	2/24/2003	10	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-06	2/24/2003	15	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-06	2/24/2003	20	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0

Table B-2
Soil Analytical Data
Former McKesson Chemical Company
Santa Fe Springs, California

Location Name	Date Sampled	Sample Depth (ft bgs)	8260B (ug/kg)						
			Naphthalene	n-Propyl benzene	p-Cymene	Toluene	Vinyl Chloride	mp-Xylenes	o-Xylenes
MW-06	2/24/2003	25	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-06	2/24/2003	28	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-06	2/24/2003	29	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-06	2/24/2003	35	**28**	<5.0	<10	**230**	**44**	**200**	**52**
MW-06	2/24/2003	40	**17**	<5.0	<10	**260**	**130**	**150**	**60**
MW-06	2/24/2003	44	<100	<50	<100	**130**	**390**	**780**	<20
MW-06	2/24/2003	50	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-06	2/24/2003	55	<10	<5.0	<10	**2.0**	<5.0	**15**	<2.0
MW-07	2/25/2003	5	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-07	2/25/2003	10	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-07	2/25/2003	15	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-07	2/25/2003	20	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-07	2/25/2003	25	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-07	2/25/2003	27	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-07	2/25/2003	30	**12**	<5.0	<10	**36**	**83**	**17**	**3.9**
MW-07	2/25/2003	35	**18**	<5.0	<10	**510**	**97**	**190**	**49**
MW-07	2/25/2003	40	**22**	<5.0	<10	**190**	**300**	**120**	**24**
MW-07	2/25/2003	45	**28**	<5.0	<10	**6.5**	**46**	**64**	**11**
MW-07	2/25/2003	46	<10	<5.0	<10	<2.0	**16**	**15**	<2.0
MW-07	2/25/2003	50	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-07	2/25/2003	55	<10	<5.0	<10	<2.0	<5.0	<2.0	<2.0
MW-07	2/25/2003	60	<10	<5.0	<10	<2.0	<5.0	**13**	<2.0
MW-08s	9/22/2003	5	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-08s	9/22/2003	10	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-08s	9/22/2003	15	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002

Table B-2
Soil Analytical Data
Former McKesson Chemical Company
Santa Fe Springs, California

Location Name	Date Sampled	Sample Depth (ft bgs)	8260B (ug/kg)						
			Naphthalene	n-Propyl benzene	p-Cymene	Toluene	Vinyl Chloride	mp-Xylenes	o-Xylenes
MW-08s	9/22/2003	20	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-08s	9/22/2003	26.5	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-08s	9/22/2003	30	<0.01	<0.005	<0.01	**0.0049**	**0.0072**	<0.002	<0.002
MW-08s	9/22/2003	35	<0.01	<0.005	<0.01	**0.066**	**0.033**	**0.046**	**0.0095**
MW-09s	9/23/2003	5	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-09s	9/23/2003	10	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-09s	9/23/2003	15	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-09s	9/23/2003	20	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-09s	9/23/2003	25	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-09s	9/23/2003	30	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-09s	9/23/2003	35	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-10s	9/23/2003	5	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-10s	9/23/2003	10	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-10s	9/23/2003	15	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-10s	9/23/2003	20	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-10s	9/23/2003	26.5	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-10s	9/23/2003	30	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-10s	9/23/2003	35	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-10s	9/23/2003	39	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-11s	9/24/2003	5	<0.5	<0.25	<0.5	**5.7**	<0.25	**1.7**	<0.1
MW-11s	9/24/2003	10	**0.07**	<0.005	<0.01	**0.057**	<0.005	**0.03**	**0.0084**
MW-11s	9/24/2003	15	**0.09**	**0.017**	**0.0068**	**0.0029**	<0.005	**0.038**	**0.015**
MW-11s	9/24/2003	21	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-11s	9/24/2003	26	<20	<10	<20	**190**	<10	**43**	<4
MW-11s	9/24/2003	31	<0.1	<0.05	<0.1	**0.78**	<0.05	**0.14**	<0.02

Table B-2
Soil Analytical Data
Former McKesson Chemical Company
Santa Fe Springs, California

Location Name	Date Sampled	Sample Depth (ft bgs)	8260B (ug/kg)						
			Naphthalene	n-Propyl benzene	p-Cymene	Toluene	Vinyl Chloride	mp-Xylenes	o-Xylenes
MW-11s	9/24/2003	36.5	<1	<0.5	<1	**2.7**	<0.5	**1.1**	<0.2
MW-12s	9/23/2003	5	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-12s	9/23/2003	10	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-12s	9/23/2003	15	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-12s	9/23/2003	20	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-12s	9/23/2003	27.5	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-12s	9/23/2003	31.5	<0.01	<0.005	<0.01	<0.002	<0.005	<0.002	<0.002
MW-12s	9/23/2003	35.5	<0.01	<0.005	<0.01	<0.002	**0.014**	<0.002	<0.002

notes:
VOCs = Volitle Organic Compounds
(µg/kg) = micrograms per kilogram
ft bgs = feet below ground surface
PCE = Tetrachloroethene
TCE = Trichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
trans-1,2-DCE = trans-1,2-Dichloroethene
1,1,1-TCA = 1,1,1-Trichloroethane
1,1,2-TCA = 1,1,2-Trichloroethane
1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
1,2-DCA = 1,2-Dichloroethane
1,2,4-TCB = 1,2,4-Trichlorobenzene
1,3,5-TCB = 1,3,5-Trichlorobenzene
Freon 11 = Trichlorofluoromethane
MEK = Methyl Ethyl Ketone
MIK = 4-methyl-2-Pentanone
Blank cells indicate sample not analyzed.

Appendix C

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APPENDIX C

Historical Groundwater Monitoring Data

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Historical Groundwater Analytical Data
Extraction Well EW-01
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	9/7/95	2/23/96	11/11/99	12/28/99	1/17/00	2/28/00	9/21/00	10/24/01	2/11/02	6/5/02	9/30/02	12/2/02	3/12/03	6/11/03	9/16/03
1,1,1-Trichloroethane	3100	140	39	<50	176	88	9300	2670	1540	1000	780	NS	1000	1300	900
1,1,2-Trichloro-2,2,2-Trifluoroethane	630	130	19	<50	<5	32	40	<50	<50	<100	9.4	NS	<0.5	20	18
1,1,2-Trichloroethane	<100	<2	<5	<50	<5	<5	6.2	<50	<50	<50	<5	NS	1.1	1.1	1.8
1,1-Dichloroethane	190	16	36	64	640	302	1640	468	290	190	200	NS	140	120	290
1,1-Dichloroethene	3100	150	<5	<50	475	291	2420	856	500	350	210	NS	240	280	420
1,2,3-Trichloropropane			<5	<50	<5	<5	<5	<50	<50	<50	<10	NS	<0.5	<5	<1
1,2-Dibromo-3-Chloropropane (DBCP)			<5	<50	<5	<5	<5	<50	<50	<100	<10	NS	<1	<5	<1
1,2-Dibromoethane (EDB)			<5	<50	<5	<5	<5	<50	<50	<50	<5	NS	<0.5	<3	<0.5
1,2-Dichloroethane	190	9.4	<5	<50	70	35	164	169	<50	<50	24	NS	23	24	38
1,2-Dichloropropane	<100	<2	<5	<50	<5	<5	<5	<50	<50	<50	<5	NS	<0.5	<3	<0.5
1,4-Dichlorobenzene	<10		<5	<50	<5	<5	<5	<50	<50	<50	<5	NS	<0.5	<3	<0.5
1,4-Dioxane (P-Dioxane)			<57	<570	<57	<57	<57	<570	<570			NS	<300	<2000	200
2-Chloroethyl Vinyl Ether	<100	<2	<5	<50	<5	<5	<5	<50	<50			NS			
4-Methyl-2-Pentanone	<250	<5	<10	<100	<10		<10	<100	<100			NS			
Acetone	<500	15	<100	<1000	<100	<100	<100	<1000	<1000			NS	<20	58	<20
Benzene	<100	<2	<5	<50	11	6.7	9.4	<10	<10	<50	<5	NS	2.5	1.4	4
Bromodichloromethane	<100	<2	<5	<50	<5	<5	<5	<50	<50	<50	<5	NS	<0.5	<3	<0.5
Bromoform	<100	<2	5.2	<50	<5	<5	<5	<50	<50	<50	<5	NS	<0.5	<3	<0.5
Bromomethane								<50	<50	<100	<10	NS	<1	<5	<1
Carbon Tetrachloride	<250	<5	<5	<50	<5	<5	<5	<50	<50	<50	<5	NS	<0.5	<3	<0.5
Chlorobenzene	<100	<2	<5	<50	<5	<5	<5	<50	<50	<50	<5	NS	<0.5	<3	0.49
Chloroethane	<250	<5	<5	<50	<5	<5	<5	<50	<50	<50	<5	NS	<0.5	<3	<0.5
Chloroform	<100	<2	<5	<50	<5	<5	<5	<50	<50	<50	<5	NS	1.5	2.0	1.8
Chloromethane								<50	<50	<50	<5	NS	<0.5	<3	<0.5
cis-1,2-Dichloroethene	160	35	86	202	1150	611	1770	683	494	290	250	NS	280	320	450
cis-1,3-Dichloropropene	<100	<2	<5	<50	<5	<5	<5	<50	<50	<50	<5	NS	<0.5	<3	<0.5
Dibromochloromethane	<100	<2	<5	<50	<5	<5	<5	<50	<50	<50	<5	NS	<0.5	<3	<0.5
Dibromomethane			<5	<50	<5	<5	<5	<50	<50	<50	<5	NS	<0.5	<3	<0.5
Dichlorodifluoromethane (Freon 12)			<5	<50	<5	<5	<5	<50	<50	<50	<5	NS	<0.5	<3	<0.5
Ethylbenzene	<100	<2	<5	<50	<5	34	22	<50	<50	<50	<5	NS	3.4	1.7	7.8
Methyl Ethyl Ketone (2-Butanone)	<500	<10	<100	<1000	<100	<100	<100	<1000	<1000			NS			8.8

Geosyntec consultants

Historical Groundwater Analytical Data
Extraction Well EW-01
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	9/7/95	2/23/96	11/11/99	12/28/99	1/17/00	2/28/00	9/21/00	10/24/01	2/11/02	6/5/02	9/30/02	12/2/02	3/12/03	6/11/03	9/16/03
Methylene Chloride	13000	<10	<5	<50	<5	6.9	<5	3510	104	<100	<10	NS	100	160	48
Styrene	<100	<2	<5	<50	<5	<5	<5	<50	<50	<50	<5	NS	<0.5	<3	<0.5
Tetrachloroethene	6300	<500	<5	<50	413	237	4150	1430	1200	850	420	NS	610	710	550
Toluene	350	<2	<5	<50	<5	77	422	257	130	88	58	NS	49	27	88
trans-1,2-Dichloroethene	<100	<2	14	<50	<5	<5	<5	<50	<50	<50	<5	NS	1.4	3.3	18
trans-1,3-Dichloropropene	<100	<2	<5	<50	<5	<5	<5	<50	<50	<50	<5	NS	<0.5	<3	<0.5
Trichloroethene	900	170	87	<50	205	180	687	586	342	220	140	NS	130	190	160
Trichlorofluoromethane	<250	59	6.1	<50	13	5.8	48	<50	<50	<50	7.0	NS	13	9.8	9.3
Vinyl Acetate	<250	<5	<50	<500	<50	<50	<50	<500	<500			NS			
Vinyl Chloride	<250	<5	<5	<50	53	92	947	375	256	150	190	NS	90	67	160
Xylenes (total)	130	<2	<5	<50	<5	52	71	<50	<50	<100	<10	NS	9.9	5.9	19
xylenes(m,p)				<50	<5		36.4					NS			
xylenes(o)				<50	<5		34.6					NS			

Geosyntec consultants

Historical Groundwater Analytical Data
Extraction Well EW-01
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/18/03	3/22/04	6/17/04	9/15/04	12/13/04	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06	6/15/06	9/21/06
1,1,1-Trichloroethane	1300	270	3100	820	210	4000	5900	5300	2200	1100	870	680
1,1,2-Trichloro-2,2,2-Trifluoroethane	12	7.3	17	14	7.1	15	53	<65	70	56	54	44
1,1,2-Trichloroethane	2.2	0.71	<5	1.2	<2.5	<2.5	<50	<10	<10	<5.0	<1.8	<8.0
1,1-Dichloroethane	320	96	270	210	120	190	610	700	580	600	670	490
1,1-Dichloroethene	530	82	490	250	120	450	1000	1500	860	500	510	530
1,2,3-Trichloropropane	<10	<1	<10	<1	<2.5	<2.5	<50	<27	<27	<14	<2.4	<8.2
1,2-Dibromo-3-Chloropropane (DBCP)	<10	<1	<10	<1	<10	<10	<200	<100	<100	<50	<7.6	<16
1,2-Dibromoethane (EDB)	<5	<0.5	<5	<0.5	<5	<5	<100	<10	<10	<5.0	<2.1	<7.6
1,2-Dichloroethane	44	18	28	19	13	25	66	53	42	33	29	27
1,2-Dichloropropane	<5	<0.5	<5	<0.5	<2.5	<2.5	<50	<39	<39	<20	<1.9	<8.0
1,4-Dichlorobenzene	<5	<0.5	<5	<0.5	<2.5	<2.5	<50	<31	<31	<16	<1.7	<7.4
1,4-Dioxane (P-Dioxane)	130	120	150		24	21	110	94	69	150	170	92
2-Chloroethyl Vinyl Ether												
4-Methyl-2-Pentanone					<50	<50	<1000	<160	<160	<80	<9.6	<30
Acetone	<200	<20	<200	<20	<50	<50	840	<280	380	230	210	97
Benzene	4.7	4.4	3.3	2.7	1.8	2.4	<50	<38	<38	<19	4.7	<8.4
Bromodichloromethane	<5	<0.5	<5	<0.5	<5	<5	<100	<26	<26	<13	<1.9	<8.0
Bromoform	<5	<0.5	<5	<0.5	<5	<5	<100	<86	<86	<43	<1.5	<8.2
Bromomethane	<10	<1	<10	<1	<5	<5	<100	<35	<35	<18	<2.7	<13
Carbon Tetrachloride	<5	<0.5	<5	<0.5	<2.5	<2.5	<50	<36	<36	<18	<2.9	<9.6
Chlorobenzene	<5	<0.5	<5	0.44	<2.5	<2.5	<50	<10	<10	<5.0	<1.7	<7.2
Chloroethane	<5	<0.5	<5	<0.5	<5	<5	<100	<33	<33	<17	<2.3	<9.2
Chloroform	2.1	0.94	2	1.4	1.1	1.8	<50	<35	<35	<18	5.8	<8.0
Chloromethane	<5	<0.5	<5	<0.5	<5	<5	<100	<30	<30	<15	<3.6	<8.0
cis-1,2-Dichloroethene	520	130	430	360	170	320	1600	2300	1200	910	930	750
cis-1,3-Dichloropropene	<5	<0.5	<5	<0.5	<2.5	<2.5	<50	<26	<26	<13	<2.1	<6.8
Dibromochloromethane	<5	<0.5	<5	<0.5	<5	<5	<100	<13	<13	<6.5	<2.3	<6.6
Dibromomethane	<5	<0.5	<5	<0.5	<2.5	<2.5	<50	<29	<29	<15	<2.2	<7.8
Dichlorodifluoromethane (Freon 12)	<5	<0.5	<5	<0.5	<5	<5	<100	<43	<43	<22	<3.7	<9.6

Geosyntec consultants

Historical Groundwater Analytical Data
Extraction Well EW-01
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/18/03	3/22/04	6/17/04	9/15/04	12/13/04	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06	6/15/06	9/21/06
Ethylbenzene	6.1	5.9	3	0.48	<2.5	<2.5	<50	<22	<22	<11	3.1	<8.2
Methyl Ethyl Ketone (2-Butanone)	<200	<20	<200	<20	<50	<50	<1000	<170	<170	<85	25	<34
Methylene Chloride	<10	<1	28	7.8	<10	40	1000	490	520	44	78	43
Styrene	<5	<0.5	<5	<0.5	<2.5	<2.5	<50	<20	<20	<10	<1.4	<7.4
Tetrachloroethene	590	270	1300	670	270	2900	2100	3300	2200	1400	960	520
Toluene	80	71	48	8	<2.5	2.4	81	100	110	75	48	56
trans-1,2-Dichloroethene	3.6	4	1.7	7.4	<2.5	2.8	<50	<36	<36	<18	2.6	<8.6
trans-1,3-Dichloropropene	<5	<0.5	<5	<0.5	<2.5	<2.5	<50	<11	<11	<5.5	<1.8	<7.8
Trichloroethene	230	82	270	130	81	330	480	390	470	330	180	190
Trichlorofluoromethane	6.5	2.4	11	6.4	2.5	6.2	<100	<47	<47	<24	14	14
Vinyl Acetate					<50	<50	<1000	<220	<220	<110	<4.6	<18
Vinyl Chloride	190	99	120	61	38	47	140	120	150	160	140	87
Xylenes (total)	17	8.2	6.4	2.3	<7.5	<7.5	<150	<40	<40	<20	7.4	<22
xylenes(m,p)												
xylenes(o)												

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

NS - EW-01 was not sampled because treatment system was down.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well MW-01
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/1/90	10/24/90	2/11/91	2/3/94	6/28/95	2/2/99	11/10/99	12/28/00	1/17/00	2/28/00	9/21/00	10/24/01	2/14/02	6/5/02	9/30/02
1,1,1-Trichloroethane	300	260	150	33	167	290	394	<50	282	67	107	55	52	57	2.9
1,1,2-Trichloro-2,2,2-Trifluoroethane		40	19		19	43	29	<50	<5	38	40	<50	<50	32	55
1,1,2-Trichloroethane	<6	<10	<5		<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
1,1-Dichloroethane	230	180	93	66	342	400	1290	123	1120	294	665	735	1100	1200	180
1,1-Dichloroethene	1100	790	530	626	2420	750	1010	24 (Tr)	390	<5	261	297	296	590	66
1,2,3-Trichloropropane					<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<1
1,2-Dibromo-3-Chloropropane (DBCP)					<100	<5	<50	<50	<5	<5	<5	<50	<50	<20	<1
1,2-Dibromoethane (EDB)					<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
1,2-Dichloroethane	7	<10	<5	13	51	15	32	<50	12	<5	<5	<50	<50	25	0.63
1,2-Dichloroethene, Total	650	440													
1,2-Dichloropropane	<6	<10	<5		<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
1,4-Dichlorobenzene	<10					<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
1,4-Dioxane (P-Dioxane)						100 (Tr)	<570	<570	<57	90	<57	<570	<570		
2-Chloroethyl Vinyl Ether					<10	<5	<50	<50	<5	<5	<5	<50	<50		
4-Methyl-2-Pentanone	<60	<100	<50			<10	<100	<100	<10		<10	<100	<100		
Acetone	<120	<200	<100	<100	<100	<100	<1000	<1000	<100	<100	<100	<1000	<1000		
Benzene	<6	<10	<5	<5	<5	4.9 (Tr)	<50	<50	<5	<5	<1	<10	<10	<10	0.66
Bromodichloromethane	<6	<10	<5		<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
Bromoform	<30	<50	<25		<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
Bromomethane												<50	<50	<20	<1
Carbon Tetrachloride	<6	<10	<5		<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
Chlorobenzene	<6	<10	<5	<5	<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
Chloroethane	<6	<10	<5		<10	<5	<50	<50	<5	<5	<5	<50	<50	<10	2.0
Chloroform	<6	<10	<5	<5	16	2.7 (Tr)	<50	<50	<5	<5	<5	<50	<50	<10	1.7
Chloromethane												<50	<50	<10	<0.5
cis-1,2-Dichloroethene			320	130	550	1560	1800	<50	658	1040	798	982	977	1300	86
cis-1,3-Dichloropropene	<6	<10	<5		<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
Dibromochloromethane	<6	<10	<5	<5	<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
Dibromomethane					<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5

MCK0066837

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well MW-01
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/1/90	10/24/90	2/11/91	2/3/94	6/28/95	2/2/99	11/10/99	12/28/00	1/17/00	2/28/00	9/21/00	10/24/01	2/14/02	6/5/02	9/30/02
Dichlorodifluoromethane (Freon 12)					<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
Ethylbenzene	<6	<10	<5	<5	<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
Methyl Ethyl Ketone (2-Butanone)	<120	<200	<100	<100	<100	<100	<1000	<1000	<100	<100	<100	<1000	<1000		
Methylacryonitrile					<100	<35									
Methylene Chloride	<30	<50	<25	<5	<5	<5	<50	<50	<5	<5	<5	<50	<50	<20	<1
Styrene	<6	<10	<5		<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
Tetrachloroethene	600	530	350	587	1440	460	522	<50	342	259	194	132	125	310	85
Toluene	180	<20	<10	<5	<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
trans-1,2-Dichloroethene			<5	<5	8	4.7 (Tr)	7.8	<50	<5	<5	<5	<50	<50	<10	0.98
trans-1,3-Dichloropropene	<6	<10	<5		<5	<5	<50	<50	<5	<5	<5	<50	<50	<10	<0.5
Trichloroethene	590	520	360	527	1410	230	462	<50	217	<5	191	139	116	210	100
Trichlorofluoromethane		30	14	43	103	11	13	<50	13	<5	35	<50	<50	15	28
Vinyl Acetate	<60	<100	<50		<50	<50	<500	<500	<50	<50	<50	<500	<500		
Vinyl Chloride	<6	<10	<5	<10	<10	28	8.3	<50	16	65	58	<50	<50	39	13
Xylenes (total)	13	<10	<5	<5	<5	<5	<50	<50	<5	<5	<5	<50	<50	<20	<1
xylenes(m,p)						<5		<50	<5	<5	<5				
xylenes(o)						<5		<50	<5	<5	<5				

MCK0066838

Historical Groundwater Analytical Data
Monitoring Well MW-01
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/4/02	3/12/03	6/11/03	9/16/03	12/18/03	3/22/04	6/17/04	9/15/04	12/13/04	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06
1,1,1-Trichloroethane	4.0	2.9	4.0	1.6	0.76	1.8	1.1	2	<2.5	<2.5	<2.5	1.9	<1.2	1.1
1,1,2-Trichloro-2,2,2-Trifluoroethane	57	31	6.7	8.2	41	58	49	58	53	60	6.4	15	30	37
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<0.50	<0.50	<0.10
1,1-Dichloroethane	150	150	150	83	44	110	44	78	27	43	290	240	110	180
1,1-Dichloroethene	55	68	91	58	40	58	34	67	76	85	150	190	96	140
1,2,3-Trichloropropane	<1	<1	<1	<1	<1	<1	<1	<1	<2.5	<2.5	<2.5	<1.4	<1.4	<0.27
1,2-Dibromo-3-Chloropropane (DBCP)	<1	<1	<1	<1	<1	<1	<1	<1	<10	<10	<10	<5.0	<5.0	<1.0
1,2-Dibromoethane (EDB)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<5	<0.50	<0.50	<0.10
1,2-Dichloroethane	0.50	1.2	1.4	0.79	0.42	0.73	0.61	0.42	2.8	3.5	5.7	6.6	2.7	3.2
1,2-Dichloroethene, Total														
1,2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<2.0	<2.0	<0.39
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.6	<1.6	<0.31
1,4-Dioxane (P-Dioxane)	<300	<300	<300	23	17	21	14		1.6	2.7	16	21	9.0	45
2-Chloroethyl Vinyl Ether														
4-Methyl-2-Pentanone									<50	<50	<50	<8.0	<8.0	<1.6
Acetone		<20	<20	<20	<20	<20	<20	<20	<50	<50	10	<14	<14	<2.8
Benzene	<0.5	0.46	0.74	0.36	0.24	0.19	0.09	<0.5	<2.5	<2.5	<2.5	<1.9	<1.9	<0.38
Bromodichloromethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<5	<1.3	<1.3	<0.26
Bromoform	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<5	<4.3	<4.3	<0.86
Bromomethane	<1	<1	<1	<1	<1	<1	<1	<1	<5	<5	<5	<1.8	<1.8	<0.35
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.12	<0.5	<2.5	<2.5	<2.5	<1.8	<1.8	<0.36
Chlorobenzene	<0.5	0.33	0.50	0.24	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<0.50	<0.50	0.13
Chloroethane	1.5	0.22	<0.5	<0.5	0.28	0.58	0.44	<0.5	<5	<5	<5	<1.7	<1.7	0.60
Chloroform	2.4	1.5	1.1	1	1.8	2.2	2.4	2.3	3.2	3.9	2.3	2.9	4.0	10
Chloromethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<5	<1.5	<1.5	<0.30
cis-1,2-Dichloroethene	68	110	150	100	46	81	29	77	30	46	300	260	98	170
cis-1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.3	<1.3	<0.26
Dibromochloromethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5	<5	<5	<0.65	<0.65	<0.13
Dibromomethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.5	<1.5	<0.29

Historical Groundwater Analytical Data
Monitoring Well MW-01
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/4/02	3/12/03	6/11/03	9/16/03	12/18/03	3/22/04	6/17/04	9/15/04	12/13/04	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06
Dichlorodifluoromethane (Freon 12)	<0.5	<0.5	<0.5	0.07	<0.5	<0.5	<0.5	<0.5	<5	<5	<5	<2.2	<2.2	<0.43
Ethylbenzene	<0.5	0.20	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.1	<1.1	<0.22
Methyl Ethyl Ketone (2-Butanone)				<20	<20	<20	<20	<20	<50	<50	<50	<8.5	<8.5	<1.7
Methylacryonitrile														
Methylene Chloride	<1	<1	<1	0.13	<1	<1	<1	<1	<10	<10	<10	<3.6	5.8	0.97
Styrene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.0	<1.0	<0.20
Tetrachloroethene	74	120	160	130	99	97	85	96	100	130	140	160	100	130
Toluene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.12	<0.5	<2.5	<2.5	<2.5	<0.50	1.5	<0.10
trans-1,2-Dichloroethene	0.74	0.34	1.2	0.67	0.16	0.83	0.17	1.3	<2.5	<2.5	1.1	<1.8	<1.8	0.62
trans-1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<0.55	<0.55	<0.11
Trichloroethene	90	56	54	41	85	95	100	210	150	140	76	88	82	110
Trichlorofluoromethane	23	16	3.1	3.6	19	23	20	24	22	22	3.7	6.7	8.9	14
Vinyl Acetate									<50	<50	<50	<11	<11	<2.2
Vinyl Chloride	8.2	6.8	12	4.8	1.6	1.2	0.62	0.24	2.1	<2.5	<2.5	<1.4	<1.4	0.53
Xylenes (total)	<1	<1	<1	<1	0.58	<1	<1	<1	<7.5	<7.5	<7.5	<2.0	<2.0	<0.40
xylenes(m,p)														
xylenes(o)														

Historical Groundwater Analytical Data
Monitoring Well MW-01
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	6/15/06	9/22/06
1,1,1-Trichloroethane	1.7	<4.6
1,1,2-Trichloro-2,2,2-Trifluoroethane	82	72
1,1,2-Trichloroethane	<0.18	<4.0
1,1-Dichloroethane	300	150
1,1-Dichloroethene	180	150
1,2,3-Trichloropropane	<0.24	<4.1
1,2-Dibromo-3-Chloropropane (DBCP)	<0.76	<7.6
1,2-Dibromoethane (EDB)	<0.21	<3.8
1,2-Dichloroethane	4.1	4.1
1,2-Dichloroethene, Total		
1,2-Dichloropropane	<0.19	<4.0
1,4-Dichlorobenzene	<0.17	<3.7
1,4-Dioxane (P-Dioxane)	47	19
2-Chloroethyl Vinyl Ether		
4-Methyl-2-Pentanone	<0.96	<15
Acetone	<1.8	26
Benzene	<0.18	<4.2
Bromodichloromethane	<0.19	<4.0
Bromoform	<0.15	<4.1
Bromomethane	<0.27	<6.1
Carbon Tetrachloride	<0.29	<4.8
Chlorobenzene	0.26	<3.6
Chloroethane	1.0	<4.6
Chloroform	25	28
Chloromethane	<0.36	<4.0
cis-1,2-Dichloroethene	240	140
cis-1,3-Dichloropropene	<0.21	<3.4
Dibromochloromethane	<0.23	<3.3
Dibromomethane	<0.22	<3.9

Historical Groundwater Analytical Data
Monitoring Well MW-01
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	6/15/06	9/22/06
Dichlorodifluoromethane (Freon 12)	<0.37	<4.8
Ethylbenzene	<0.14	<4.1
Methyl Ethyl Ketone (2-Butanone)	<2.3	<17
Methylacryonitrile		
Methylene Chloride	<0.22	<4.3
Styrene	<0.14	<3.7
Tetrachloroethene	180	190
Toluene	<0.18	<3.6
trans-1,2-Dichloroethene	1.6	<4.3
trans-1,3-Dichloropropene	<0.18	<3.9
Trichloroethene	170	130
Trichlorofluoromethane	27	27
Vinyl Acetate	<0.46	<9.0
Vinyl Chloride	1.5	<4.3
Xylenes (total)	<0.57	<11
xylenes(m,p)		
xylenes(o)		

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well MW-02
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/1/90	10/24/90	2/11/91	2/2/94	6/28/95	9/1/95	2/23/96	2/2/99	9/20/00	10/23/01	2/13/02	6/4/02	9/27/02	12/3/02
1,1,1-Trichloroethane	30	27	37	16	12	8.2	9.6	12	37.1	52	36 (Tr)	34	2.2	1.8
1,1,2-Trichloro-2,2,2-Trifluoroethane	14	30	24		49	30	16	28	<5	<5	<50	17	26	17
1,1,2-Trichloroethane	<1	<5	<5		<5	<2	<2	<5	<5	<5	<50	<3	<0.5	<0.5
1,1-Dichloroethane	20	<5	22	<5	16	7.4	8.5	10	96.9	1000	1050	970	35	45
1,1-Dichloroethene	270	67	360	85	103	72	51	83	211	470	644	480	48	60
1,2,3-Trichloropropane					<5			<5	<5	<5	<50	<5	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)					<100	<5		<5	<5	<5	<50	<5	<1	<1
1,2-Dibromoethane (EDB)					<5			<5	<5	<5	<50	<3	<0.5	<0.5
1,2-Dichloroethane	6	<5	<5	<5	<5	<2	<2	<5	<5	<5	<50	4	0.53	0.83
1,2-Dichloroethene, Total	80	47												
1,2-Dichloropropane	<1	<5	<5		<5	<2	<2	<5	<5	<5	<50	<3	<0.5	<0.5
1,4-Dichlorobenzene	<10					<5		<5	<5	<5	<50	<3	<0.5	<0.5
1,4-Dioxane (P-Dioxane)						<5		<200	<57	<57	<570			<300
2-Chloroethyl Vinyl Ether					<10	<2	<2	<5	<5	<5	<50			
4-Methyl-2-Pentanone	<10	<50	<50		<50	<5	<5	<10	<10	<10	<100			
Acetone	<20	<100	<100	<100	<100	<10	<10	<100	<100	<100	<1000			
Benzene	<1	<5	<5	<5	<5	<2	<2	<5	<1	17	<10	5.8	0.57	0.88
Bromodichloromethane	<1	<5	<5		<5	<2	<2	<5	<5	<5	<50	<3	<0.5	<0.5
Bromoform	<5	<25	<25		<5	<2	<2	<5	<5	<5	<50	<3	<0.5	<0.5
Bromomethane										<5	<50	<5	<1	<1
Carbon Tetrachloride	<1	<5	<5		<5	<5	<5	<5	<5	<5	<50	<3	<0.5	<0.5
Chlorobenzene	<1	<5	<5	<5	<5	<2	<2	<5	<5	<5	<50	5.5	<0.5	<0.5
Chloroethane	<1	<5	<5		<10	<5	<5	<5	<5	<5	<50	<3	<0.5	<0.5
Chloroform	2	<5	<5	<5	<5	<2	<2	<5	<5	<5	<50	<3	0.87	0.92
Chloromethane										<5	<50	<3	<0.5	<0.5
cis-1,2-Dichloroethene			78	15	32	19	32	88	335	2050	2230	2000	79	100
cis-1,3-Dichloropropene	<1	<5	5		<5	<2	<2	<5	<5	<5	<50	<3	<0.5	<0.5
Dibromochloromethane	<1	<5	<5	<5	<5	<2	<2	<5	<5	<5	<50	<3	<0.5	<0.5
Dibromomethane					<5			<5	<5	<5	<50	<3	<0.5	<0.5

Historical Groundwater Analytical Data
Monitoring Well MW-02
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/1/90	10/24/90	2/11/91	2/2/94	6/28/95	9/1/95	2/23/96	2/2/99	9/20/00	10/23/01	2/13/02	6/4/02	9/27/02	12/3/02
Dichlorodifluoromethane (Freon 12)					<5			<5	<5	<5	<50	<3	<0.5	<0.5
Ethylbenzene	<1	<5	<5	<5	<5	<2	<2	<5	<5	<5	<50	<3	<0.5	<0.5
Methyl Ethyl Ketone (2-Butanone)	<20	<100	<100	<100	<100	<10	<10	<100	<100	<100	<1000			
Methylacryonitrile					<100			<35						
Methylene Chloride	<5	<25	<25	<5	<5	<10	<10	<5	<5	<5	<50	7.4	<1	<1
Styrene	<1	<5	<5		<5	<2	<2	<5	<5	<5	<50	<3	<0.5	<0.5
Tetrachloroethene	220	<5	270	197	88	73	60	118	304	100	159	170	190	210
Toluene	6	<10	<10	<5	<5	<2	<2	<5	<5	<5	<50	<3	<0.5	<0.5
trans-1,2-Dichloroethene			<5	<5	<5	<2	<2	<5	<5	<5	<50	10	0.58	1.3
trans-1,3-Dichloropropene	<1	<5	<5		<5	<2	<2	<5	<5	<5	<50	<3	<0.5	<0.5
Trichloroethene	400	680	700	229	181	150	100	105	134	170	215	210	60	72
Trichlorofluoromethane	10	10	26	41	13	15	7	9.7	<5	<5	<50	4.3	7.4	7.3
Vinyl Acetate	<10	<50	<50		<50	<5	<5	<50	<50	<50	<500			
Vinyl Chloride	<1	<5	<5	<10	<10	<5	<5	<5	<5	4.7	<50	5.8	1.6	2.7
Xylenes (total)	<1	<5	<5	<5	<5	<2	<2	<5	<5	<5	<50	<5	<1	<1
xylenes(m,p)								<5	<5					
xylenes(o)								<5	<5					

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well MW-02
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/03	6/10/03	9/17/03	12/18/03	3/19/04	6/17/04	9/14/04	12/10/04	3/10/05	6/7/05	9/20/05	12/13/05	3/8/06	6/14/06	9/21/06
1,1,1-Trichloroethane	1.3	0.76	0.59	1.1	0.23	<3	0.21	<2.5	<2.5	<2.5	<1.2	0.42	0.65	<1.6	<2.3
1,1,2-Trichloro-2,2,2-Trifluoroethane	16	8.6	8.2	8.3	4	5.6	3.3	5.1	3.6	21	23	51	130	130	64
1,1,2-Trichloroethane	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<2.5	<2.5	<2.5	<0.50	<0.10	<0.10	<0.90	<2.0
1,1-Dichloroethane	45	30	31	54	14	43	24	10	40	25	21	38	49	52	46
1,1-Dichloroethene	66	45	42	62	21	44	27	32	53	25	31	55	88	86	66
1,2,3-Trichloropropane	<1	<1	<2	<1	<1	<5	<1	<2.5	<2.5	<2.5	<1.4	<0.27	<0.27	<1.2	<2.1
1,2-Dibromo-3-Chloropropane (DBCP)	<1	<1	<2	<1	<1	<5	<1	<10	<10	<10	<5.0	<1.0	<1.0	<3.8	<3.8
1,2-Dibromoethane (EDB)	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<5	<5	<5	<0.50	<0.10	<0.10	<1.1	<1.9
1,2-Dichloroethane	0.52	0.60	0.96	0.96	1.2	<3	0.5	<2.5	<2.5	<2.5	<1.9	0.67	1.2	1.2	<1.7
1,2-Dichloroethene, Total															
1,2-Dichloropropane	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<2.5	<2.5	<2.5	<2.0	<0.39	<0.39	<0.95	<2.0
1,4-Dichlorobenzene	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<2.5	<2.5	<2.5	<1.6	<0.31	<0.31	<0.85	<1.9
1,4-Dioxane (P-Dioxane)	<300	<300	9.5	14	0.72		8.4	2.4	2.0		2.2	3.3	11	6.7	5.7
2-Chloroethyl Vinyl Ether															
4-Methyl-2-Pentanone								<50	<50	<50	<8.0	<1.6	<1.6	<4.8	<7.5
Acetone	<20	<20	<40	<20	<20	<100	<20	<50	<50	14	<14	<2.8	<2.8	<9.0	<11
Benzene	0.88	0.36	0.36	0.91	0.11	<3	0.33	<2.5	<2.5	<2.5	<1.9	0.71	0.66	<0.90	<2.1
Bromodichloromethane	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<5	<5	<5	<1.3	<0.26	<0.26	<0.95	<2.0
Bromoform	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<5	<5	<5	<4.3	<0.86	<0.86	<0.75	<2.1
Bromomethane	<1	<1	<2	<1	<1	<5	<1	<5	<5	<5	<1.8	<0.35	<0.35	<1.4	<3.1
Carbon Tetrachloride	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<2.5	<2.5	<2.5	<1.8	<0.36	<0.36	<1.5	<2.4
Chlorobenzene	0.26	<0.5	<1	<0.5	<0.5	<3	0.09	<2.5	<2.5	<2.5	<0.50	0.15	0.30	<0.85	<1.8
Chloroethane	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<5	<5	<5	<1.7	<0.33	<0.33	<1.2	<2.3
Chloroform	0.97	0.78	0.6	0.67	0.61	0.55	0.61	<2.5	<2.5	2.2	3.4	6.0	12	13	8.2
Chloromethane	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<5	<5	<5	<1.5	<0.30	<0.30	<1.8	<2.0
cis-1,2-Dichloroethene	96	77	79	86	39	91	43	27	69	49	45	71	100	100	90
cis-1,3-Dichloropropene	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<2.5	<2.5	<2.5	<1.3	<0.26	<0.26	<1.1	<1.7
Dibromochloromethane	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<5	<5	<5	<0.65	<0.13	<0.13	<1.2	<1.7
Dibromomethane	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<2.5	<2.5	<2.5	<1.5	<0.29	<0.29	<1.1	<2.0

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well MW-02
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/03	6/10/03	9/17/03	12/18/03	3/19/04	6/17/04	9/14/04	12/10/04	3/10/05	6/7/05	9/20/05	12/13/05	3/8/06	6/14/06	9/21/06
Dichlorodifluoromethane (Freon 12)	0.74	<0.5	<1	<0.5	<0.5	<3	<0.5	<5	<5	<5	<2.2	<0.43	<0.43	<1.9	<2.4
Ethylbenzene	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<2.5	<2.5	<2.5	<1.1	<0.22	<0.22	<0.70	<2.1
Methyl Ethyl Ketone (2-Butanone)			<40	<20	<20	<100	<20	<50	<50	<50	<8.5	<1.7	<1.7	<12	<8.5
Methylacryonitrile															
Methylene Chloride	<1	<1	0.24	<1	<1	0.9	<1	<10	<10	<10	<3.6	<0.72	0.88	<1.1	<2.2
Styrene	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<2.5	<2.5	<2.5	<1.0	<0.20	<0.20	<0.70	<1.9
Tetrachloroethene	170	200	220	210	300	230	180	140	170	160	160	160	170	190	180
Toluene	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<2.5	<2.5	<2.5	<0.50	0.77	<0.10	<0.90	<1.8
trans-1,2-Dichloroethene	0.95	0.56	0.87	1.2	0.36	<3	0.39	<2.5	<2.5	2.6	<1.8	<0.36	0.78	<0.95	<2.2
trans-1,3-Dichloropropene	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<2.5	<2.5	<2.5	<0.55	<0.11	<0.11	<0.90	<2.0
Trichloroethene	68	56	69	62	59	52	36	29	39	51	61	99	190	170	120
Trichlorofluoromethane	7.2	3.8	3.1	3.2	1.7	1.4	0.94	<5	<5	5.5	7.1	15	31	27	19
Vinyl Acetate								<50	<50	<50	<11	<2.2	<2.2	<2.3	<4.5
Vinyl Chloride	3.5	1.2	1.5	3.8	0.34	2.5	2.1	<2.5	<2.5	<2.5	<1.4	1.4	1.5	1.6	<2.2
Xylenes (total)	<1	<1	<2	<1	<1	<5	<1	<7.5	<7.5	<7.5	<2.0	0.43	<0.40	<2.9	<5.6
xylenes(m,p)															
xylenes(o)															

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well MW-03
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/2/90	10/24/90	2/11/91	2/3/94	6/28/95	2/2/99	9/20/00	10/26/01	2/13/02	6/4/02	9/30/02	12/4/02	3/12/03
1,1,1-Trichloroethane	1700	2200	1300	168	649	12	14	15	<125	6.2	7.8	60	0.99
1,1,2-Trichloro-2,2,2-Trifluoroethane	53	200	76		34	7	<5	<5	<125	4.4	4.6	<1	<3
1,1,2-Trichloroethane	<8	<20	<10		<5	<5	<5	<5	<125	<3	1.2	<1	<3
1,1-Dichloroethane	100	480	200	52	231	130	443	452	425	190	100	150	110
1,1-Dichloroethene	1200	1700	1300	666	1740	310	620	559	634	330	170	140	300
1,2,3-Trichloropropane					<5	<5	<5	<5	<125	<5	<1	<2	<5
1,2-Dibromo-3-Chloropropane (DBCP)					<100	<5	<5	<5	<125	<3	<1	<2	<5
1,2-Dibromoethane (EDB)					<5	<5	<5	<5	<125	<3	<0.5	<1	<3
1,2-Dichloroethane	<8	<20	<10	<5	<5	<5	<5	<5	<125	<3	0.71	1.2	<3
1,2-Dichloroethene, Total	230	630											
1,2-Dichloropropane	<8	<20	<10		<5	<5	<5	<5	<125	<3	<0.5	<1	<3
1,4-Dichlorobenzene	<10					<5	<5	<5	<125	<3	<0.5	<1	<3
1,4-Dioxane (P-Dioxane)						<200	<57	<57	<1425			<600	<2000
2-Chloroethyl Vinyl Ether					<10	<5	<5	<5	<125				
4-Methyl-2-Pentanone	<80	<200	<100		<50	<10	<10	<10	<250				
Acetone	210	<400	<200	<100	<100	<100	<100	<100	<2500				<100
Benzene	<8	29	11	<5	14	6	23	14	<25	8.8	6.1	8.7	5.0
Bromodichloromethane	<8	<20	<10		<5	<5	<5	<5	<125	<3	<0.5	<1	<3
Bromoform	<40	<100	<50		<5	<5	<5	<5	<125	<3	<0.5	<1	<3
Bromomethane								<5	<125	<5	<1	<2	<5
Carbon Tetrachloride	<8	<20	<10		<5	<5	<5	<5	<125	<3	<0.5	<1	<3
Chlorobenzene	<8	<20	<10	<5	<5	<5	<5	7.3	<125	5	2.3	<1	2.5
Chloroethane	<8	<20	<10		<10	<5	<5	<5	<125	<3	<0.5	<1	<3
Chloroform	<8	<20	<10	<5	<5	<5	<5	<5	<125	<3	<0.5	<1	<3
Chloromethane								<5	<125	<3	<0.5	<1	<3
cis-1,2-Dichloroethene			280	140	765	330	2790	2070	3360	2500	430	460	580
cis-1,3-Dichloropropene	<8	<20	<10		<5	<5	<5	<5	<125	<3	<0.5	<1	<3
Dibromochloromethane	<8	<20	<10	<5	<5	<5	<5	<5	<125	<3	<0.5	<1	<3
Dibromomethane					<5	<5	<5	<5	<125	<3	<0.5	<1	<3

Historical Groundwater Analytical Data
Monitoring Well MW-03
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/2/90	10/24/90	2/11/91	2/3/94	6/28/95	2/2/99	9/20/00	10/26/01	2/13/02	6/4/02	9/30/02	12/4/02	3/12/03
Dichlorodifluoromethane (Freon 12)					<5	<5	<5	<5	<125	<3	<0.5	<1	<3
Ethylbenzene	<8	<20	<10	7	<5	<5	<5	<5	<125	<3	<0.5	4.7	0.46
Methyl Ethyl Ketone (2-Butanone)	<160	<400	<200	<100	<100	<100	<100	<100	<2500				
Methylacryonitrile					<100	<35							
Methylene Chloride	140	<100	<50	<5	15	<5	<5	<5	<125	8.7	<1	<2	<5
Styrene	<8	<20	<10		<5	<5	<5	<5	<125	<3	<0.5	<1	<3
Tetrachloroethene	1100	1200	1100	608	1780	240	119	134	109 (Tr)	170	92	180	92
Toluene	14	<40	<20	<5	<5	<5	<5	<5	<125	<3	<0.5	7.1	1.2
trans-1,2-Dichloroethene			<10	<5	6	2.1 (Tr)	<5	6.8	<125	15	6.3	6.2	2.7
trans-1,3-Dichloropropene	<8	<20	<10		<5	<5	<5	<5	<125	<3	<0.5	<1	<3
Trichloroethene	230	400	210	156	682	95	47.8	78	40 (Tr)	41	56	110	22
Trichlorofluoromethane		80	77	8	35	<5	<5	<5	<125	<3	2.1	1.8	<3
Vinyl Acetate	<80	<200	<100		<50	<50	<50	<50	<1250				
Vinyl Chloride	<8	<20	<10	<10	<10	<5	<5	<5	<125	<3	0.92	1.7	2.1
Xylenes (total)	100	120	49	<5	<5	<5	70.6	5.9	<125	<5	1.3	12	2.5
xylenes(m,p)						<5	<5						
xylenes(o)						<5	70.6						

Historical Groundwater Analytical Data
Monitoring Well MW-03
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	6/11/03	9/16/03	12/19/03	3/22/04	6/17/04	9/15/04	12/13/04	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06	6/15/06	9/22/06
1,1,1-Trichloroethane	1.3	29	3.1	3.8	3.6	2.2	<2.5	2.8	1.7	4.1	<1.2	<1.2	4.7	<4.6
1,1,2-Trichloro-2,2,2-Trifluoroethane	1.9	4.8	8.2	11	8.5	27	19	5.9	3.2	5.0	4.4	4.9	3.6	<4.9
1,1,2-Trichloroethane	<3	0.59	<3	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<0.50	<0.50	<0.50	<0.90	<4.0
1,1-Dichloroethane	78	99	150	46	28	51	94	30	49	30	41	34	25	17
1,1-Dichloroethene	140	200	200	130	73	140	67	81	94	56	74	77	53	47
1,2,3-Trichloropropane	<5	<1	<5	<1	<1	<1	<2.5	<2.5	<2.5	<1.4	<1.4	<1.4	<1.2	<4.1
1,2-Dibromo-3-Chloropropane (DBCP)	<5	<1	<3	<1	<1	<1	<10	<10	<10	<5.0	<5.0	<5.0	<3.8	<7.6
1,2-Dibromoethane (EDB)	<3	<0.5	<3	<0.5	<0.5	<0.5	<5	<5	<5	<0.50	<0.50	<0.50	<1.1	<3.8
1,2-Dichloroethane	0.66	0.54	<3	<0.5	0.19	<0.5	<2.5	<2.5	<2.5	<1.9	<1.9	<1.9	<1.1	<3.3
1,2-Dichloroethene, Total														
1,2-Dichloropropane	<3	<0.5	<3	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<2.0	<2.0	<2.0	<0.95	<4.0
1,4-Dichlorobenzene	<3	0.08	<3	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.6	<1.6	<1.6	<0.85	<3.7
1,4-Dioxane (P-Dioxane)	<2000	93	200	68	29		24	11	12	4.3	9.6	14	11	4.4
2-Chloroethyl Vinyl Ether														
4-Methyl-2-Pentanone							<50	<50	<50	<8.0	<8.0	<8.0	<4.8	<15
Acetone	<100	<20	<100	<20	<20	<20	<50	<50	<50	<14	<14	<14	<9.0	29
Benzene	3.0	3.9	9.6	2.4	1.1	3.2	<2.5	<2.5	<2.5	<1.9	<1.9	<1.9	1.2	<4.2
Bromodichloromethane	<3	<0.5	<3	<0.5	<0.5	<0.5	<5	<5	<5	<1.3	<1.3	<1.3	<0.95	<4.0
Bromoform	<3	<0.5	<3	<0.5	<0.5	<0.5	<5	<5	<5	<4.3	<4.3	<4.3	<0.75	<4.1
Bromomethane	<5	<1	<5	<1	<1	<1	<5	<5	<5	<1.8	<1.8	<1.8	<1.4	<6.1
Carbon Tetrachloride	<3	<0.5	<3	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.8	<1.8	<1.8	<1.5	<4.8
Chlorobenzene	2.2	2	3.0	0.91	0.5	1.2	<2.5	<2.5	<2.5	0.95	1.2	0.90	1.3	<3.6
Chloroethane	<3	<0.5	<3	0.24	<0.5	0.43	<5	<5	<5	<1.7	<1.7	<1.7	<1.2	<4.6
Chloroform	<3	0.51	<3	0.54	0.85	1.4	1.1	1.4	<2.5	<1.8	<1.8	<1.8	<0.80	<4.0
Chloromethane	<3	<0.5	<3	<0.5	<0.5	<0.5	<5	<5	<5	<1.5	<1.5	<1.5	<1.8	<4.0
cis-1,2-Dichloroethene	1000	500	410	150	93	230	22	150	480	380	420	290	400	200
cis-1,3-Dichloropropene	<3	<0.5	<3	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.3	<1.3	<1.3	<1.1	<3.4
Dibromochloromethane	<3	<0.5	<3	<0.5	<0.5	<0.5	<5	<5	<5	<0.65	<0.65	<0.65	<1.2	<3.3
Dibromomethane	<3	<0.5	<3	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.5	<1.5	<1.5	<1.1	<3.9

Historical Groundwater Analytical Data
Monitoring Well MW-03
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	6/11/03	9/16/03	12/19/03	3/22/04	6/17/04	9/15/04	12/13/04	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06	6/15/06	9/22/06
Dichlorodifluoromethane (Freon 12)	<3	<0.5	<3	<0.5	<0.5	<0.5	<5	<5	<5	<2.2	<2.2	<2.2	<1.9	<4.8
Ethylbenzene	0.92	0.09	<3	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.1	<1.1	<1.1	<0.70	<4.1
Methyl Ethyl Ketone (2-Butanone)		<20	<100	<20	<20	<20	<50	<50	<50	<8.5	<8.5	<8.5	<12	<17
Methylacryonitrile														
Methylene Chloride	3.5	0.53	11	<1	<1	<1	<10	<10	<10	<3.6	9.2	<3.6	<1.1	<4.3
Styrene	0.57	<0.5	<3	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.0	<1.0	<1.0	<0.70	<3.7
Tetrachloroethene	61	85	150	150	100	170	130	87	81	56	69	55	66	58
Toluene	3.9	1.2	<3	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<0.50	1.9	<0.50	<0.90	<3.6
trans-1,2-Dichloroethene	3.5	5.5	2.8	2.1	0.7	2.1	<2.5	1.2	2.0	<1.8	<1.8	<1.8	1.3	<4.3
trans-1,3-Dichloropropene	<3	<0.5	<3	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<0.55	<0.55	<0.55	<0.90	<3.9
Trichloroethene	16	60	100	81	59	110	72	40	20	32	28	34	22	17
Trichlorofluoromethane	0.46	1.6	4.4	4.9	3.5	12	8.3	2.4	<5	<2.4	<2.4	<2.4	<2.8	<6.0
Vinyl Acetate							<50	<50	<50	<11	<11	<11	<2.3	<9.0
Vinyl Chloride	<3	0.62	14	7.9	3.9	11	<2.5	<2.5	<2.5	<1.4	<1.4	<1.4	<1.4	<4.3
Xylenes (total)	11	0.79	2.0	0.55	<1	1.1	<7.5	<7.5	<7.5	<2.0	<2.0	<2.0	<2.9	<11
xylenes(m,p)														
xylenes(o)														

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well MW-04
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/2/95	3/5/99	9/20/00	10/23/01	2/14/02	6/3/02	9/26/02	12/2/02	3/10/03	6/9/03	9/16/03	12/18/03	3/19/04
1,1,1-Trichloroethane	22	6.1	190	13	7.5	4.1	<0.5	<0.5	0.44	2.0	0.61	0.35	0.15
1,1,2-Trichloro-2,2,2-Trifluoroethane	<5	<5	4.7	<5	<5	<0.5	24	15	20	31	17	17	15
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	<5	<5	60	10	3.6 (Tr)	4.4	0.65	<0.5	0.27	0.68	0.32	0.38	0.39
1,1-Dichloroethene	38	41	<5	11	7.8	8.8	14	12	10	15	10	12	11
1,2,3-Trichloropropane		<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)	<5	<5	<5	<5	<5	<0.5	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromoethane (EDB)		<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	0.29	0.22	0.39	0.77	0.57
1,2-Dichloropropane	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dioxane (P-Dioxane)	<5	<100	<57	<57	<57			<300	<300	<300	<2	1.8	1.7
2-Chloroethyl Vinyl Ether	<50	<5	<5	<5	<5								
4-Methyl-2-Pentanone	<30	<10	<10	<10	<10								
Acetone	<50	<100	<100	<100	<100				<20	<20	<20	<20	<20
Benzene	<5	<5	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane				<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	0.18	0.08	<0.5	0.17
Chlorobenzene	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	<30	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	<5	<5	<5	<5	<5	<0.5	0.84	0.83	0.66	0.99	0.6	0.73	0.71
Chloromethane				<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	11	<5	9.1	19	4.7 (Tr)	4.5	11	14	4.7	5.0	6.5	17	11
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromomethane		<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane (Freon 12)		<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Historical Groundwater Analytical Data
Monitoring Well MW-04
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/2/95	3/5/99	9/20/00	10/23/01	2/14/02	6/3/02	9/26/02	12/2/02	3/10/03	6/9/03	9/16/03	12/18/03	3/19/04
Ethylbenzene	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone (2-Butanone)	<50	<100	<100	<100	<100						<20	<20	<20
Methylacryonitrile		<35											
Methylene Chloride	23	<5	118	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	206	166	122	20	26	33	150	190	92	89	130	190	180
Toluene	<5	<5	17	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.23	0.14
trans-1,3-Dichloropropene	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	164	161	77	8.6	9.7	13	90	73	70	93	59	80	75
Trichlorofluoromethane	59	<5	<5	<5	<5	<0.5	13	7.0	10	16	7.9	8.0	7.6
Vinyl Acetate	<30	<50	<50	<50	<50								
Vinyl Chloride	<30	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenes (total)	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	0.39	<1
xylenes(m,p)		<5	<5										
xylenes(o)		<5	<5										

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well MW-04
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	6/16/04	9/13/04	12/9/04	3/9/05	6/6/05	9/19/05	12/13/05	3/7/06	6/13/06	9/20/06
1,1,1-Trichloroethane	<0.5	0.09	<2.5	<2.5	<2.5	9.5	0.64	0.47	<0.62	<2.3
1,1,2-Trichloro-2,2,2-Trifluoroethane	13	14	18	10	14	55	96	99	52	68
1,1,2-Trichloroethane	<0.5	<0.5	<2.5	<2.5	<2.5	<0.50	<0.10	<0.10	<0.36	<2.0
1,1-Dichloroethane	0.57	0.34	<2.5	<2.5	<2.5	<1.9	0.37	0.53	0.60	<1.8
1,1-Dichloroethene	12	10	12	10	6.2	18	31	36	22	42
1,2,3-Trichloropropane	<1	<1	<2.5	<2.5	<2.5	<1.4	<0.27	<0.27	<0.48	<2.1
1,2-Dibromo-3-Chloropropane (DBCP)	<1	<1	<10	<10	<10	<5.0	<1.0	<1.0	<1.6	<3.8
1,2-Dibromoethane (EDB)	<0.5	<0.5	<5	<5	<5	<0.50	<0.10	<0.10	<0.42	<1.9
1,2-Dichloroethane	0.53	0.24	<2.5	<2.5	<2.5	<1.9	<0.38	0.59	0.52	<1.7
1,2-Dichloropropane	<0.5	<0.5	<2.5	<2.5	<2.5	<2.0	<0.39	<0.39	<0.38	<2.0
1,4-Dichlorobenzene	<0.5	<0.5	<2.5	<2.5	<2.5	<1.6	<0.31	<0.31	<0.34	<1.9
1,4-Dioxane (P-Dioxane)		0.76	<1.9	<1.9		<0.20	0.23	1.3	1.3	2.2
2-Chloroethyl Vinyl Ether										
4-Methyl-2-Pentanone			<50	<50	<50	<8.0	<1.6	<1.6	<2.0	<7.5
Acetone	<20	<20	<50	<50	10	<14	<2.8	<2.8	<3.6	<11
Benzene	<0.5	<0.5	<2.5	<2.5	<2.5	<1.9	<0.38	<0.38	<0.36	<2.1
Bromodichloromethane	<0.5	<0.5	<5	<5	<5	<1.3	<0.26	<0.26	<0.38	<2.0
Bromoform	<0.5	<0.5	<5	<5	<5	<4.3	<0.86	<0.86	<0.30	<2.1
Bromomethane	<1	<1	<5	<5	<5	<1.8	<0.35	<0.35	<0.54	<3.1
Carbon Tetrachloride	<0.5	0.1	<2.5	<2.5	<2.5	<1.8	<0.36	0.44	<0.58	<2.4
Chlorobenzene	<0.5	<0.5	<2.5	<2.5	<2.5	<0.50	<0.10	<0.10	<0.34	<1.8
Chloroethane	<0.5	<0.5	<5	<5	<5	<1.7	<0.33	<0.33	<0.46	<2.3
Chloroform	0.75	0.64	<2.5	<2.5	<2.5	3.3	5.1	6.6	5.1	11
Chloromethane	<0.5	<0.5	<5	<5	<5	<1.5	<0.30	<0.30	<0.72	<2.0
cis-1,2-Dichloroethene	13	5.7	4.5	5.8	4.6	3.5	4.7	5.4	4.1	6.0
cis-1,3-Dichloropropene	<0.5	<0.5	<2.5	<2.5	<2.5	<1.3	<0.26	<0.26	<0.42	<1.7
Dibromochloromethane	<0.5	<0.5	<5	<5	<5	<0.65	<0.13	<0.13	<0.46	<1.7
Dibromomethane	<0.5	<0.5	<2.5	<2.5	<2.5	<1.5	<0.29	<0.29	<0.44	<2.0
Dichlorodifluoromethane (Freon 12)	<0.5	<0.5	<5	<5	<5	<2.2	<0.43	<0.43	<0.74	<2.4

Historical Groundwater Analytical Data
Monitoring Well MW-04
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	6/16/04	9/13/04	12/9/04	3/9/05	6/6/05	9/19/05	12/13/05	3/7/06	6/13/06	9/20/06
Ethylbenzene	<0.5	<0.5	<2.5	<2.5	<2.5	<1.1	<0.22	<0.22	<0.28	<2.1
Methyl Ethyl Ketone (2-Butanone)	<20	<20	<50	<50	<50	<8.5	<1.7	<1.7	<4.6	<8.5
Methylacryonitrile										
Methylene Chloride	<1	<1	<10	<10	<10	<3.6	<0.72	<0.72	<0.44	<2.2
Styrene	<0.5	<0.5	<2.5	<2.5	<2.5	<1.0	<0.20	<0.20	<0.28	<1.9
Tetrachloroethene	180	120	100	110	94	76	90	99	78	94
Toluene	<0.5	<0.5	<2.5	<2.5	<2.5	<0.50	0.15	<0.10	<0.36	<1.8
trans-1,2-Dichloroethene	0.15	<0.5	<2.5	<2.5	<2.5	<1.8	<0.36	<0.36	<0.38	<2.2
trans-1,3-Dichloropropene	<0.5	<0.5	<2.5	<2.5	<2.5	<0.55	<0.11	<0.11	<0.36	<2.0
Trichloroethene	68	51	53	50	53	130	180	160	120	130
Trichlorofluoromethane	5.8	7	7.8	3.7	5.4	22	30	30	13	23
Vinyl Acetate			<50	<50	<50	<11	<2.2	<2.2	<0.92	<4.5
Vinyl Chloride	<0.5	<0.5	<2.5	<2.5	<2.5	<1.4	<0.27	<0.27	<0.54	<2.2
Xylenes (total)	<1	<1	<7.5	<7.5	<7.5	<2.0	<0.40	<0.40	<1.1	<5.6
xylenes(m,p)										
xylenes(o)										

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Historical Groundwater Analytical Data
Monitoring Well MW-05
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	10/23/01	2/12/02	6/4/02	9/27/02	12/3/02	3/11/03	6/10/03	9/17/03	12/19/03	3/22/04	6/17/04	9/14/04	12/13/04
1,1,1-Trichloroethane	23	668	58	2.2	1.7	500	790	900	6.9	23	6.6	2.8	4.3
1,1,2-Trichloro-2,2,2-Trifluoroethane	<5	<50	13	17	6.7	24	47	8.6	4.4	24	5.3	15	17
1,1,2-Trichloroethane	<5	<50	<3	<0.5	<0.5	1.0	1.8	2.1	<3	0.27	<0.5	0.28	<2.5
1,1-Dichloroethane	210	<50	680	100	67	340	940	340	120	110	52	400	490
1,1-Dichloroethene	87	758	100	56	83	290	1200	370	110	78	97	230	410
1,2,3-Trichloropropane	<5	<50	<5	<1	<1	<2	<1	<1	<5	<1	<1	<1	<2.5
1,2-Dibromo-3-Chloropropane (DBCP)	<5	<50	<5	<1	<1	<2	<1	<1	<3	<1	<1	<1	<10
1,2-Dibromoethane (EDB)	<5	<50	<3	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<5
1,2-Dichloroethane	21	<50	70	6.7	4.8	18	14	47	15	15	3.2	12	93
1,2-Dichloropropane	<5	<50	<3	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<2.5
1,4-Dichlorobenzene	<5	<50	<3	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<2.5
1,4-Dioxane (P-Dioxane)	<57	<570			<300	180	360	320	180	170	35	140	120
2-Chloroethyl Vinyl Ether	<5	<50											
4-Methyl-2-Pentanone	<10	<100											<50
Acetone	<100	<1000				15	<20	<20	<100	<20	<20	<20	<50
Benzene	4.5	11	17	4.0	2.0	4.0	13	7.9	2.9	3.2	0.67	6	6.4
Bromodichloromethane	<5	<50	<3	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<5
Bromoform	<5	<50	<3	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<5
Bromomethane	<5	<50	<5	<1	<1	<2	<1	<1	<5	<1	<1	<1	<5
Carbon Tetrachloride	<5	<50	<3	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<2.5
Chlorobenzene	<5	<50	<3	0.67	<0.5	0.63	2.6	0.7	<3	0.81	0.16	1.7	<2.5
Chloroethane	<5	<50	<3	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<0.5	1.6	<5
Chloroform	<5	<50	<3	0.87	0.88	0.86	1.4	2	0.62	1.1	0.96	1.3	3.1
Chloromethane	<5	<50	<3	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<5
cis-1,2-Dichloroethene	280	1430	320	93	110	440	1800	530	170	180	99	390	780
cis-1,3-Dichloropropene	<5	<50	<3	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<2.5
Dibromochloromethane	<5	<50	<3	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<5
Dibromomethane	<5	<50	<3	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<2.5
Dichlorodifluoromethane (Freon 12)	<5	<50	<3	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<5

MCK0066855

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well MW-05
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	10/23/01	2/12/02	6/4/02	9/27/02	12/3/02	3/11/03	6/10/03	9/17/03	12/19/03	3/22/04	6/17/04	9/14/04	12/13/04
Ethylbenzene	<5	<50	24	2.6	1.6	5.8	1.6	3.6	1.8	<0.5	<0.5	<0.5	<2.5
Methyl Ethyl Ketone (2-Butanone)	<100	<1000						<20	<100	<20	<20	<20	<50
Methylene Chloride	<5	<50	14	<1	<1	4.7	0.94	6.2	7.1	<1	0.17	0.21	<10
Styrene	<5	<50	<3	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<2.5
Tetrachloroethene	66	613	86	160	190	540	2000	140	320	52	220	140	200
Toluene	38	96	130	14	2.4	50	6.5	11	4.2	0.3	<0.5	<0.5	<2.5
trans-1,2-Dichloroethene	<5	<50	6.3	1.5	2.1	10	50	9.2	<3	2.2	0.43	3.5	2.7
trans-1,3-Dichloropropene	<5	<50	<3	<0.5	<0.5	<1	<0.5	<0.5	<3	<0.5	<0.5	<0.5	<2.5
Trichloroethene	30	216	44	54	67	190	560	49	77	99	55	89	170
Trichlorofluoromethane	<5	<50	<3	3.8	2.3	4.9	15	3.8	1.3	5.3	1.8	4.2	5.6
Vinyl Acetate	<50	<500											<50
Vinyl Chloride	330	1370	650	200	73	380	83	260	190	41	15	99	200
Xylenes (total)	6.8	<50	24	3.0	<1	12	13	4.1	<5	0.92	<1	0.94	<7.5

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

MCK0066856

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well MW-05
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/10/05	6/7/05	9/20/05	12/13/05	3/8/06	6/14/06	9/21/06
1,1,1-Trichloroethane	3600	1600	190	130	120	81	57
1,1,2-Trichloro-2,2,2-Trifluoroethane	15	45	<33	31	<6.5	26	<25
1,1,2-Trichloroethane	<5	<50	<5.0	<2.0	<1.0	<1.8	<20
1,1-Dichloroethane	430	770	850	530	760	800	680
1,1-Dichloroethene	1200	1300	720	690	570	440	400
1,2,3-Trichloropropane	<5	<50	<14	<5.4	<2.7	<2.4	<21
1,2-Dibromo-3-Chloropropane (DBCP)	<20	<200	<50	<20	<10	<7.6	<38
1,2-Dibromoethane (EDB)	<10	<100	<5.0	<2.0	<1.0	<2.1	<19
1,2-Dichloroethane	45	<50	<19	<7.6	4.6	4.3	<17
1,2-Dichloropropane	<5	<50	<20	<7.8	<3.9	<1.9	<20
1,4-Dichlorobenzene	<5	<50	<16	<6.2	<3.1	<1.7	<19
1,4-Dioxane (P-Dioxane)	50		120	110	460	270	180
2-Chloroethyl Vinyl Ether							
4-Methyl-2-Pentanone	<100	<1000	<80	<32	<16	<9.6	<75
Acetone	<100	300	<140	<56	<28	<18	140
Benzene	2.0	<50	32	18	22	27	25
Bromodichloromethane	<10	<100	<13	<5.2	<2.6	<1.9	<20
Bromoform	<10	<100	<43	<18	<8.6	<1.5	<21
Bromomethane	<10	<100	<18	<7.0	<3.5	<2.7	<31
Carbon Tetrachloride	<5	<50	<18	<7.2	<3.6	<2.9	<24
Chlorobenzene	<5	<50	7.0	4.8	5.1	3.9	<18
Chloroethane	<10	<100	<17	15	<3.3	32	120
Chloroform	2.7	<50	<18	<7.0	3.6	1.9	<20
Chloromethane	<10	<100	<15	<6.0	<3.0	<3.6	<20
cis-1,2-Dichloroethene	760	1300	2000	830	1700	1400	1400
cis-1,3-Dichloropropene	<5	<50	<13	<5.2	<2.6	<2.1	<17
Dibromochloromethane	<10	<100	<6.5	<2.6	<1.3	<2.3	<17
Dibromomethane	<5	<50	<15	<5.8	<2.9	<2.2	<20
Dichlorodifluoromethane (Freon 12)	<10	<100	<22	<8.6	<4.3	<3.7	<24

Historical Groundwater Analytical Data
Monitoring Well MW-05
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/10/05	6/7/05	9/20/05	12/13/05	3/8/06	6/14/06	9/21/06
Ethylbenzene	<5	<50	<11	<4.4	<2.2	<1.4	<21
Methyl Ethyl Ketone (2-Butanone)	<100	<1000	<85	<34	<17	<23	<85
Methylene Chloride	5.4	<200	<36	<15	<7.2	<2.2	<22
Styrene	<5	<50	<10	<4.0	<2.0	<1.4	<19
Tetrachloroethene	1900	2000	430	490	380	210	260
Toluene	<5	<50	<5.0	<2.0	<1.0	<1.8	<18
trans-1,2-Dichloroethene	4.8	<50	<18	<7.2	5.9	3.8	<22
trans-1,3-Dichloropropene	<5	<50	<5.5	<2.2	<1.1	<1.8	<20
Trichloroethene	530	420	130	110	120	65	64
Trichlorofluoromethane	13	<100	<24	10	9.1	<5.5	<30
Vinyl Acetate	<100	<1000	<110	<44	<22	<4.6	<45
Vinyl Chloride	19	<50	190	150	110	170	96
Xylenes (total)	<15	<150	21	<8.0	<4.0	<5.7	<56

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well MW-06
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/03	6/10/03	9/17/03	12/18/03	3/19/04	6/16/04	9/14/04	12/10/04	3/10/05	6/7/05	9/20/05	12/13/05	3/8/06	6/14/06	9/21/06
1,1,1-Trichloroethane	14	17	10	5.8	12	2.7	5	4.9	5.1	<10	2.1	3.5	3.1	<1.6	<4.6
1,1,2-Trichloro-2,2,2-Trifluoroethane	48	59	46	44	57	30	19	19	14	12	50	51	<3.3	29	22
1,1,2-Trichloroethane	1.0	2.7	1.5	<5	0.74	<3	<0.5	<2.5	<5	<10	<0.50	0.90	<0.50	<0.90	<4.0
1,1-Dichloroethane	620	1400	770	310	800	130	180	820	660	570	330	600	480	280	240
1,1-Dichloroethene	650	1200	640	440	420	260	260	430	640	270	240	270	290	200	190
1,2,3-Trichloropropane	<5	<1	<1	<10	<1	<3	<1	<2.5	<5	<10	<1.4	<1.4	<1.4	<1.2	<4.1
1,2-Dibromo-3-Chloropropane (DBCP)	<5	<1	<1	<10	<1	<5	<1	<10	<20	<40	<5.0	<5.0	<5.0	<3.8	<7.6
1,2-Dibromoethane (EDB)	<3	<0.5	<0.5	<5	<0.5	<3	<0.5	<5	<10	<20	<0.50	<0.50	<0.50	<1.1	<3.8
1,2-Dichloroethane	56	130	69	10	42	3.6	4.8	4.2	75	39	11	16	12	9.4	4.4
1,2-Dichloropropane	<3	<0.5	<0.5	<5	<0.5	<3	<0.5	<2.5	<5	<10	<2.0	<2.0	<2.0	<0.95	<4.0
1,4-Dichlorobenzene	<3	0.12	<0.5	<5	<0.5	<3	<0.5	<2.5	<5	<10	<1.6	<1.6	<1.6	<0.85	<3.7
1,4-Dioxane (P-Dioxane)	660	1500	490	89	160		110	70	110		130	280	590	240	82
4-Methyl-2-Pentanone		2.6						<50	<100	<200	<8.0	<8.0	<8.0	<4.8	<15
Acetone	<100	<20	<20	<200	<20	<100	<20	<50	<100	<200	<14	<14	<14	<9.0	27
Benzene	16	27	18	7.3	11	0.85	0.44	9.1	5.2	4.8	4.1	5.6	4.6	3.3	<4.2
Bromodichloromethane	<3	<0.5	<0.5	<5	<0.5	<3	<0.5	<5	<10	<20	<1.3	<1.3	<1.3	<0.95	<4.0
Bromoform	<3	<0.5	<0.5	<5	<0.5	<3	<0.5	<5	<10	<20	<4.3	<4.3	<4.3	<0.75	<4.1
Bromomethane	<5	<1	<1	<10	<1	<5	<1	<5	<10	<20	<1.8	<1.8	<1.8	<1.4	<6.1
Carbon Tetrachloride	<3	<0.5	<0.5	<5	<0.5	<3	<0.5	<2.5	<5	<10	<1.8	<1.8	<1.8	<1.5	<4.8
Chlorobenzene	4.5	9.3	5.6	<5	4.9	<3	0.44	2.2	2.7	4.6	1.7	3.3	2.7	1.4	<3.6
Chloroethane	<3	<0.5	<0.5	<5	<0.5	<3	<0.5	5.6	<10	<20	<1.7	<1.7	<1.7	<1.2	<4.6
Chloroform	3.3	4.6	3.3	1.9	3.3	1.1	1.5	1.7	3.3	<10	4.6	4.9	8.5	2.9	<4.0
Chloromethane	<3	<0.5	<0.5	<5	<0.5	<3	<0.5	<5	<10	<20	<1.5	<1.5	<1.5	<1.8	<4.0
cis-1,2-Dichloroethene	1300	2800	1500	620	1300	290	290	630	930	580	380	460	590	350	330
cis-1,3-Dichloropropene	<3	<0.5	<0.5	<5	<0.5	<3	<0.5	<2.5	<5	<10	<1.3	<1.3	<1.3	<1.1	<3.4
Dibromochloromethane	<3	<0.5	<0.5	<5	<0.5	<3	<0.5	<5	<10	<20	<0.65	<0.65	<0.65	<1.2	<3.3
Dibromomethane	<3	<0.5	<0.5	<5	<0.5	<3	<0.5	<2.5	<5	<10	<1.5	<1.5	<1.5	<1.1	<3.9
Dichlorodifluoromethane (Freon 12)	<3	<0.5	<0.5	<5	<0.5	<3	<0.5	<5	<10	<20	<2.2	<2.2	<2.2	<1.9	<4.8
Ethylbenzene	23	43	39	<5	3	<3	<0.5	<2.5	<5	10	<1.1	<1.1	<1.1	<0.70	<4.1

MCK0066859

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well MW-06
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/03	6/10/03	9/17/03	12/18/03	3/19/04	6/16/04	9/14/04	12/10/04	3/10/05	6/7/05	9/20/05`	12/13/05	3/8/06	6/14/06	9/21/06
Methyl Ethyl Ketone (2-Butanone)			<20	<200	<20	<100	<20	<50	<100	<200	<8.5	<8.5	<8.5	<12	<17
Methylene Chloride	9.6	0.48	0.47	<10	0.4	1.1	0.22	<10	<20	<40	<3.6	6.4	<3.6	<1.1	<4.3
Styrene	<3	<0.5	<0.5	<5	<0.5	<3	<0.5	<2.5	<5	<10	<1.0	<1.0	<1.0	<0.70	<3.7
Tetrachloroethene	460	550	360	300	320	390	210	190	350	210	160	170	180	150	120
Toluene	31	75	44	1.8	12	<3	<0.5	<2.5	2.2	12	1.2	4.4	1.3	<0.90	<3.6
trans-1,2-Dichloroethene	11	91	64	2.8	130	2.5	3.1	1.6	3.4	<10	<1.8	<1.8	2.3	1.2	<4.3
trans-1,3-Dichloropropene	<3	<0.5	<0.5	<5	<0.5	<3	<0.5	<2.5	<5	<10	<0.55	<0.55	<0.55	<0.90	<3.9
Trichloroethene	310	320	240	190	260	160	130	150	250	120	180	130	120	76	64
Trichlorofluoromethane	14	16	10	10	22	7.5	6.6	5.6	5.7	<20	18	11	6.5	4.0	<6.0
Vinyl Acetate								<50	<100	<200	<11	<11	<11	<2.3	<9.0
Vinyl Chloride	390	810	520	77	370	6.9	12	53	98	170	60	220	83	42	33
Xylenes (total)	30	60	39	<10	7.3	<5	<1	<7.5	<15	24	<2.0	2.5	<2.0	<2.9	<11

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well MW-07
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/03	6/10/03	9/17/03	12/18/03	3/19/04	6/15/04	9/14/04	12/10/04	3/10/05	6/7/05	9/20/05	12/13/05	3/8/06	6/14/06	9/21/06
1,1,1-Trichloroethane	2.4	1.4	2.4	<5		<0.5	0.58	<2.5	<2.5	<2.5	<1.2	0.60	1.5	0.71	<2.3
1,1,2-Trichloro-2,2,2-Trifluoroethane	12	10	14	13		<0.5	8.1	20	4.2	5.0	19	64	31	14	9.1
1,1,2-Trichloroethane	0.21	<0.5	<0.5	<5		<0.5	<0.5	<2.5	<2.5	<2.5	<0.50	<0.10	<0.10	<0.18	<2.0
1,1-Dichloroethane	94	98	120	110		3.3	38	97	65	53	49	51	14	62	60
1,1-Dichloroethene	130	110	160	140		4.3	60	160	81	49	47	81	39	63	49
1,2,3-Trichloropropane	<1	<1	<1	<10		<1	<1	<2.5	<2.5	<2.5	<1.4	<0.27	<0.27	<0.24	<2.1
1,2-Dibromo-3-Chloropropane (DBCP)	<1	<1	<1	<10		<1	<1	<10	<10	<10	<5.0	<1.0	<1.0	<0.76	<3.8
1,2-Dibromoethane (EDB)	<0.5	<0.5	<0.5	<5		<0.5	<0.5	<5	<5	<5	<0.50	<0.10	<0.10	<0.21	<1.9
1,2-Dichloroethane	14	7.4	12	5.6		1.3	1.9	2.6	6.2	2.2	<1.9	1.5	1.1	2.7	2.8
1,2-Dichloropropane	<0.5	<0.5	<0.5	<5		<0.5	<0.5	<2.5	<2.5	<2.5	<2.0	<0.39	<0.39	<0.19	<2.0
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	<5		<0.5	<0.5	<2.5	<2.5	<2.5	<1.6	<0.31	<0.31	<0.17	<1.9
1,4-Dioxane (P-Dioxane)	<300	<300	43	30			20	14	4.4		4.2	7.9	9.6	7.5	8.0
4-Methyl-2-Pentanone								<50	<50	<50	<8.0	<1.6	<1.6	<0.96	<7.5
Acetone	81	<20	<20	<200		<20	<20	<50	<50	13	<14	<2.8	<2.8	<1.8	12
Benzene	3.1	1.6	2.6	2.2		<0.5	0.31	0.95	1.3	<2.5	<1.9	0.47	<0.38	0.82	<2.1
Bromodichloromethane	<0.5	<0.5	<0.5	<5		<0.5	<0.5	<5	<5	<5	<1.3	<0.26	<0.26	<0.19	<2.0
Bromoform	<0.5	<0.5	<0.5	<5		<0.5	<0.5	<5	<5	<5	<4.3	<0.86	<0.86	<0.15	<2.1
Bromomethane	<1	<1	<1	<10		<1	<1	<5	<5	<5	<1.8	<0.35	<0.35	<0.27	<3.1
Carbon Tetrachloride	<0.5	<0.5	<0.5	<5		<0.5	<0.5	<2.5	<2.5	<2.5	<1.8	<0.36	<0.36	<0.29	<2.4
Chlorobenzene	0.58	0.34	0.46	<5		<0.5	0.13	<2.5	<2.5	<2.5	<0.50	0.13	<0.10	0.17	<1.8
Chloroethane	<0.5	<0.5	<0.5	<5		<0.5	<0.5	<5	<5	<5	<1.7	<0.33	<0.33	<0.23	<2.3
Chloroform	0.85	0.57	0.97	0.93		0.28	0.6	<2.5	1.1	<2.5	<1.8	2.9	3.7	4.0	<2.0
Chloromethane	<0.5	<0.5	<0.5	<5		<0.5	<0.5	<5	<5	<5	<1.5	<0.30	<0.30	<0.36	<2.0
cis-1,2-Dichloroethene	210	190	250	250		20	87	220	110	93	77	85	29	100	92
cis-1,3-Dichloropropene	<0.5	<0.5	<0.5	<5		<0.5	<0.5	<2.5	<2.5	<2.5	<1.3	<0.26	<0.26	<0.21	<1.7
Dibromochloromethane	<0.5	<0.5	<0.5	<5		<0.5	<0.5	<5	<5	<5	<0.65	<0.13	<0.13	<0.23	<1.7
Dibromomethane	<0.5	<0.5	<0.5	<5		<0.5	<0.5	<2.5	<2.5	<2.5	<1.5	<0.29	<0.29	<0.22	<2.0
Dichlorodifluoromethane (Freon 12)	<0.5	<0.5	<0.5	<5		<0.5	<0.5	<5	<5	<5	<2.2	<0.43	<0.43	<0.37	<2.4
Ethylbenzene	0.46	<0.5	<0.5	<5		<0.5	<0.5	<2.5	<2.5	<2.5	<1.1	<0.22	<0.22	<0.14	<2.1

MCK006861

Historical Groundwater Analytical Data
Monitoring Well MW-07
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/03	6/10/03	9/17/03	12/18/03	3/19/04	6/15/04	9/14/04	12/10/04	3/10/05	6/7/05	9/20/05	12/13/05	3/8/06	6/14/06	9/21/06
Methyl Ethyl Ketone (2-Butanone)			<20	<200		<20	<20	<50	<50	<50	<8.5	<1.7	<1.7	<2.3	<8.5
Methylene Chloride	<1	<1	0.18	<10		<1	<1	<10	<10	<10	<3.6	<0.72	0.81	<0.22	<2.2
Styrene	<0.5	<0.5	<0.5	<5		<0.5	<0.5	<2.5	<2.5	<2.5	<1.0	<0.20	<0.20	<0.14	<1.9
Tetrachloroethene	220	250	300	280		110	220	230	190	130	110	130	170	170	140
Toluene	0.28	<0.5	0.11	<5		<0.5	<0.5	<2.5	<2.5	<2.5	<0.50	<0.10	<0.10	<0.18	<1.8
trans-1,2-Dichloroethene	3.3	3.7	4.3	1.6		<0.5	0.66	<2.5	<2.5	<2.5	<1.8	0.40	<0.36	0.75	<2.2
trans-1,3-Dichloropropene	<0.5	<0.5	<0.5	<5		<0.5	<0.5	<2.5	<2.5	<2.5	<0.55	<0.11	<0.11	<0.18	<2.0
Trichloroethene	86	73	100	90		31	52	77	48	33	61	170	81	64	43
Trichlorofluoromethane	2.4	1.8	2.4	1.9		<0.5	1.5	3.4	<5	<5	6.3	23	9.7	3.3	<3.0
Vinyl Acetate								<50	<50	<50	<11	<2.2	<2.2	<0.46	<4.5
Vinyl Chloride	12	7.0	10	7.8		<0.5	2.3	15	22	6.6	4.4	2.9	1.2	5.5	4.1
Xylenes (total)	1.3	<1	0.34	<10		<1	<1	<7.5	<7.5	<7.5	<2.0	<0.40	<0.40	<0.57	<5.6

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Historical Groundwater Analytical Data
Monitoring Well MW-08s
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/9/06	6/15/06	9/21/06
1,1,1-Trichloroethane	1.5	<0.31	NS
1,1,2-Trichloro-2,2,2-Trifluoroethane	<0.65	<0.42	NS
1,1,2-Trichloroethane	<0.10	<0.18	NS
1,1-Dichloroethane	0.70	12	NS
1,1-Dichloroethene	<0.36	<0.31	NS
1,2,3-Trichloropropane	<0.27	<0.24	NS
1,2-Dibromo-3-Chloropropane (DBCP)	<1.0	<0.76	NS
1,2-Dibromoethane (EDB)	<0.10	<0.21	NS
1,2-Dichloroethane	<0.38	<0.21	NS
1,2-Dichloropropane	<0.39	<0.19	NS
1,4-Dichlorobenzene	<0.31	<0.17	NS
1,4-Dioxane (P-Dioxane)	1.5	20	NS
4-Methyl-2-Pentanone	<1.6	<0.96	NS
Acetone	3.7	5.5	NS
Benzene	<0.38	0.53	NS
Bromodichloromethane	<0.26	<0.19	NS
Bromoform	<0.86	<0.15	NS
Bromomethane	<0.35	<0.27	NS
Carbon Tetrachloride	<0.36	<0.29	NS
Chlorobenzene	<0.10	<0.17	NS
Chloroethane	<0.33	2.2	NS
Chloroform	<0.35	<0.16	NS
Chloromethane	<0.30	<0.36	NS
cis-1,2-Dichloroethene	<0.42	0.34	NS
cis-1,3-Dichloropropene	<0.26	<0.21	NS
Dibromochloromethane	<0.13	<0.23	NS
Dibromomethane	<0.29	<0.22	NS
Dichlorodifluoromethane (Freon 12)	<0.43	<0.37	NS
Ethylbenzene	0.24	<0.14	NS

Historical Groundwater Analytical Data
Monitoring Well MW-08s
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/9/06	6/15/06	9/21/06
Methyl Ethyl Ketone (2-Butanone)	<1.7	<2.3	NS
Methylene Chloride	1.3	<0.22	NS
Styrene	<0.20	<0.14	NS
Tetrachloroethene	1.6	1.1	NS
Toluene	0.97	0.29	NS
trans-1,2-Dichloroethene	<0.36	<0.19	NS
trans-1,3-Dichloropropene	<0.11	<0.18	NS
Trichloroethene	<0.36	0.67	NS
Trichlorofluoromethane	<0.47	<0.55	NS
Vinyl Acetate	<2.2	<0.46	NS
Vinyl Chloride	<0.27	6.2	NS
Xylenes (total)	1.3	<0.57	NS

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Historical Groundwater Analytical Data
Monitoring Well MW-09s
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/05	6/6/05	9/19/05	12/12/05	3/7/06	6/15/06	9/20/06
1,1,1-Trichloroethane	5.1	DRY	DRY	DRY	DRY	DRY	DRY
1,1,2-Trichloro-2,2,2-Trifluoroethane	<4	DRY	DRY	DRY	DRY	DRY	DRY
1,1,2-Trichloroethane	<1	DRY	DRY	DRY	DRY	DRY	DRY
1,1-Dichloroethane	79	DRY	DRY	DRY	DRY	DRY	DRY
1,1-Dichloroethene	10	DRY	DRY	DRY	DRY	DRY	DRY
1,2,3-Trichloropropane	<1	DRY	DRY	DRY	DRY	DRY	DRY
1,2-Dibromo-3-Chloropropane (DBCP)	<4	DRY	DRY	DRY	DRY	DRY	DRY
1,2-Dibromoethane (EDB)	<2	DRY	DRY	DRY	DRY	DRY	DRY
1,2-Dichloroethane	<1	DRY	DRY	DRY	DRY	DRY	DRY
1,2-Dichloropropane	<1	DRY	DRY	DRY	DRY	DRY	DRY
1,4-Dichlorobenzene	<1	DRY	DRY	DRY	DRY	DRY	DRY
1,4-Dioxane (P-Dioxane)	<9.5	DRY	DRY	DRY	DRY	DRY	DRY
4-Methyl-2-Pentanone	<20	DRY	DRY	DRY	DRY	DRY	DRY
Acetone	<20	DRY	DRY	DRY	DRY	DRY	DRY
Benzene	<1	DRY	DRY	DRY	DRY	DRY	DRY
Bromodichloromethane	<2	DRY	DRY	DRY	DRY	DRY	DRY
Bromoform	<2	DRY	DRY	DRY	DRY	DRY	DRY
Bromomethane	<2	DRY	DRY	DRY	DRY	DRY	DRY
Carbon Tetrachloride	<1	DRY	DRY	DRY	DRY	DRY	DRY
Chlorobenzene	<1	DRY	DRY	DRY	DRY	DRY	DRY
Chloroethane	2.3	DRY	DRY	DRY	DRY	DRY	DRY
Chloroform	<1	DRY	DRY	DRY	DRY	DRY	DRY
Chloromethane	<2	DRY	DRY	DRY	DRY	DRY	DRY
cis-1,2-Dichloroethene	67	DRY	DRY	DRY	DRY	DRY	DRY
cis-1,3-Dichloropropene	<1	DRY	DRY	DRY	DRY	DRY	DRY
Dibromochloromethane	<2	DRY	DRY	DRY	DRY	DRY	DRY
Dibromomethane	<1	DRY	DRY	DRY	DRY	DRY	DRY
Dichlorodifluoromethane (Freon 12)	<2	DRY	DRY	DRY	DRY	DRY	DRY
Ethylbenzene	<1	DRY	DRY	DRY	DRY	DRY	DRY

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Historical Groundwater Analytical Data
Monitoring Well MW-09s
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/05	6/6/05	9/19/05	12/12/05	3/7/06	6/15/06	9/20/06
Methyl Ethyl Ketone (2-Butanone)	<20	DRY	DRY	DRY	DRY	DRY	DRY
Methylene Chloride	<4	DRY	DRY	DRY	DRY	DRY	DRY
Styrene	<1	DRY	DRY	DRY	DRY	DRY	DRY
Tetrachloroethene	26	DRY	DRY	DRY	DRY	DRY	DRY
Toluene	<1	DRY	DRY	DRY	DRY	DRY	DRY
trans-1,2-Dichloroethene	0.66	DRY	DRY	DRY	DRY	DRY	DRY
trans-1,3-Dichloropropene	<1	DRY	DRY	DRY	DRY	DRY	DRY
Trichloroethene	16	DRY	DRY	DRY	DRY	DRY	DRY
Trichlorofluoromethane	<2	DRY	DRY	DRY	DRY	DRY	DRY
Vinyl Acetate	<20	DRY	DRY	DRY	DRY	DRY	DRY
Vinyl Chloride	<1	DRY	DRY	DRY	DRY	DRY	DRY
Xylenes (total)	<3	DRY	DRY	DRY	DRY	DRY	DRY

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well MW-10s
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/13/04	3/10/05	6/9/05	9/19/05	12/12/05	3/9/06	6/15/06	9/20/06
1,1,1-Trichloroethane	180	3.5	NS	DRY	DRY	4.3	58	DRY
1,1,2-Trichloro-2,2,2-Trifluoroethane	<200	<10	NS	DRY	DRY	<3.3	<2.1	DRY
1,1,2-Trichloroethane	<50	<2.5	NS	DRY	DRY	<0.50	<0.90	DRY
1,1-Dichloroethane	1200	250	NS	DRY	DRY	630	340	DRY
1,1-Dichloroethene	66	6.8	NS	DRY	DRY	13	13	DRY
1,2,3-Trichloropropane	<50	<2.5	NS	DRY	DRY	<1.4	<1.2	DRY
1,2-Dibromo-3-Chloropropane (DBCP)	<200	<10	NS	DRY	DRY	<5.0	<3.8	DRY
1,2-Dibromoethane (EDB)	<100	<5	NS	DRY	DRY	<0.50	<1.1	DRY
1,2-Dichloroethane	<50	<2.5	NS	DRY	DRY	<1.9	1.5	DRY
1,2-Dichloropropane	<50	<2.5	NS	DRY	DRY	<2.0	<0.95	DRY
1,4-Dichlorobenzene	<50	<2.5	NS	DRY	DRY	<1.6	<0.85	DRY
1,4-Dioxane (P-Dioxane)	15	1.9	NS	DRY	DRY	5.9	3.9	DRY
4-Methyl-2-Pentanone	<1000	<50	NS	DRY	DRY	<8.0	<4.8	DRY
Acetone	<1000	9.6	NS	DRY	DRY	<14	<9.0	DRY
Benzene	<50	<2.5	NS	DRY	DRY	<1.9	<0.90	DRY
Bromodichloromethane	<100	<5	NS	DRY	DRY	<1.3	<0.95	DRY
Bromoform	<100	<5	NS	DRY	DRY	<4.3	<0.75	DRY
Bromomethane	<100	<5	NS	DRY	DRY	<1.8	<1.4	DRY
Carbon Tetrachloride	<50	<2.5	NS	DRY	DRY	<1.8	<1.5	DRY
Chlorobenzene	<50	<2.5	NS	DRY	DRY	1.3	<0.85	DRY
Chloroethane	<100	<5	NS	DRY	DRY	2.6	<1.2	DRY
Chloroform	<50	<2.5	NS	DRY	DRY	<1.8	<0.80	DRY
Chloromethane	<100	<5	NS	DRY	DRY	<1.5	<1.8	DRY
cis-1,2-Dichloroethene	2200	260	NS	DRY	DRY	600	300	DRY
cis-1,3-Dichloropropene	<50	<2.5	NS	DRY	DRY	<1.3	<1.1	DRY
Dibromochloromethane	<100	<5	NS	DRY	DRY	<0.65	<1.2	DRY
Dibromomethane	<50	<2.5	NS	DRY	DRY	<1.5	<1.1	DRY
Dichlorodifluoromethane (Freon 12)	<100	<5	NS	DRY	DRY	<2.2	<1.9	DRY
Ethylbenzene	<50	<2.5	NS	DRY	DRY	<1.1	<0.70	DRY

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Historical Groundwater Analytical Data
Monitoring Well MW-10s
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/13/04	3/10/05	6/9/05	9/19/05	12/12/05	3/9/06	6/15/06	9/20/06
Methyl Ethyl Ketone (2-Butanone)	<1000	<50	NS	DRY	DRY	<8.5	<12	DRY
Methylene Chloride	<200	2.8	NS	DRY	DRY	<3.6	1.6	DRY
Styrene	<50	<2.5	NS	DRY	DRY	<1.0	<0.70	DRY
Tetrachloroethene	160	9.6	NS	DRY	DRY	11	27	DRY
Toluene	<50	<2.5	NS	DRY	DRY	<0.50	<0.90	DRY
trans-1,2-Dichloroethene	<50	<2.5	NS	DRY	DRY	<1.8	<0.95	DRY
trans-1,3-Dichloropropene	<50	<2.5	NS	DRY	DRY	<0.55	<0.90	DRY
Trichloroethene	25	2.9	NS	DRY	DRY	3.8	4.7	DRY
Trichlorofluoromethane	<100	<5	NS	DRY	DRY	<2.4	<2.8	DRY
Vinyl Acetate	<1000	<50	NS	DRY	DRY	<11	<2.3	DRY
Vinyl Chloride	<50	<2.5	NS	DRY	DRY	2.5	<1.4	DRY
Xylenes (total)	<150	<7.5	NS	DRY	DRY	<2.0	<2.9	DRY

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Vapor Extraction Well MW-11s
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/9/06	6/15/06
1,1,1-Trichloroethane	440000	NS
1,1,2-Trichloro-2,2,2-Trifluoroethane	<330	NS
1,1,2-Trichloroethane	730	NS
1,1-Dichloroethane	1400	NS
1,1-Dichloroethene	22000	NS
1,2,3-Trichloropropane	<140	NS
1,2-Dibromo-3-Chloropropane (DBCP)	<500	NS
1,2-Dibromoethane (EDB)	<50	NS
1,2-Dichloroethane	10000	NS
1,2-Dichloropropane	<200	NS
1,4-Dichlorobenzene	<160	NS
1,4-Dioxane (P-Dioxane)	31000	NS
4-Methyl-2-Pentanone	11000	NS
Acetone	240000	NS
Benzene	260	NS
Bromodichloromethane	<130	NS
Bromoform	<430	NS
Bromomethane	<180	NS
Carbon Tetrachloride	<180	NS
Chlorobenzene	<50	NS
Chloroethane	<170	NS
Chloroform	350	NS
Chloromethane	<150	NS
cis-1,2-Dichloroethene	960	NS
cis-1,3-Dichloropropene	<130	NS
Dibromochloromethane	<65	NS
Dibromomethane	<150	NS
Dichlorodifluoromethane (Freon 12)	<220	NS
Ethylbenzene	310	NS

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Historical Groundwater Analytical Data
Vapor Extraction Well MW-11s
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/9/06	6/15/06
Methyl Ethyl Ketone (2-Butanone)	31000	NS
Methylene Chloride	430000	NS
Styrene	<100	NS
Tetrachloroethene	91000	NS
Toluene	18000	NS
trans-1,2-Dichloroethene	<180	NS
trans-1,3-Dichloropropene	<55	NS
Trichloroethene	39000	NS
Trichlorofluoromethane	<240	NS
Vinyl Acetate	<1100	NS
Vinyl Chloride	<140	NS
Xylenes (total)	1200	NS

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

MW-11s converted to vapor extraction well on 11 September 2006.

Historical Groundwater Analytical Data
Monitoring Well MW-12s
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/05	6/6/05	9/19/05	12/12/05	3/9/06	6/15/06	9/20/06
1,1,1-Trichloroethane	15	DRY	DRY	DRY	0.43	NS	NS
1,1,2-Trichloro-2,2,2-Trifluoroethane	0.77	DRY	DRY	DRY	<0.65	NS	NS
1,1,2-Trichloroethane	<0.5	DRY	DRY	DRY	0.35	NS	NS
1,1-Dichloroethane	13	DRY	DRY	DRY	11	NS	NS
1,1-Dichloroethene	24	DRY	DRY	DRY	18	NS	NS
1,2,3-Trichloropropane	<0.5	DRY	DRY	DRY	<0.27	NS	NS
1,2-Dibromo-3-Chloropropane (DBCP)	<2	DRY	DRY	DRY	<1.0	NS	NS
1,2-Dibromoethane (EDB)	<1	DRY	DRY	DRY	<0.10	NS	NS
1,2-Dichloroethane	5.5	DRY	DRY	DRY	7.8	NS	NS
1,2-Dichloropropane	<0.5	DRY	DRY	DRY	<0.39	NS	NS
1,4-Dichlorobenzene	<0.5	DRY	DRY	DRY	<0.31	NS	NS
1,4-Dioxane (P-Dioxane)	110	DRY	DRY	DRY	8.3	NS	NS
4-Methyl-2-Pentanone	<10	DRY	DRY	DRY	<1.6	NS	NS
Acetone	2.3	DRY	DRY	DRY	<2.8	NS	NS
Benzene	<0.5	DRY	DRY	DRY	<0.38	NS	NS
Bromodichloromethane	<1	DRY	DRY	DRY	<0.26	NS	NS
Bromoform	<1	DRY	DRY	DRY	<0.86	NS	NS
Bromomethane	<1	DRY	DRY	DRY	<0.35	NS	NS
Carbon Tetrachloride	<0.5	DRY	DRY	DRY	<0.36	NS	NS
Chlorobenzene	<0.5	DRY	DRY	DRY	<0.10	NS	NS
Chloroethane	<1	DRY	DRY	DRY	<0.33	NS	NS
Chloroform	0.91	DRY	DRY	DRY	0.64	NS	NS
Chloromethane	<1	DRY	DRY	DRY	<0.30	NS	NS
cis-1,2-Dichloroethene	18	DRY	DRY	DRY	8.9	NS	NS
cis-1,3-Dichloropropene	<0.5	DRY	DRY	DRY	<0.26	NS	NS
Dibromochloromethane	<1	DRY	DRY	DRY	<0.13	NS	NS
Dibromomethane	<0.5	DRY	DRY	DRY	<0.29	NS	NS
Dichlorodifluoromethane (Freon 12)	<1	DRY	DRY	DRY	<0.43	NS	NS
Ethylbenzene	<0.5	DRY	DRY	DRY	<0.22	NS	NS

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Historical Groundwater Analytical Data
Monitoring Well MW-12s
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/05	6/6/05	9/19/05	12/12/05	3/9/06	6/15/06	9/20/06
Methyl Ethyl Ketone (2-Butanone)	<10	DRY	DRY	DRY	<1.7	NS	NS
Methylene Chloride	1.2	DRY	DRY	DRY	<0.72	NS	NS
Styrene	<0.5	DRY	DRY	DRY	<0.20	NS	NS
Tetrachloroethene	70	DRY	DRY	DRY	32	NS	NS
Toluene	0.40	DRY	DRY	DRY	<0.10	NS	NS
trans-1,2-Dichloroethene	0.29	DRY	DRY	DRY	<0.36	NS	NS
trans-1,3-Dichloropropene	<0.5	DRY	DRY	DRY	<0.11	NS	NS
Trichloroethene	28	DRY	DRY	DRY	25	NS	NS
Trichlorofluoromethane	0.53	DRY	DRY	DRY	<0.47	NS	NS
Vinyl Acetate	<10	DRY	DRY	DRY	<2.2	NS	NS
Vinyl Chloride	<0.5	DRY	DRY	DRY	<0.27	NS	NS
Xylenes (total)	<1.5	DRY	DRY	DRY	<0.40	NS	NS

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-04
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/3/90	10/24/90	2/11/91	2/2/94	6/28/95	9/1/95	2/2/99	9/20/00	10/24/01	2/13/02	6/4/02	9/27/02	12/3/02	3/11/03
1,1,1-Trichloroethane	2700	2000	150	759	<5	410	60	174	10	<5	1	7.1	4.0	6.0
1,1,2-Trichloro-2,2,2-Trifluoroethane		600			8	25	44	13	<5	<5	<1	17	11	14
1,1,2-Trichloroethane	<20	<50	<5		<5	<10	<5	10	<5	<5	<1	<0.5	<0.5	<0.5
1,1-Dichloroethane	460	400	25	80	<5	69	340	637	31	12	14	100	85	110
1,1-Dichloroethene	6200	5700	550	966	<5	370	240	332	24	5.9	2.8	100	98	120
1,2,3-Trichloropropane					<5		<5	<5	<5	<5	<2	<1	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)					<100	<50	<5	<5	<5	<5	<2	<1	<1	<1
1,2-Dibromoethane (EDB)					<5		2.1 (Tr)	<5	<5	<5	<1	<0.5	<0.5	<0.5
1,2-Dichloroethane	<20	<50	<5	5	<5	<10	<5	9.6	<5	<5	<1	0.82	<0.5	1.1
1,2-Dichloroethene, Total	2500	1300												
1,2-Dichloropropane	<20	<50	<5		<5	<10	<5	<5	<5	<5	<1	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	<10					<50	<5	<5	<5	<5	<1	<0.5	<0.5	<0.5
1,4-Dioxane (P-Dioxane)						<50	140 (Tr)	<57	<57	<57			<300	<300
2-Chloroethyl Vinyl Ether					<10	<10	<5	<5	<5	<5				
4-Methyl-2-Pentanone	<200	<500	<50	<50		25	<10	<10	<10	<10				
Acetone	<400	<1000	<100	<100	<100	580	<100	<100	<100	<100				<20
Benzene	13	120	10	6	<5	<10	3.1 (Tr)	7.7	<1	<1	<1	2.6	2.1	2.8
Bromodichloromethane	<20	<50	<5		<5	<10	<5	<5	<5	<5	<1	<0.5	<0.5	<0.5
Bromoform	<100	<250	<25		<5	<10	<5	<5	<5	<5	<1	<0.5	<0.5	<0.5
Bromomethane									<5	<5	<2	<1	<1	<1
Carbon Tetrachloride	<20	<50	<5		<5	<25	<5	<5	<5	<5	<1	<0.5	<0.5	<0.5
Chlorobenzene	<20	<50	<5	<5	<5	<10	<5	<5	<5	<5	<1	<0.5	<0.5	0.60
Chloroethane	<20	<50	<5		<10	<25	<5	<5	<5	<5	<1	<0.5	<0.5	<0.5
Chloroform	34	<50	<5	<5	<5	<10	<5	<5	<5	<5	<1	<0.5	<0.5	<0.5
Chloromethane									<5	<5	<1	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene			110	360	<5	330	440	1920	103	61	76	270	260	250
cis-1,3-Dichloropropene	<20	<50	<5		<5	<10	<5	<5	<5	<5	<1	<0.5	<0.5	<0.5
Dibromochloromethane	<20	<50	<5	<5	<5	<10	<5	<5	<5	<5	<1	<0.5	<0.5	<0.5
Dibromomethane					<5		<5	<5	<5	<5	<1	<0.5	<0.5	<0.5

Historical Groundwater Analytical Data
Monitoring Well SB-04
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/3/90	10/24/90	2/11/91	2/2/94	6/28/95	9/1/95	2/2/99	9/20/00	10/24/01	2/13/02	6/4/02	9/27/02	12/3/02	3/11/03
Dichlorodifluoromethane (Freon 12)					<5		<5	<5	<5	<5	<1	<0.5	<0.5	0.78
Ethylbenzene	<20	<50	<5	<5	<5	<10	3.7 (Tr)	<5	<5	<5	<1	<0.5	<0.5	<0.5
Methyl Ethyl Ketone (2-Butanone)	<400	<1000	<100	<100	<100	<50	<100	<100	<100	<100				
Methylacryonitrile					<100		<35							
Methylene Chloride	1400	640	<25	54	<5	89	<5	<5	34	<5	3.2	<1	<1	<1
Styrene	<20	<50	<5		<5	<10	<5	<5	<5	<5	<1	<0.5	<0.5	<0.5
Tetrachloroethene	4100	4300	410	662	<5	400	190	261	86	11	7.5	99	95	100
Toluene	93	<100	<10	<5	<5	<10	7.9	5.6	<5	<5	<1	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene			<5	<5	<5	<10	<5	5.9	<5	<5	<1	6.0	4.6	4.2
trans-1,3-Dichloropropene	<20	<50	<5		<5	<10	<5	<5	<5	<5	<1	<0.5	<0.5	<0.5
Trichloroethene	4300	4200	400	609	<5	180	150	202	37	3.1 (Tr)	7.8	59	51	94
Trichlorofluoromethane	200	80	25	53	<5	<25	12	<5	<5	<5	<1	0.99	1.6	2.6
Vinyl Acetate	<200	<500	<50		<50	<25	<50	<50	<50	<50				
Vinyl Chloride	<20	<50	<5	12	<10	<25	18	<5	11	7.9	7.9	38	27	43
Xylenes (total)	77	52	<5	<5	<5	<10	13	<5	<5	<5	<2	<1	<1	<1
xylenes(m,p)							2.5 (Tr)	<5						
xylenes(o)							10.5	<5						

Historical Groundwater Analytical Data
Monitoring Well SB-04
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	6/10/03	9/17/03	12/18/03	3/19/04	6/15/04	9/14/04	12/10/04	3/10/05	6/7/05	9/20/05	12/13/05	3/8/06	6/14/06	9/21/06
1,1,1-Trichloroethane	3.3	3.7	1.5	0.49	3.9	0.41	<2.5	1.9	<2.5	<1.2	2.2	4.7	3.2	<2.3
1,1,2-Trichloro-2,2,2-Trifluoroethane	13	22	8.1	1.7	51	2.9	3.5	8.0	39	48	82	16	35	14
1,1,2-Trichloroethane	<0.5	1.6	<5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<0.50	<0.10	<0.10	<0.90	<2.0
1,1-Dichloroethane	230	160	100	19	770	9.6	1.9	120	50	54	77	110	56	64
1,1-Dichloroethene	110	110	96	37	860	27	19	96	33	39	66	61	38	29
1,2,3-Trichloropropane	<1	<1	<10	<1	<1	<1	<2.5	<2.5	<2.5	<1.4	<0.27	<0.27	<1.2	<2.1
1,2-Dibromo-3-Chloropropane (DBCP)	<1	<1	<10	<1	<1	<1	<10	<10	<10	<5.0	<1.0	<1.0	<3.8	<3.8
1,2-Dibromoethane (EDB)	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<5	<5	<0.50	<0.10	<0.10	<1.1	<1.9
1,2-Dichloroethane	1.5	1.6	1.5	1.4	4.9	0.7	<2.5	2.0	<2.5	<1.9	0.90	1.5	<1.1	<1.7
1,2-Dichloroethene, Total														
1,2-Dichloropropane	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<2.0	<0.39	<0.39	<0.95	<2.0
1,4-Dichlorobenzene	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.6	<0.31	<0.31	<0.85	<1.9
1,4-Dioxane (P-Dioxane)	<300	33	32	13		10	1.2	6.6		3.5	19	17	4.5	6.4
2-Chloroethyl Vinyl Ether														
4-Methyl-2-Pentanone							<50	<50	<50	<8.0	<1.6	<1.6	<4.8	<7.5
Acetone	<20	<20	<200	<20	<20	<20	<50	<50	12	<14	<2.8	<2.8	<9.0	<11
Benzene	2.7	2.8	2.0	0.41	24	0.2	<2.5	1.5	<2.5	<1.9	0.60	0.93	<0.90	<2.1
Bromodichloromethane	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<5	<5	<1.3	<0.26	<0.26	<0.95	<2.0
Bromoform	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<5	<5	<4.3	<0.86	<0.86	<0.75	<2.1
Bromomethane	<1	<1	<10	<1	<1	<1	<5	<5	<5	<1.8	<0.35	<0.35	<1.4	<3.1
Carbon Tetrachloride	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.8	<0.36	<0.36	<1.5	<2.4
Chlorobenzene	0.65	0.63	<5	<0.5	4.1	<0.5	<2.5	<2.5	<2.5	<0.50	0.14	0.26	<0.85	<1.8
Chloroethane	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<5	<5	<1.7	<0.33	<0.33	<1.2	<2.3
Chloroform	0.53	0.7	<5	0.43	1.1	0.58	<2.5	<2.5	2.1	2.9	3.8	4.6	3.7	2.8
Chloromethane	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<5	<5	<1.5	<0.30	<0.30	<1.8	<2.0
cis-1,2-Dichloroethene	330	280	230	56	1500	35	10	230	100	71	120	190	110	81
cis-1,3-Dichloropropene	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.3	<0.26	<0.26	<1.1	<1.7
Dibromochloromethane	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<5	<5	<0.65	<0.13	<0.13	<1.2	<1.7
Dibromomethane	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.5	<0.29	<0.29	<1.1	<2.0

Historical Groundwater Analytical Data
Monitoring Well SB-04
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	6/10/03	9/17/03	12/18/03	3/19/04	6/15/04	9/14/04	12/10/04	3/10/05	6/7/05	9/20/05	12/13/05	3/8/06	6/14/06	9/21/06
Dichlorodifluoromethane (Freon 12)	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<5	<5	<5	<2.2	<0.43	<0.43	<1.9	<2.4
Ethylbenzene	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.1	<0.22	<0.22	<0.70	<2.1
Methyl Ethyl Ketone (2-Butanone)		<20	<200	<20	<20	<20	<50	<50	<50	<8.5	<1.7	<1.7	<12	<8.5
Methylacryonitrile														
Methylene Chloride	<1	0.18	<10	<1	<1	<1	<10	<10	<10	<3.6	<0.72	0.88	<1.1	<2.2
Styrene	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<1.0	<0.20	<0.20	<0.70	<1.9
Tetrachloroethene	280	220	260	270	260	210	170	240	110	100	160	180	140	120
Toluene	0.17	0.1	<5	<0.5	0.34	<0.5	<2.5	<2.5	<2.5	<0.50	0.53	<0.10	<0.90	<1.8
trans-1,2-Dichloroethene	4.6	4.4	<5	0.24	12	0.31	<2.5	<2.5	<2.5	<1.8	0.60	0.76	<0.95	<2.2
trans-1,3-Dichloropropene	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<2.5	<2.5	<2.5	<0.55	<0.11	<0.11	<0.90	<2.0
Trichloroethene	110	110	86	62	220	34	28	75	85	120	170	98	120	64
Trichlorofluoromethane	4.9	7.7	<5	0.38	<0.5	0.43	<5	<5	12	16	27	3.4	8.8	4.9
Vinyl Acetate							<50	<50	<50	<11	<2.2	<2.2	<2.3	<4.5
Vinyl Chloride	49	39	19	3.2	120	0.75	<2.5	8.5	4.1	3.3	3.1	4.2	5.6	11
Xylenes (total)	0.50	0.42	<10	<1	1.9	<1	<7.5	<7.5	<7.5	<2.0	<0.40	<0.40	<2.9	<5.6
xylenes(m,p)														
xylenes(o)														

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-07
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/3/90	10/24/90	2/12/91	2/3/94	6/29/95	2/3/99	9/20/00	10/26/01	2/13/02	6/4/02	9/27/02	12/3/02	3/11/03	6/10/03
1,1,1-Trichloroethane	17000	3600	6000	1420	3790	64	22.3	41	17	15	8.1	5.2	5.6	8.9
1,1,2-Trichloro-2,2,2-Trifluoroethane		200			209	23	10	<5	<5	42	18	11	20	15
1,1,2-Trichloroethane	<50	<40	<30		<5	<5	<5	<5	<5	<3	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	150	45	<30	85	210	310	60.2	70	47	38	410	540	73	39
1,1-Dichloroethene	10000	3300	3600	1610	6920	510	267	473	231	170	180	130	190	170
1,2,3-Trichloropropane					<5	<5	<5	<5	<5	<5	<1	<1	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)					<100	<5	<5	<5	<5	<5	<1	<1	<1	<1
1,2-Dibromoethane (EDB)					<5	<5	<5	<5	<5	<3	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	<50	<40	<30	<5	<5	2.9 (Tr)	<5	<5	<5	<3	<0.5	3.3	0.43	0.36
1,2-Dichloroethene, Total	<50	<40												
1,2-Dichloropropane	<50	<40	<30		<5	<5	<5	<5	<5	<3	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	<10					<5	<5	<5	<5	<3	<0.5	<0.5	<0.5	<0.5
1,4-Dioxane (P-Dioxane)						140 (Tr)	<57	<57	<57			<300	<300	<300
2-Chloroethyl Vinyl Ether					<10	<5	<5	<5	<5					
4-Methyl-2-Pentanone	<500	<400	<300			<10	<10	<10	<10					
Acetone	<1000	<800	<600	<100	<100	<100	<100	<100	<100				<20	<20
Benzene	<50	<40	<30	<5	<5	52	<1	3.1	1.5	<3	24	29	3.9	2.3
Bromodichloromethane	<50	<40	<30		<5	<5	<5	<5	<5	<3	<0.5	<0.5	<0.5	<0.5
Bromoform	<250	<200	<150		<5	<5	<5	<5	<5	<3	<0.5	<0.5	<0.5	<0.5
Bromomethane								<5	<5	<5	<1	<1	<1	<1
Carbon Tetrachloride	<50	<40	<30		<5	<5	<5	<5	<5	<3	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	<50	<40	<30	<5	<5	<5	<5	<5	<5	<3	5.7	5.6	1.6	0.85
Chloroethane	<50	<40	<30		<10	<5	<5	<5	<5	<3	15	14	1.8	<0.5
Chloroform	<50	<40	<30	<5	<5	<5	<5	<5	<5	<3	<0.5	<0.5	0.49	0.42
Chloromethane								<5	<5	<3	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene			<30	260	474	840	168	280	207	170	480	250	260	150
cis-1,3-Dichloropropene	<50	<40	<30		<5	<5	<5	<5	<5	<3	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	<50	<40	<30	<5	<5	<5	<5	<5	<5	<3	<0.5	<0.5	<0.5	<0.5
Dibromomethane					<5	<5	<5	<5	<5	<3	<0.5	<0.5	<0.5	<0.5

MCK0066877

Historical Groundwater Analytical Data
Monitoring Well SB-07
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/3/90	10/24/90	2/12/91	2/3/94	6/29/95	2/3/99	9/20/00	10/26/01	2/13/02	6/4/02	9/27/02	12/3/02	3/11/03	6/10/03
Dichlorodifluoromethane (Freon 12)					<5	<5	<5	<5	<5	<3	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	<50	<40	<30	<5	<5	15	<5	<5	<5	<3	44	49	<0.5	<0.5
Methyl Ethyl Ketone (2-Butanone)	<1000	<800	<600	<100	<100	<100	<100	<100	<100					
Methylacryonitrile					<100	<35								
Methylene Chloride	<250	<200	<150	<5	<5	8.7	<5	<5	<5	7.1	<1	<1	2.4	1.7
Styrene	<50	<40	<30		<5	<5	<5	<5	<5	<3	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	6700	3600	3300	1570	6710	220	178	465	217	260	170	130	200	250
Toluene	500	<80	<60	<5	<5	18	<5	<5	<5	<3	150	340	0.18	0.17
trans-1,2-Dichloroethene			<30	<5	<5	3.6 (Tr)	<5	<5	<5	<3	3.2	4.1	4.3	2.4
trans-1,3-Dichloropropene	<50	<40	<30		<5	<5	<5	<5	<5	<3	<0.5	<0.5	<0.5	<0.5
Trichloroethene	1100	760	680	488	1180	110	113	245	118	110	50	57	120	110
Trichlorofluoromethane	140	40		25	93	5.9	<5	<5	<5	8.7	4.4	4.4	8.8	5.4
Vinyl Acetate	<500	<400	<300		<50	<50	<50	<50	<50					
Vinyl Chloride	<50	<40	<30	<10	<10	200	10	5.4	<5	<3	120	100	53	4.4
Xylenes (total)	<50	<40	<30	<5	<5	260	<5	<5	<5	<5	67	110	1.1	<1
xylenes(m,p)						110	<5							
xylenes(o)						150	<5							

Historical Groundwater Analytical Data
Monitoring Well SB-07
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	9/16/03	12/19/03	3/22/04	6/17/04	9/14/04	12/10/04	3/10/05	6/7/05	9/20/05	12/14/05	3/9/06	6/15/06	9/21/06
1,1,1-Trichloroethane	12	26	4.3	5	17	5.8	1.3	3.5	2.0	<1.2	2.1	3.6	<2.3
1,1,2-Trichloro-2,2,2-Trifluoroethane	14	12	13	10	32	16	40	12	4.4	8.2	10	8.2	5.2
1,1,2-Trichloroethane	<20	<5	<0.5	<0.5	0.26	<2.5	<1	<1	<0.50	<0.50	0.13	<0.18	<2.0
1,1-Dichloroethane	880	420	380	330	350	210	51	48	50	48	49	44	42
1,1-Dichloroethene	240	280	480	160	330	190	60	98	89	73	69	87	62
1,2,3-Trichloropropane	<30	<10	<1	<1	<1	<2.5	<1	<1	<1.4	<1.4	<0.27	<0.24	<2.1
1,2-Dibromo-3-Chloropropane (DBCP)	<30	<10	<1	<1	<1	<10	<4	<4	<5.0	<5.0	<1.0	<0.76	<3.8
1,2-Dibromoethane (EDB)	<20	<5	<0.5	<0.5	<0.5	<5	<2	<2	<0.50	<0.50	<0.10	<0.21	<1.9
1,2-Dichloroethane	5.3	2.3	<0.5	1.5	3.1	1.9	0.62	0.54	<1.9	<1.9	<0.38	0.34	<1.7
1,2-Dichloroethene, Total													
1,2-Dichloropropane	<20	<5	<0.5	<0.5	<0.5	<2.5	<1	<1	<2.0	<2.0	<0.39	<0.19	<2.0
1,4-Dichlorobenzene	<20	<5	<0.5	0.09	0.22	<2.5	<1	<1	<1.6	<1.6	<0.31	<0.17	<1.9
1,4-Dioxane (P-Dioxane)	580	420	300	290	370	42	27		23	19	47	30	36
2-Chloroethyl Vinyl Ether													
4-Methyl-2-Pentanone						<50	<20	<20	<8.0	18	<1.6	<0.96	<7.5
Acetone	600	<200	<20	<20	<20	9.4	<20	4.0	<14	<14	<2.8	<1.8	15
Benzene	41	14	8.5	20	11	7.4	2.9	1.9	2.9	2.3	2.4	1.9	<2.1
Bromodichloromethane	<20	<5	<0.5	<0.5	<0.5	<5	<2	<2	<1.3	<1.3	<0.26	<0.19	<2.0
Bromoform	<20	<5	<0.5	<0.5	<0.5	<5	<2	<2	<4.3	<4.3	<0.86	<0.15	<2.1
Bromomethane	<30	<10	<1	<1	<1	<5	<2	<2	<1.8	<1.8	<0.35	<0.27	<3.1
Carbon Tetrachloride	<20	<5	<0.5	<0.5	<0.5	<2.5	<1	<1	<1.8	<1.8	<0.36	<0.29	<2.4
Chlorobenzene	8.7	<5	1.6	2.8	4.2	1.3	0.66	1.1	1.3	1.1	0.98	0.81	<1.8
Chloroethane	<20	<5	2.6	2.7	2.3	<5	9.5	<2	<1.7	3.0	5.2	0.97	<2.3
Chloroform	2.1	<5	0.68	0.56	0.91	<2.5	1.6	0.78	<1.8	<1.8	1.5	1.1	<2.0
Chloromethane	<20	<5	<0.5	<0.5	<0.5	<5	<2	<2	<1.5	<1.5	<0.30	<0.36	<2.0
cis-1,2-Dichloroethene	280	990	580	150	820	560	37	270	260	130	94	130	88
cis-1,3-Dichloropropene	<20	<5	<0.5	<0.5	<0.5	<2.5	<1	<1	<1.3	<1.3	<0.26	<0.21	<1.7
Dibromochloromethane	<20	<5	<0.5	<0.5	<0.5	<5	<2	<2	<0.65	<0.65	<0.13	<0.23	<1.7
Dibromomethane	<20	<5	<0.5	<0.5	<0.5	<2.5	<1	<1	<1.5	<1.5	<0.29	<0.22	<2.0

Historical Groundwater Analytical Data
Monitoring Well SB-07
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	9/16/03	12/19/03	3/22/04	6/17/04	9/14/04	12/10/04	3/10/05	6/7/05	9/20/05	12/14/05	3/9/06	6/15/06	9/21/06
Dichlorodifluoromethane (Freon 12)	<20	<5	<0.5	<0.5	<0.5	<5	<2	<2	<2.2	<2.2	<0.43	<0.37	<2.4
Ethylbenzene	140	70	26	75	94	18	1.8	<1	<1.1	<1.1	<0.22	<0.14	2.3
Methyl Ethyl Ketone (2-Butanone)	96	<200	<20	<20	<20	<50	<20	<20	<8.5	<8.5	<1.7	<2.3	<8.5
Methylacryonitrile													
Methylene Chloride	6.9	42	<1	0.44	0.27	<10	<4	<4	<3.6	6.3	0.81	0.25	<2.2
Styrene	<20	<5	<0.5	<0.5	3.1	<2.5	<1	<1	<1.0	<1.0	<0.20	<0.14	<1.9
Tetrachloroethene	230	250	590	140	260	220	100	110	160	140	130	170	120
Toluene	1500	36	150	300	17	2.4	1.5	<1	<0.50	1.6	<0.10	<0.18	<1.8
trans-1,2-Dichloroethene	4	1.8	4.2	1.5	7.8	1.7	0.42	2.5	<1.8	<1.8	1.4	1.7	<2.2
trans-1,3-Dichloropropene	<20	<5	<0.5	<0.5	<0.5	<2.5	<1	<1	<0.55	<0.55	<0.11	<0.18	<2.0
Trichloroethene	72	100	200	40	99	150	93	50	59	54	62	74	48
Trichlorofluoromethane	5.5	2.7	2.4	2.4	3.6	<5	14	4.1	<2.4	2.6	3.4	2.1	<3.0
Vinyl Acetate						<50	<20	<20	<11	<11	<2.2	<0.46	<4.5
Vinyl Chloride	110	570	460	110	460	250	9.1	7.1	20	33	14	12	6.6
Xylenes (total)	500	64	34	140	38	<7.5	5.0	<3	<2.0	3.4	<0.40	<0.57	<5.6
xylenes(m,p)													
xylenes(o)													

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-10
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/2/90	10/24/90	2/11/91	2/3/94	6/28/95	2/2/99	9/20/00	10/26/01	2/13/02	6/4/02	9/30/02	12/4/02	3/12/03	6/10/03
1,1,1-Trichloroethane	2900	2400	1800	591	6680	170	55	74	59	210	32	20	33	27
1,1,2-Trichloro-2,2,2-Trifluoroethane			79		137	77	13	<5	<50	38	20	22	21	21
1,1,2-Trichloroethane	<20	<25	<20		<5	<5	<5	<5	<50	<3	<0.5	<0.5	<1	0.34
1,1-Dichloroethane	160	<25	85	68	466	200	700	149	217	580	110	57	170	110
1,1-Dichloroethene	3600	1800	1700	1220	16400	990	218	959	1560	2900	170	80	480	430
1,2,3-Trichloropropane					<5	<5	<5	<5	<50	<5	<1	<1	<2	<1
1,2-Dibromo-3-Chloropropane (DBCP)					<100	<5	<5	<5	<50	<5	<1	<1	<2	<1
1,2-Dibromoethane (EDB)					<5	<5	<5	<5	<50	<3	<0.5	<0.5	<1	<0.5
1,2-Dichloroethane	<20	<25	<20	<5	37	18	6.3	8.8	<50	11	0.74	<0.5	2.0	2.2
1,2-Dichloroethene, Total	83	<25												
1,2-Dichloropropane	<20	<25	<20		<5	<5	<5	<5	<50	<3	<0.5	<0.5	<1	<0.5
1,4-Dichlorobenzene	<10					<5	<5	<5	<50	<3	<0.5	<0.5	<1	<0.5
1,4-Dioxane (P-Dioxane)						45 (Tr)	<57	<57	<570			<300	<600	<300
2-Chloroethyl Vinyl Ether					<10	<5	<5	<5	<50					
4-Methyl-2-Pentanone	<200	<250	<200	<50		<10	116	<10	<100					
Acetone	<400	<500	<400	<100	<100	<100	<100	<100	<1000				<40	<20
Benzene	<20	<25	<20	<5	26	6	55	3.2	<10	11	1.1	<0.5	3.4	2.4
Bromodichloromethane	<20	<25	<20		<5	<5	<5	<5	<50	<3	<0.5	<0.5	<1	<0.5
Bromoform	<100	<125	<100		<5	<5	<5	<5	<50	<3	<0.5	<0.5	<1	<0.5
Bromomethane								<5	<50	<5	<1	<1	<2	<1
Carbon Tetrachloride	<20	<25	<20		<5	<5	<5	<5	<50	<3	<0.5	<0.5	<1	<0.5
Chlorobenzene	<20	<25	<20	<5	<5	<5	<5	<5	<50	3.8	<0.5	<0.5	0.62	0.53
Chloroethane	<20	<25	<20		<10	<5	<5	<5	<50	10	<0.5	<0.5	<1	0.99
Chloroform	<20	<25	<20	<5	16	2.5 (Tr)	<5	<5	<50	3.4	0.68	0.72	0.98	0.77
Chloromethane								<5	<50	<3	<0.5	<0.5	<1	<0.5
cis-1,2-Dichloroethene			<20	44	176	<5	881	344	990	2600	220	94	410	280
cis-1,3-Dichloropropene	<20	<25	<20		<5	<5	<5	<5	<50	<3	<0.5	<0.5	<1	<0.5
Dibromochloromethane	<20	<25	<20	<5	<5	<5	<5	<5	<50	<3	<0.5	<0.5	<1	<0.5
Dibromomethane					<5	<5	<5	<5	<50	<3	<0.5	<0.5	<1	<0.5

MCK0066881

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-10
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/2/90	10/24/90	2/11/91	2/3/94	6/28/95	2/2/99	9/20/00	10/26/01	2/13/02	6/4/02	9/30/02	12/4/02	3/12/03	6/10/03
Dichlorodifluoromethane (Freon 12)					<5	<5	<5	<5	<50	<3	<0.5	<0.5	<1	<0.5
Ethylbenzene	<20	<25	<20	<5	<5	<5	41	<5	<50	<3	<0.5	<0.5	0.73	<0.5
Methyl Ethyl Ketone (2-Butanone)	<400	<500	<400	<100	<100	<100	<100	<100	<1000					
Methylacryonitrile					<100	<35								
Methylene Chloride	410	<125	<100	<5	<5	<5	<5	<5	<50	21	<1	<1	<2	0.68
Styrene	<20	<25	<20		<5	<5	<5	<5	<50	<3	<0.5	<0.5	<1	<0.5
Tetrachloroethene	2800	1600	1400	1320	15800	960	95	1270	1430	4200	140	160	460	630
Toluene	<40	<50	<40	<5	<5	<5	331	<5	<50	<3	<0.5	<0.5	0.49	0.21
trans-1,2-Dichloroethene			<20	<5	9	<5	5.4	<5	<50	27	3.1	1.0	1.2	2.1
trans-1,3-Dichloropropene	<20	25	<20		<5	<5	<5	<5	<50	<3	<0.5	<0.5	<1	<0.5
Trichloroethene	830	<25	390	461	3440	350	33	382	393	1100	90	85	100	100
Trichlorofluoromethane	190			17	152	27	<5	<5	<50	30	6.0	6.4	7.2	5.7
Vinyl Acetate	<200	<250	<200		<50	2.1 (Tr)	<50	<50	<500					
Vinyl Chloride	<20	<25	<20	<10	7	5.1	1630	9.7	<50	18	4.3	3.3	17	12
Xylenes (total)	<20	<25	<20	<5	<5	190	310	<5	<50	<5	<1	<1	1.3	0.33
xylenes(m,p)						<5	95							
xylenes(o)						5.1	214							

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-10
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	9/16/03	12/19/03	3/22/04	6/17/04	9/14/04	12/13/04	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06	6/15/06	9/22/06
1,1,1-Trichloroethane	26	15	6	15	42	690	77	5.0	3.9	3.3	7.8	7.2	<4.6
1,1,2-Trichloro-2,2,2-Trifluoroethane	19	25	32	31	42	13	20	21	8.8	6.8	8.6	12	5.3
1,1,2-Trichloroethane	<0.5	<3	<0.5	<5	<0.5	<2.5	<5	<2.5	<0.50	<0.50	<0.10	<0.18	<4.0
1,1-Dichloroethane	100	120	75	200	830	92	140	32	35	28	120	67	21
1,1-Dichloroethene	190	75	64	160	190	320	240	91	100	57	140	210	120
1,2,3-Trichloropropane	<1	<5	<1	<10	<1	<2.5	<5	<2.5	<1.4	<1.4	<0.27	<0.24	<4.1
1,2-Dibromo-3-Chloropropane (DBCP)	<1	<3	<1	<10	<1	<10	<20	<10	<5.0	<5.0	<1.0	<0.76	<7.6
1,2-Dibromoethane (EDB)	<0.5	<3	<0.5	<5	<0.5	<5	<10	<5	<0.50	<0.50	<0.10	<0.21	<3.8
1,2-Dichloroethane	0.99	<3	0.74	1.7	2	3.1	2.2	1.5	<1.9	<1.9	2.0	0.86	<3.3
1,2-Dichloroethene, Total													
1,2-Dichloropropane	<0.5	<3	<0.5	<5	<0.5	<2.5	<5	<2.5	<2.0	<2.0	<0.39	<0.19	<4.0
1,4-Dichlorobenzene	<0.5	<3	<0.5	<5	<0.5	<2.5	<5	<2.5	<1.6	<1.6	<0.31	<0.17	<3.7
1,4-Dioxane (P-Dioxane)	180	27	17	23	65	4.6	12	14	9.2	7.1	110	31	13
2-Chloroethyl Vinyl Ether													
4-Methyl-2-Pentanone						<50	<100	<50	<8.0	<8.0	95	<0.96	<15
Acetone	<20	<100	<20	<200	<20	<50	<100	<50	<14	<14	210	<1.8	25
Benzene	1	1.0	0.6	1.5	5.2	<2.5	2.2	<2.5	<1.9	<1.9	9.0	0.33	<4.2
Bromodichloromethane	<0.5	<3	<0.5	<5	<0.5	<5	<10	<5	<1.3	<1.3	<0.26	<0.19	<4.0
Bromoform	<0.5	<3	<0.5	<5	<0.5	<5	<10	<5	<4.3	<4.3	<0.86	<0.15	<4.1
Bromomethane	<1	<5	<1	<10	<1	<5	<10	<5	<1.8	<1.8	<0.35	<0.27	<6.1
Carbon Tetrachloride	<0.5	<3	<0.5	<5	<0.5	<2.5	<5	<2.5	<1.8	<1.8	<0.36	<0.29	<4.8
Chlorobenzene	0.25	<3	<0.5	<5	2.3	<2.5	<5	<2.5	<0.50	<0.50	2.3	0.76	<3.6
Chloroethane	<0.5	<3	<0.5	<5	0.76	<5	<10	<5	<1.7	2.1	60	6.5	<4.6
Chloroform	0.8	0.71	1.1	<5	0.96	<2.5	<5	1.8	<1.8	<1.8	1.5	1.9	<4.0
Chloromethane	<0.5	<3	<0.5	<5	<0.5	<5	<10	<5	<1.5	<1.5	<0.30	<0.36	<4.0
cis-1,2-Dichloroethene	180	180	110	390	1200	180	380	48	100	78	110	190	35
cis-1,3-Dichloropropene	<0.5	<3	<0.5	<5	<0.5	<2.5	<5	<2.5	<1.3	<1.3	<0.26	<0.21	<3.4
Dibromochloromethane	<0.5	<3	<0.5	<5	<0.5	<5	<10	<5	<0.65	<0.65	<0.13	<0.23	<3.3
Dibromomethane	<0.5	<3	<0.5	<5	<0.5	<2.5	<5	<2.5	<1.5	<1.5	<0.29	<0.22	<3.9

MCK0066883

Historical Groundwater Analytical Data
Monitoring Well SB-10
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	9/16/03	12/19/03	3/22/04	6/17/04	9/14/04	12/13/04	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06	6/15/06	9/22/06
Dichlorodifluoromethane (Freon 12)	<0.5	<3	<0.5	<5	<0.5	<5	<10	<5	<2.2	<2.2	<0.43	<0.37	<4.8
Ethylbenzene	<0.5	<3	<0.5	<5	<0.5	<2.5	<5	<2.5	<1.1	<1.1	11	<0.14	<4.1
Methyl Ethyl Ketone (2-Butanone)	<20	<100	<20	<200	<20	<50	<100	<50	<8.5	<8.5	43	<2.3	<17
Methylacryonitrile													
Methylene Chloride	0.3	5.2	<1	2	0.57	3.6	<20	<10	<3.6	6.9	1.0	0.89	<4.3
Styrene	<0.5	<3	<0.5	<5	<0.5	<2.5	<5	<2.5	<1.0	<1.0	<0.20	<0.14	<3.7
Tetrachloroethene	79	350	440	290	430	660	400	200	210	130	180	290	180
Toluene	0.39	<3	<0.5	<5	<0.5	<2.5	<5	<2.5	<0.50	0.85	64	<0.18	<3.6
trans-1,2-Dichloroethene	1.9	<3	1.1	0.9	8.4	<2.5	<5	<2.5	<1.8	<1.8	1.2	2.4	<4.3
trans-1,3-Dichloropropene	<0.5	<3	<0.5	<5	<0.5	<2.5	<5	<2.5	<0.55	<0.55	<0.11	<0.18	<3.9
Trichloroethene	64	83	210	110	120	180	85	99	79	53	98	150	72
Trichlorofluoromethane	4.8	7.0	12	10	9.5	8.2	5.6	7.6	3.8	<2.4	3.7	6.0	<6.0
Vinyl Acetate						<50	<100	<50	<11	<11	<2.2	<0.46	<9.0
Vinyl Chloride	4.6	3.8	3.5	6.8	23	7.3	3.9	4.0	16	4.8	2.3	1.8	<4.3
Xylenes (total)	<1	<5	<1	<10	0.69	<7.5	<15	<7.5	<2.0	<2.0	47	<0.57	<11
xylenes(m,p)													
xylenes(o)													

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Historical Groundwater Analytical Data
Monitoring Well SB-13
Former McKesson Chemical Company
Santa Fe Springs, California

Geosyntec consultants

Date Sampled	8/2/1990	10/24/1990	2/11/1991	2/2/1994	6/28/1995
1,1,1-Trichloroethane	170	16	140	80	1240
1,1,2-Trichlorotrifluoroethane		30	28		75
1,1,2-Trichloroethane	<10	<2	<2		<5
1,1-Dichloroethane	66	4	28	34	89
1,1-Dichloroethene	630	62	360	346	826
1,2,3-Trichloropropane					<5
1,2-Dibromo-3-chloropropane					<100
1,2-Dibromoethane					<5
1,2-Dichloroethane	53	4	23	30	225
1,2-Dichloroethene (total)	150	9			
1,2-Dichloropropane	<10	<2	<2		<5
1,4-Dichlorobenzene	<10				
1,4-Dioxane					
2-Chloroethylvinyl ether					<10
4-Methyl-2-Pentanone	<100	<20	<20		
Acetone	<200	<40	<40	<100	<100
Benzene	10	<2	4	<5	6
Bromodichloromethane	<10	<2	<2		<5
Bromoform	<50	<40	<10		<5
Carbon tetrachloride	<10	<2	<2		<5
Chlorobenzene	<10	<2	<2	<5	<5
Chloroethane	<10	<2	<2		<10
Chloroform	<10	<2	<2	<5	8
cis-1,2-Dichloroethene			40	45	93
cis-1,3-Dichloropropene	<10	<2	<2		<5
Dibromochloromethane	12	<2	<2	<5	<5
Dibromomethane					<5
Dichlorodifluoromethane					<5
Ethyl benzene	<10	<2	<2	<5	<5
Methacrylonitrile					
2-Butanone (MEK)	<200	<40	<40	<100	<100
Bromomethane					
Chloromethane					
Methylene chloride	700	<10	<10	<5	65
Styrene	<10	<2	<2		<5
Tetrachloroethene	510	96	300	419	682
Toluene	<20	<4	<4	<5	34
trans-1,2-Dichloroethene			<2	<5	<5
trans-1,3-Dichloropropene	<10	<2	<2		<5
Trichloroethene	870	220	340	375	797
Trichlorofluoromethane	NA	6	27	34	30
Vinyl acetate	<100	<20	<20		<50
Vinyl chloride	<10	<2	<2	<10	<10
Xylenes (total)	<10	<2	<2	<5	<5
xylenes (m&p)					
xylenes (o)					

Notes:
* Monitoring Well SB-13 was destroyed in 1995 during the removal of the underground storage tanks (USTs).
Values reported as micrograms per liter (ug/L) unless otherwise noted.
Tr - Trace concentration estimated by laboratory.
Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-17
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/2/90	10/25/90	2/13/91	2/3/94	6/29/95	2/23/96	2/3/99	11/10/99	12/28/99	1/17/00	2/28/00	9/21/00	10/24/01	2/14/02
1,1,1-Trichloroethane	65000	25000	23000	16800	8560	<1000	250	1870	27 (Tr)	278	132	2510	650	66
1,1,2-Trichloro-2,2,2-Trifluoroethane					<500	110	87	<200	<50	<5	42	49	<500	<50
1,1,2-Trichloroethane	<500	<250	<250		<500	11	<5	<200	<50	<5	8.4	13.3	<500	<50
1,1-Dichloroethane	<500	<250	<250	184	<500	470	990	918	1060	2300	2110	3140	2860	1570
1,1-Dichloroethene	5500	6300	2900	5010	4760	<1000	1820	2750	528	1390	1840	2420	1100	801
1,2,3-Trichloropropane					<500		<5	<200	<50	<5	<5	<5	<500	<50
1,2-Dibromo-3-Chloropropane (DBCP)					<10000		<5	<200	<50	<5	<5	<5	<500	<50
1,2-Dibromoethane (EDB)					<500		<5	<200	<50	<5	<5	<5	<500	<50
1,2-Dichloroethane	<500	600	<250	237	<500	240	83	271	357	221	652	615	<500	140
1,2-Dichloroethene, Total	<500	1000												
1,2-Dichloropropane	<500	<250	<250		<500	<5	<5	<200	<50	<5	<5	<5	<500	<50
1,4-Dichlorobenzene	<10				<5		<5	<200	<50	<5	<5	<5	<500	<50
1,4-Dioxane (P-Dioxane)							140 (Tr)	<2280	<570	<57	1750	<57	<5700	<570
2-Chloroethyl Vinyl Ether					<1000	<5	<5	<200	<50	<5	<5	<5	<500	<50
4-Methyl-2-Pentanone	<5000	<2500	<2500			20	<10	<400	<100	<10		<10	<1000	<100
Acetone	<10000	<5000	<5000	718	<10000	210	<100	<4000	<1000	<100	<100	<100	<10000	<1000
Benzene	<500	<250	<250	12	<500	46	26	42	<50	47	83	109	<100	32
Bromodichloromethane	<500	<250	<250		<500	<5	<5	<200	<50	<5	<5	<5	<500	<50
Bromoform	<2500	<1250	<1250		<500	<5	<5	<200	<50	<5	<5	<5	<500	<50
Bromomethane													<500	<50
Carbon Tetrachloride	<500	<250	<250		<500	<12.5	<5	<200	<50	<5	<5	<5	<500	<50
Chlorobenzene	<500	<250	<250	<5	<500	<5	<5	<200	<50	15	12	11	<500	<50
Chloroethane	<500	<250	<250		<1000	<12.5	<5	<200	<50	<5	<5	<5	<500	<50
Chloroform	<500	<250	<250	9	<500	13	7.7	12	<50	7.2	13	<5	<500	<50
Chloromethane													<500	<50
cis-1,2-Dichloroethene			1000	220	1090	<1000	2520	2960	<50	3460	4720	8470	4280	1600
cis-1,3-Dichloropropene	<500	<250	<250		<500	<5	<5	<200	<50	<5	<5	<5	<500	<50
Dibromochloromethane	<500	<250	<250	<5	<500	<5	<5	<200	<50	<5	<5	<5	<500	<50
Dibromomethane					<500		<5	<200	<50	<5	<5	<5	<500	<50

Historical Groundwater Analytical Data
Monitoring Well SB-17
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/2/90	10/25/90	2/13/91	2/3/94	6/29/95	2/23/96	2/3/99	11/10/99	12/28/99	1/17/00	2/28/00	9/21/00	10/24/01	2/14/02
Dichlorodifluoromethane (Freon 12)					<500		<5	<200	<50	<5	<5	<5	<500	<50
Ethylbenzene	<500	<250	<250	43	<500	18	23	<200	<50	9.6	129	240	<500	62
Methyl Ethyl Ketone (2-Butanone)	<10000	<5000	<5000	481	<10000	<25	<100	<4000	<1000	<100	<100	<100	<10000	<1000
Methylacryonitrile					<10000		<35							
Methylene Chloride	13000	45000	4000	14900	4700	480	3 (Tr)	276	<50	<5	<5	<5	<500	<50
Styrene	<500	<250	<250		<500	<5	<5	<200	<50	<5	<5	<5	<500	<50
Tetrachloroethene	45000	19000	15000	15000	10500	<1000	720	1510	103	360	353	86.4	576	561
Toluene	1000	2000	<500	553	<500	360	60	<200	<50	131	127	2580	1570	420
trans-1,2-Dichloroethene			<250	<5	<500	7.9	7.5	12	<50	12	27	<5	<500	<50
trans-1,3-Dichloropropene	<500	<250	<250		<500	<5	<5	<200	<50	<5	<5	<5	<500	<50
Trichloroethene	7200	5300	2700	2060	3910	650	610	762	<50	238	199	1300	1700	445
Trichlorofluoromethane				124	<500	88	19	29	<50	12	9.5	33	<500	<50
Vinyl Acetate	<5000	<2500	<2500		<5000	<12.5	<50	<2000	<500	<50	<50	<50	<5000	<500
Vinyl Chloride	<500	<250	<250	<10	<1000	24	38	123 (Tr)	397	345	2800	2590	5580	3730
Xylenes (total)	<500	500	<250	234	<500	53	100	<200	<50	22	275	511	<500	108
xylenes(m,p)							68		<50			294		
xylenes(o)							30		<50			228		

MCK0066887

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-17
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	6/5/02	9/30/02	12/4/02	3/12/03	6/11/03	9/16/03	12/18/03	3/22/04	6/17/04	9/15/04	12/13/04	3/11/05	6/8/05	9/21/05
1,1,1-Trichloroethane	110	3.3	0.80	11	20000	8.1	4.9	1.6	2.9	4	7.0	19	17000	34000
1,1,2-Trichloro-2,2,2-Trifluoroethane	<50	7.5	8.2	6.5	18	6.7	18	17	14	20	5.3	19	<400	<330
1,1,2-Trichloroethane	<50	0.58	<0.5	<3	24	2.8	<5	0.22	<5	0.77	<2.5	<2.5	<100	55
1,1-Dichloroethane	2000	170	88	370	930	550	160	88	100	230	210	170	4200	6300
1,1-Dichloroethene	790	90	70	130	3600	100	210	60	140	230	180	230	6000	12000
1,2,3-Trichloropropane	<100	<1	<1	<5	<50	<1	<10	<1	<10	<1	<2.5	<2.5	<100	<140
1,2-Dibromo-3-Chloropropane (DBCP)	<100	<1	<1	<5	<50	<1	<10	<1	<10	<1	<10	<10	<400	<500
1,2-Dibromoethane (EDB)	<50	<0.5	<0.5	<3	<30	<0.5	<5	<0.5	<5	<0.5	<5	<5	<200	<50
1,2-Dichloroethane	190	10	4.8	18	440	67	9.8	5.3	6.4	30	29	6.9	500	1400
1,2-Dichloroethene, Total														
1,2-Dichloropropane	<50	<0.5	<0.5	<3	<30	<0.5	<5	<0.5	<5	<0.5	<2.5	<2.5	<100	<200
1,4-Dichlorobenzene	<50	<0.5	<0.5	<3	<30	<0.5	<5	<0.5	<5	<0.5	<2.5	<2.5	<100	<160
1,4-Dioxane (P-Dioxane)			<300	<1000	<20000	740	130	84	120		48	19	520	1500
2-Chloroethyl Vinyl Ether														
4-Methyl-2-Pentanone											<50	<50	<2000	<800
Acetone				<100	3200	<20	<200	<20	<200	<20	<50	<50	9800	8500
Benzene	51	7.2	2.7	12	24	19	4.4	1.5	1.2	1.5	1.1	1.5	68	<190
Bromodichloromethane	<50	<0.5	<0.5	<3	<30	<0.5	<5	<0.5	<5	<0.5	<5	<5	<200	<130
Bromoform	<50	<0.5	<0.5	<3	<30	<0.5	<5	<0.5	<5	<0.5	<5	<5	<200	<430
Bromomethane	<100	2.5	<1	<5	<50	<1	<10	<1	<10	<1	<5	<5	<200	<180
Carbon Tetrachloride	<50	<0.5	<0.5	<3	<30	<0.5	<5	<0.5	<5	<0.5	<2.5	<2.5	<100	<180
Chlorobenzene	<50	<0.5	<0.5	2.0	<30	4.1	<5	<0.5	<5	0.83	<2.5	<2.5	<100	<50
Chloroethane	<50	<0.5	<0.5	<3	<30	<0.5	<5	<0.5	<5	<0.5	<5	<5	<200	<170
Chloroform	<50	1.1	0.87	1.3	19	2.1	1.4	0.77	<5	1.4	1.8	1.3	<100	<180
Chloromethane	<50	<0.5	<0.5	<3	<30	<0.5	<5	<0.5	<5	<0.5	<5	<5	<200	<150
cis-1,2-Dichloroethene	2000	120	89	330	4200	640	350	98	200	330	270	270	8100	23000
cis-1,3-Dichloropropene	<50	<0.5	<0.5	<3	<30	<0.5	<5	<0.5	<5	<0.5	<2.5	<2.5	<100	<130
Dibromochloromethane	<50	<0.5	<0.5	<3	<30	<0.5	<5	<0.5	<5	<0.5	<5	<5	<200	<65
Dibromomethane	<50	<0.5	<0.5	<3	<30	<0.5	<5	<0.5	<5	<0.5	<2.5	<2.5	<100	<150

Historical Groundwater Analytical Data
Monitoring Well SB-17
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	6/5/02	9/30/02	12/4/02	3/12/03	6/11/03	9/16/03	12/18/03	3/22/04	6/17/04	9/15/04	12/13/04	3/11/05	6/8/05	9/21/05
Dichlorodifluoromethane (Freon 12)	<50	<0.5	<0.5	<3	<30	<0.5	<5	<0.5	<5	<0.5	<5	<5	<200	<220
Ethylbenzene	80	8.8	3.9	19	27	87	<5	<0.5	<5	<0.5	<2.5	<2.5	<100	<110
Methyl Ethyl Ketone (2-Butanone)					570	<20	<200	<20	21	<20	<50	<50	1100	1300
Methylacryonitrile														
Methylene Chloride	100	<1	<1	<5	10000	0.25	<10	<1	2.3	<1	<10	<10	8000	27000
Styrene	<50	<0.5	<0.5	<3	<30	<0.5	<5	<0.5	<5	<0.5	<2.5	<2.5	<100	<100
Tetrachloroethene	560	210	230	150	220	220	300	190	300	200	130	210	1200	1800
Toluene	560	53	15	95	450	410	2.4	0.33	<5	<0.5	<2.5	<2.5	300	650
trans-1,2-Dichloroethene	<50	5.5	3.5	2.6	16	8.9	<5	1.9	1.1	4.4	1.1	1.3	<100	<180
trans-1,3-Dichloropropene	<50	<0.5	<0.5	<3	<30	<0.5	<5	<0.5	<5	<0.5	<2.5	<2.5	<100	<55
Trichloroethene	240	71	61	35	240	69	99	84	79	84	120	91	1300	3100
Trichlorofluoromethane	<50	2.0	1.3	1.4	42	1.3	3.4	3.5	3	5.4	2.3	3.7	100	<240
Vinyl Acetate											<50	<50	<2000	<1100
Vinyl Chloride	2400	650	260	550	570	730	120	65	38	47	15	22	2500	2100
Xylenes (total)	120	9.2	3.6	24	50	150	<10	0.73	<10	<1	<7.5	<7.5	<300	500
xylenes(m,p)														
xylenes(o)														

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

MCK0066889

Historical Groundwater Analytical Data
Monitoring Well SB-17
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/14/05	3/9/06	6/15/06	9/22/06
1,1,1-Trichloroethane	4500	770	380	140
1,1,2-Trichloro-2,2,2-Trifluoroethane	78	<65	49	28
1,1,2-Trichloroethane	<10	15	5.6	<20
1,1-Dichloroethane	5500	2700	1500	2100
1,1-Dichloroethene	3500	770	430	360
1,2,3-Trichloropropane	<27	<27	<4.8	<21
1,2-Dibromo-3-Chloropropane (DBCP)	<100	<100	<16	<38
1,2-Dibromoethane (EDB)	<10	<10	<4.2	<19
1,2-Dichloroethane	370	580	160	230
1,2-Dichloroethene, Total				
1,2-Dichloropropane	<39	<39	<3.8	<20
1,4-Dichlorobenzene	<31	<31	<3.4	<19
1,4-Dioxane (P-Dioxane)	550	1800	690	1100
2-Chloroethyl Vinyl Ether				
4-Methyl-2-Pentanone	<160	<160	<20	<75
Acetone	1600	4000	<36	210
Benzene	79	110	35	78
Bromodichloromethane	<26	<26	<3.8	<20
Bromoform	<86	<86	<3.0	<21
Bromomethane	<35	<35	<5.4	<31
Carbon Tetrachloride	<36	<36	<5.8	<24
Chlorobenzene	<10	12	4.4	<18
Chloroethane	<33	<33	<4.6	<23
Chloroform	<35	<35	5.4	<20
Chloromethane	<30	<30	<7.2	<20
cis-1,2-Dichloroethene	2600	930	1000	480
cis-1,3-Dichloropropene	<26	<26	<4.2	<17
Dibromochloromethane	<13	<13	<4.6	<17
Dibromomethane	<29	<29	<4.4	<20

Historical Groundwater Analytical Data
Monitoring Well SB-17
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/14/05	3/9/06	6/15/06	9/22/06
Dichlorodifluoromethane (Freon 12)	<43	<43	<7.4	<24
Ethylbenzene	170	160	41	94
Methyl Ethyl Ketone (2-Butanone)	460	940	<46	<85
Methylacryonitrile				
Methylene Chloride	140	<72	<4.4	<22
Styrene	<20	<20	<2.8	<19
Tetrachloroethene	190	190	140	140
Toluene	1800	2200	280	720
trans-1,2-Dichloroethene	<36	<36	11	<22
trans-1,3-Dichloropropene	<11	<11	<3.6	<20
Trichloroethene	350	350	190	160
Trichlorofluoromethane	66	<47	<11	<30
Vinyl Acetate	<220	<220	<9.2	<45
Vinyl Chloride	4700	1300	490	390
Xylenes (total)	490	380	65	140
xylenes(m,p)				
xylenes(o)				

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-17A
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	2/12/91	2/2/94	6/27/95	2/2/99	9/19/00	10/26/01	2/12/02	6/3/02	6/26/02	12/2/02	3/10/03	6/9/03	9/17/03	12/18/03
1,1,1-Trichloroethane	3	<5	<5	<5	<5	2.8 (Tr)	2.7 (Tr)	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloro-2,2,2-Trifluoroethane			38	<5	<5	<5	<5	<0.5	19	21	38	15	31	38
1,1,2-Trichloroethane	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	<1	<5	<5	<5	<5	<5	<5	<0.5	3.5	3.8	7.1	2.8	6.2	6.3
1,2,3-Trichloropropane			<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)			<100	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromoethane (EDB)			<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	0.20	0.13	<0.5	<0.5
1,2-Dichloropropane	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene				<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dioxane (P-Dioxane)				<200	<57	<57	<57			<300	<300	<300	<2	<2
2-Chloroethyl Vinyl Ether			<10	<5	<5	<5	<5							
4-Methyl-2-Pentanone	<10			<10	<10	<10	<10							
Acetone	<20	<100	<100	<100	<100	<100	<100				<20	<20	<20	<20
Benzene	<1	<5	<5	<5	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	<5		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane						<5	<5	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	0.33	0.30
Chlorobenzene	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	<1		<10	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	0.51	0.68	0.27	0.55	0.47
Chloromethane						<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	<1	<5	<5	<5	<5	<5	<5	<0.5	2.6	2.5	2.8	0.63	2.5	1.9
cis-1,3-Dichloropropene	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromomethane			<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane (Freon 12)			<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-17A
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	2/12/91	2/2/94	6/27/95	2/2/99	9/19/00	10/26/01	2/12/02	6/3/02	6/26/02	12/2/02	3/10/03	6/9/03	9/17/03	12/18/03
Ethylbenzene	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone (2-Butanone)	<20		<100	<100	<100	<100	<100						<20	<20
Methylacryonitrile			<100	<35										
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1
Styrene	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	7	<5	<5	<5	<5	4.5 (Tr)	5.4	4.4	32	31	41	17	34	37
Toluene	11	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	12	11	<5	<5	11	1.1 (Tr)	2.8 (Tr)	1.2	79	66	110	47	90	76
Trichlorofluoromethane			<5	<5	<5	<5	<5	<0.5	9.3	9.9	18	7.6	15	20
Vinyl Acetate	<10		<50	<50	<50	<50	<50							
Vinyl Chloride	<1	<10	<10	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenes (total)	<1	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1
xylenes(m,p)				<5	<5									
xylenes(o)				<5	<5									

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-17A
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/19/04	6/16/04	9/13/04	12/9/04	3/9/05	6/6/05	9/19/05	12/13/05	3/8/06	6/14/06	9/20/06
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.23	<0.23	<0.23	<0.31	<0.46
1,1,2-Trichloro-2,2,2-Trifluoroethane	42	52	47	80	84	54	30	22	15	9.9	3.8
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.10	<0.10	<0.10	<0.18	<0.40
1,1-Dichloroethane	<0.5	<0.5	<0.5	0.20	<2.5	<0.5	<0.37	<0.37	<0.37	<0.16	<0.35
1,1-Dichloroethene	7	9.6	10	33	22	8.0	5.5	3.6	2.9	1.6	0.99
1,2,3-Trichloropropane	<1	<1	<1	<0.5	<2.5	<0.5	<0.27	<0.27	<0.27	<0.24	<0.41
1,2-Dibromo-3-Chloropropane (DBCP)	<1	<1	<1	<2	<10	<2	<1.0	<1.0	<1.0	<0.76	<0.76
1,2-Dibromoethane (EDB)	<0.5	<0.5	<0.5	<1	<5	<1	<0.10	<0.10	<0.10	<0.21	<0.38
1,2-Dichloroethane	0.18	<0.5	0.13	0.23	<2.5	<0.5	<0.38	<0.38	<0.38	<0.21	<0.33
1,2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.39	<0.39	<0.39	<0.19	<0.40
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.31	<0.31	<0.31	<0.17	<0.37
1,4-Dioxane (P-Dioxane)	1.1		1.2	<1.9	<1.9		<0.20	<0.20	0.23	<0.41	<0.41
2-Chloroethyl Vinyl Ether											
4-Methyl-2-Pentanone				<10	<50	<10	<1.6	<1.6	<1.6	<0.96	<1.5
Acetone	<20	<20	<20	<10	<50	<10	<2.8	<2.8	<2.8	<1.8	<2.2
Benzene	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.38	<0.38	<0.38	<0.18	<0.42
Bromodichloromethane	<0.5	<0.5	<0.5	<1	<5	<1	<0.26	<0.26	<0.26	<0.19	<0.40
Bromoform	<0.5	<0.5	<0.5	<1	<5	<1	<0.86	<0.86	<0.86	<0.15	<0.41
Bromomethane	<1	<1	<1	<1	<5	<1	<0.35	<0.35	<0.35	<0.27	<0.61
Carbon Tetrachloride	0.43	0.42	0.39	0.44	<2.5	<0.5	<0.36	<0.36	<0.36	<0.29	<0.48
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.10	<0.10	<0.10	<0.17	<0.36
Chloroethane	<0.5	<0.5	<0.5	<1	<5	<1	<0.33	<0.33	<0.33	<0.23	<0.46
Chloroform	0.58	0.54	0.65	2.0	1.2	0.57	0.41	<0.35	0.41	0.25	<0.40
Chloromethane	<0.5	<0.5	<0.5	<1	<5	<1	<0.30	<0.30	<0.30	<0.36	<0.40
cis-1,2-Dichloroethene	2	1.9	1.7	3.8	3.3	1.2	0.79	0.47	0.71	0.22	<0.39
cis-1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.26	<0.26	<0.26	<0.21	<0.34
Dibromochloromethane	<0.5	<0.5	<0.5	<1	<5	<1	<0.13	<0.13	<0.13	<0.23	<0.33
Dibromomethane	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.29	<0.29	<0.29	<0.22	<0.39
Dichlorodifluoromethane (Freon 12)	<0.5	<0.5	<0.5	<1	<5	<1	<0.43	<0.43	<0.43	<0.37	<0.48

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-17A
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/19/04	6/16/04	9/13/04	12/9/04	3/9/05	6/6/05	9/19/05	12/13/05	3/8/06	6/14/06	9/20/06
Ethylbenzene	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.22	<0.22	<0.22	<0.14	<0.41
Methyl Ethyl Ketone (2-Butanone)	<20	<20	<20	<10	<50	<10	<1.7	<1.7	<1.7	<2.3	<1.7
Methylacryonitrile											
Methylene Chloride	<1	<1	<1	<2	<10	<2	<0.72	<0.72	1.1	<0.22	<0.43
Styrene	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.20	<0.20	<0.20	<0.14	<0.37
Tetrachloroethene	39	42	45	92	69	35	19	13	12	6.5	3.1
Toluene	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.10	<0.10	<0.10	<0.18	<0.36
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.36	<0.36	<0.36	<0.19	<0.43
trans-1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.11	<0.11	<0.11	<0.18	<0.39
Trichloroethene	89	97	110	190	180	98	54	37	29	17	8.3
Trichlorofluoromethane	20	22	20	42	30	23	13	7.5	5.0	3.1	1.4
Vinyl Acetate				<10	<50	<10	<2.2	<2.2	<2.2	<0.46	<0.90
Vinyl Chloride	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.27	<0.27	<0.27	<0.27	<0.43
Xylenes (total)	<1	<1	<1	<1.5	<7.5	<1.5	<0.40	<0.40	<0.40	<0.57	<1.1
xylenes(m,p)											
xylenes(o)											

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-17B
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	2/12/91	2/2/94	6/27/95	2/2/99	9/19/00	10/26/01	2/12/02	6/3/02	9/26/02	12/2/02	3/10/03	6/9/03	9/17/03	12/18/03
1,1,1-Trichloroethane	<1	<5	<5	<5	<5	2.2 (Tr)	4.7 (Tr)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.32
1,1,2-Trichloro-2,2,2-Trifluoroethane			<5	<5	<5	<5	<5	2	1.2	1.9	1.6	0.81	0.47	0.64
1,1,2-Trichloroethane	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	<1	<5	<5	<5	<5	<5	<5	0.5	<0.5	0.51	0.40	0.26	0.26	0.25
1,2,3-Trichloropropane			<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)			<100	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1
1,2-Dibromoethane (EDB)			<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene				<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dioxane (P-Dioxane)				<200	<57	<57	<57			<300	<300	<300	<2	<2
2-Chloroethyl Vinyl Ether			<10	<5	<5	<5	<5							
4-Methyl-2-Pentanone	<10			<10	<10	<10	<10							
Acetone	<20	<100	<100	<100	<100	<100	<100				<20	<20	<20	<20
Benzene	<1	<5	<5	<5	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	<5		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane						<5	<5	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	0.13	<0.5	0.22	0.19
Chlorobenzene	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	<1		<10	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	<1	<5	<5	<5	<5	<5	<5	0.68	0.82	0.83	0.50	0.60	0.79	0.65
Chloromethane						<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	0.20	0.22	0.11	<0.5
cis-1,3-Dichloropropene	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromomethane			<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane (Freon 12)			<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Historical Groundwater Analytical Data
Monitoring Well SB-17B
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	2/12/91	2/2/94	6/27/95	2/2/99	9/19/00	10/26/01	2/12/02	6/3/02	9/26/02	12/2/02	3/10/03	6/9/03	9/17/03	12/18/03
Ethylbenzene	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone (2-Butanone)	<20		<100	<100	<100	<100	<100						<20	<20
Methylacryonitrile			<100	<35										
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1
Styrene	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	5	<5	<5	<5	14	4.7 (Tr)	6.4	3.6	2.7	3.8	2.8	2.5	1.4	2.0
Toluene	3	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	33	29	22	15	31	22	15	34	41	36	22	28	46	40
Trichlorofluoromethane			<5	<5	<5	<5	<5	0.91	0.66	0.85	0.68	0.37	0.23	0.35
Vinyl Acetate	<10		<50	<50	<50	<50	<50							
Vinyl Chloride	<1	<10	<10	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenes (total)	<1	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	<1
xylenes(m,p)				<5	<5									
xylenes(o)				<5	<5									

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-17B
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/19/04	6/16/04	9/14/04	12/10/04	3/10/05	6/7/05	9/20/05	12/13/05	3/8/06	6/14/06	9/20/06
1,1,1-Trichloroethane	0.37	<0.5	<0.5	<0.5	<0.5	<0.5	<0.23	<0.23	<0.23	<0.31	<0.46
1,1,2-Trichloro-2,2,2-Trifluoroethane	1.2	1.3	0.58	2.1	4.5	5.1	7.1	4.1	<0.65	5.7	4.9
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.10	<0.10	<0.10	<0.18	<0.40
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.37	<0.37	<0.37	<0.16	<0.35
1,1-Dichloroethene	0.51	0.45	0.24	0.65	1.7	1.3	1.5	0.97	0.96	1.4	1.4
1,2,3-Trichloropropane	<1	<1	<1	<0.5	<0.5	<0.5	<0.27	<0.27	<0.27	<0.24	<0.41
1,2-Dibromo-3-Chloropropane (DBCP)	<1	<1	<1	<2	<2	<2	<1.0	<1.0	<1.0	<0.76	<0.76
1,2-Dibromoethane (EDB)	<0.5	<0.5	<0.5	<1	<1	<1	<0.10	<0.10	<0.10	<0.21	<0.38
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.38	<0.38	<0.38	<0.21	<0.33
1,2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.39	<0.39	<0.39	<0.19	<0.40
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.31	<0.31	<0.31	<0.17	<0.37
1,4-Dioxane (P-Dioxane)	<2		<2	<1.9	<1.9		<0.20	<0.20	<0.20	<0.41	<0.41
2-Chloroethyl Vinyl Ether											
4-Methyl-2-Pentanone				<10	<10	<10	<1.6	<1.6	<1.6	<0.96	<1.5
Acetone	<20	<20	<20	<10	<10	<10	<2.8	<2.8	<2.8	<1.8	<2.2
Benzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.38	0.53	<0.38	<0.18	<0.42
Bromodichloromethane	<0.5	<0.5	<0.5	<1	<1	<1	<0.26	<0.26	<0.26	<0.19	<0.40
Bromoform	<0.5	<0.5	<0.5	<1	<1	<1	<0.86	<0.86	<0.86	<0.15	<0.41
Bromomethane	<1	<1	<1	<1	<1	<1	<0.35	<0.35	<0.35	<0.27	<0.61
Carbon Tetrachloride	0.09	<0.5	0.19	<0.5	<0.5	<0.5	<0.36	<0.36	0.53	0.38	<0.48
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.10	<0.10	<0.10	<0.17	<0.36
Chloroethane	<0.5	<0.5	<0.5	<1	<1	<1	<0.33	<0.33	<0.33	<0.23	<0.46
Chloroform	0.56	0.85	0.73	0.90	0.91	0.73	0.94	0.90	0.92	1.0	0.86
Chloromethane	<0.5	<0.5	<0.5	<1	<1	<1	<0.30	<0.30	<0.30	<0.36	<0.40
cis-1,2-Dichloroethene	0.25	0.32	0.15	0.28	0.69	0.52	0.64	<0.42	0.54	0.50	0.54
cis-1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.26	<0.26	<0.26	<0.21	<0.34
Dibromochloromethane	<0.5	<0.5	<0.5	<1	<1	<1	<0.13	<0.13	<0.13	<0.23	<0.33
Dibromomethane	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.29	<0.29	<0.29	<0.22	<0.39
Dichlorodifluoromethane (Freon 12)	<0.5	<0.5	<0.5	<1	<1	<1	<0.43	<0.43	<0.43	<0.37	<0.48

Historical Groundwater Analytical Data
Monitoring Well SB-17B
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/19/04	6/16/04	9/14/04	12/10/04	3/10/05	6/7/05	9/20/05	12/13/05	3/8/06	6/14/06	9/20/06
Ethylbenzene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.22	0.22	<0.22	<0.14	<0.41
Methyl Ethyl Ketone (2-Butanone)	<20	<20	<20	<10	<10	<10	<1.7	<1.7	<1.7	<2.3	<1.7
Methylacryonitrile											
Methylene Chloride	<1	<1	<1	<2	<2	<2	<0.72	<0.72	<0.72	<0.22	<0.43
Styrene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.20	<0.20	<0.20	<0.14	<0.37
Tetrachloroethene	3.2	3.8	2	3.4	8.1	7.9	9.5	6.3	6.0	7.2	6.8
Toluene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.10	1.5	<0.10	<0.18	<0.36
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.36	<0.36	<0.36	<0.19	<0.43
trans-1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.11	<0.11	<0.11	<0.18	<0.39
Trichloroethene	28	45	39	55	44	39	56	58	56	59	53
Trichlorofluoromethane	0.66	0.57	0.34	0.98	2.2	2.2	3.1	1.8	1.7	2.0	2.2
Vinyl Acetate				<10	<10	<10	<2.2	<2.2	<2.2	<0.46	<0.90
Vinyl Chloride	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.27	<0.27	<0.27	<0.27	<0.43
Xylenes (total)	<1	<1	<1	<1.5	<1.5	<1.5	<0.40	1.1	<0.40	<0.57	<1.1
xylenes(m,p)											
xylenes(o)											

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-20
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/2/90	10/25/90	2/13/91	2/3/94	6/29/95	2/3/99	9/21/00	10/24/01	2/13/02	6/4/02	9/27/02	12/3/02	3/11/03	6/10/03
1,1,1-Trichloroethane	36000	12000	28000	4570	869	6780	69.8	1070	337	310	1100	590	200	68
1,1,2-Trichloro-2,2,2-Trifluoroethane					<50	310	<5	<250	<125	78	50	<0.5	22	23
1,1,2-Trichloroethane	<500	<100	<200		<50	6.5	<5	<250	<125	3.2	1.3	<0.5	0.44	0.39
1,1-Dichloroethane	200	120	<200	302	85	440 (Tr)	50.8	490	294	660	180	90	120	200
1,1-Dichloroethene	20000	4000	11000	6190	1120	4790	200	2590	1750	2900	510	200	200	440
1,2,3-Trichloropropane					<50	<5	<5	<250	<125	<5	<1	<1	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)					<1000	<5	<5	<250	<125	<5	<1	<1	<1	<1
1,2-Dibromoethane (EDB)					<50	<5	<5	<250	<125	<3	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	<500	150	460	<5	<50	320	<5	<250	<125	57	13	3.9	4.3	3.2
1,2-Dichloroethene, Total	540	<100												
1,2-Dichloropropane	<500	<100	<200		<50	<5	<5	<250	<125	<3	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	<10				<5	<5	<5	<250	<125	<3	<0.5	<0.5	<0.5	<0.5
1,4-Dioxane (P-Dioxane)						240	<57	<2850	<1425			<300	<300	150
2-Chloroethyl Vinyl Ether					<100	<5	<5	<250	<125					
4-Methyl-2-Pentanone	<5000	<1000	<2000			<10	<10	<500	<250					
Acetone	<10000	<2000	<4000	<100	<1000	<100	<100	<5000	<2500				<20	<20
Benzene	<500	<100	<200	<5	<50	11	<1	<50	<25	14	3.0	1.6	1.8	5.1
Bromodichloromethane	<500	<100	<200		<50	<5	<5	<250	<125	<3	<0.5	<0.5	<0.5	<0.5
Bromoform	<2500	<500	<1000		<50	<5	<5	<250	<125	<3	<0.5	<0.5	<0.5	<0.5
Bromomethane								<250	<125	<5	<1	<1	<1	<1
Carbon Tetrachloride	<500	<100	<200		<50	<5	<5	<250	<125	<3	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	<500	<100	<200	<5	<50	<5	<5	<250	<125	<3	0.55	<0.5	0.39	0.77
Chloroethane	<500	<100	<200		<100	<5	<5	<250	<125	5.8	<0.5	<0.5	0.20	0.92
Chloroform	<500	<100	<200	<5	<50	6.7	<5	<250	<125	8	1.4	1.1	0.87	0.89
Chloromethane								<250	<125	<3	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene			<200	170	98	1240	132	1100	608	1200	390	260	270	600
cis-1,3-Dichloropropene	<500	<100	<200		<50	<5	<5	<250	<125	<3	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	<500	<100	<200	<5	<50	<5	<5	<250	<125	<3	<0.5	<0.5	<0.5	<0.5
Dibromomethane					<50	<5	<5	<250	<125	<3	<0.5	<0.5	<0.5	<0.5

MCK0066900

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-20
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/2/90	10/25/90	2/13/91	2/3/94	6/29/95	2/3/99	9/21/00	10/24/01	2/13/02	6/4/02	9/27/02	12/3/02	3/11/03	6/10/03
Dichlorodifluoromethane (Freon 12)					<50	<5	<5	<250	<125	<3	<0.5	<0.5	0.73	<0.5
Ethylbenzene	<500	<100	<200	<5	<50	37	<5	<250	<125	<3	2.2	<0.5	<0.5	0.33
Methyl Ethyl Ketone (2-Butanone)	<10000	<2000	<4000	<100	<1000	<100	<100	<5000	<2500					
Methylacryonitrile					<1000	<35								
Methylene Chloride	19000	6700	29000	851	<50	4120	<5	<250	<125	11	<1	<1	0.22	0.41
Styrene	<500	<100	<200		<50	<5	<5	<250	<125	<3	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	19000	8600	19000	4300	1450	9700	138	3760	2700	5100	1500	880	350	520
Toluene	<1000	310	820	<5	<50	460	<5	<250	<125	<3	9.2	2.0	1.0	0.22
trans-1,2-Dichloroethene			<200	<5	<50	6	<5	<250	<125	12	2.9	3.3	2.8	10
trans-1,3-Dichloropropene	<500	<100	<200		<50	<5	<5	<250	<125	<3	<0.5	<0.5	<0.5	<0.5
Trichloroethene	3200	1400	2400	997	285	1900	93	1500	923	1500	340	160	140	110
Trichlorofluoromethane				75	<50	120	<5	<250	<125	52	16	12	6.8	6.4
Vinyl Acetate	<5000	<1000	<2000		<500	<50	<50	<2500	<1250					
Vinyl Chloride	<500	<100	<200	<10	<100	17	<5	<250	<125	14	25	42	10	5.9
Xylenes (total)	<500	<100	<200	<5	<50	300	<5	<250	<125	<5	16	1.8	3.1	0.96
xylenes(m,p)						180	<5							
xylenes(o)						120	<5							

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-20
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	9/18/03	12/19/03	3/22/04	6/17/04	9/14/04	12/13/04	3/11/05	6/7/05	9/20/05	12/14/05	3/9/06	6/15/06	9/21/06
1,1,1-Trichloroethane	550	3600	4000	1700	3400	6100	1900	49	38	64	49	33	24
1,1,2-Trichloro-2,2,2-Trifluoroethane	41	33	41	22	25	21	38	34	15	28	26	27	17
1,1,2-Trichloroethane	1.4	<5	2.4	1.6	3.7	<25	<50	<2.5	<0.50	<0.50	<2.0	<3.6	<8.0
1,1-Dichloroethane	540	580	690	630	450	990	840	140	300	470	280	270	300
1,1-Dichloroethene	770	1700	1100	1100	1000	1700	1300	140	160	310	300	210	210
1,2,3-Trichloropropane	<1	<10	<1	<1	<1	<25	<50	<2.5	<1.4	<1.4	<5.4	<4.8	<8.2
1,2-Dibromo-3-Chloropropane (DBCP)	<1	<10	<1	<1	<1	<100	<200	<10	<5.0	<5.0	<20	<16	<16
1,2-Dibromoethane (EDB)	<0.5	<5	<0.5	<0.5	<0.5	<50	<100	<5	<0.50	<0.50	<2.0	<4.2	<7.6
1,2-Dichloroethane	11	41	33	24	34	110	<50	1.3	3.9	3.8	<7.6	<4.2	<6.6
1,2-Dichloroethene, Total													
1,2-Dichloropropane	<0.5	<5	<0.5	<0.5	<0.5	<25	<50	<2.5	<2.0	<2.0	<7.8	<3.8	<8.0
1,4-Dichlorobenzene	<0.5	<5	<0.5	<0.5	<0.5	<25	<50	<2.5	<1.6	<1.6	<6.2	<3.4	<7.4
1,4-Dioxane (P-Dioxane)	92	160	240	140	120	130	24		72	61	350	160	83
2-Chloroethyl Vinyl Ether													
4-Methyl-2-Pentanone						<500	<1000	<50	<8.0	<8.0	<32	<20	<30
Acetone	<20	<200	<20	<20	<20	<500	<1000	36	<14	<14	<56	<36	54
Benzene	5.5	4.1	3.2	2.2	3.7	<25	<50	7.6	11	14	<7.6	6.4	<8.4
Bromodichloromethane	<0.5	<5	<0.5	<0.5	<0.5	<50	<100	<5	<1.3	<1.3	<5.2	<3.8	<8.0
Bromoform	<0.5	<5	<0.5	<0.5	<0.5	<50	<100	<5	<4.3	<4.3	<18	<3.0	<8.2
Bromomethane	<1	<10	<1	<1	<1	<50	<100	<5	<1.8	<1.8	<7.0	<5.4	<13
Carbon Tetrachloride	<0.5	<5	0.26	<0.5	<0.5	<25	<50	<2.5	<1.8	<1.8	<7.2	<5.8	<9.6
Chlorobenzene	1.3	<5	0.41	0.32	0.93	<25	<50	1.1	2.5	3.4	<2.0	<3.4	<7.2
Chloroethane	1.2	<5	<0.5	<0.5	<0.5	<50	<100	<5	<1.7	<1.7	<6.6	<4.6	<9.2
Chloroform	1.7	2.0	1.8	1.4	1.9	<25	<50	1.2	<1.8	<1.8	<7.0	<3.2	<8.0
Chloromethane	<0.5	<5	<0.5	<0.5	<0.5	<50	<100	<5	<1.5	<1.5	<6.0	<7.2	<8.0
cis-1,2-Dichloroethene	980	1400	630	1100	1100	1900	1200	210	300	1100	570	530	310
cis-1,3-Dichloropropene	<0.5	<5	<0.5	<0.5	<0.5	<25	<50	<2.5	<1.3	<1.3	<5.2	<4.2	<6.8
Dibromochloromethane	<0.5	<5	<0.5	<0.5	<0.5	<50	<100	<5	<0.65	<0.65	<2.6	<4.6	<6.6
Dibromomethane	<0.5	<5	<0.5	<0.5	<0.5	<25	<50	<2.5	<1.5	<1.5	<5.8	<4.4	<7.8

MCK0066902

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-20
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	9/18/03	12/19/03	3/22/04	6/17/04	9/14/04	12/13/04	3/11/05	6/7/05	9/20/05	12/14/05	3/9/06	6/15/06	9/21/06
Dichlorodifluoromethane (Freon 12)	<0.5	<5	<0.5	<0.5	<0.5	<50	<100	<5	<2.2	<2.2	<8.6	<7.4	<9.6
Ethylbenzene	0.23	9.1	1.8	1.2	0.24	<25	<50	1.1	<1.1	<1.1	<4.4	<2.8	<8.2
Methyl Ethyl Ketone (2-Butanone)	<20	<200	<20	<20	<20	<500	<1000	<50	<8.5	<8.5	<34	<46	<34
Methylacryonitrile													
Methylene Chloride	2.6	28	6.9	3.7	18	240	<200	<10	<3.6	6.0	<15	<4.4	<8.6
Styrene	<0.5	<5	<0.5	<0.5	<0.5	<25	<50	<2.5	<1.0	<1.0	<4.0	<2.8	<7.4
Tetrachloroethene	1500	4000	3300	1200	1900	2400	1800	150	210	220	180	170	210
Toluene	1.2	52	13	12	1.2	<25	<50	11	0.55	1.2	<2.0	<3.6	<7.2
trans-1,2-Dichloroethene	5.4	3.3	4	2.1	3.9	<25	<50	1.4	<1.8	1.9	<7.2	<3.8	<8.6
trans-1,3-Dichloropropene	<0.5	<5	<0.5	<0.5	<0.5	<25	<50	<2.5	<0.55	<0.55	<2.2	<3.6	<7.8
Trichloroethene	470	500	530	360	530	910	460	88	83	89	88	63	54
Trichlorofluoromethane	11	26	17	12	17	<50	<100	13	4.6	7.6	<9.4	<11	<12
Vinyl Acetate						<500	<1000	<50	<11	<11	<44	<9.2	<18
Vinyl Chloride	16	140	430	420	91	320	55	76	97	150	9.6	74	120
Xylenes (total)	5	46	9.3	6.9	6	<75	<150	25	11	2.0	<8.0	<11	<22
xylenes(m,p)													
xylenes(o)													

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Extraction Well SB-23
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/3/90	10/25/90	2/14/91	2/3/94	6/29/95	2/23/96	2/3/99	11/10/99	12/28/00	1/17/00	2/28/00	9/22/00	10/24/01	2/14/02	6/5/02	9/30/02
1,1,1-Trichloroethane	71000	87000	94000	47000	89000	<50000	44300	196000	32200	67000	273000	87600	88200	24300	45000	14000
1,1,2-Trichloro-2,2,2-Trifluoroethane					<500	<12.5	340	1050	<500	<50	950	514	<500	<500	120	<200
1,1,2-Trichloroethane	<300	<1000	<500		<500	46	23	<250	<500	53	<250	45	<500	<500	<50	<200
1,1-Dichloroethane	460	<1000	<500	540	1250	<500	1600	4040	1430	2350	4300	1710	1130	356 (Tr)	1000	200
1,1-Dichloroethene	17000	8200	10000	10300	22100	<5000	14300	67400	17700	7620	74000	21600	15200	5290	10000	2500
1,2,3-Trichloropropane					<500		<5	<250	<500	<50	<250	<5	<500	<500	<100	<300
1,2-Dibromo-3-Chloropropane (DBCP)					<10000		<5	<250	<500	<50	<250	<5	<500	<500	<100	<300
1,2-Dibromoethane (EDB)					<500		<5	<250	<500	<50	<250	<5	<500	<500	<50	<200
1,2-Dichloroethane	<300	<1000	1300	1250	2340	<5	400 (Tr)	<250	1210	<50	1700	533	<500	<500	330	<200
1,2-Dichloroethene, Total	930	2500														
1,2-Dichloropropane	<300	<1000	<500		<500	<5	<5	<250	<500	<50	<250	<5	<500	<500	<50	<200
1,4-Dichlorobenzene	<10						<5	<250	<500	<50	<250	<5	<500	<500	<50	<200
1,4-Dioxane (P-Dioxane)							400	<2850	<5700	<570	<2850	<57	<5700	<5700		
2-Chloroethyl Vinyl Ether					<1000	<5	<5	<250	<500	<50	<250	<5	<500	<500		
4-Methyl-2-Pentanone	<3000	<10000	<5000			<12.5	100	<500	<1000	<100		<10	<1000	<1000		
Acetone	<6000	<20000	<10000	1230	<10000	<5000	<100	<5000	<10000	<1000	<5000	<100	<10000	<10000		
Benzene	<300	<1000	<500	<5	<500	35	30	<250	<500	53	<250	50	<100	<100	<50	<200
Bromodichloromethane	<300	<1000	<500		<500	<5	<5	<250	<500	<50	<250	<5	<500	<500	<50	<200
Bromoform	<1500	<5000	<2500		<500	<5	<5	<250	<500	<50	<250	<5	<500	<500	<50	<200
Bromomethane													<500	<500	<100	<300
Carbon Tetrachloride	<300	<1000	<500		<500	<12.5	<5	<250	<500	<50	<250	<5	<500	<500	<50	<200
Chlorobenzene	<300	<1000	<500	<5	<500	<5	<5	<250	<500	<50	<250	<5	<500	<500	<50	<200
Chloroethane	<300	<1000	<500		<1000	<12.5	<5	<250	<500	<50	<250	<5	<500	<500	<50	<200
Chloroform	<300	<1000	<500	58	<500	36	8.9	<250	<500	<50	<250	<5	<500	<500	<50	<200
Chloromethane													<500	<500	<50	<200
cis-1,2-Dichloroethene			600	320	885	<1000	2600	7110	<500	12700	8930	5860	3460	1500	2700	470
cis-1,3-Dichloropropene	<300	<1000	<500		<500	<5	<5	<250	<500	<50	<250	<5	<500	<500	<50	<200
Dibromochloromethane	<300	<1000	<500	<5	<500	<5	<5	<250	<500	<50	<250	<5	<500	<500	<50	<200
Dibromomethane					<500		<5	<250	<500	<50	<250	<5	<500	<500	<50	<200

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Historical Groundwater Analytical Data
Extraction Well SB-23
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/3/90	10/25/90	2/14/91	2/3/94	6/29/95	2/23/96	2/3/99	11/10/99	12/28/00	1/17/00	2/28/00	9/22/00	10/24/01	2/14/02	6/5/02	9/30/02
Dichlorodifluoromethane (Freon 12)					<500		<5	<250	<500	<50	<250	<5	<500	<500	<50	<200
Ethylbenzene	440	<1000	<500	103	<500	68	46	<250	<500	102	707	110	<500	<500	57	<200
Methyl Ethyl Ketone (2-Butanone)	<6000	<20000	<10000	<100	<10000	<1000	2700	<5000	<10000	<1000	<5000	<100	<10000	<10000		
Methylacryonitrile					<10000		<35									
Methylene Chloride	88000	54000	93000	48700	96800	<10000	11000	<250	29500	14700	35400	8190	4650	<500	2800	<300
Styrene	<300	<1000	<500		<500	10	8.5	<250	<500	<50	<250	<5	<500	<500	<50	<200
Tetrachloroethene	24000	27000	40000	12200	22800	<5000	8400	27000	8260	<50	34000	12500	4330	3200	12000	4000
Toluene	1600	2600	2500	2120	3620	<1000	1400	7930	3170	2560	12800	4570	4080	531	2100	460
trans-1,2-Dichloroethene			<500	<5	<500	14	14	<250	<500	<50	<250	<5	<500	<500	<50	<200
trans-1,3-Dichloropropene	<300	<1000	<500		<500	<5	<5	<250	<500	<50	<250	<5	<500	<500	<50	<200
Trichloroethene	5800	7100	5000	1560	15300	<5000	2800	13700	4070	4280	14300	6010	23100	8100	6700	1300
Trichlorofluoromethane				464	<500	380	360 (Tr)	<250	<500	232	1860	607	<500	<500	320	<200
Vinyl Acetate	<3000	<10000	<5000		<5000	<12.5	<50	<2500	<5000	<500	<2500	<50	<5000	<5000		
Vinyl Chloride	<300	<1000	<500	<10	<1000	12	170	2920	490 (Tr)	1570	1230	370	640	228 (Tr)	650	280
Xylenes (total)	<300	<1000	<500	589	<500	280	250	<250	<500	432	885	300	<500	<500	260	<300
xylenes(m,p)							170		<500							
xylenes(o)							80		<500							

Geosyntec consultants

Historical Groundwater Analytical Data
Extraction Well SB-23
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/4/02	3/12/03	6/11/03	9/16/03	12/18/03	3/22/04	6/17/04	9/23/04	12/13/04	3/11/05	6/8/05	9/21/05	12/14/05	3/23/06	6/15/06	9/21/06
1,1,1-Trichloroethane	8600	4200	29000	20000	7500	16000	22000	26000	21000	31000	25000	5900	2500	35000	7600	4500
1,1,2-Trichloro-2,2,2-Trifluoroethane	<3	<10	57	37	31	51	35	24	<1000	<1000	180	69	<65	<220	58	<98
1,1,2-Trichloroethane	<3	<10	25	15	4.0	11	12	<30	<250	<250	<250	<10	<10	<110	<18	<80
1,1-Dichloroethane	250	470	1800	640	380	370	1100	520	790	2500	2200	840	510	840	1200	510
1,1-Dichloroethene	1600	1700	10000	6300	790	2000	2900	1500	1800	8300	8000	2000	820	10000	3300	1800
1,2,3-Trichloropropane	<5	<20	<50	<1	<30	<1	<10	<50	<250	<250	<250	<27	<27	<100	<24	<82
1,2-Dibromo-3-Chloropropane (DBCP)	<5	<20	<30	<1	<20	<1	<10	<50	<1000	<1000	<1000	<100	<100	<400	<76	<160
1,2-Dibromoethane (EDB)	<3	<10	<30	<0.5	<20	<0.5	<5	<30	<500	<500	<500	<10	<10	<75	<21	<76
1,2-Dichloroethane	43	50	270	210	59	120	200	84	<250	290	150	60	40	400	77	<66
1,2-Dichloroethene, Total																
1,2-Dichloropropane	<3	<10	<30	<0.5	<20	<0.5	<5	<30	<250	<250	<250	<39	<39	<85	<19	<80
1,4-Dichlorobenzene	<3	<10	<30	<0.5	<20	<0.5	<5	<30	<250	<250	<250	<31	<31	<55	<17	<74
1,4-Dioxane (P-Dioxane)	<2000	<6000	<20000	1200	150	81	830	440	93	310	291	93	68	3300	390	120
2-Chloroethyl Vinyl Ether																
4-Methyl-2-Pentanone						16			<5000	<5000	<5000	<160	<160	<420	<96	<300
Acetone		<400	3300	5300	<500	<20	2600	<1000	<5000	5400	1500	600	<280	1600	490	1000
Benzene	4.7	4.3	20	9.4	4.1	6.8	10	6	<250	<250	<250	<38	<38	<60	<18	<84
Bromodichloromethane	<3	<10	<30	<0.5	<20	<0.5	<5	<30	<500	<500	<500	<26	<26	<85	<19	<80
Bromoform	<3	<10	<30	<0.5	<20	<0.5	<5	<30	<500	<500	<500	<86	<86	<90	<15	<82
Bromomethane	<5	<20	<50	<1	<30	<1	<10	<50	<500	<500	<500	<35	<35	<140	<27	<130
Carbon Tetrachloride	<3	<10	<30	<0.5	<20	<0.5	<5	<30	<250	<250	<250	<36	<36	<90	<29	<96
Chlorobenzene	<3	<10	2.5	1.1	<20	0.49	<5	<30	<250	<250	<250	<10	<10	<75	<17	<72
Chloroethane	<3	<10	<30	<0.5	<20	<0.5	<5	<30	<500	<500	<500	<33	<33	<100	<23	<92
Chloroform	<3	1.8	12	8.1	3.2	8.6	10	<30	<250	<250	<250	<35	<35	<70	<16	<80
Chloromethane	<3	<10	<30	<0.5	<20	<0.5	<5	<30	<500	<500	<500	<30	<30	<120	<36	<80
cis-1,2-Dichloroethene	370	610	6000	1400	1100	320	1900	1000	1300	4500	3800	1400	1000	4500	2900	1300
cis-1,3-Dichloropropene	<3	<10	<30	<0.5	<20	<0.5	<5	<30	<250	<250	<250	<26	<26	<65	<21	<68
Dibromochloromethane	<3	<10	<30	<0.5	<20	<0.5	<5	<30	<500	<500	<500	<13	<13	<75	<23	<66
Dibromomethane	<3	<10	<30	<0.5	<20	<0.5	<5	<30	<250	<250	<250	<29	<29	<90	<22	<78

MCK0066906

Geosyntec consultants

Historical Groundwater Analytical Data
Extraction Well SB-23
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/4/02	3/12/03	6/11/03	9/16/03	12/18/03	3/22/04	6/17/04	9/23/04	12/13/04	3/11/05	6/8/05	9/21/05	12/14/05	3/23/06	6/15/06	9/21/06
Dichlorodifluoromethane (Freon 12)	<3	<10	<30	<0.5	<20	<0.5	<5	<30	<500	<500	<500	<43	<43	<180	<37	<96
Ethylbenzene	18	11	49	31	8.3	12	12	10	<250	<250	<250	<22	<22	<75	14	<82
Methyl Ethyl Ketone (2-Butanone)			570	660	<500	<20	410	<1000	<5000	<5000	<5000	<170	<170	<450	<230	<340
Methylacryonitrile																
Methylene Chloride	330	510	7500	3000	460	9300	6700	1100	1400	12000	3200	2400	520	2000	1700	1600
Styrene	<3	<10	<30	3.1	<20	<0.5	3.6	5.5	<250	<250	<250	<20	<20	<80	<14	<74
Tetrachloroethene	3000	1200	4400	2900	1700	1600	3700	7200	8000	13000	10000	4000	2400	6600	2700	2100
Toluene	400	280	2100	980	260	260	620	500	250	1000	1600	330	82	3100	550	280
trans-1,2-Dichloroethene	4.8	<10	18	38	<20	7.1	12	<30	<250	<250	<250	<36	<36	<80	<19	<86
trans-1,3-Dichloropropene	<3	<10	<30	<0.5	<20	<0.5	<5	<30	<250	<250	<250	<11	<11	<95	<18	<78
Trichloroethene	1600	430	3900	3000	1100	780	1400	1700	1800	3100	3900	1500	530	3100	720	610
Trichlorofluoromethane	100	37	200	100	19	66	59	48	<500	<500	190	51	<47	<70	<55	<120
Vinyl Acetate									<5000	<5000	<5000	<220	<220	<420	<46	<180
Vinyl Chloride	320	490	460	340	150	250	450	110	250	350	200	160	150	320	78	110
Xylenes (total)	97	36	180	130	46	110	73	70	<750	<750	<750	66	<40	260	<57	<220
xylenes(m,p)														170		
xylenes(o)														87		

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-23A
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	2/14/91	2/2/94	6/27/95	2/1/99	3/5/99	9/19/00	10/26/01	2/12/02	6/3/02	9/26/02	12/2/02	3/10/03	6/9/03	9/16/03
1,1,1-Trichloroethane	12	<5	<5	<5	<5	<5	11	8.3	6.3	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloro-2,2,2-Trifluoroethane			<5	<5	<5	24	<5	<5	<0.5	3.3	7.8	11	16	19
1,1,2-Trichloroethane	<1		<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	<1	<5	57	<5	<5	<5	3.4 (Tr)	3.4	3.9	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	2	<5	8	<5	<5	6.9	2.8 (Tr)	3.0	3.6	0.64	<0.5	2.0	3.1	2.9
1,2,3-Trichloropropane			<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)			<100	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
1,2-Dibromoethane (EDB)			<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	<1	<5	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	0.13	<0.5
1,2-Dichloropropane	<1		<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene				<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dioxane (P-Dioxane)				120 (Tr)	<100	<57	<57	<57			<300	<300	<300	<2
2-Chloroethyl Vinyl Ether			<10	<5	<5	<5	<5	<5						
4-Methyl-2-Pentanone	<10			<10	<10	<10	<10	<10						
Acetone	<20	<100	<100	<100	<100	<100	<100	<100				<20	<20	<20
Benzene	<1	<5	<5	<5	<5	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	<1		<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	<5		<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane							<5	<5	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	<1		<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	0.17	0.19	0.18
Chlorobenzene	<1	<5	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroethane	<1		<10	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	<1	<5	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	0.31	0.32	0.31
Chloromethane							<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	<1	<5	8	<5	<5	<5	2.8 (Tr)	2.8 (Tr)	2.4	<0.5	0.73	0.74	0.66	0.54
cis-1,3-Dichloropropene	<1		<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	<1	<5	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromomethane			<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane (Freon 12)			<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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Historical Groundwater Analytical Data
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Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	2/14/91	2/2/94	6/27/95	2/1/99	3/5/99	9/19/00	10/26/01	2/12/02	6/3/02	9/26/02	12/2/02	3/10/03	6/9/03	9/16/03
Ethylbenzene	<1	<5	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Methyl Ethyl Ketone (2-Butanone)	<20	<100	<100	<100	<100	<100	<100	<100						<20
Methylacryonitrile			<100	<35	<35									
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	<5	1.6	<1	<1	<1	<1	<1
Styrene	<1		<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	13	<5	84	<5	<5	21	19	17	19	6.5	12	12	17	15
Toluene	10	<5	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	0.17
trans-1,2-Dichloroethene	<1	<5	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	<1		<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	7	8	27	<5	<5	129	11	12	8.6	19	34	41	53	43
Trichlorofluoromethane			<5	<5	<5	16	<5	<5	<0.5	1.6	3.4	4.9	8.2	8
Vinyl Acetate	<10		<50	<50	<50	<50	<50	<50						
Vinyl Chloride	<1	<10	<10	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenes (total)	<1	<5	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1
xylenes(m,p)				<5	<5	<5								
xylenes(o)				<5	<5	<5								

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-23A
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/18/03	3/18/04	6/16/04	9/13/04	12/9/04	3/9/05	6/6/05	9/19/05	12/12/05	3/7/06	6/13/06	9/20/06
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	0.25	<0.23	<0.23	<0.31	<0.46
1,1,2-Trichloro-2,2,2-Trifluoroethane	34	57	54	31	37	58	45	35	36	25	13	5.2
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.10	<0.10	<0.10	<0.18	<0.40
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.37	<0.37	<0.37	<0.16	<0.35
1,1-Dichloroethene	5.7	9.7	8.5	5.2	7.3	12	7.9	6.5	6.0	4.3	2.2	1.1
1,2,3-Trichloropropane	<1	<1	<1	<1	<1	<1	<1	<0.27	<0.27	<0.27	<0.24	<0.41
1,2-Dibromo-3-Chloropropane (DBCP)	<1	<1	<1	<1	<4	<4	<4	<1.0	<1.0	<1.0	<0.76	<0.76
1,2-Dibromoethane (EDB)	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.10	<0.10	<0.10	<0.21	<0.38
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.38	<0.38	<0.38	<0.21	<0.33
1;2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.39	<0.39	<0.39	<0.19	<0.40
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.31	<0.31	<0.31	<0.17	<0.37
1,4-Dioxane (P-Dioxane)	0.61	<2		0.9	<1.9	<1.9		<0.20	<0.20	0.39	<0.41	<0.41
2-Chloroethyl Vinyl Ether												
4-Methyl-2-Pentanone					<20	<20	<20	<1.6	<1.6	<1.6	<0.96	<1.5
Acetone	<20	<20	<20	<20	<20	<20	4.1	<2.8	<2.8	<2.8	<1.8	<2.2
Benzene	<0.5	0.08	<0.5	<0.5	<1	<1	<1	<0.38	<0.38	<0.38	<0.18	<0.42
Bromodichloromethane	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.26	<0.26	<0.26	<0.19	<0.40
Bromoform	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.86	<0.86	<0.86	<0.15	<0.41
Bromomethane	<1	<1	<1	<1	<2	<2	<2	<0.35	<0.35	<0.35	<0.27	<0.61
Carbon Tetrachloride	0.20	0.4	0.37	0.34	<1	<1	<1	<0.36	<0.36	<0.36	<0.29	<0.48
Chlorobenzene	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.10	<0.10	<0.10	<0.17	<0.36
Chloroethane	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.33	<0.33	<0.33	<0.23	<0.46
Chloroform	0.46	0.65	0.58	0.39	0.48	0.70	0.50	0.44	0.41	0.44	0.29	<0.40
Chloromethane	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.30	<0.30	<0.30	<0.36	<0.40
cis-1,2-Dichloroethene	1.6	2.2	2.4	1.4	1.6	2.2	1.4	0.95	0.84	0.82	0.37	<0.39
cis-1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.26	<0.26	<0.26	<0.21	<0.34
Dibromochloromethane	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.13	<0.13	<0.13	<0.23	<0.33
Dibromomethane	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.29	<0.29	<0.29	<0.22	<0.39
Dichlorodifluoromethane (Freon 12)	<0.5	<0.5	<0.5	<0.5	<2	<2	<2	<0.43	<0.43	<0.43	<0.37	<0.48

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Date Sampled	12/18/03	3/18/04	6/16/04	9/13/04	12/9/04	3/9/05	6/6/05	9/19/05	12/12/05	3/7/06	6/13/06	9/20/06
Ethylbenzene	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.22	<0.22	<0.22	<0.14	<0.41
Methyl Ethyl Ketone (2-Butanone)	<20	<20	<20	<20	<20	<20	<20	<1.7	<1.7	<1.7	<2.3	<1.7
Methylacryonitrile												
Methylene Chloride	<1	<1	<1	<1	<4	<4	<4	<0.72	<0.72	<0.72	<0.22	<0.43
Styrene	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.20	<0.20	<0.20	<0.14	<0.37
Tetrachloroethene	28	47	45	31	30	45	35	25	21	17	8.1	4.1
Toluene	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.10	<0.10	0.19	<0.18	<0.36
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.36	<0.36	<0.36	<0.19	<0.43
trans-1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.11	<0.11	<0.11	<0.18	<0.39
Trichloroethene	70	110	100	66	78	110	83	68	59	40	22	11
Trichlorofluoromethane	16	27	24	14	16	22	16	14	13	9.3	3.8	2.0
Vinyl Acetate					<20	<20	<20	<2.2	<2.2	<2.2	<0.46	<0.90
Vinyl Chloride	<0.5	<0.5	<0.5	<0.5	<1	<1	<1	<0.27	<0.27	<0.27	<0.27	<0.43
Xylenes (total)	0.51	<1	<1	<1	<3	<3	<3	<0.40	<0.40	<0.40	<0.57	<1.1
xylenes(m,p)												
xylenes(o)												

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-23B
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	2/14/91	2/2/94	6/28/95	2/2/99	9/19/00	10/26/01	2/12/02	6/3/02	9/26/02	12/2/02	3/10/03	6/9/03	9/16/03	12/03
1,1,1-Trichloroethane	17	<5	<5	<5	<5	34	17	16	<0.5	<0.5	<0.5	<0.5	<0.5	NS
1,1,2-Trichloro-2,2,2-Trifluoroethane			<5	36	<5	<5	<5	1.8	29	31	44	39	37	NS
1,1,2-Trichloroethane	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
1,1-Dichloroethane	<1	<5	90	<5	<5	4 (Tr)	<5	4.2	<0.5	<0.5	<0.5	0.10	0.1	NS
1,1-Dichloroethene	2	<5	9	4.5 (Tr)	<5	9.5	4.9 (Tr)	7.7	6.2	6.4	6.9	8.3	7	NS
1,2,3-Trichloropropane			<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	NS
1,2-Dibromo-3-Chloropropane (DBCP)			<100	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	NS
1,2-Dibromoethane (EDB)			<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
1,2-Dichloroethane	<1	<5	5	<5	<5	<5	<5	0.67	<0.5	<0.5	<0.5	0.19	0.16	NS
1,2-Dichloropropane	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
1,4-Dichlorobenzene				<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
1,4-Dioxane (P-Dioxane)				<200	<57	<57	<57			<300	<300	<300	<2	NS
2-Chloroethyl Vinyl Ether			<10	<5	<5	<5	<5							NS
4-Methyl-2-Pentanone	<10			<10	<10	<10	<10							NS
Acetone	<20	<100	<100	<100	<100	<100	<100				<20	<20	<20	NS
Benzene	<1	<5	<5	<5	<1	<1	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
Bromodichloromethane	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
Bromoform	<5		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
Bromomethane						<5	<5	<1	<1	<1	<1	<1	<1	NS
Carbon Tetrachloride	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	0.40	0.40	0.43	NS
Chlorobenzene	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
Chloroethane	<1		<10	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
Chloroform	<1	<5	<5	<5	<5	<5	<5	<0.5	0.63	0.75	0.85	0.67	0.73	NS
Chloromethane						<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
cis-1,2-Dichloroethene	<1	<5	12	<5	<5	14	6.4	6.3	0.88	1.1	1.2	0.88	0.92	NS
cis-1,3-Dichloropropene	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
Dibromochloromethane	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
Dibromomethane			<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS

Historical Groundwater Analytical Data
Monitoring Well SB-23B
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	2/14/91	2/2/94	6/28/95	2/2/99	9/19/00	10/26/01	2/12/02	6/3/02	9/26/02	12/2/02	3/10/03	6/9/03	9/16/03	12/03
Dichlorodifluoromethane (Freon 12)			<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
Ethylbenzene	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
Methyl Ethyl Ketone (2-Butanone)	<20	<100	<100	<100	<100	<100	<100						<20	NS
Methylacryonitrile			<100	<35										NS
Methylene Chloride	<5	<5	<5	<5	<5	<5	<5	1.4	<1	<1	<1	<1	<1	NS
Styrene	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
Tetrachloroethene	17	10	18	24	8.9	23	13	18	28	28	33	<0.5	30	NS
Toluene	10	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
trans-1,2-Dichloroethene	<1	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
trans-1,3-Dichloropropene	<1		<5	<5	<5	<5	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NS
Trichloroethene	67	110	25	135	21	22	9.9	16	99	97	120	120	110	NS
Trichlorofluoromethane			<5	14	<5	<5	<5	0.94	16	15	22	22	17	NS
Vinyl Acetate	<10		<50	<50	<50	<50	<50							NS
Vinyl Chloride	<1	<10	<10	<5	<5	<5	<5	0.73	<0.5	<0.5	<0.5	<0.5	<0.5	NS
Xylenes (total)	<1	<5	<5	<5	<5	<5	<5	<1	<1	<1	<1	<1	<1	NS
xylenes(m,p)				<5	<5									NS
xylenes(o)				<5	<5									NS

Historical Groundwater Analytical Data
Monitoring Well SB-23B
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/19/04	6/16/04	9/13/04	12/9/04	3/11/05	6/6/05	9/19/05	12/12/05	3/7/06	6/13/06	9/20/06
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	<1	<1	<1	<1.2	1.1	<0.23	<0.31	<2.3
1,1,2-Trichloro-2,2,2-Trifluoroethane	33	46	31	42	27	27	43	50	43	55	32
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<1	<1	<1	<0.50	<0.10	<0.10	<0.18	<2.0
1,1-Dichloroethane	<0.5	<0.5	<0.5	<1	<1	<1	<1.9	<0.37	<0.37	<0.16	<1.8
1,1-Dichloroethene	7	9	6.6	9.6	6.2	4.8	8.7	9.8	7.8	10	7.2
1,2,3-Trichloropropane	<1	<1	<1	<1	<1	<1	<1.4	<0.27	<0.27	<0.24	<2.1
1,2-Dibromo-3-Chloropropane (DBCP)	<1	<1	<1	<4	<4	<4	<5.0	<1.0	<1.0	<0.76	<3.8
1,2-Dibromoethane (EDB)	<0.5	<0.5	<0.5	<2	<2	<2	<0.50	<0.10	<0.10	<0.21	<1.9
1,2-Dichloroethane	0.16	<0.5	0.16	<1	<1	<1	<1.9	<0.38	<0.38	<0.21	<1.7
1,2-Dichloropropane	<0.5	<0.5	<0.5	<1	<1	<1	<2.0	<0.39	<0.39	<0.19	<2.0
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	<1	<1	<1	<1.6	<0.31	<0.31	<0.17	<1.9
1,4-Dioxane (P-Dioxane)	4.4		1	<1.9	<2		<0.20	0.25	0.58	0.54	0.51
2-Chloroethyl Vinyl Ether											
4-Methyl-2-Pentanone				<20	<20	<20	<8.0	<1.6	<1.6	<0.96	<7.5
Acetone	<20	<20	<20	<20	<20	<20	<14	<2.8	<2.8	<1.8	<11
Benzene	<0.5	<0.5	<0.5	<1	<1	<1	<1.9	0.66	<0.38	<0.18	<2.1
Bromodichloromethane	<0.5	<0.5	<0.5	<2	<2	<2	<1.3	<0.26	<0.26	<0.19	<2.0
Bromoform	<0.5	<0.5	<0.5	<2	<2	<2	<4.3	<0.86	<0.86	<0.15	<2.1
Bromomethane	<1	<1	<1	<2	<2	<2	<1.8	<0.35	<0.35	<0.27	<3.1
Carbon Tetrachloride	0.4	0.37	0.41	<1	<1	<1	<1.8	0.45	0.61	0.39	<2.4
Chlorobenzene	<0.5	<0.5	<0.5	<1	<1	<1	<0.50	<0.10	<0.10	<0.17	<1.8
Chloroethane	<0.5	<0.5	<0.5	<2	<2	<2	<1.7	<0.33	<0.33	<0.23	<2.3
Chloroform	0.63	0.79	0.64	0.76	0.72	0.62	<1.8	0.84	0.84	0.85	<2.0
Chloromethane	<0.5	<0.5	<0.5	<2	<2	<2	<1.5	<0.30	<0.30	<0.36	<2.0
cis-1,2-Dichloroethene	1.2	1.7	1.6	1.9	1.5	1.7	2.2	2.1	2.1	2.3	<2.0
cis-1,3-Dichloropropene	<0.5	<0.5	<0.5	<1	<1	<1	<1.3	<0.26	<0.26	<0.21	<1.7
Dibromochloromethane	<0.5	<0.5	<0.5	<2	<2	<2	<0.65	<0.13	<0.13	<0.23	<1.7
Dibromomethane	<0.5	<0.5	<0.5	<1	<1	<1	<1.5	<0.29	<0.29	<0.22	<2.0
Dichlorodifluoromethane (Freon 12)	<0.5	<0.5	<0.5	<2	<2	<2	<2.2	<0.43	<0.43	<0.37	<2.4

Historical Groundwater Analytical Data
Monitoring Well SB-23B
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/19/04	6/16/04	9/13/04	12/9/04	3/11/05	6/6/05	9/19/05	12/12/05	3/7/06	6/13/06	9/20/06
Ethylbenzene	<0.5	<0.5	<0.5	<1	<1	<1	<1.1	<0.22	<0.22	<0.14	<2.1
Methyl Ethyl Ketone (2-Butanone)	<20	<20	<20	<20	<20	<20	<8.5	<1.7	<1.7	<2.3	<8.5
Methylacryonitrile											
Methylene Chloride	<1	<1	<1	<4	<4	<4	<3.6	<0.72	1.0	<0.22	<2.2
Styrene	<0.5	<0.5	<0.5	<1	<1	<1	<1.0	<0.20	<0.20	<0.14	<1.9
Tetrachloroethene	32	43	37	37	28	31	43	48	43	48	33
Toluene	<0.5	<0.5	<0.5	<1	<1	<1	<0.50	1.4	<0.10	<0.18	<1.8
trans-1,2-Dichloroethene	<0.5	<0.5	<0.5	<1	<1	<1	<1.8	<0.36	<0.36	<0.19	<2.2
trans-1,3-Dichloropropene	<0.5	<0.5	<0.5	<1	<1	<1	<0.55	<0.11	<0.11	<0.18	<2.0
Trichloroethene	110	110	100	120	110	77	120	130	110	130	88
Trichlorofluoromethane	18	22	15	19	11	11	20	19	15	20	13
Vinyl Acetate				<20	<20	<20	<11	<2.2	<2.2	<0.46	<4.5
Vinyl Chloride	<0.5	<0.5	<0.5	<1	<1	<1	<1.4	<0.27	<0.27	<0.27	<2.2
Xylenes (total)	<1	<1	<1	<3	<3	<3	<2.0	0.77	<0.40	<0.57	<5.6
xylenes(m,p)											
xylenes(o)											

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

NS - Not sampled because well was damaged during site operations.

Historical Groundwater Analytical Data
Monitoring Well SB-25
Former McKesson Chemical Company
Santa Fe Springs, California

Geosyntec consultants

Date Sampled	8/3/1990	10/25/1990	2/13/1991	2/3/1994	6/29/1995	9/1/1995	2/23/1996
1,1,1-Trichloroethane	2000	1800	1100	1320	4930	<5000	<1000
1,1,2-Trichlorotrifluoroethane					<500	<13000	<25
1,1,2-Trichloroethane	<200	<120	<500		<500	<5000	61
1,1-Dichloroethane	740	<120	<500	558	4930	<5000	<1000
1,1-Dichloroethene	9200	7600	6500	2950	13800	<13000	
1,2,3-Trichloropropane					<500		
1,2-Dibromo-3-chloropropane					<10000	<5000	
1,2-Dibromoethane					<500		
1,2-Dichloroethane	<200	160	<500	364	4360	<5000	<1000
1,2-Dichloroethene (total)	1900	1500					
1,2-Dichloropropane	<200	<120	<500		<500	<5000	<10
1,4-Dichlorobenzene	<10					<5000	
2-Chloroethylvinyl ether					<1000	<5000	<10
4-Methyl-2-Pentanone	<2000	<1200	<5000			<13000	<1000
Acetone	5700	4900	<10000	14200	681000	220000	<50000
Benzene	210	<120	<500	63	<500	<5000	450
Bromodichloromethane	<200	<120	<500		<500	<5000	<10
Bromoform	<1000	<620	<2500		<500	<5000	<10
Carbon tetrachloride	<200	<120	<500		<500	<13000	<25
Chlorobenzene	<200	<120	<500	7	<500	<5000	48
Chloroethane	<200	<120	<500		<1000	<13000	<25
Chloroform	<200	<120	<500	<5	<500	<5000	220
cis-1,2-Dichloroethene			<500	450	2620	<5000	<1000
cis-1,3-Dichloropropene	<200	<120	<500		<500	<5000	<10
Dibromochloromethane	<200	<120	<500	<5	<500	<5000	<10
Dibromomethane					<500		
Dichlorodifluoromethane					<500		
Ethyl benzene	<200	<120	<500	224	1190	<5000	1100
Methacrylonitrile					<10000		
2-Butanone (MEK)	<4000	<2500	<10000	728	21200	<25000	<10000
Bromomethane	<2000	<1200	<5000		<1000	<13000	<25
Chloromethane	<2000	<1200	<5000		<1000	<13000	<25
Methylene chloride	72000	25000	46000	34300	269000	290000	<50000
Styrene	<200	<120	<500		<500	<5000	<10
Tetrachloroethene	7000	5100	5500	3960	8080	<5000	<1000
Toluene	1800	1600	940	2590	19900	11000	<1000
trans-1,2-Dichloroethene	<200		<500	<5	<500	<5000	29
trans-1,3-Dichloropropene	NA	<120	<500		<500	<5000	<10
Trichloroethene	4200	4200	3300	<5	10700	5600	<5000
Trichlorofluoromethane			<5000	100	<500	<13000	190
Vinyl acetate	<200	<1200	<500		<5000	<13000	<25
Vinyl chloride	<200	<120	<500	76	<1000	<13000	80
Xylenes (total)	<200	400		1270	4710	<5000	3600

Notes:

* Monitoring Well SB-25 was destroyed in 1995 during the removal of the underground storage tanks (USTs).

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentration estimated by laboratory.

Blank spaces indicate constituent not analyzed.

MCK0066916

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-32
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/3/90	10/25/90	2/12/91	2/3/94	6/29/95	9/1/95	2/3/99	9/21/00	10/23/01	2/13/02	9/27/02	12/2/02	6/10/03	9/17/03
1,1,1-Trichloroethane	5200	4600	3000	2100	15900	13000	780	212	32	18 (Tr)	11	DRY	6.7	4.1
1,1,2-Trichloro-2,2,2-Trifluoroethane		700			<500	<500	19	47	<5	<50	19	DRY	9.2	5.3
1,1,2-Trichloroethane	<20	<25	<20		<500	<200	<5	<5	<5	<50	<0.5	DRY	<0.5	<0.5
1,1-Dichloroethane	290	450	250	242	1550	770	9600	1630	1210	1570	810	DRY	550	270
1,1-Dichloroethene	5500	4200	3300	3310	3300	1900	1000	1000	470	424	74	DRY	110	30
1,2,3-Trichloropropane					<500		<5	<5	<5	<50	<1	DRY	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)					<10000	<500	<5	<5	<5	<50	<1	DRY	<1	<1
1,2-Dibromoethane (EDB)					<500		<5	<5	<5	<50	<0.5	DRY	<0.5	<0.5
1,2-Dichloroethane	<20	<25	<20	<5	<500	<200	8.5	<5	<5	<50	<0.5	DRY	0.83	<0.5
1,2-Dichloroethene, Total	780	660										DRY		
1,2-Dichloropropane	<20	<25	<20		<500	<200	<5	<5	<5	<50	<0.5	DRY	<0.5	<0.5
1,4-Dichlorobenzene	<10					<500	<5	<5	<5	<50	<0.5	DRY	<0.5	<0.5
1,4-Dioxane (P-Dioxane)						<500	340	<57	<57	<570		DRY	59	31
2-Chloroethyl Vinyl Ether					<1000	<200	<5	<5	<5	<50		DRY		
4-Methyl-2-Pentanone	<200	<250	<200			<500	<10	<10	<10	<100		DRY		
Acetone	<400	<500	<400	<100	17300	<1000	<100	<100	<100	<1000		DRY	<20	<20
Benzene	51	56	41	24	<500	<200	41	26	12	<10	6.0	DRY	4.4	1.9
Bromodichloromethane	<20	<25	<20		<500	<200	<5	<5	<5	<50	<0.5	DRY	<0.5	<0.5
Bromoform	<100	<125	<100		<500	<200	<5	<5	<5	<50	<0.5	DRY	<0.5	<0.5
Bromomethane									<5	<50	<1	DRY	<1	<1
Carbon Tetrachloride	<20	<25	<20		<500	<500	<5	<5	<5	<50	<0.5	DRY	<0.5	<0.5
Chlorobenzene	<20	<25	<20	<5	<500	<200	<5	<5	<5	<50	2.4	DRY	2.0	0.67
Chloroethane	<20	<25	<20		<1000	<500	<5	<5	<5	<50	0.68	DRY	<0.5	<0.5
Chloroform	21	<25	<20	<5	<500	<200	<5	<5	<5	<50	<0.5	DRY	0.13	<0.5
Chloromethane									<5	<50	<0.5	DRY	<0.5	<0.5
cis-1,2-Dichloroethene			520	990	12800	7900	7600	2930	1320	1270	260	DRY	350	110
cis-1,3-Dichloropropene	<20	<25	<20		<500	<200	<5	<5	<5	<50	<0.5	DRY	<0.5	<0.5
Dibromochloromethane	<20	<25	<20	<5	<500	<200	<5	<5	<5	<50	<0.5	DRY	<0.5	<0.5

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-32
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	8/3/90	10/25/90	2/12/91	2/3/94	6/29/95	9/1/95	2/3/99	9/21/00	10/23/01	2/13/02	9/27/02	12/2/02	6/10/03	9/17/03
Dibromomethane					<500		<5	<5	<5	<50	<0.5	DRY	<0.5	<0.5
Dichlorodifluoromethane (Freon 12)					<500		<5	<5	<5	<50	<0.5	DRY	<0.5	<0.5
Ethylbenzene	<20	<25	<20	<5	654	280	440	<5	<5	<50	<0.5	DRY	<0.5	<0.5
Methyl Ethyl Ketone (2-Butanone)	<400	<500	<400	<100	15700	<1000	<100	<100	<100	<1000		DRY		<20
Methylacryonitrile					<10000		<35					DRY		
Methylene Chloride	<100	<125	<100	543	<500	<1000	3.7 (Tr)	<5	<5	<50	<1	DRY	<1	0.13
Styrene	<20	<25	<20		<500	<200	<5	<5	<5	<50	<0.5	DRY	<0.5	<0.5
Tetrachloroethene	3100	2600	2200	1480	<500	<200	18	120	48	39 (Tr)	25	DRY	42	17
Toluene	110	<50	<40	16	2430	890	1940	<5	<5	<50	<0.5	DRY	0.22	0.13
trans-1,2-Dichloroethene			<20	<5	<500	<200	9.2	<5	<5	<50	5.2	DRY	15	6.8
trans-1,3-Dichloropropene	<20	<25	<20		<500	<200	<5	<5	<5	<50	<0.5	DRY	<0.5	<0.5
Trichloroethene	4100	4100	3100	1680	<500	<200	4.8 (Tr)	121	44	20 (Tr)	11	DRY	19	7.1
Trichlorofluoromethane	270	80		52	<500	<500	<5	7.6	<5	<50	0.53	DRY	0.83	0.28
Vinyl Acetate	<200	<250	<200		<5000	<500	<50	<50	<50	<500		DRY		
Vinyl Chloride	78	<25	<20	91	<1000	<500	160	196	160	245	110	DRY	69	34
Xylenes (total)	<20	<25	<20	38	2450	870	1880	9.1	6.3	<50	1.8	DRY	0.57	<1
xylenes(m,p)							1060	<5				DRY		
xylenes(o)							820	9.1				DRY		

MCK0066918

Historical Groundwater Analytical Data
Monitoring Well SB-32
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/19/03	3/22/04	6/17/04	9/17/04	12/13/04	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06	6/15/06	9/21/06
1,1,1-Trichloroethane	3.9	4.5	4.4	2.7	<5	3.9	16	<2.3	<2.3	<2.3	<3.1	<4.6
1,1,2-Trichloro-2,2,2-Trifluoroethane	4.0	13	8.1	5.1	3.2	<20	2.9	<6.5	<6.5	<6.5	<4.2	<4.9
1,1,2-Trichloroethane	<3	<0.5	<1	<0.5	<5	<5	<5	<1.0	<1.0	<1.0	<1.8	<4.0
1,1-Dichloroethane	320	380	610	360	350	610	440	490	600	650	500	330
1,1-Dichloroethene	47	70	160	79	89	170	110	120	130	150	120	84
1,2,3-Trichloropropane	<5	<1	<2	<1	<5	<5	<5	<2.7	<2.7	<2.7	<2.4	<4.1
1,2-Dibromo-3-Chloropropane (DBCP)	<5	<1	<2	<1	<20	<20	<20	<10	<10	<10	<7.6	<7.6
1,2-Dibromoethane (EDB)	<3	<0.5	<1	<0.5	<10	<10	<10	<1.0	<1.0	<1.0	<2.1	<3.8
1,2-Dichloroethane	<3	<0.5	0.88	0.72	<5	<5	<5	<3.8	<3.8	<3.8	<2.1	<3.3
1,2-Dichloroethene, Total												
1,2-Dichloropropane	<3	<0.5	<1	<0.5	<5	<5	<5	<3.9	<3.9	<3.9	<1.9	<4.0
1,4-Dichlorobenzene	<3	<0.5	<1	<0.5	<5	<5	<5	<3.1	<3.1	<3.1	<1.7	<3.7
1,4-Dioxane (P-Dioxane)	48	86	69	56	14	26	27	22	28	58	50	27
2-Chloroethyl Vinyl Ether												
4-Methyl-2-Pentanone					<100	<100	<100	<16	<16	<16	<9.6	<15
Acetone	<100	<20	<40	<20	18	<100	20	<28	<28	<28	<18	28
Benzene	2.0	6.1	5.4	2.7	1.7	3.4	2.2	<3.8	<3.8	<3.8	<1.8	<4.2
Bromodichloromethane	<3	<0.5	<1	<0.5	<10	<10	<10	<2.6	<2.6	<2.6	<1.9	<4.0
Bromoform	<3	<0.5	<1	<0.5	<10	<10	<10	<8.6	<8.6	<8.6	<1.5	<4.1
Bromomethane	<5	<1	<2	<1	<10	<10	<10	<3.5	<3.5	<3.5	<2.7	<6.1
Carbon Tetrachloride	<3	<0.5	<1	<0.5	<5	<5	<5	<3.6	<3.6	<3.6	<2.9	<4.8
Chlorobenzene	0.88	1.9	1.5	1.1	<5	1.6	<5	1.0	<1.0	1.3	<1.7	<3.6
Chloroethane	<3	<0.5	<1	<0.5	<10	<10	<10	<3.3	<3.3	<3.3	<2.3	<4.6
Chloroform	<3	<0.5	0.38	0.22	<5	<5	<5	<3.5	<3.5	<3.5	<1.6	<4.0
Chloromethane	<3	<0.5	<1	<0.5	<10	<10	<10	<3.0	<3.0	<3.0	<3.6	<4.0
cis-1,2-Dichloroethene	180	340	480	220	240	530	430	420	500	570	460	250
cis-1,3-Dichloropropene	<3	<0.5	<1	<0.5	<5	<5	<5	<2.6	<2.6	<2.6	<2.1	<3.4
Dibromochloromethane	<3	<0.5	<1	<0.5	<10	<10	<10	<1.3	<1.3	<1.3	<2.3	<3.3
Dibromomethane	<3	<0.5	<1	<0.5	<5	<5	<5	<2.9	<2.9	<2.9	<2.2	<3.9

Historical Groundwater Analytical Data
Monitoring Well SB-32
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/19/03	3/22/04	6/17/04	9/17/04	12/13/04	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06	6/15/06	9/21/06
Dichlorodifluoromethane (Freon 12)	<3	<0.5	<1	<0.5	<10	<10	<10	<4.3	<4.3	<4.3	<3.7	<4.8
Ethylbenzene	<3	<0.5	<1	0.25	<5	<5	<5	<2.2	<2.2	<2.2	<1.4	<4.1
Methyl Ethyl Ketone (2-Butanone)	<100	<20	<40	<20	<100	<100	<100	<17	<17	<17	<23	<17
Methylacryonitrile												
Methylene Chloride	11	<1	<2	<1	4.9	<20	6.1	<7.2	20	<7.2	<2.2	<4.3
Styrene	<3	<0.5	<1	<0.5	<5	<5	<5	<2.0	<2.0	<2.0	<1.4	<3.7
Tetrachloroethene	26	60	41	30	26	37	34	31	33	32	29	25
Toluene	<3	0.25	0.64	0.75	<5	<5	<5	<1.0	<1.0	<1.0	<1.8	<3.6
trans-1,2-Dichloroethene	1.6	12	1.5	0.61	<5	<5	<5	<3.6	<3.6	<3.6	<1.9	<4.3
trans-1,3-Dichloropropene	<3	<0.5	<1	<0.5	<5	<5	<5	<1.1	<1.1	<1.1	<1.8	<3.9
Trichloroethene	13	36	23	18	15	26	22	22	27	29	23	15
Trichlorofluoromethane	<3	1.2	0.76	0.33	<10	<10	<10	<4.7	<4.7	<4.7	<5.5	<6.0
Vinyl Acetate					<100	<100	<100	<22	<22	<22	<4.6	<9.0
Vinyl Chloride	37	88	77	61	15	31	23	24	14	22	13	12
Xylenes (total)	<5	0.77	1.2	1.1	<15	<15	<15	<4.0	<4.0	<4.0	<5.7	<11
xylenes(m,p)												
xylenes(o)												

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-36
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	2/13/91	2/3/94	6/29/95	2/23/96	2/3/99	9/23/00	10/26/01	2/13/02	6/4/02	9/27/02	12/3/02	3/11/03	6/10/03	9/16/03
1,1,1-Trichloroethane	40000	20100	23200	19000	860	442	342	174	170	69	39	82	95	70
1,1,2-Trichloro-2,2,2-Trifluoroethane	250		<500	460	240	56	<5	<125	34	80	35	48	45	58
1,1,2-Trichloroethane	<250		<500	<200	<5	11	<5	<125	<5	<0.5	<0.5	1.4	0.95	<0.5
1,1-Dichloroethane	<250	471	1140	960	670	826	1220	747	700	260	180	520	780	500
1,1-Dichloroethene	14000	11800	20500	14000	1610	1260	898	880	850	420	180	820	790	350
1,2,3-Trichloropropane			<500		<5	<5	<5	<125	<10	<1	<1	<2	<1	<1
1,2-Dibromo-3-Chloropropane (DBCP)			<10000		<5	<5	<5	<125	<10	<1	<1	<2	<1	<1
1,2-Dibromoethane (EDB)			<500		<5	<5	<5	<125	<5	<0.5	<0.5	<1	<0.5	<0.5
1,2-Dichloroethane	<250	239	<500	260	12	78	8.6	<125	14	1.4	1.3	4.4	4.4	1.8
1,2-Dichloropropane	<250		<500	<200	<5	<5	7	<125	<5	<0.5	<0.5	<1	<0.5	<0.5
1,4-Dichlorobenzene					<5	<5	<5	<125	<5	<0.5	<0.5	<1	0.080	<0.5
1,4-Dioxane (P-Dioxane)					160 (Tr)	<57	<57	<1425			<300	550	440	140
2-Chloroethyl Vinyl Ether			<1000	<200	<5	<5	<5	<125						
4-Methyl-2-Pentanone	<2500			<500	47	<10	<10	<250						
Acetone	<5000	<100	<10000	3800	<100	<100	<100	<2500				<40	<20	<20
Benzene	<250	50	<500	<200	25	8.5	19	<25	9.2	3.4	3.0	17	17	4.8
Bromodichloromethane	<250		<500	<200	<5	<5	<5	<125	<5	<0.5	<0.5	<1	<0.5	<0.5
Bromoform	<1250		<500	<200	<5	<5	<5	<125	<5	<0.5	<0.5	<1	<0.5	<0.5
Bromomethane							<5	<125	<10	<1	<1	<2	<1	<1
Carbon Tetrachloride	<250		<500	<500	<5	58	<5	<125	<5	<0.5	<0.5	<1	<0.5	<0.5
Chlorobenzene	<250	<5	<500	<200	<5	<5	<5	<125	<5	<0.5	<0.5	1.8	2.8	1.2
Chloroethane	<250		<1000	<500	<5	<5	<5	<125	23	1.7	1.5	4.2	3.9	1.5
Chloroform	<250	<5	<500	<200	2 (Tr)	<5	<5	<125	<5	1.1	0.73	1.0	0.97	0.82
Chloromethane							<5	<125	<5	<0.5	<0.5	<1	<0.5	<0.5
cis-1,2-Dichloroethene	<250	640	887	1600	1990	1620	1750	1420	1600	500	390	1200	2000	970
cis-1,3-Dichloropropene	<250		<500	<200	<5	<5	<5	<125	<5	<0.5	<0.5	<1	<0.5	<0.5
Dibromochloromethane	<250	<5	<500	<200	<5	<5	<5	<125	<5	<0.5	<0.5	<1	<0.5	<0.5
Dibromomethane			<500		<5	<5	<5	<125	<5	<0.5	<0.5	<1	<0.5	<0.5

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well SB-36
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	2/13/91	2/3/94	6/29/95	2/23/96	2/3/99	9/23/00	10/26/01	2/13/02	6/4/02	9/27/02	12/3/02	3/11/03	6/10/03	9/16/03
Dichlorodifluoromethane (Freon 12)			<500		<5	<5	<5	<125	<5	<0.5	<0.5	<1	<0.5	<0.5
Ethylbenzene	<250	82	<500	<200	62	<5	5.6	<125	7.1	1.5	1.1	9.9	12	2.5
Methyl Ethyl Ketone (2-Butanone)	<5000	<100	<10000	<1000	380	<100	<100	<2500						<20
Methylacryonitrile			<10000		<35									
Methylene Chloride	17000	5670	2950	3000	10	<5	<5	<125	25	<1	<1	4.7	0.90	0.42
Styrene	<250		<500	<200	<5	<5	<5	<125	<5	<0.5	<0.5	<1	<0.5	<0.5
Tetrachloroethene	13000	9570	24700	<30000	3090	3930	1790	3100	3500	310	250	610	660	270
Toluene	1900	1340	526	<200	77	<5	10	<125	<5	<0.5	<0.5	4.3	7.8	0.49
trans-1,2-Dichloroethene	<250	<5	<500	<200	7	80	<5	<125	15	4.3	4.2	9.0	40	9.8
trans-1,3-Dichloropropene	<250		<500	<200	<5	<5	<5	<125	<5	<0.5	<0.5	<1	<0.5	<0.5
Trichloroethene	1900	5000	4210	3500	1020	432	664	370	390	170	100	260	220	110
Trichlorofluoromethane		81	<500	<500	46	<5	<5	<125	<5	12	6.0	11	10	8.7
Vinyl Acetate	<2500		<5000	<500	<50	<50	<50	<1250						
Vinyl Chloride	<250	<1	<1000	<500	10	<5	11	<125	8.4	5.5	5.1	32	12	9.5
Xylenes (total)	1200	571	<500	<200	190	<5	39	<125	23	9.1	6.0	35	65	9.7
xylenes(m,p)					44	<5								
xylenes(o)					150	<5								

MCK0066922

Historical Groundwater Analytical Data
Monitoring Well SB-36
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/18/03	3/22/04	6/17/04	6/17/04	9/14/04	12/10/04	3/10/05	6/7/05	9/20/05	12/14/05	3/8/06	6/14/06	9/21/06
1,1,1-Trichloroethane	20	49	38	38	32	260	620	520	110	20	26	83	<46
1,1,2-Trichloro-2,2,2-Trifluoroethane	23	89	38	38	36	86	180	100	57	52	<6.5	77	56
1,1,2-Trichloroethane	<3	<0.5	<0.5	<0.5	0.17	<10	<10	<25	<5.0	<2.0	<1.0	<1.8	<40
1,1-Dichloroethane	260	950	510	510	550	2700	4500	1600	1100	730	850	1600	1200
1,1-Dichloroethene	140	230	240	240	380	1100	3600	1700	1000	550	420	870	770
1,2,3-Trichloropropane	<5	<1	<1	<1	<1	<10	<10	<25	<14	<5.4	<2.7	<2.4	<41
1,2-Dibromo-3-Chloropropane (DBCP)	<3	<1	<1	<1	<1	<40	<40	<100	<50	<20	<10	<7.6	<76
1,2-Dibromoethane (EDB)	<3	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<5.0	<2.0	<1.0	<2.1	<38
1,2-Dichloroethane	0.88	4.4	1.9	1.9	2.6	4.6	8.6	<25	<19	<7.6	5.2	5.5	<33
1,2-Dichloropropane	<3	<0.5	<0.5	<0.5	<0.5	<10	<10	<25	<20	<7.8	<3.9	<1.9	<40
1,4-Dichlorobenzene	<3	<0.5	<0.5	<0.5	<0.5	<10	<10	<25	<16	<6.2	<3.1	<1.7	<37
1,4-Dioxane (P-Dioxane)	87	250	51	51	270	82	95		340	270	720	530	470
2-Chloroethyl Vinyl Ether													
4-Methyl-2-Pentanone						<200	<200	<500	<80	<32	<16	<9.6	<150
Acetone	<100	<20	<20	<20	<20	<200	41	<500	<140	<56	<28	<18	300
Benzene	2.7	14	4.8	4.8	5.8	35	86	79	21	7.6	9.9	18	<42
Bromodichloromethane	<3	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<13	<5.2	<2.6	<1.9	<40
Bromoform	<3	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<43	<18	<8.6	<1.5	<41
Bromomethane	<5	<1	<1	<1	<1	<20	<20	<50	<18	<7.0	<3.5	<2.7	<61
Carbon Tetrachloride	3.5	<0.5	<0.5	<0.5	<0.5	<10	<10	<25	<18	<7.2	<3.6	<2.9	<48
Chlorobenzene	0.60	3.8	0.85	0.85	1.2	<10	11	9.5	<5.0	<2.0	2.1	3.9	<36
Chloroethane	<3	3.3	0.54	0.54	0.41	<20	<20	<50	<17	<6.6	<3.3	<2.3	<46
Chloroform	0.60	<0.5	0.69	0.69	0.7	<10	<10	<25	<18	<7.0	<3.5	<1.6	<40
Chloromethane	<3	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<15	<6.0	<3.0	<3.6	<40
cis-1,2-Dichloroethene	450	2200	1000	1000	900	4700	10000	4200	1800	800	990	3600	1700
cis-1,3-Dichloropropene	<3	<0.5	<0.5	<0.5	<0.5	<10	<10	<25	<13	<5.2	<2.6	<2.1	<34
Dibromochloromethane	<3	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<6.5	<2.6	<1.3	<2.3	<33
Dibromomethane	<3	<0.5	<0.5	<0.5	<0.5	<10	<10	<25	<15	<5.8	<2.9	<2.2	<39

MCK0066923

Historical Groundwater Analytical Data
Monitoring Well SB-36
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	12/18/03	3/22/04	6/17/04	6/17/04	9/14/04	12/10/04	3/10/05	6/7/05	9/20/05	12/14/05	3/8/06	6/14/06	9/21/06
Dichlorodifluoromethane (Freon 12)	<3	<0.5	<0.5	<0.5	<0.5	<20	<20	<50	<22	<8.6	<4.3	<3.7	<48
Ethylbenzene	<3	14	1	1	<0.5	<10	28	220	17	<4.4	<2.2	14	<41
Methyl Ethyl Ketone (2-Butanone)	<100	<20	<20	<20	<20	<200	<200	<500	<85	<34	<17	<23	<170
Methylacryonitrile													
Methylene Chloride	7.5	<1	0.36	0.36	0.29	10	12	<100	<36	<15	<7.2	<2.2	<43
Styrene	<3	<0.5	<0.5	<0.5	<0.5	<10	<10	<25	<10	<4.0	<2.0	<1.4	<37
Tetrachloroethene	320	290	380	380	380	940	1500	880	380	200	220	370	280
Toluene	<3	2.7	0.18	0.18	0.11	<10	99	430	23	<2.0	<1.0	8.5	<36
trans-1,2-Dichloroethene	1.7	18	2.1	2.1	4.1	6.6	13	<25	<18	<7.2	4.3	4.6	<43
trans-1,3-Dichloropropene	<3	<0.5	<0.5	<0.5	<0.5	<10	<10	<25	<5.5	<2.2	<1.1	<1.8	<39
Trichloroethene	95	140	100	100	150	320	660	440	150	130	120	180	140
Trichlorofluoromethane	4.3	11	5.6	5.6	6.1	21	43	21	<24	<9.4	6.4	6.2	<60
Vinyl Acetate						<200	<200	<500	<110	<44	<22	<4.6	<90
Vinyl Chloride	8.0	40	9.5	9.5	29	190	85	72	36	28	22	63	<43
Xylenes (total)	2.4	31	2.3	2.3	4.7	28	650	660	90	<8.0	<4.0	59	<110
xylenes(m,p)													
xylenes(o)													

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well PS-INJ
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	11/11/99	12/28/99	1/17/00	2/28/00	9/22/00	10/24/01	2/12/02	6/11/03	9/18/03	12/19/03	3/31/04	6/17/04	9/15/04	12/13/04
1,1,1-Trichloroethane	205000	94100	394000	516000	290000	139,000	118,000	360000	180000	150000	190000	67000	150000	770000
1,1,2-Trichloro-2,2,2-Trifluoroethane	365	<1000	<250	1320	100	<2,500	<500	490	330	280	190	52	170	330
1,1,2-Trichloroethane	<250	<1000	<250	429	<5	<2,500	<500	180	160	49	120	38	89	<500
1,1-Dichloroethane	3020	<1000	825	<250	2360	<2,500	<500	5100	1300	840	1800	650	300	1800
1,1-Dichloroethene	31000	3760	27800	61500	26700	11,800	8,140	24000	19000	11000	17000	6800	4000	38000
1,2,3-Trichloropropane	<250	<1000	<250	<250	<5	<2,500	<500	<100	<10	<10	<30	<10	<1	<500
1,2-Dibromo-3-Chloropropane (DBCP)	<250	<1000	<250	<250	<5	<2,500	<500	<100	<10	<10	<30	<10	<1	<2000
1,2-Dibromoethane (EDB)	<250	<1000	<250	<250	<5	<2,500	<500	<50	<5	<5	<20	<5	<0.5	<1000
1,2-Dichloroethane	1800	<1000	1200	9550	4320	<2,500	<500	1500	1200	730	2100	650	280	2000
1,2-Dichloropropane	<250	<1000	<250	<250	<5	<2,500	<500	<50	<5	<5	<20	<5	<0.5	<500
1,4-Dichlorobenzene	<250	<1000	<250	<250	<5	<2,500	<500	<50	<5	<5	<20	<5	<0.5	<500
1,4-Dioxane (P-Dioxane)	<2850	<11400	<2850	75500	<57	<28,500	<5,700	9900	24	2200	10000	7500		16
2-Chloroethyl Vinyl Ether	<250	<1000	<250	<250	<5	<2,500	<500							
4-Methyl-2-Pentanone	<500	<2000	1160		<10	<5,000	<1,000	600	140		1400	340		<10000
Acetone	<5000	<20000	<5000	<5000	<100	<500	<10,000	43000	<200	<200	250000	49000	<20	<10000
Benzene	<250	<1000	<250	195	130	<2,500	<100	100	79	35	62	26	23	<500
Bromodichloromethane	<250	<1000	<250	<250	<5	<2,500	<500	<50	<5	<5	<20	<5	<0.5	<1000
Bromoform	<250	<1000	<250	<250	<5	<2,500	<500	<50	<5	<5	<20	<5	<0.5	<1000
Bromomethane								<100	<10	<10	<30	<10	<1	<1000
Carbon Tetrachloride	<250	<1000	<250	<250	<5	<2,500	<500	<50	<5	<5	<20	<5	<0.5	<500
Chlorobenzene	<250	<1000	<250	<250	<5	<2,500	<500	<50	<5	1.4	<20	<5	1.3	<500
Chloroethane	<250	<1000	<250	<250	<5	<2,500	<500	<50	<5	<5	<20	<5	0.63	<1000
Chloroform	<250	<1000	150	349	<5	<2,500	<500	79	82	30	76	30	16	<500
Chloromethane								<50	<5	<5	<20	<5	0.36	<1000
cis-1,2-Dichloroethene	2580	<1000	391	4500	<5	4,540	4,120	7600	6900	4700	6600	3300	1900	7700
cis-1,3-Dichloropropene	<250	<1000	<250	<250	6150	<2,500	<500	<50	<5	<5	<20	<5	<0.5	<500
Dibromochloromethane	<250	<1000	<250	<250	<5	<2,500	<500	<50	<5	<5	<20	<5	<0.5	<1000
Dibromomethane	<250	<1000	<250	<250	<5	<2,500	<500	<50	<5	<5	<20	<5	<0.5	<500
Dichlorodifluoromethane (Freon 12)	<250	<1000	<250	<250	<5	<2,500	<500	<50	<5	<5	<20	<5	<0.5	<1000

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well PS-INJ
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	11/11/99	12/28/99	1/17/00	2/28/00	9/22/00	10/24/01	2/12/02	6/11/03	9/18/03	12/19/03	3/31/04	6/17/04	9/15/04	12/13/04
Ethylbenzene	<250	<1000	390	1680	380	<2,500	<500	560	510	450	310	120	300	560
Methyl Ethyl Ketone (2-Butanone)	<20000	11500	11900	<5000	<100	<50,000	<10,000	3500	<200	<200	7600	3900	<20	<10000
Methylene Chloride	96700	17400	31700	294000	152000	37,700	57,900	73000	65000	30000	70000	33000	5900	44000
Styrene	<250	<1000	<250	101	79	<2,500	<500	48	<5	<5	<20	16	<0.5	<500
Tetrachloroethene	32200	30500	68700	58900	45000	20,300	7,000	95000	50000	66000	37000	9800	74000	520000
Toluene	8610	5930	11700	13700	12000	5,120	4,020	16000	8500	7400	7900	3000	7900	26000
trans-1,2-Dichloroethene	<250	<1000	<250	252	<5	<2,500	<500	93	66	39	140	23	35	<500
trans-1,3-Dichloropropene	<250	<1000	<250	<250	<5	<2,500	<500	<50	<5	<5	<20	<5	<0.5	<500
Trichloroethene	14600	5460	18900	23800	18600	11,700	24,100	25000	19000	19000	14000	8400	10000	41000
Trichlorofluoromethane	599	<1000	711	746	580	<2,500	<500	810	540	320	380	110	130	650
Vinyl Acetate	<2500	<10000	<2500	<2500	<50	<25,000	<5,000							<10000
Vinyl Chloride	<250	<1000	63	407	670	<2,500	<500	1100	910	510	810	340	29	<500
Xylenes (total)	718	<1000	1660	2310	1020	<2,500	<500	2400	2200	1900	1300	510	1900	3000
xylenes(m,p)		<1000												
xylenes(o)		<1000												

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

MCK0066926

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well PS-INJ
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	11/11/99	12/28/99	1/17/00	2/28/00	9/22/00	10/24/01	2/12/02	6/11/03	9/18/03	12/19/03	3/31/04	6/17/04	9/15/04	12/13/04
Ethylbenzene	<250	<1000	390	1680	380	<2,500	<500	560	510	450	310	120	300	560
Methyl Ethyl Ketone (2-Butanone)	<20000	11500	11900	<5000	<100	<50,000	<10,000	3500	<200	<200	7600	3900	<20	<10000
Methylene Chloride	96700	17400	31700	294000	152000	37,700	57,900	73000	65000	30000	70000	33000	5900	44000
Styrene	<250	<1000	<250	101	79	<2,500	<500	48	<5	<5	<20	16	<0.5	<500
Tetrachloroethene	32200	30500	68700	58900	45000	20,300	7,000	95000	50000	66000	37000	9800	74000	520000
Toluene	8610	5930	11700	13700	12000	5,120	4,020	16000	8500	7400	7900	3000	7900	26000
trans-1,2-Dichloroethene	<250	<1000	<250	252	<5	<2,500	<500	93	66	39	140	23	35	<500
trans-1,3-Dichloropropene	<250	<1000	<250	<250	<5	<2,500	<500	<50	<5	<5	<20	<5	<0.5	<500
Trichloroethene	14600	5460	18900	23800	18600	11,700	24,100	25000	19000	19000	14000	8400	10000	41000
Trichlorofluoromethane	599	<1000	711	746	580	<2,500	<500	810	540	320	380	110	130	650
Vinyl Acetate	<2500	<10000	<2500	<2500	<50	<25,000	<5,000							<10000
Vinyl Chloride	<250	<1000	63	407	670	<2,500	<500	1100	910	510	810	340	29	<500
Xylenes (total)	718	<1000	1660	2310	1020	<2,500	<500	2400	2200	1900	1300	510	1900	3000
xylenes(m,p)		<1000												
xylenes(o)		<1000												

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

MCK0066927

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well PS-INJ
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06	6/15/06	9/21/06
1,1,1-Trichloroethane	730000	350000	260000	210000	420000	200000	3600
1,1,2-Trichloro-2,2,2-Trifluoroethane	<20000	<20000	<3300	<3300	<3300	<2100	<98
1,1,2-Trichloroethane	<5000	<5000	<500	<500	<500	<900	<80
1,1-Dichloroethane	3600	2300	<1900	<1900	<1900	2000	350
1,1-Dichloroethene	71000	30000	25000	19000	31000	28000	340
1,2,3-Trichloropropane	<5000	<5000	<1400	<1400	<1400	<1200	<82
1,2-Dibromo-3-Chloropropane (DBCP)	<20000	<20000	<5000	<5000	<5000	<3800	<160
1,2-Dibromoethane (EDB)	<10000	<10000	<500	<500	<500	<1100	<76
1,2-Dichloroethane	5900	3800	2200	<1900	2300	1800	<66
1,2-Dichloropropane	<5000	<5000	<2000	<2000	<2000	<950	<80
1,4-Dichlorobenzene	<5000	<5000	<1600	<1600	<1600	<850	<74
1,4-Dioxane (P-Dioxane)	4300	260	1800	1800	7700	5800	91
2-Chloroethyl Vinyl Ether							
4-Methyl-2-Pentanone	<100000	<100000	<8000	<8000	<8000	<4800	<300
Acetone	290000	110000	67000	66000	80000	73000	850
Benzene	<5000	<5000	<1900	<1900	<1900	<900	<84
Bromodichloromethane	<10000	<10000	<1300	<1300	<1300	<950	<80
Bromoform	<10000	<10000	<4300	<4300	<4300	<750	<82
Bromomethane	<10000	<10000	<1800	<1800	<1800	<1400	<130
Carbon Tetrachloride	<5000	<5000	<1800	<1800	<1800	<1500	<96
Chlorobenzene	<5000	<5000	<500	<500	<500	<850	<72
Chloroethane	<10000	<10000	<1700	<1700	<1700	<1200	<92
Chloroform	<5000	<5000	<1800	<1800	<1800	<800	<80
Chloromethane	<10000	<10000	<1500	<1500	<1500	<1800	<80
cis-1,2-Dichloroethene	13000	7500	4600	4200	5400	5400	260
cis-1,3-Dichloropropene	<5000	<5000	<1300	<1300	<1300	<1100	<68
Dibromochloromethane	<10000	<10000	<650	<650	<650	<1200	<66
Dibromomethane	<5000	<5000	<1500	<1500	<1500	<1100	<78
Dichlorodifluoromethane (Freon 12)	<10000	<10000	<2200	<2200	<2200	<1900	<96

Historical Groundwater Analytical Data
Monitoring Well PS-INJ
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06	6/15/06	9/21/06
Ethylbenzene	<5000	<5000	<1100	<1100	<1100	<700	<82
Methyl Ethyl Ketone (2-Butanone)	<100000	<100000	<8500	<8500	<8500	<12000	<340
Methylene Chloride	370000	160000	110000	110000	130000	110000	790
Styrene	<5000	<5000	<1000	<1000	<1000	<700	<74
Tetrachloroethene	120000	120000	75000	57000	82000	60000	3900
Toluene	21000	20000	12000	9900	19000	10000	190
trans-1,2-Dichloroethene	<5000	<5000	<1800	<1800	<1800	<950	<86
trans-1,3-Dichloropropene	<5000	<5000	<550	<550	<550	<900	<78
Trichloroethene	42000	27000	22000	23000	33000	18000	450
Trichlorofluoromethane	<10000	<10000	<2400	<2400	<2400	<2800	<120
Vinyl Acetate	<100000	<100000	<11000	<11000	<11000	<2300	<180
Vinyl Chloride	<5000	<5000	1700	<1400	1500	<1400	<86
Xylenes (total)	<15000	<15000	<2000	<2000	3200	<2900	<220
xylenes(m,p)							
xylenes(o)							

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well PS-S1
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	11/11/99	12/28/99	1/17/00	2/28/00	9/22/00	10/24/01	2/11/02	6/11/03	9/18/03	12/19/03	3/31/04	6/17/04	9/15/04	12/13/04
1,1,1-Trichloroethane	499000	1060000	482000	940000	495000	155,000	697,000	580000						
1,1,2-Trichloro-2,2,2-Trifluoroethane	648	<1000	<250	473	700	<250	<500	280						
1,1,2-Trichloroethane	470	<1000	324	406	430	<250	<500	470						
1,1-Dichloroethane	2840	3550	2050	3600	1490	2,730	3,440	3400						
1,1-Dichloroethene	47300	26300	12600	60900	39700	52,000	<500	59000						
1,2,3-Trichloropropane	<250	<1000	<250	<250	<5	<250	<500	<100						
1,2-Dibromo-3-Chloropropane (DBCP)	<250	<1000	<250	<250	<5	<250	<500	<100						
1,2-Dibromoethane (EDB)	<250	<1000	<250	<250	<5	<250	<500	<50						
1,2-Dichloroethane	11000	12200	5100	13100	6270	8,830	9,020	6300						
1,2-Dichloropropane	<250	<1000	<250	<250	<5	<250	<500	<50						
1,4-Dichlorobenzene	<250	<1000	<250	<250	<5	<250	<500	<50						
1,4-Dioxane (P-Dioxane)	<2850	<11400	<2850	53800	<57	<2,850	<5,700	65000						
2-Chloroethyl Vinyl Ether	<250	<1000	<250	<250	<5	<250	<500							
4-Methyl-2-Pentanone	<500	5830	2110		<10	<250	3,690	3200.0						
Acetone	<5000	<20000	<5000	<5000	<100	<5,000	<10,000	280000						
Benzene	<250	<1000	<250	<250	150	177	<100	170						
Bromodichloromethane	<250	<1000	<250	<250	<5	<250	<500	<50						
Bromoform	<250	<1000	<250	<250	<5	<250	<500	<50						
Bromomethane								<100						
Carbon Tetrachloride	<250	<1000	<250	<250	<5	<250	<500	<50						
Chlorobenzene	<250	<1000	<250	<250	<5	<250	<500	<50						
Chloroethane	<250	<1000	<250	<250	<5	<250	<500	<50						
Chloroform	337	<1000	<250	362	<5	<250	<500	230						
Chloromethane								<50						
cis-1,2-Dichloroethene	2240	3300	<250	2380	3180	6,720	14,100	14000						
cis-1,3-Dichloropropene	<250	<1000	<250	<250	<5	<250	<500	<50						
Dibromochloromethane	<250	<1000	<250	<250	<5	<250	<500	<50						
Dibromomethane	<250	<1000	<250	<250	<5	<250	<500	<50						
Dichlorodifluoromethane (Freon 12)	<250	<1000	<250	<250	<5	<250	<500	<50						

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well PS-S1
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	11/11/99	12/28/99	1/17/00	2/28/00	9/22/00	10/24/01	2/11/02	6/11/03	9/18/03	12/19/03	3/31/04	6/17/04	9/15/04	12/13/04
Ethylbenzene	<250	<1000	380	1680	330	304	<500	300						
Methyl Ethyl Ketone (2-Butanone)	37000	26300	15600	34600 (Tr)	<100	<5,000	26,900	33000						
Methylene Chloride	560000	528000	45300	532000	242000	250,000	288,000	360000						
Styrene	<250	<1000	<250	<250	150	<250	<500	130						
Tetrachloroethene	43200	171000	84300	<250	44900	49,400	54,100	64000						
Toluene	12000	24600	16600	18700	12900	15,500	14,800	18000						
trans-1,2-Dichloroethene	<250	<1000	<250	<250	<5	<250	<500	280						
trans-1,3-Dichloropropene	<250	<1000	<250	<250	<5	<250	<500	<50						
Trichloroethene	27300	32000	24300	<250	22200	34,100	35,500	31000						
Trichlorofluoromethane	2120	<1000	805	1840	1390	<250	1,140	1500						
Vinyl Acetate	<2500	<10000	<2500	<2500	<50	<2,500	<5,000							
Vinyl Chloride	<250	<1000	1020	520	430	660	1,050	1900						
Xylenes (total)	958	2658	1860	2490	900	688	1,040	1300						

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well PS-S1
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06	6/14/06	9/22/06
1,1,1-Trichloroethane						670000	730000
1,1,2-Trichloro-2,2,2-Trifluoroethane						<420	<9800
1,1,2-Trichloroethane						550	<8000
1,1-Dichloroethane						3600	<7000
1,1-Dichloroethene						97000	110000
1,2,3-Trichloropropane						<240	<8200
1,2-Dibromo-3-Chloropropane (DBCP)						<760	<16000
1,2-Dibromoethane (EDB)						<210	<7600
1,2-Dichloroethane						11000	14000
1,2-Dichloropropane						<190	<8000
1,4-Dichlorobenzene						<170	<7400
1,4-Dioxane (P-Dioxane)						19000	15000
2-Chloroethyl Vinyl Ether							
4-Methyl-2-Pentanone						5800	<30000
Acetone						570000	840000
Benzene						260	<8400
Bromodichloromethane						<190	<8000
Bromoform						<150	<8200
Bromomethane						<270	<13000
Carbon Tetrachloride						<290	<9600
Chlorobenzene						<170	<7200
Chloroethane						<230	<9200
Chloroform						400	<8000
Chloromethane						<360	<8000
cis-1,2-Dichloroethene						11000	20000
cis-1,3-Dichloropropene						<210	<6800
Dibromochloromethane						<230	<6600
Dibromomethane						<220	<7800
Dichlorodifluoromethane (Freon 12)						<370	<9600

Historical Groundwater Analytical Data
Monitoring Well PS-S1
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06	6/14/06	9/22/06
Ethylbenzene						330	<8200
Methyl Ethyl Ketone (2-Butanone)						71000	82000
Methylene Chloride						1100000	970000
Styrene						<140	<7400
Tetrachloroethene						83000	110000
Toluene						21000	26000
trans-1,2-Dichloroethene						230	<8600
trans-1,3-Dichloropropene						<180	<7800
Trichloroethene						40000	55000
Trichlorofluoromethane						1200	<12000
Vinyl Acetate						<460	<18000
Vinyl Chloride						3100	<8600
Xylenes (total)						1200	<22000

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well PS-S2
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	11/11/99	12/28/99	1/17/00	2/28/00	9/22/00	10/24/01	2/11/02	6/11/03	9/18/03	12/19/03	3/31/04	6/17/04	9/15/04	12/13/04
1,1,1-Trichloroethane	449000	1110000	670000	812000	511000	150,000	539,000	510000						
1,1,2-Trichloro-2,2,2-Trifluoroethane	644	<1000	<50	1620	670	<250	<500	150						
1,1,2-Trichloroethane	<250	<1000	<50	417	<5	<250	<500	470						
1,1-Dichloroethane	2460	2140	2290	3590	3280	3,750	3,610	4700						
1,1-Dichloroethene	38600	78700	37800	90000	60100	55,600	37,700	71000						
1,2,3-Trichloropropane	<250	<1000	<50	<250	<5	<250	<500	<100						
1,2-Dibromo-3-Chloropropane (DBCP)	<250	<1000	<50	<250	<5	<250	<500	<100						
1,2-Dibromoethane (EDB)	<250	<1000	<50	<250	<5	<250	<500	<50						
1,2-Dichloroethane	9610	<1000	8880	15400	10900	16,500	16,200	9400						
1,2-Dichloropropane	<250	<1000	<50	<250	<5	<250	<500	<50						
1,4-Dichlorobenzene	<250	<1000	<50	<250	<5	<250	<500	<50						
1,4-Dioxane (P-Dioxane)	<2850	<11400	<570	<2850	<57	<2,850	<5,700	12000						
2-Chloroethyl Vinyl Ether	<250	<1000	<50	<250	<5	<250	<500							
4-Methyl-2-Pentanone	<500	9640	5740		<10	<500	7,070	5400.0						
Acetone	<5000	<20000	<1000	<5000	<100	<5,000	<10,000	180000						
Benzene	<250	<1000	<50	<250	200	<50	<100	170						
Bromodichloromethane	<250	<1000	<50	<250	<5	<250	<500	<50						
Bromoform	<250	<1000	<50	<250	<5	<250	<500	<50						
Bromomethane								<100						
Carbon Tetrachloride	<250	<1000	<50	<250	<5	<250	<500	<50						
Chlorobenzene	<250	<1000	<50	<250	<5	<250	<500	<50						
Chloroethane	<250	<1000	<50	<250	<5	<250	<500	<50						
Chloroform	295	<1000	<50	450	<5	395	<500	330						
Chloromethane								<50						
cis-1,2-Dichloroethene	1490	<1000	<500	2300	8450	3,700	6,740	10000						
cis-1,3-Dichloropropene	<250	<1000	<50	<250	<5	<250	<500	<50						
Dibromochloromethane	<250	<1000	<50	<250	<5	<250	<500	<50						
Dibromomethane	<250	<1000	<50	<250	<5	<250	<500	<50						
Dichlorodifluoromethane (Freon 12)	<250	<1000	<50	<250	<5	<250	<500	<50						

MCK0066934

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well PS-S2
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	11/11/99	12/28/99	1/17/00	2/28/00	9/22/00	10/24/01	2/11/02	6/11/03	9/18/03	12/19/03	3/31/04	6/17/04	9/15/04	12/13/04
Ethylbenzene	<250	<1000	242 (Tr)	1130	280	260	<500	240						
Methyl Ethyl Ketone (2-Butanone)	40000	<20000	52600 (Tr	54700 (Tr	<100	<5,000	40,900	25000						
Methylene Chloride	800000	1110000	855000	892000	600000	426,000	479,000	540000						
Styrene	<250	<1000	<50	<250	120	<250	<500	110						
Tetrachloroethene	39500	116000	74300	<250	38800	42,000	46,800	60000						
Toluene	12100	18000	15900	16600	12900	12,800	11,400	16000						
trans-1,2-Dichloroethene	<250	<1000	<50	332	<5	<250	<500	<50						
trans-1,3-Dichloropropene	<250	<1000	<50	<250	<5	<250	<500	<50						
Trichloroethene	23700	31400	32000	33700	25200	31,800	33,200	33000						
Trichlorofluoromethane	1930	<1000	<50	1910	1280	<250	<500	1100						
Vinyl Acetate	<2500	<10000	<500	<2500	<50	<2,500	<5,000							
Vinyl Chloride	<250	<1000	364	530	460	540	558	930						
Xylenes (total)	913	1560	1340	1640	770	536	<500	1100						

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well PS-S2
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06	6/15/06	9/22/06
1,1,1-Trichloroethane						640000	570000
1,1,2-Trichloro-2,2,2-Trifluoroethane						<420	<4900
1,1,2-Trichloroethane						570	<4000
1,1-Dichloroethane						7200	8100
1,1-Dichloroethene						150000	140000
1,2,3-Trichloropropane						<240	<4100
1,2-Dibromo-3-Chloropropane (DBCP)						<760	<7600
1,2-Dibromoethane (EDB)						<210	<3800
1,2-Dichloroethane						13000	14000
1,2-Dichloropropane						<190	<4000
1,4-Dichlorobenzene						<170	<3700
1,4-Dioxane (P-Dioxane)						24000	13000
2-Chloroethyl Vinyl Ether							
4-Methyl-2-Pentanone						5600	<15000
Acetone						490000	730000
Benzene						360	<4200
Bromodichloromethane						<190	<4000
Bromoform						<150	<4100
Bromomethane						<270	<6100
Carbon Tetrachloride						<290	<4800
Chlorobenzene						<170	<3600
Chloroethane						<230	<4600
Chloroform						440	<4000
Chloromethane						<360	<4000
cis-1,2-Dichloroethene						20000	24000
cis-1,3-Dichloropropene						<210	<3400
Dibromochloromethane						<230	<3300
Dibromomethane						<220	<3900
Dichlorodifluoromethane (Freon 12)						<370	<4800

Historical Groundwater Analytical Data
Monitoring Well PS-S2
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/11/05	6/8/05	9/21/05	12/14/05	3/9/06	6/15/06	9/22/06
Ethylbenzene						310	<4100
Methyl Ethyl Ketone (2-Butanone)						62000	72000
Methylene Chloride						680000	630000
Styrene						<140	<3700
Tetrachloroethene						85000	85000
Toluene						25000	21000
trans-1,2-Dichloroethene						200	<4300
trans-1,3-Dichloropropene						<180	<3900
Trichloroethene						45000	45000
Trichlorofluoromethane						1700	<6000
Vinyl Acetate						<460	<9000
Vinyl Chloride						2400	<4300
Xylenes (total)						1200	<11000

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well PIMW-01
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/25/86
1,1,1-Trichloroethane	880000
1,1,2-Trichloro-2,2,2-Trifluoroethane	500
1,1,2-Trichloroethane	<500
1,1-Dichloroethane	2500
1,1-Dichloroethene	32000
1,2-Dichloroethane	<500
1,2-Dichloropropane	<500
1,4-Dichlorobenzene	<1500
2-Chloroethyl Vinyl Ether	<500
Acetone	430000
Benzene	<500
Bromodichloromethane	<500
Bromoform	<500
Bromomethane	<500
Carbon Tetrachloride	<500
Chlorobenzene	<500
Chloroethane	<500
Chloroform	<500
Chloromethane	<500
Dibromochloromethane	<500
Ethylbenzene	<1000
Methyl Ethyl Ketone (2-Butanone)	210000
Methylene Chloride	430000
Tetrachloroethene	110000
Toluene	18000
trans-1,2-Dichloroethene	<500
Trichloroethene	4500
Vinyl Chloride	<500

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

MCK0066938

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well PIMW-03
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/25/86
1,1,1-Trichloroethane	220000
1,1,2-Trichloroethane	<500
1,1-Dichloroethane	<500
1,1-Dichloroethene	7500
1,2-Dichloroethane	<500
1,2-Dichloropropane	<500
1,4-Dichlorobenzene	<1500
2-Chloroethyl Vinyl Ether	<500
Acetone	23000
Benzene	<500
Bromodichloromethane	<500
Bromoform	<500
Bromomethane	<500
Carbon Tetrachloride	<500
Chlorobenzene	<500
Chloroethane	<500
Chloroform	<500
Chloromethane	<500
Dibromochloromethane	<500
Ethylbenzene	<1000
Methyl Ethyl Ketone (2-Butanone)	<5000
Methylene Chloride	67000
Tetrachloroethene	22000
Toluene	<500
trans-1,2-Dichloroethene	<500
Trichloroethene	1500
Vinyl Chloride	<500

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

Geosyntec consultants

Historical Groundwater Analytical Data
Monitoring Well PIMW-04
Former McKesson Chemical Company
Santa Fe Springs, California

Date Sampled	3/25/86
1,1,1-Trichloroethane	740000
1,1,2-Trichloroethane	<500
1,1-Dichloroethane	5000
1,1-Dichloroethene	34000
1,2-Dichloroethane	11000
1,2-Dichloropropane	<500
1,4-Dichlorobenzene	<1500
2-Chloroethyl Vinyl Ether	<500
Acetone	160000
Benzene	<500
Bromodichloromethane	<500
Bromoform	<500
Bromomethane	<500
Carbon Tetrachloride	<500
Chlorobenzene	<500
Chloroethane	<500
Chloroform	<500
Chloromethane	<500
Dibromochloromethane	<500
Ethylbenzene	<1000
Methyl Ethyl Ketone (2-Butanone)	<5000
Methylene Chloride	730000
Tetrachloroethene	96000
Toluene	38000
trans-1,2-Dichloroethene	<500
Trichloroethene	31000
Vinyl Chloride	<500

Notes:

Values reported as micrograms per liter (ug/L) unless otherwise noted.

Tr - Trace concentrations estimated by laboratory.

Blank spaces indicate constituent not analyzed.

MCK0066940

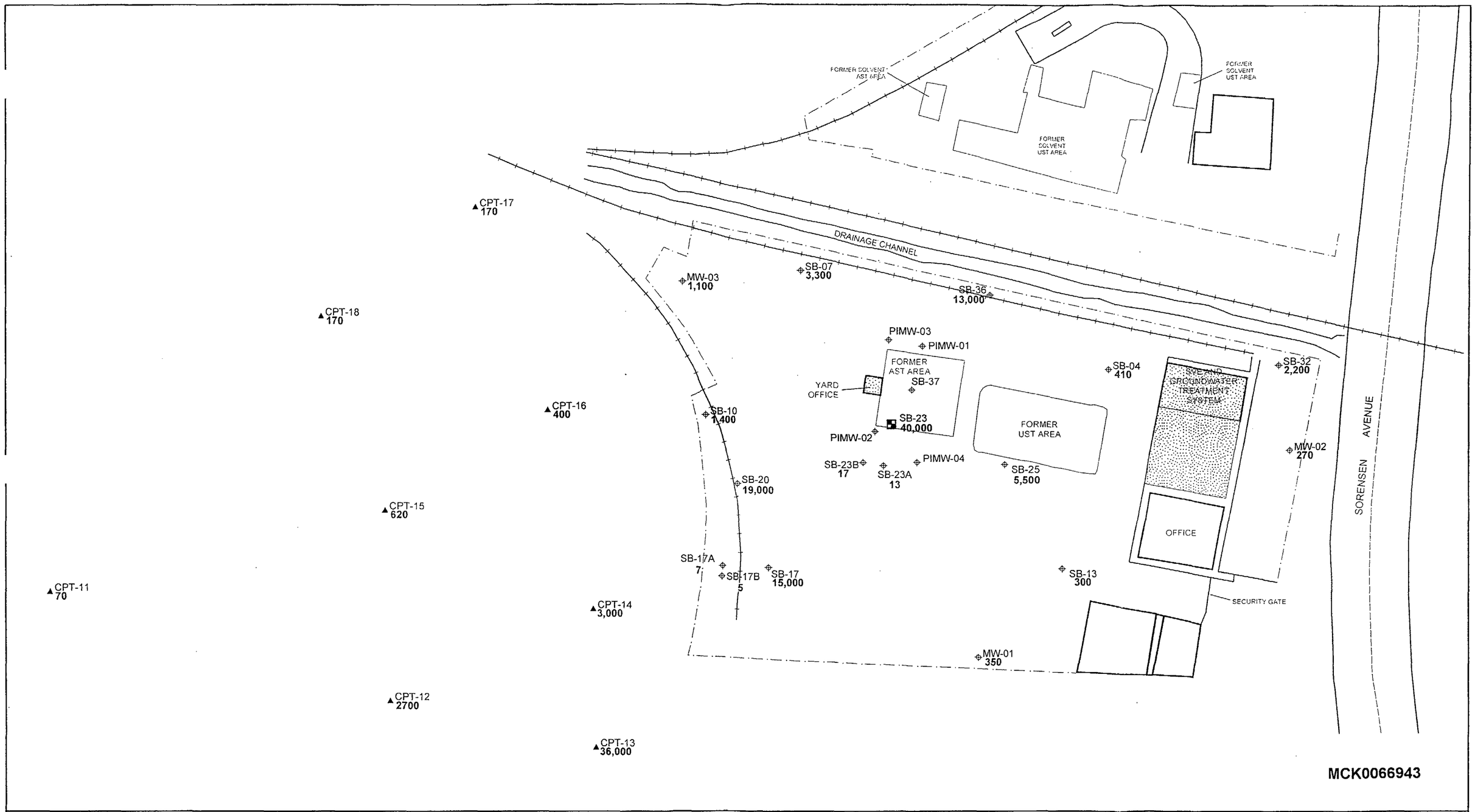
Appendix D

MCK0066941

Geosyntec
consultants

APPENDIX D

Distribution of VOCs in Site Groundwater



MCK0066943

Legend

- MW-01 350 — Sample Location Name / PCE Concentration (ug/L)
- Groundwater Monitoring Well
- CPT Location
- Groundwater Extraction Well
- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

NOTES:
1. PCE = Tetrachloroethene
2. ug/L = micrograms per liter
3. Base map adapted from site plans prepared by Geomatrix (1991)

0 25 50 Feet

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Project No. HA0620-15

Document No.

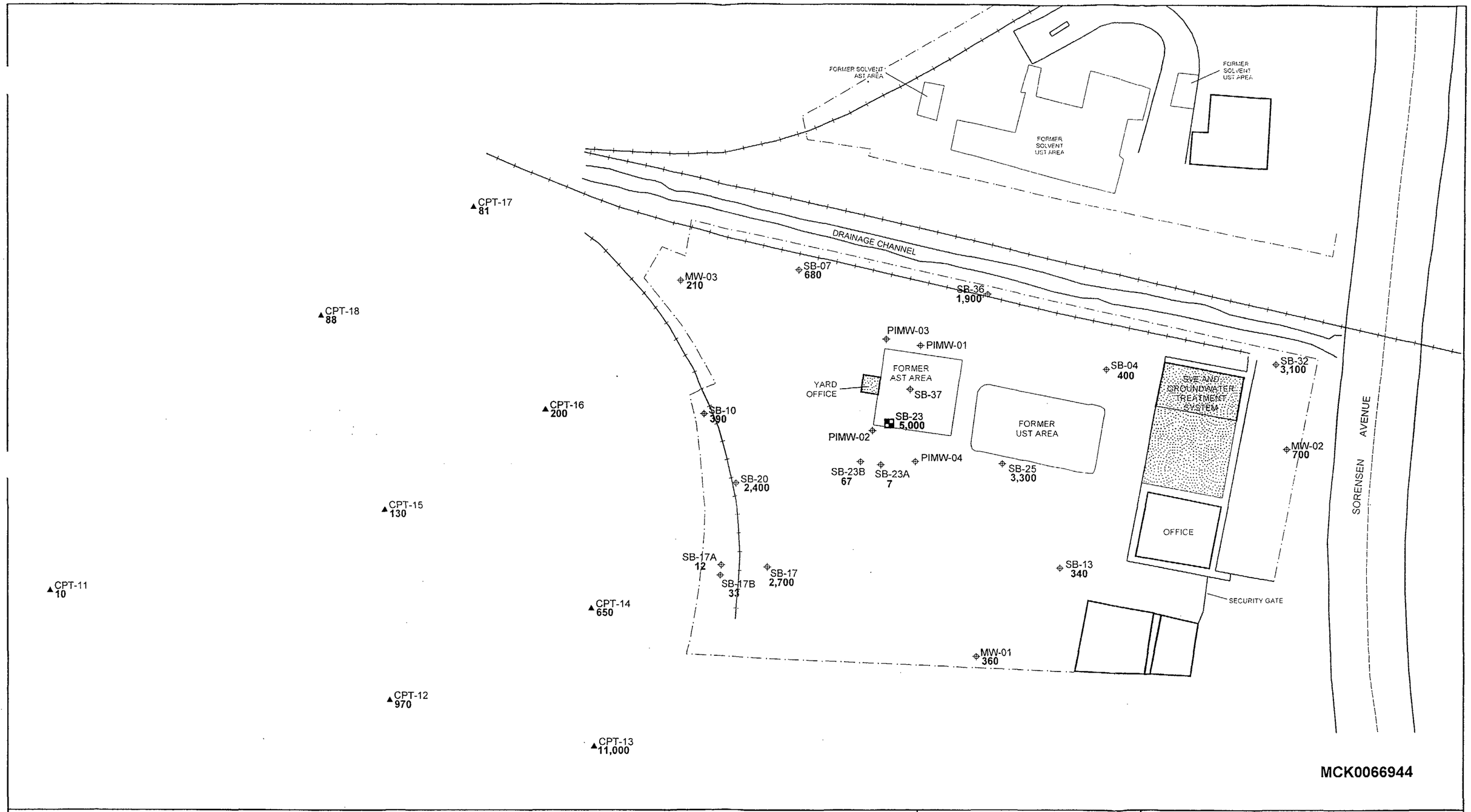
February 2007

Figure D-1

PCE Concentration (ug/L) in Groundwater - February - October 1991

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\GW_PCE_1991.mxd



MCK0066944

Legend

MW-01 360 — Sample Location Name / TCE Concentration (ug/L)

Groundwater Monitoring Well

CPT Location

Groundwater Extraction Well

NOTES:
1. TCE = Trichloroethene
2. ug/L = micrograms per liter
3. Base map adapted from site plans prepared by Geomatrix (1991)

Concrete Surfacing

Building

Cyclone Fence

Railroad Track

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

Document No.

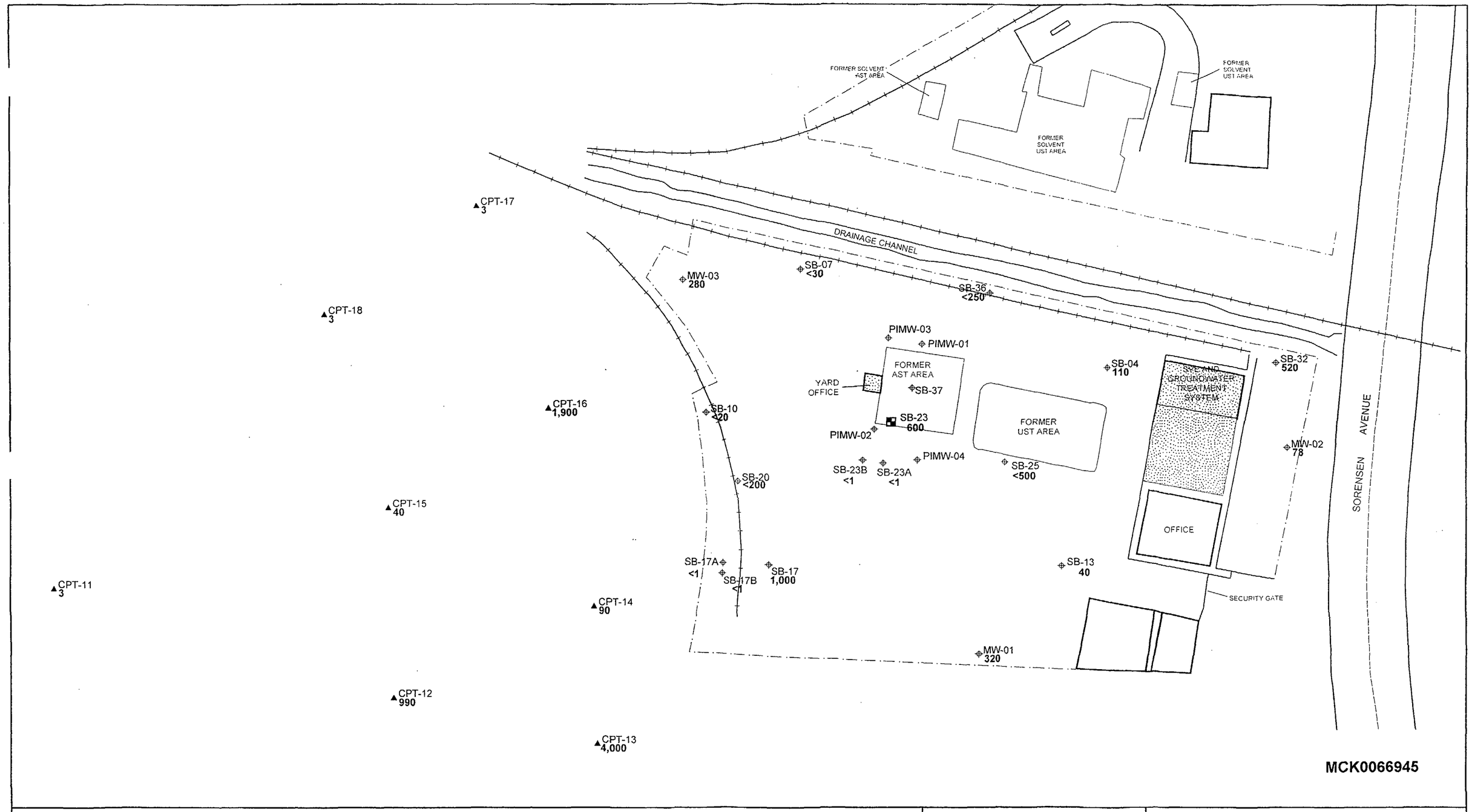
February 2007

Figure D-2

TCE Concentration (ug/L) in Groundwater - February - October 1991

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\GW_TCE_1991.mxd



MCK0066945

Legend

- MW-01 320 — Sample Location Name; cis-1,2-DCE Concentration (ug/L)
- Groundwater Monitoring Well
- CPT Location
- Groundwater Extraction Well
- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

NOTES:
1. cis-1,2-DCE = cis-1,2-Dichloroethene
2. ug/L = micrograms per liter
3. Base map adapted from site plans prepared by Geomatrix (1991)

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

Document No.

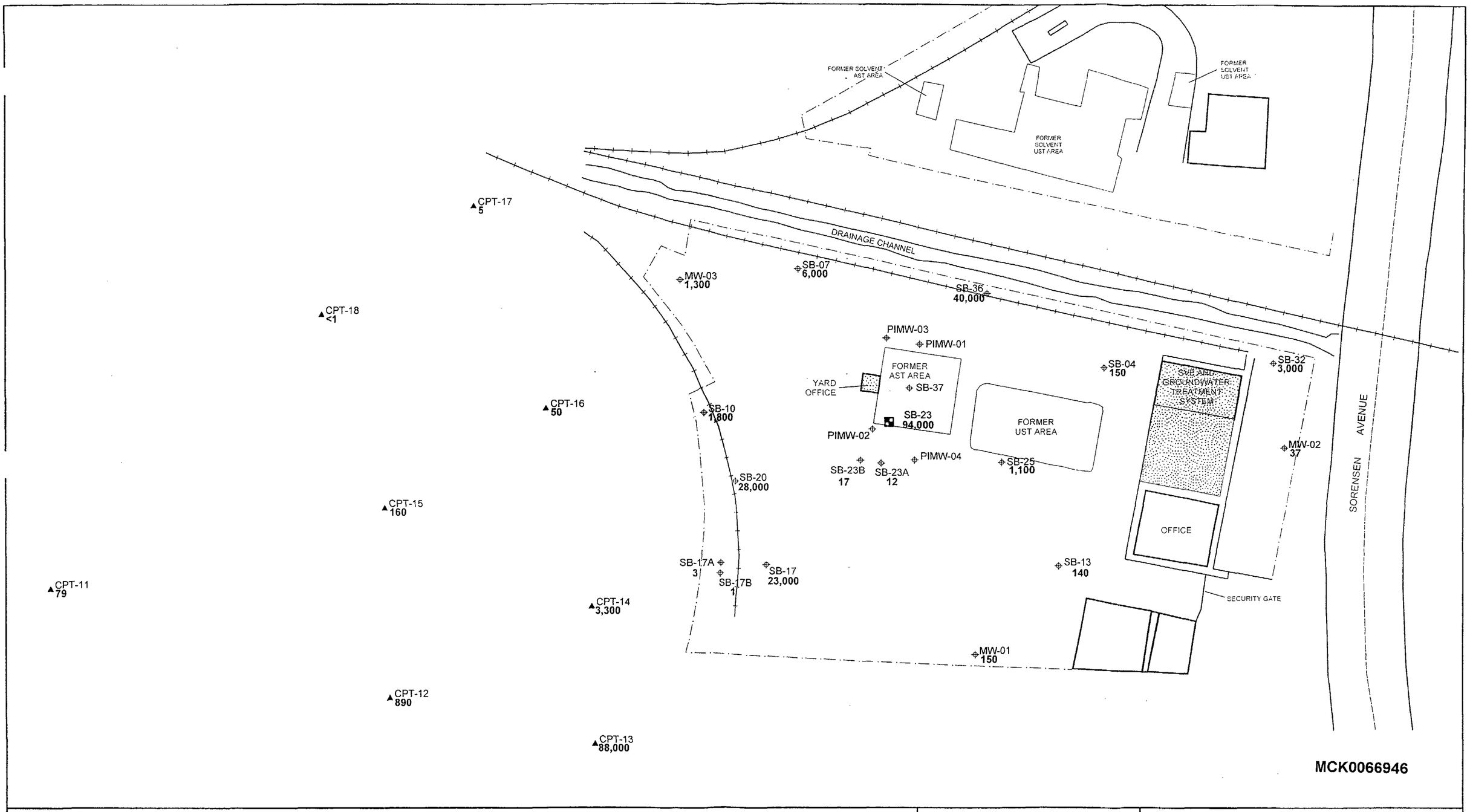
February 2007

Figure D-3

cis-1,2-DCE Concentration (ug/L) in Groundwater - February - October 1991

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\GW_DCE12C_1991.mxd



Legend

MW-01 150 — Sample Location Name; 1,1,1-TCA Concentration (ug/L)

Groundwater Monitoring Well

CPT Location

Groundwater Extraction Well

NOTES:
1. 1,1,1-TCA = 1,1,1-Trichloroethane
2. ug/L = micrograms per liter
3. Base map adapted from site plans prepared by Geomatrix (1991)

Concrete Surfacing

Building

Cyclone Fence

Railroad Track

N

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

Document No.

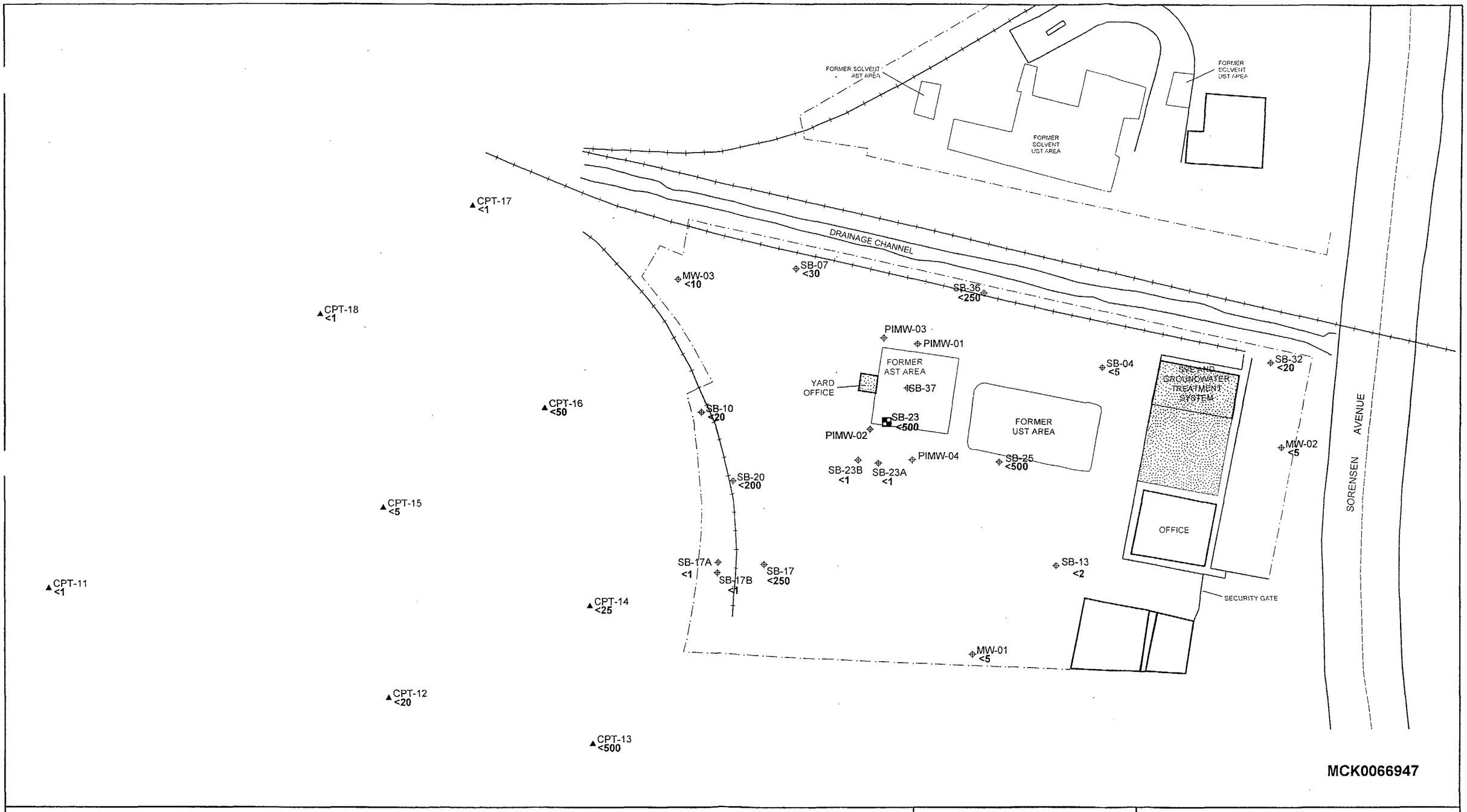
February 2007

Figure D-4

1,1,1-TCA Concentration (ug/L) in Groundwater - February - October 1991

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\GW_TCA111_1991.mxd



Legend

MW-01 <5 — Sample Location Name, Vinyl Chloride Concentration (ug/L)

Groundwater Monitoring Well

CPT Location

Groundwater Extraction Well

NOTES:
1. ug/L = micrograms per liter
2. Base map adapted from site plans prepared by Geomatrix (1991)

Concrete Surfacing

Building

Cyclone Fence

Railroad Track

N

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

Document No.

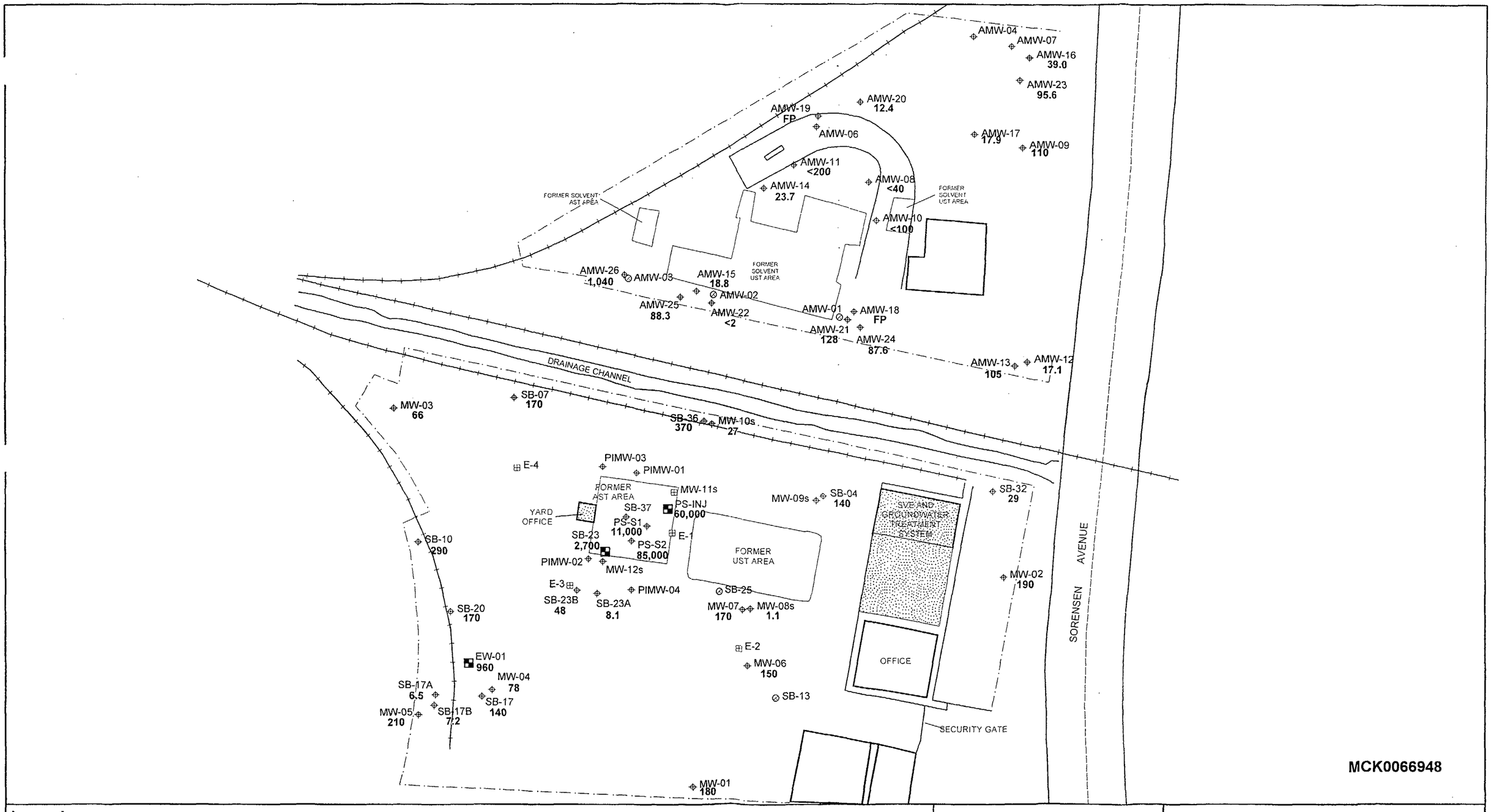
February 2007

Figure D-5

Vinyl Chloride Concentration (ug/L) in Groundwater - February - October 1991

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\GW_VC_1991.mxd



Legend

MW-01 180	Sample Location Name / PCE Concentration (ug/L)
	Groundwater Monitoring Well
	Groundwater Extraction Well
	Vapor Extraction Well
	Abandoned Well
	Concrete Surfacing
	Building
	Cyclone Fence
	Railroad Track

NOTES:
1. PCE = Tetrachloroethene
2. ug/L = micrograms per liter
3. FP = Free Product
4. Base map adapted from site plans prepared by Geomatrix (1991)

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

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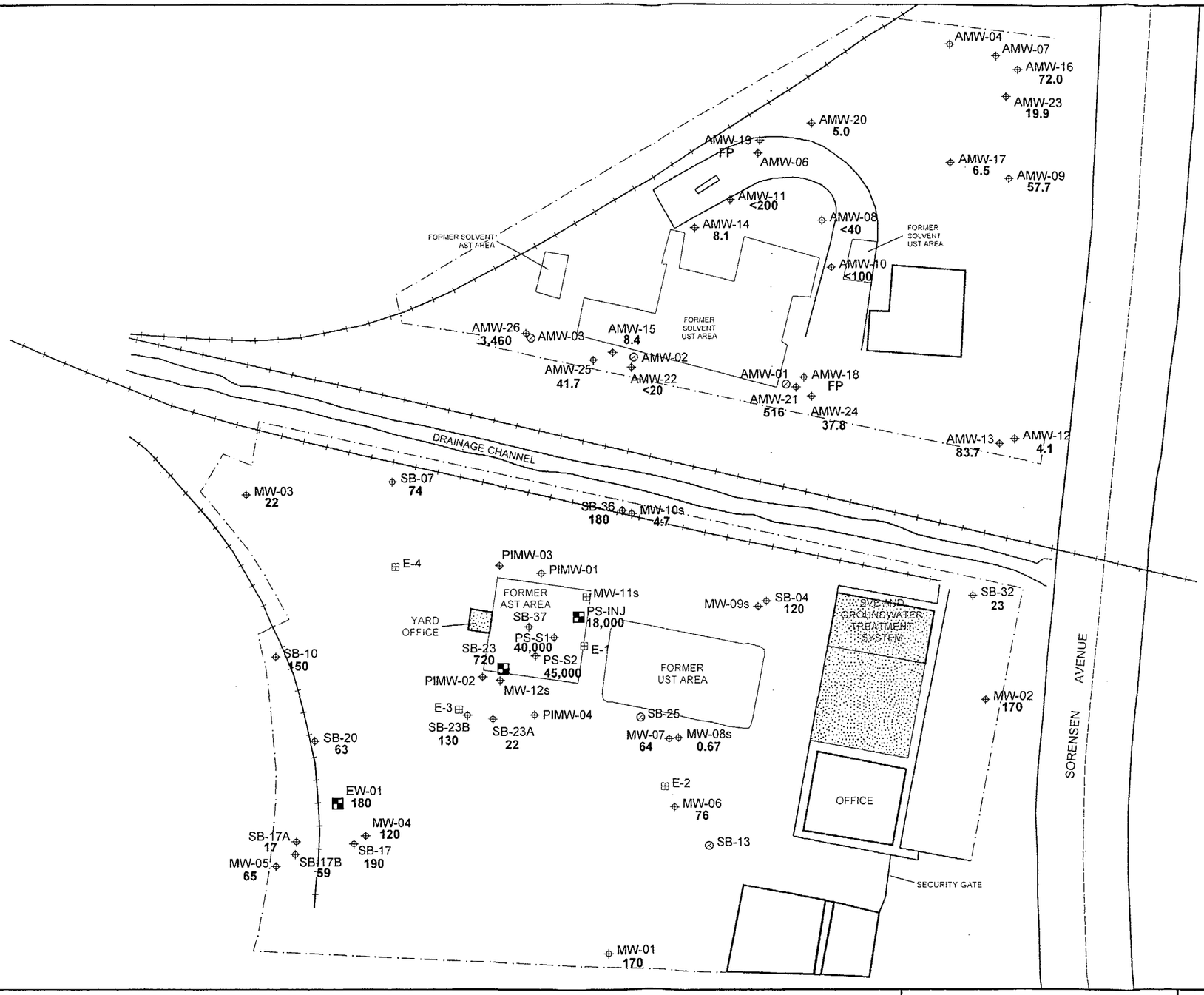
Figure D-6

PCE Concentration (ug/L) in Groundwater - June 2006

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\GW_PCE_2006.mxd



MCK0066949

Legend

MW-01 170 — Sample Location Name / TCE Concentration (ug/L)

- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well

NOTES:
1. TCE = Trichloroethene
2. ug/L = micrograms per liter
3. FP = Free Product
4. Base map adapted from site plans prepared by Geomatrix (1991)

- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

N

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

Document No.

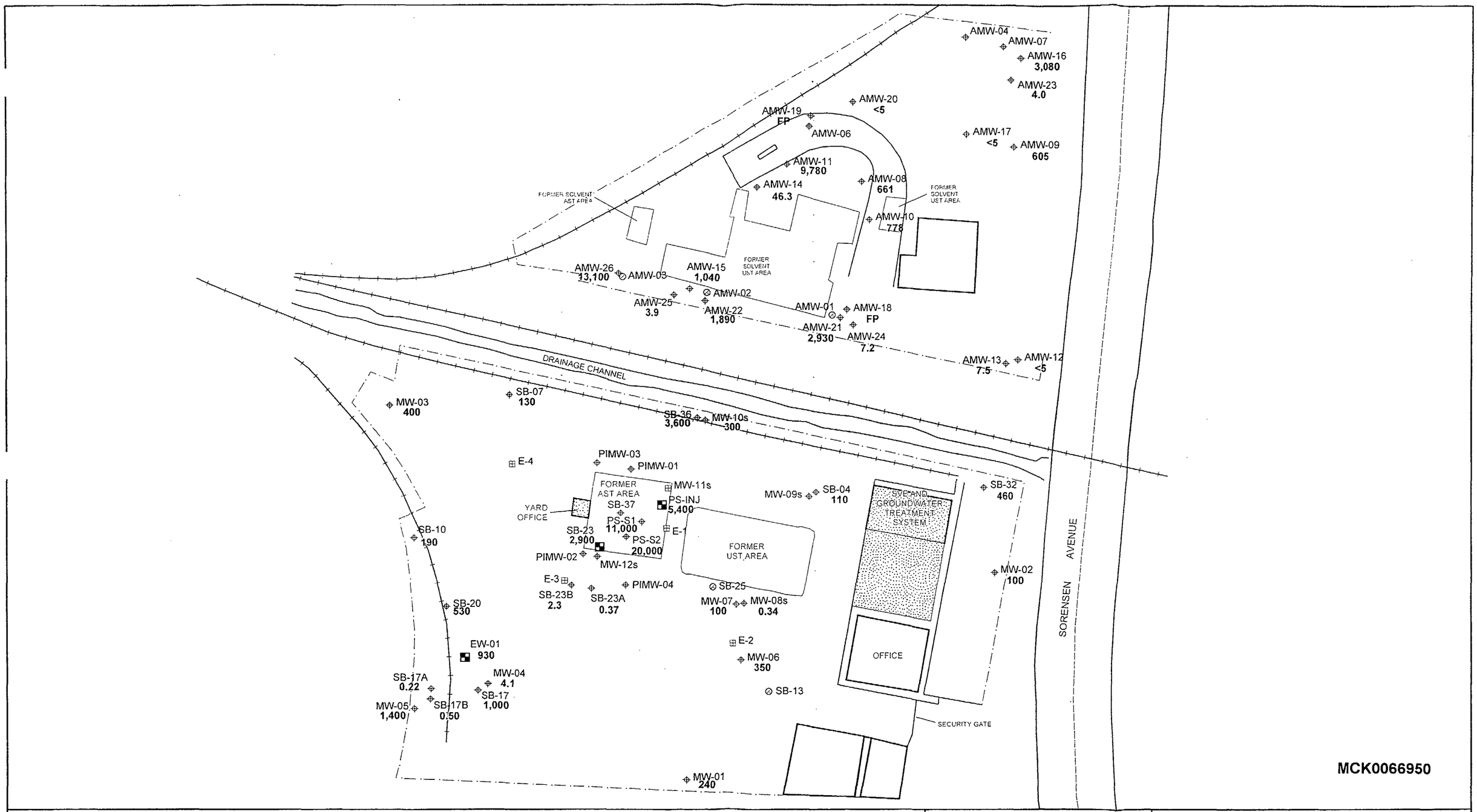
February 2007

Figure D-7

TCE Concentration (ug/L) in Groundwater - June 2006

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\GW_TCE_2006.mxd



Legend

MW-01 240	Sample Location Name cis-1,2-DCE Concentration (ug/L)
	Groundwater Monitoring Well
	Groundwater Extraction Well
	Vapor Extraction Well
	Abandoned Well
	Concrete Surfacing
	Building
	Cyclone Fence
	Railroad Track

NOTES:
1. cis-1,2-DCE = cis-1,2-Dichloroethene
2. ug/L = micrograms per liter
3. FP = Free Product
4. Base map adapted from site plans prepared by Geomatrix (1991)

N

0 25 50 Feet

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Document No.

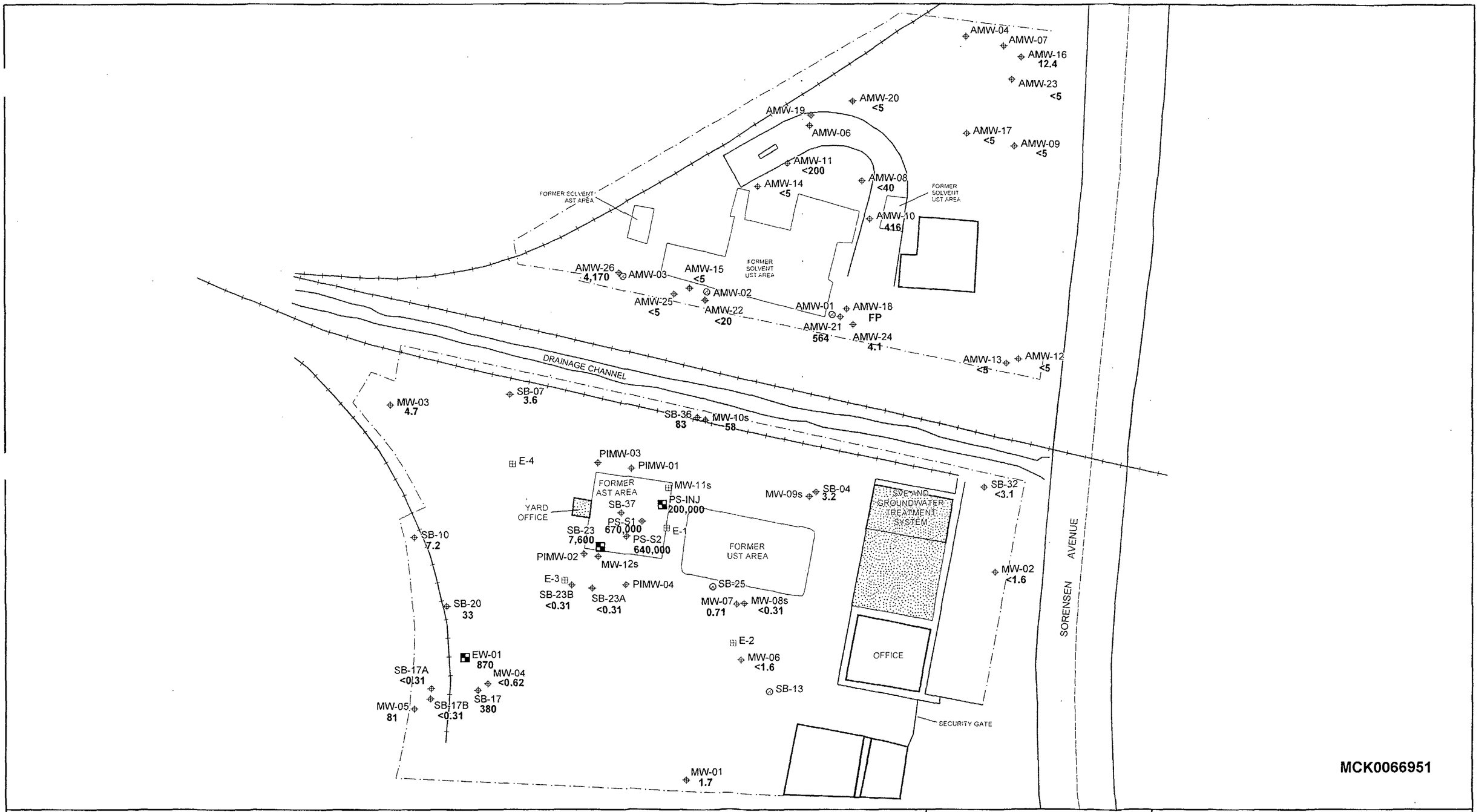
February 2007

Figure D-8

cis-1,2-DCE Concentration (ug/L) in Groundwater - June 2006

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\GW_DCE12C_2006.mxd



Legend

MW-01 1.7 — Sample Location Name; 1,1,1-TCA Concentration (ug/L)

- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well

NOTES:
1. 1,1,1-TCA = 1,1,1-Trichloroethane
2. ug/L = micrograms per liter
3. FP = Free Product
4. Base map adapted from site plans prepared by Geomatrix (1991)

- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

N

0 25 50 Feet

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Project No. HA0620-15

Document No.

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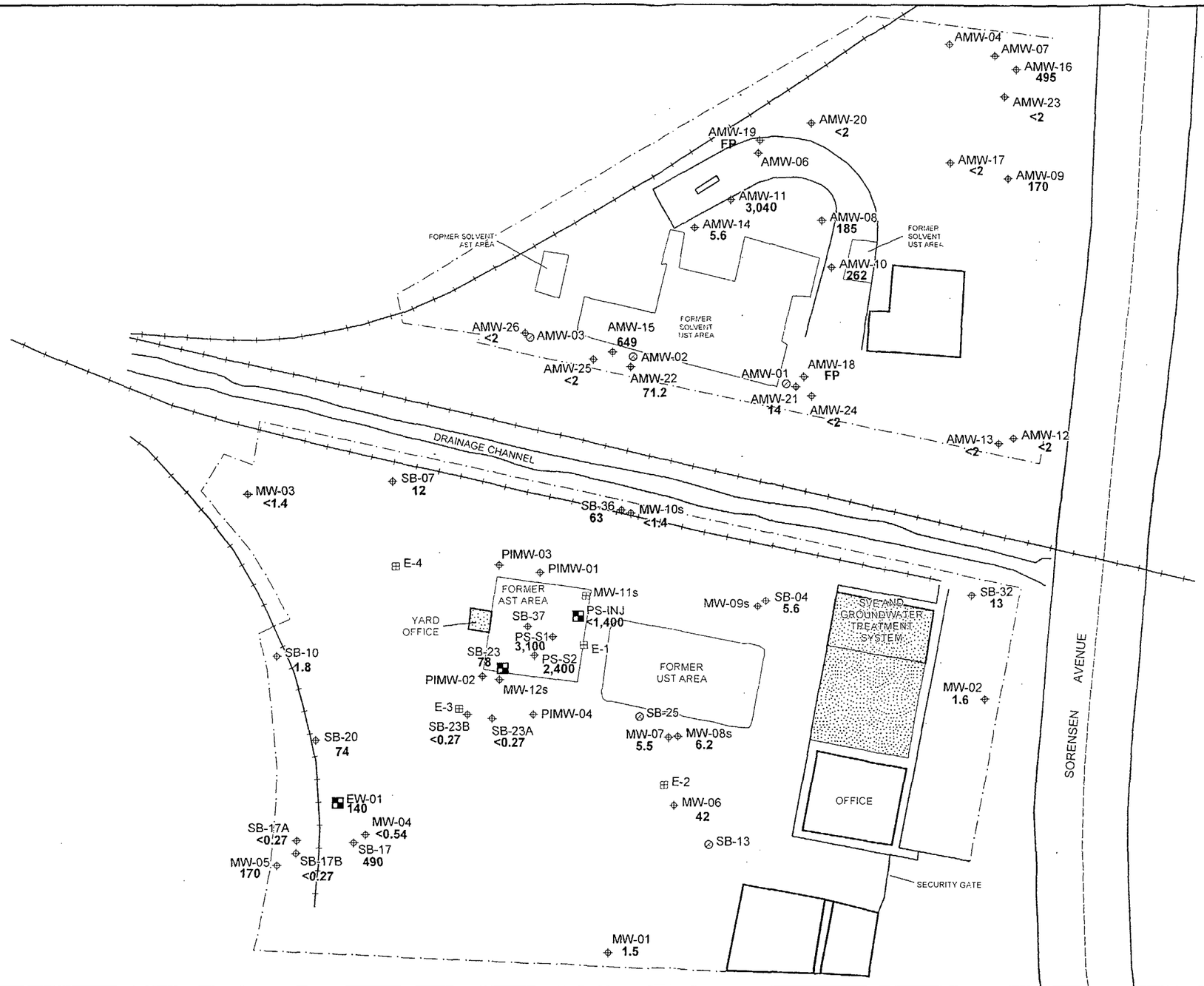
Figure D-9

1,1,1-TCA Concentration (ug/L) in Groundwater - June 2006

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\GW_TCA111_2006.mxd



MCK0066952

Legend

MW-01 1.5	Sample Location Name Vinyl Chloride Concentration (ug/L)
	Groundwater Monitoring Well
	Groundwater Extraction Well
	Vapor Extraction Well
	Abandoned Well

NOTES:
1. ug/L = micrograms per liter
2. FP = Free Product
3. Base map adapted from site plans prepared by Geomatrix (1991)

Concrete Surfacing
Building
Cyclone Fence
Railroad Track

N

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

Document No.

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Figure D-10

Vinyl Cloride Concentration (ug/L) in Groundwater - June 2006

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007FebYR\GW_VC_2006.mxd

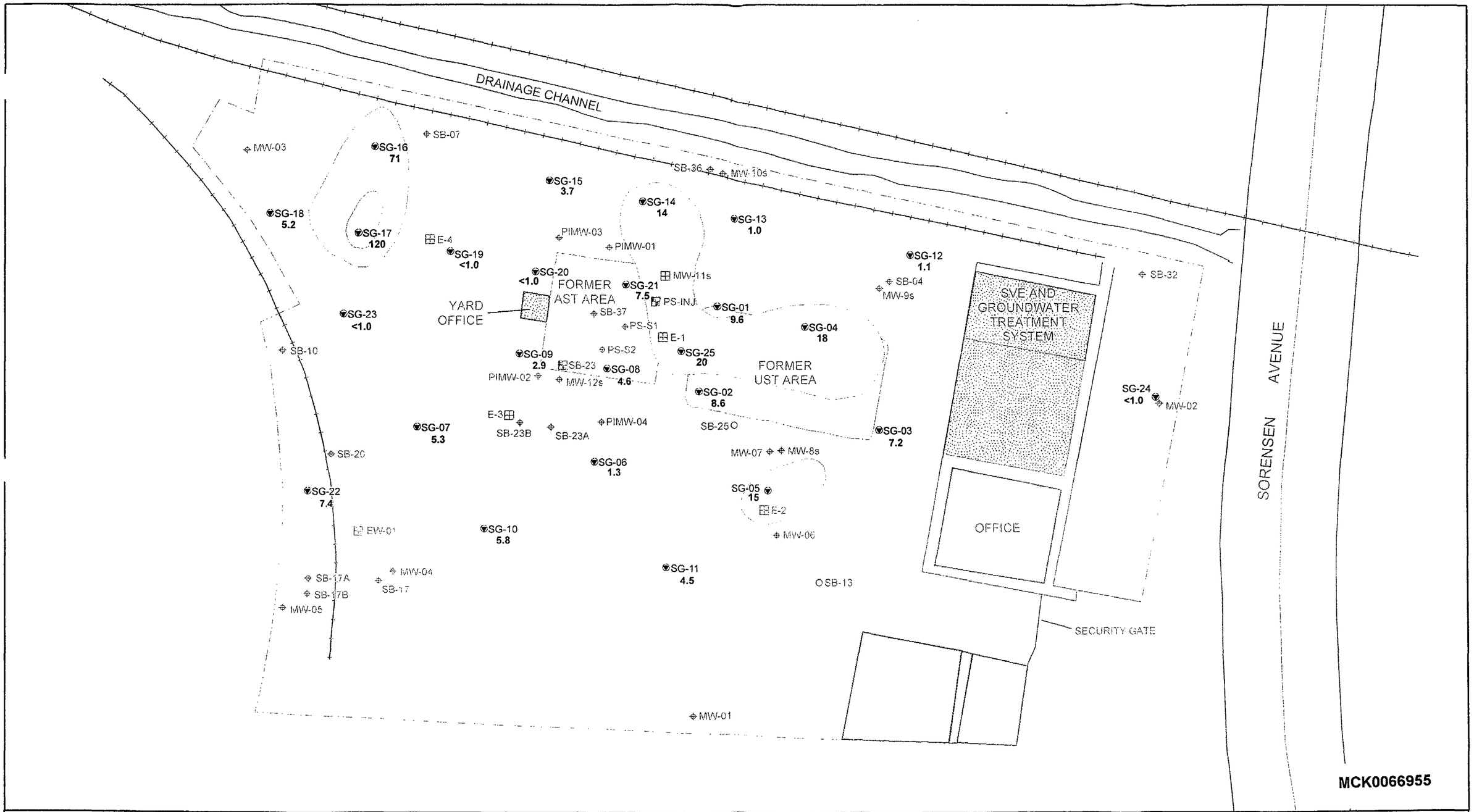
Appendix E

MCK0066953

Geosyntec
consultants

APPENDIX E

Distribution of VOCs in Site Soil Gas



Legend

Interpreted PCE Concentration in Soil Gas (ug/L) at 5 ft bgs

- >10 ug/L
- >100 ug/L

SG-10 / 5.8 — Sample Location Name / PCE Concentration (ug/L) (Geosyntec, 2001)

- Soil Gas Sample Location
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well

NOTES:
1. *PCE = Tetrachloroethene*
2. ft bgs = feet below ground surface
3. ug/L = micrograms per liter
4. Base map adapted from site plans prepared by Geomatrix (2001)

- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

N

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

Document No.

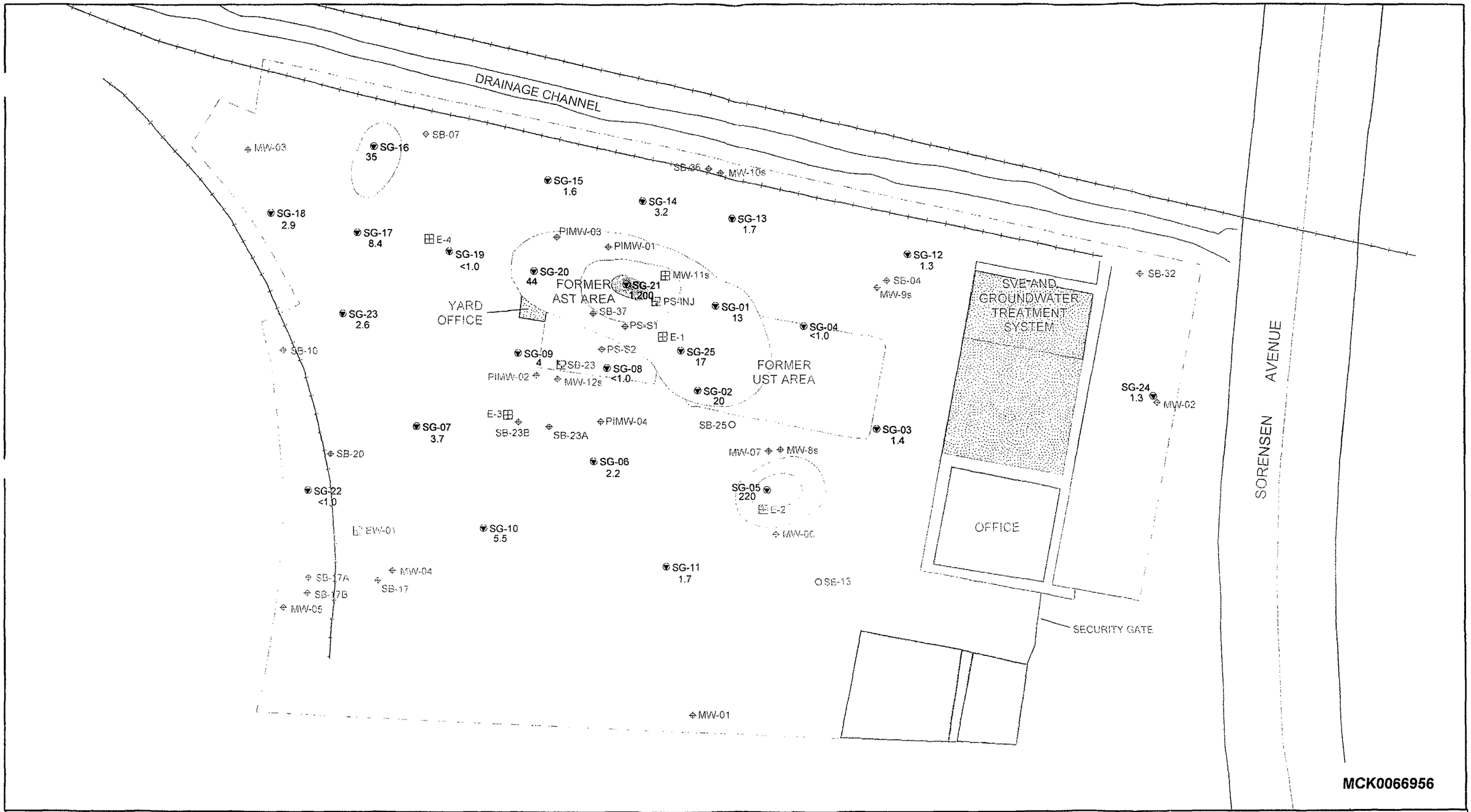
February 2007

Figure E-1

PCE (ug/L) in Soil Gas at 5 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\SG_PCE05.mxd



Legend

Interpreted PCE Concentration in Soil Gas (ug/L) at 10 ft bgs

- >10 ug/L
- >100 ug/L
- >1,000 ug/L

SG-10 5.5 — Sample Location Name, PCE Concentration (ug/L) (Geosyntec, 2001)

- Soil Gas Sample Location
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well

NOTES:
1. PCE = Tetrachloroethene
2. ft bgs = feet below ground surface
3. ug/L = micrograms per liter
4. Base map adapted from site plans prepared by Geomatrix (2001)

- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

N

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

Document No.

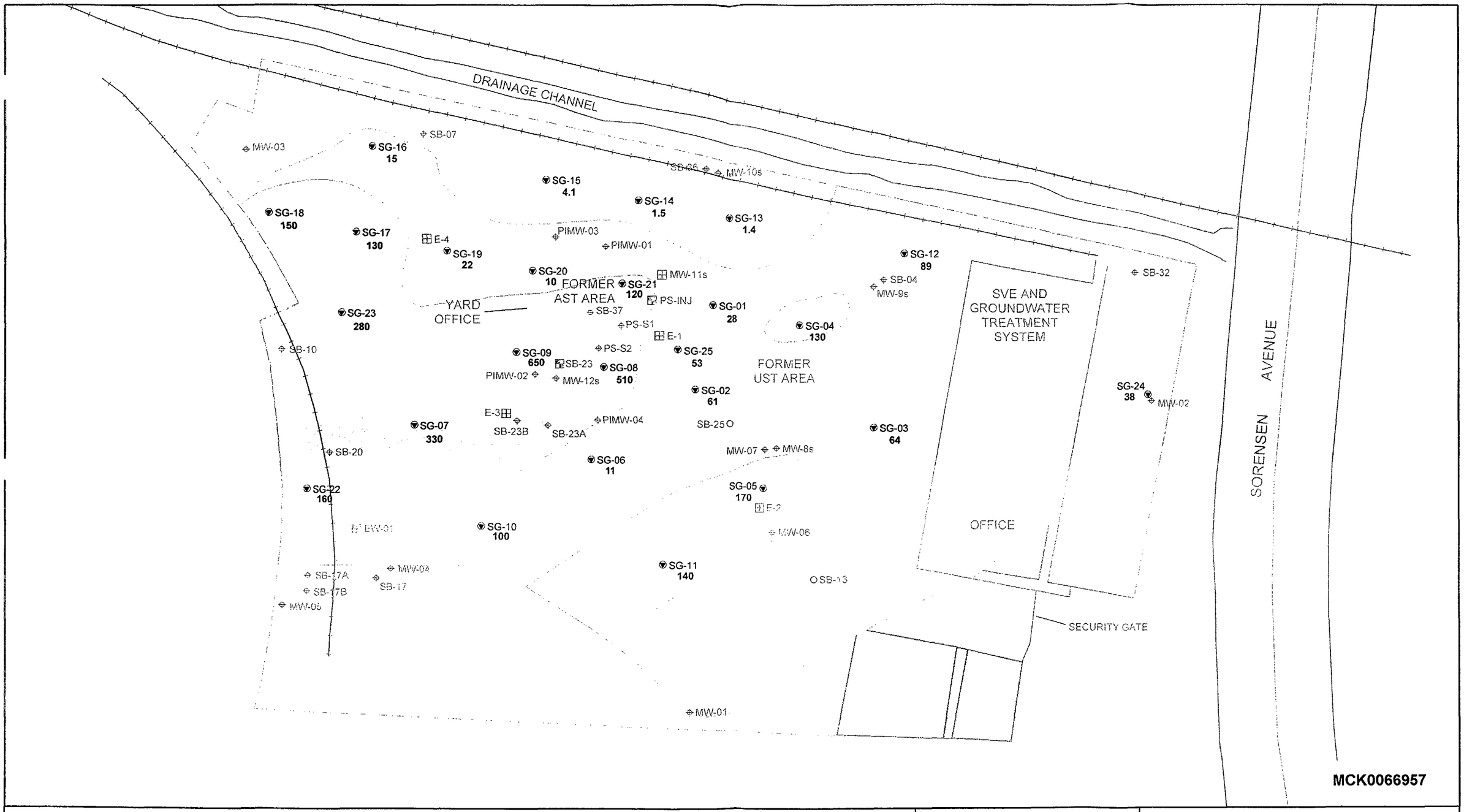
February 2007

Figure E-2

PCE (ug/L) in Soil Gas at 10 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\SG_PCE10.mxd



Legend

Interpreted PCE Concentration in Soil Gas (ug/L) at 20 ft bgs

- >10 ug/L
- >100 ug/L

- SG-10 / 100 — Sample Location Name / PCE Concentration (ug/L) (Geosyntec, 2001)
- Soil Gas Sample Location
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well

NOTES:
1. PCE = Tetrachloroethene
2. ft bgs = feet below ground surface
3. ug/L = micrograms per liter
4. Base map adapted from site plans prepared by Geomatrix (2001)

- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

N

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

Document No.

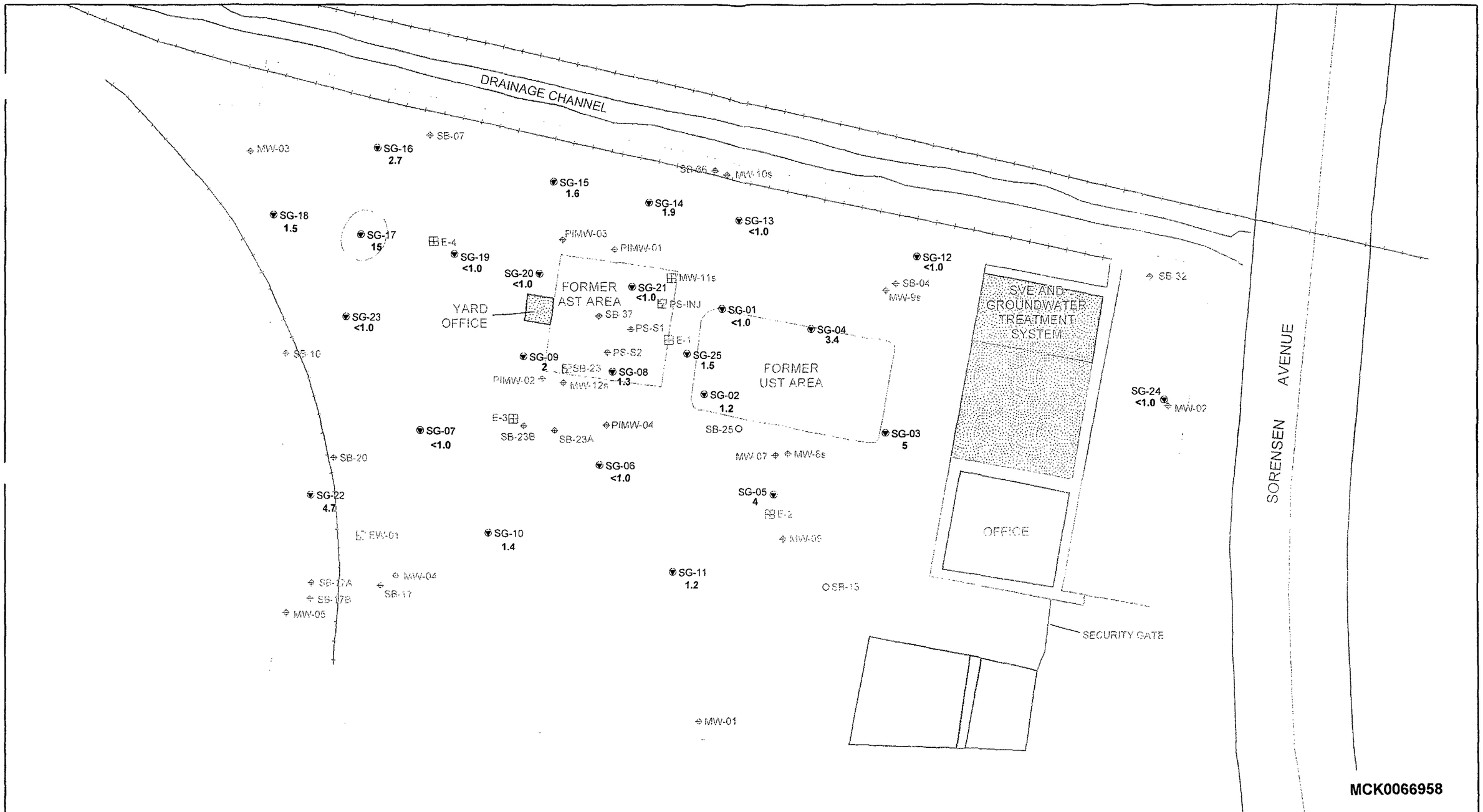
February 2007

Figure E-3

PCE (ug/L) in Soil Gas at 20 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007FebYR\SG_PCE20.mxd



Legend

Interpreted TCE Concentration in Soil Gas (ug/L) at 5 ft bgs

- >10 ug/L

- SG-10 1.2 — Sample Location Name, TCE Concentration (ug/L) (Geosyntec, 2001)
- Soil Gas Sample Location
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well

NOTES:
1. TCE = Trichloroethene
2. ft bgs = feet below ground surface
3. ug/L = micrograms per liter
4. Base map adapted from site plans prepared by Geomatrix (2001)

- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

N

0 25 50 Feet

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Project No. HA0620-15

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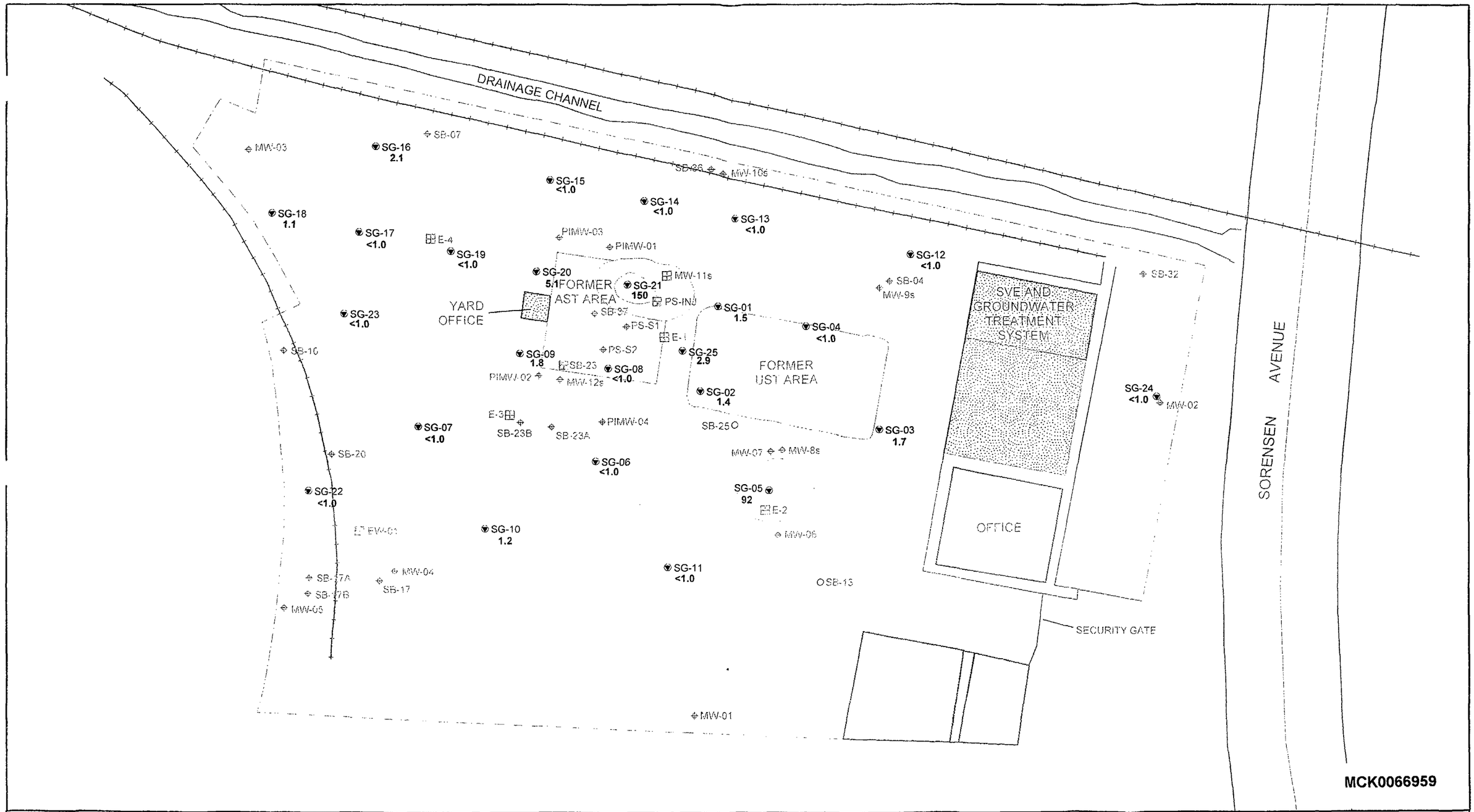
Figure E-4

TCE (ug/L) in Soil Gas at 5 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\SG_TCE05.mxd



Legend

Interpreted TCE concentration in Soil Gas (ug/L) at 10 ft bgs

- >10 ug/L
- >100 ug/L

SG-10 1.2 — Sample Location Name, TCE Concentration (ug/L) (Geosyntec, 2001)

- Soil Gas Sample Location
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well

NOTES:
1. TCE = Trichloroethene
2. ft bgs = feet below ground surface
3. ug/L = micrograms per liter
4. Base map adapted from site plans prepared by Geomatrix (2001)

- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

N

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

Document No.

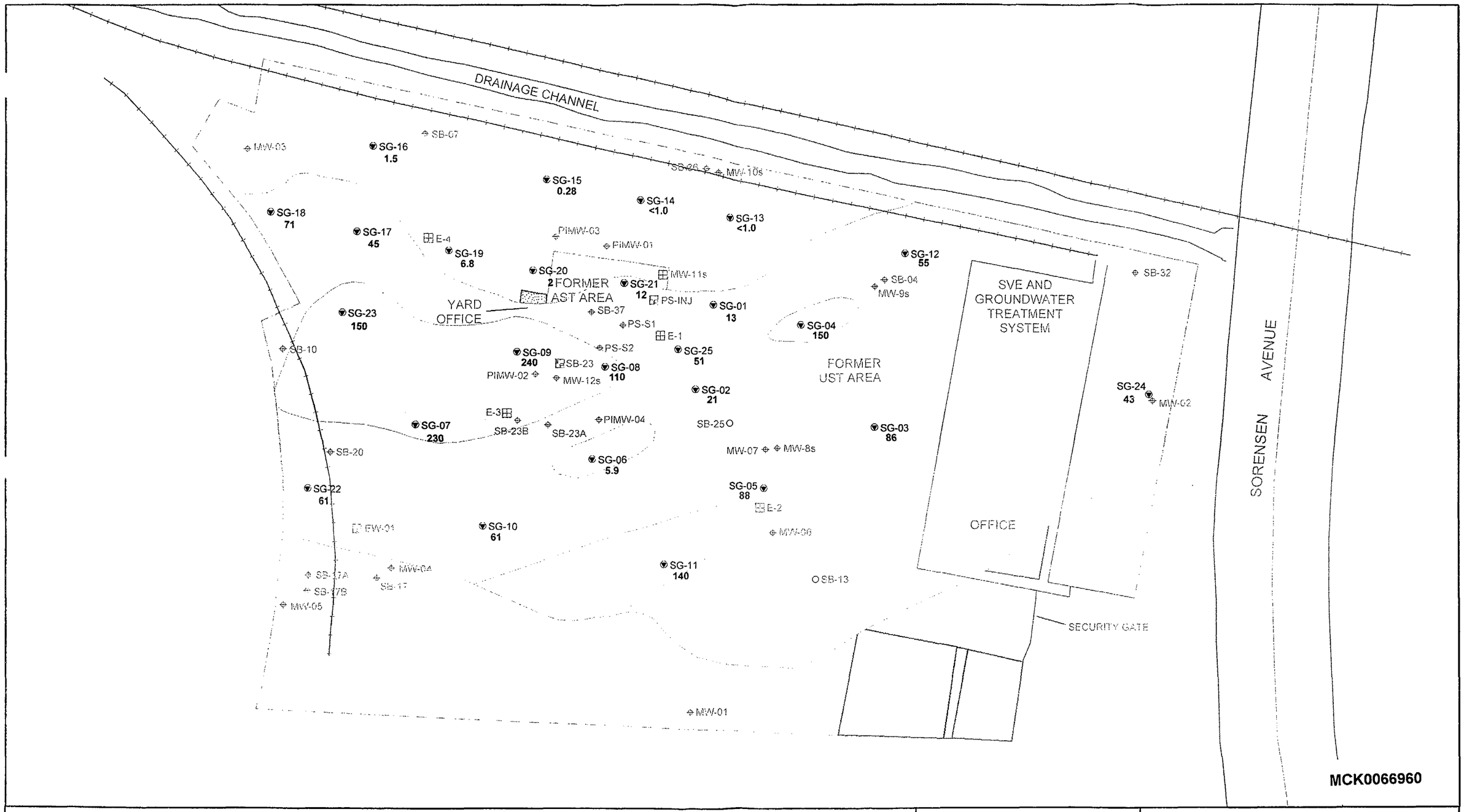
February 2007

Figure E-5

TCE (ug/L) in Soil Gas at 10 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\SG_TCE10.mxd



Legend

Interpreted TCE concentration in Soil Gas (ug/L) at 20 ft bgs

- >10 ug/L
- >100 ug/L

- SG-10 / 61 — Sample Location Name / TCE Concentration (ug/L) (Geosyntec, 2001)
- Soil Gas Sample Location
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well

NOTES:
1. TCE = Trichloroethene
2. ft bgs = feet below ground surface
3. ug/L = micrograms per liter
4. Base map adapted from site plans prepared by Geomatrix (2001)

- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

N

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

Document No.

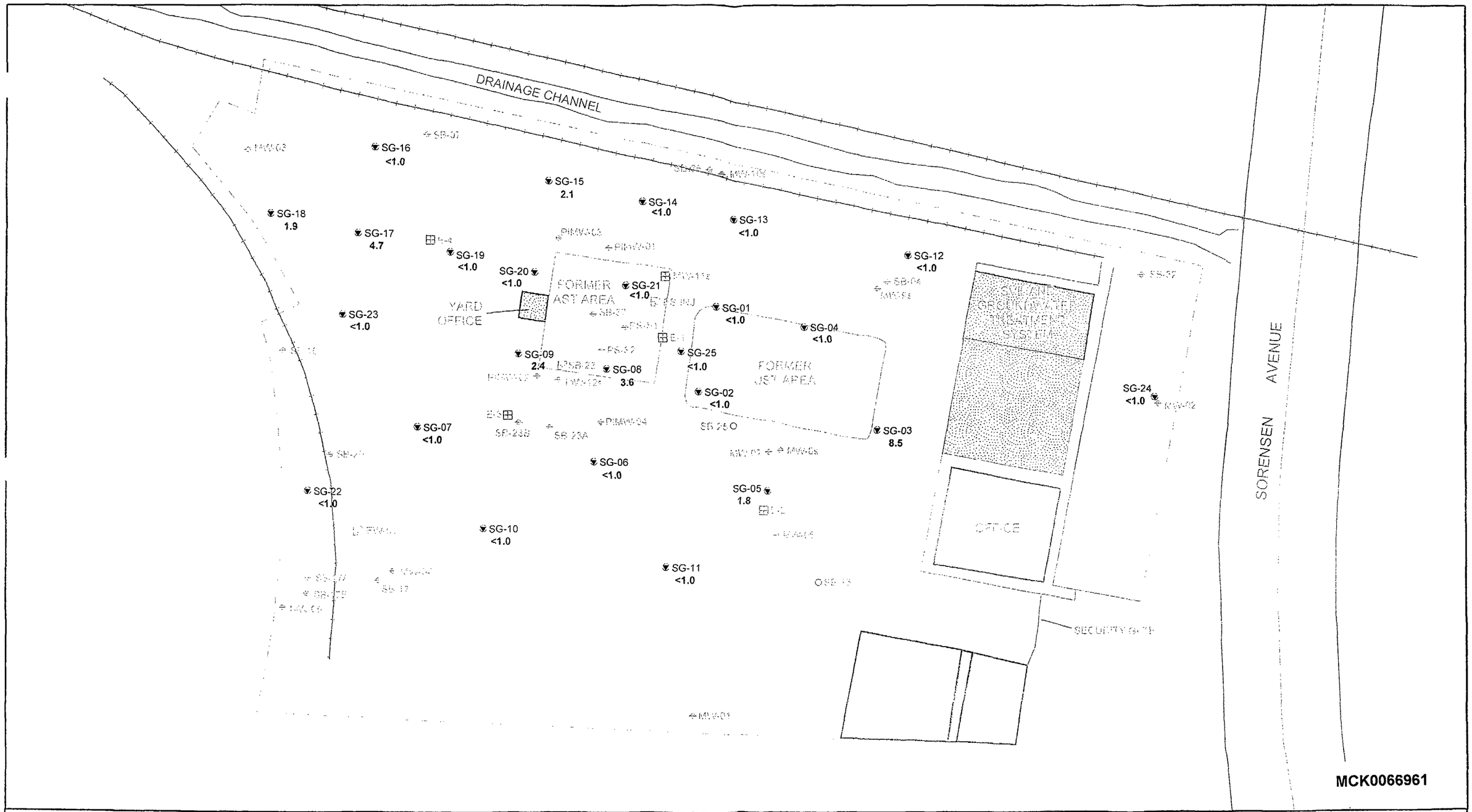
February 2007

Figure E-6

TCE (ug/L) in Soil Gas at 20 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\SG_TCE20.mxd



Legend

Interpreted cis-1,2-DCE Concentration in Soil Gas (ug/L) at 5 ft bgs

>10 ug/L

SG-10 <1.0 — Sample Location Name, cis-1,2-DCE Concentration (ug/L) (Geosyntec, 2001)

Soil Gas Sample Location

Groundwater Monitoring Well

Groundwater Extraction Well

Vapor Extraction Well

Abandoned Well

NOTES:
1. cis-1,2-DCE = cis-1,2-Dichloroethene
2. ft bgs = feet below ground surface
3. ug/L = micrograms per liter
4. Base map adapted from site plans prepared by Geomatrix (2001)

Concrete Surfacing

Building

Cyclone Fence

Railroad Track

N

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

Document No.

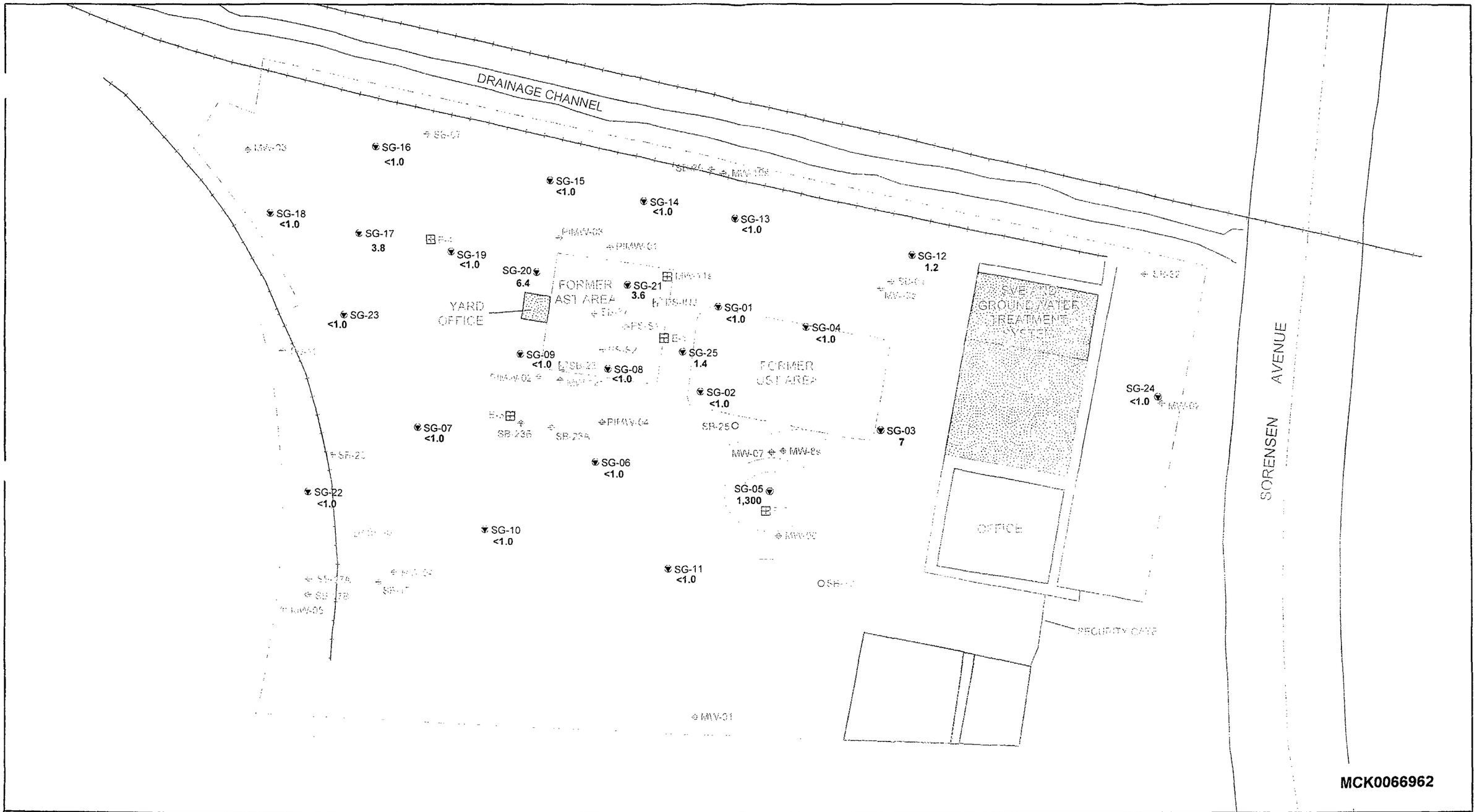
February 2007

Figure E-7

cis-1,2-DCE (ug/L) in Soil Gas at 5 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\SG_DCE05.mxd



Legend

Interpreted cis-1,2-DCE Concentration ~~Envelope~~ in Soil Gas (ug/L) at 10 ft bgs

- >10 ug/L
- >100 ug/L
- >1,000 ug/L

SG-10 <1.0 — Sample Location Name; cis-1,2-DCE Concentration (ug/L) (Geosyntec, 2001)

- Soil Gas Sample Location
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well

NOTES:
1. cis-1,2-DCE = cis-1,2-Dichloroethene
2. ft bgs = feet below ground surface
3. ug/L = micrograms per liter
4. Base map adapted from site plans prepared by Geomatrix (2001)

- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

N

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

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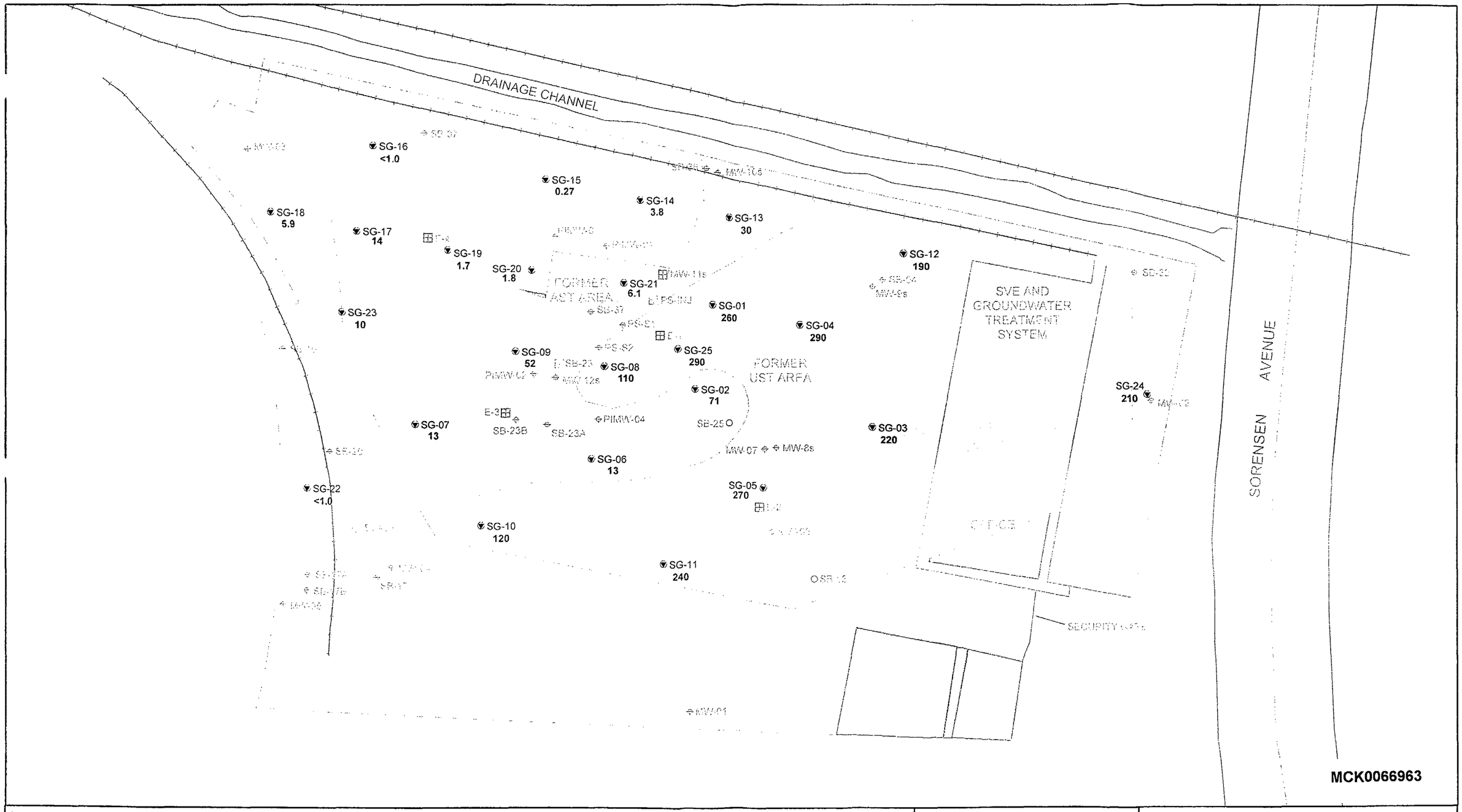
Figure E-8

cis-1,2-DCE (ug/L) in Soil Gas at 10 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\SG_PCE10.mxd



Legend

Interpreted cis-1,2-DCE Concentration Contours in Soil Gas (ug/L) at 20 ft bgs

- >10 ug/L
- >100 ug/L

SG-10 120 — Sample Location Name; cis-1,2-DCE Concentration (ug/L) (Geosyntec, 2001)

- Soil Gas Sample Location
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well

NOTES:
1. cis-1,2-DCE = cis-1,2-Dichloroethene
2. ft bgs = feet below ground surface
3. ug/L = micrograms per liter
4. Base map adapted from site plans prepared by Geomatrix (2001)

- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

N

0 25 50 Feet

Geosyntec consultants

Project No. HA0620-15

Document No.

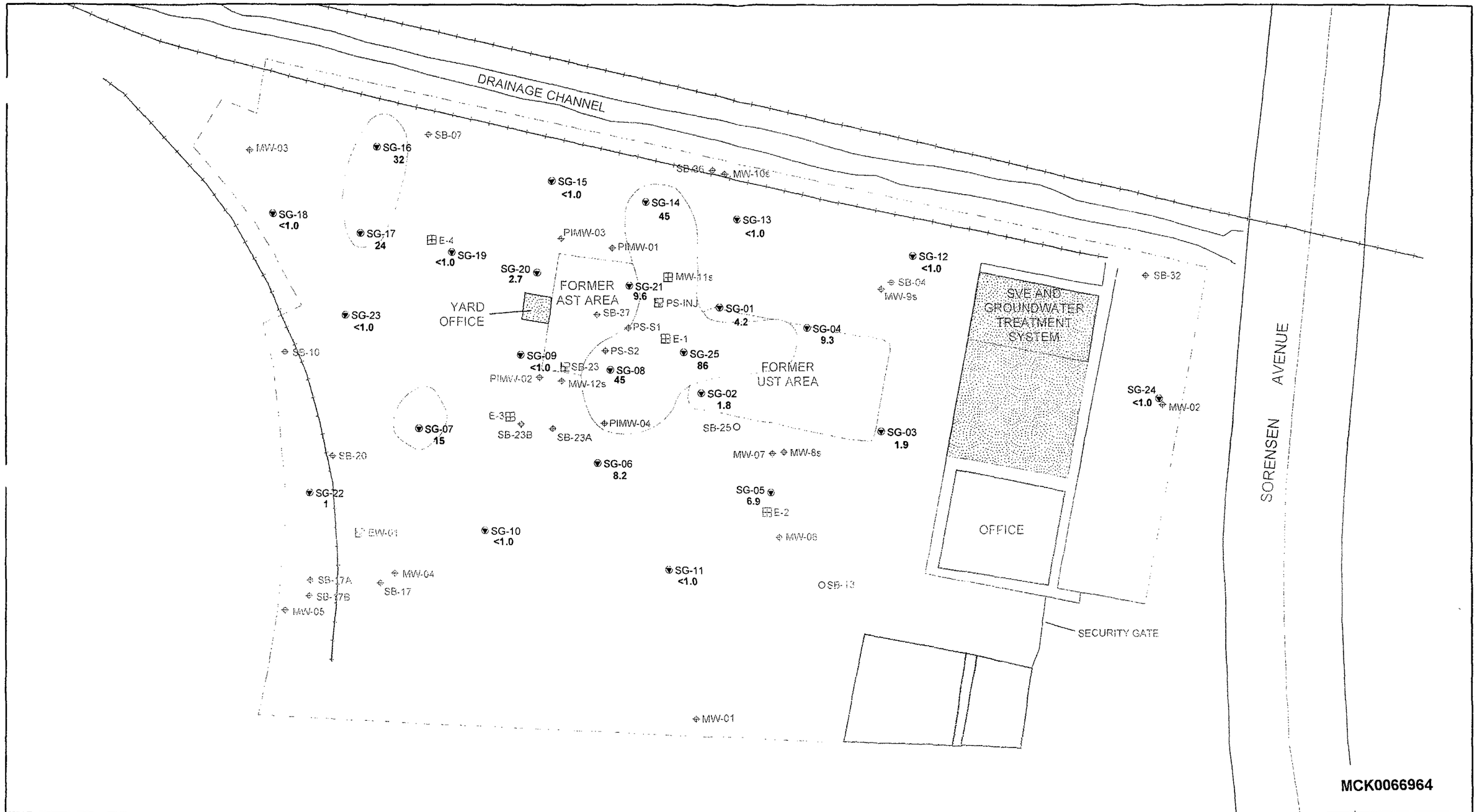
February 2007

Figure E-9

cis-1,2-DCE (ug/L) in Soil Gas at 20 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\SG_DCE20.mxd



Legend

Interpreted 1,1,1-TCA Concentration in Soil Gas (ug/L) at 5 ft bgs

>10 ug/L

SG-10 <1.0 — Sample Location Name 1,1,1-TCA Concentration (ug/L) (Geosyntec, 2001)

Soil Gas Sample Location

Groundwater Monitoring Well

Groundwater Extraction Well

Vapor Extraction Well

Abandoned Well

NOTES:
1. 1,1,1-TCA = 1,1,1-Trichloroethane
2. ft bgs = feet below ground surface
3. ug/L = micrograms per liter
4. Base map adapted from site plans prepared by Geomatrix (2001)

Concrete Surfacing

Building

Cyclone Fence

Railroad Track

N

0 25 50 Feet

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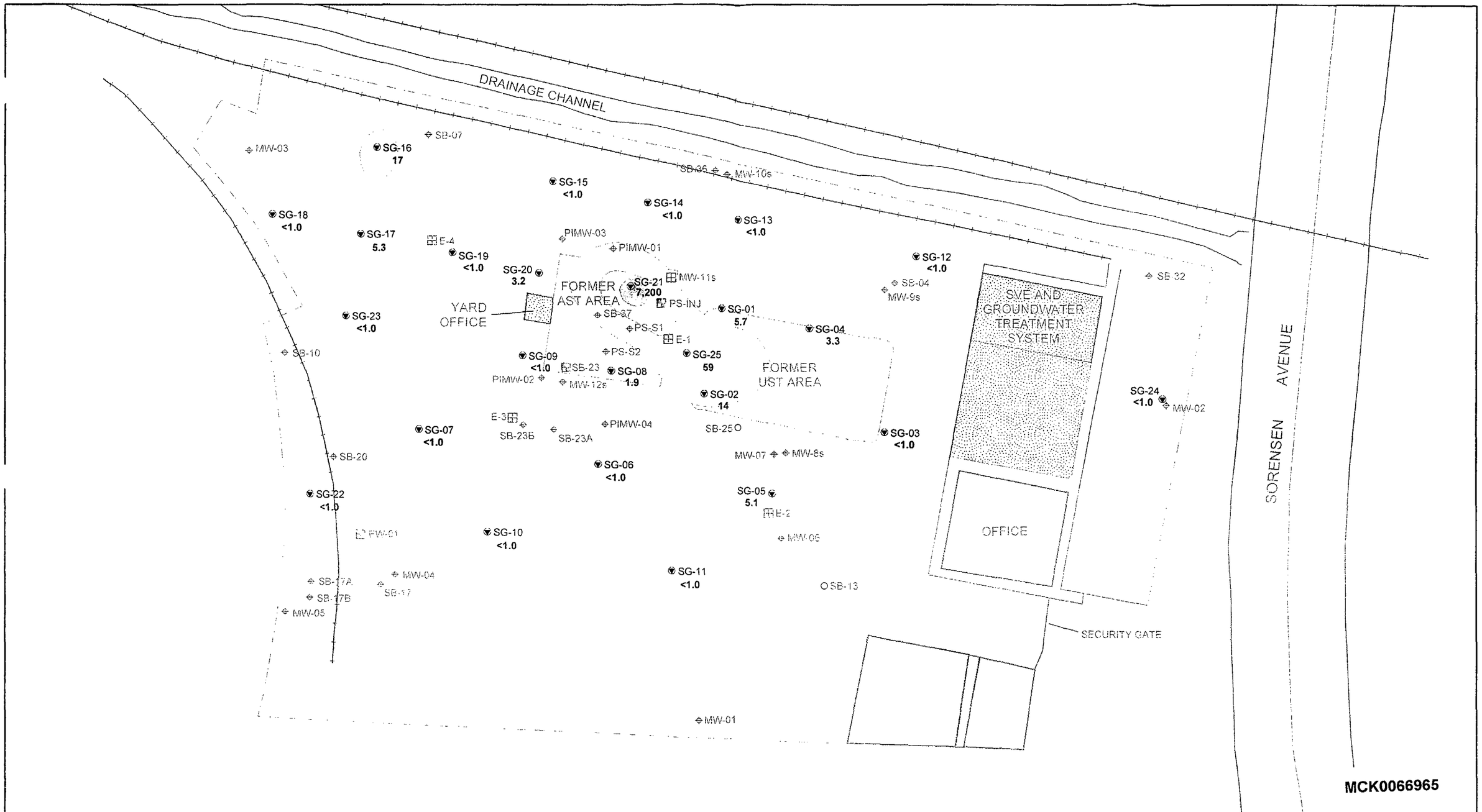
Figure E-10

1,1,1-TCA (ug/L) in Soil Gas at 5 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\SG_TCA05.mxd



Legend

Interpreted 1,1,1-TCA Concentration in Soil Gas (ug/L) at 10 ft bgs

- >10 ug/L
- >100 ug/L
- >1,000 ug/L

SG-10 Sample Location Name
<1.0 1,1,1-TCA Concentration (ug/L) (Geosyntec, 2001)
Soil Gas Sample Location
Groundwater Monitoring Well
Groundwater Extraction Well
Vapor Extraction Well
Abandoned Well

NOTES:
1. 1,1,1-TCA = 1,1,1-Trichloroethane
2. ft bgs = feet below ground surface
3. ug/L = micrograms per liter
4. Base map adapted from site plans prepared by Geomatrix (2001)

Concrete Surfacing
Building
Cyclone Fence
Railroad Track

N
0 25 50 Feet

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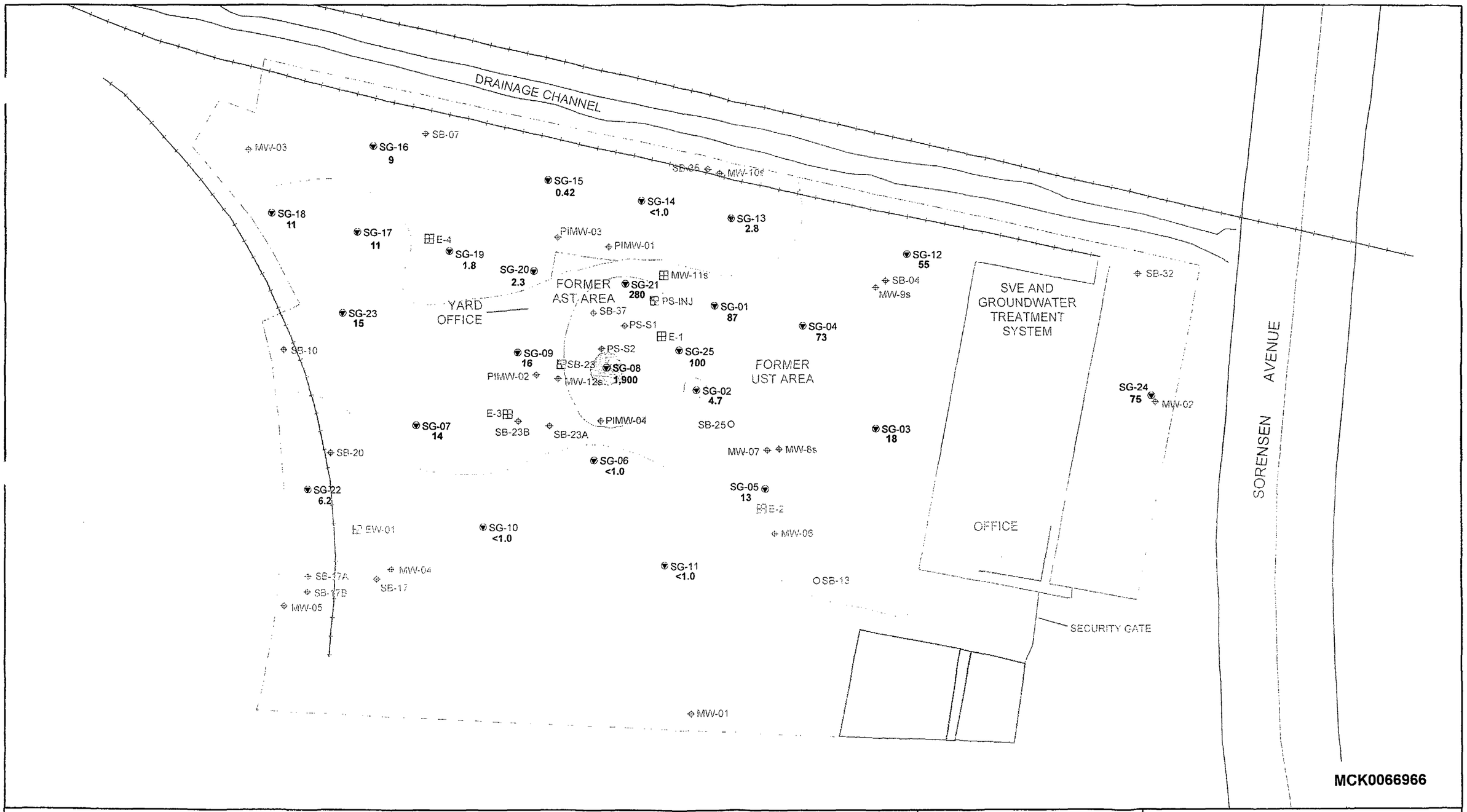
Figure E-11

1,1,1-TCA (ug/L) in Soil Gas at 10 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\SG_TCA10.mxd



Legend

Interpreted 1,1,1-TCA Concentration in Soil Gas (ug/L) at 20 ft bgs

- >10 ug/L
- >100 ug/L
- >1,000 ug/L

SG-10 <1.0 — Sample Location Name 1,1,1-TCA Concentration (ug/L) (Geosyntec, 2001)

- Soil Gas Sample Location
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well

NOTES:
1. 1,1,1-TCA = 1,1,1-Trichloroethene
2. ft bgs = feet below ground surface
3. ug/L = micrograms per liter
4. Base map adapted from site plans prepared by Geomatrix (2001)

- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

N

0 25 50 Feet

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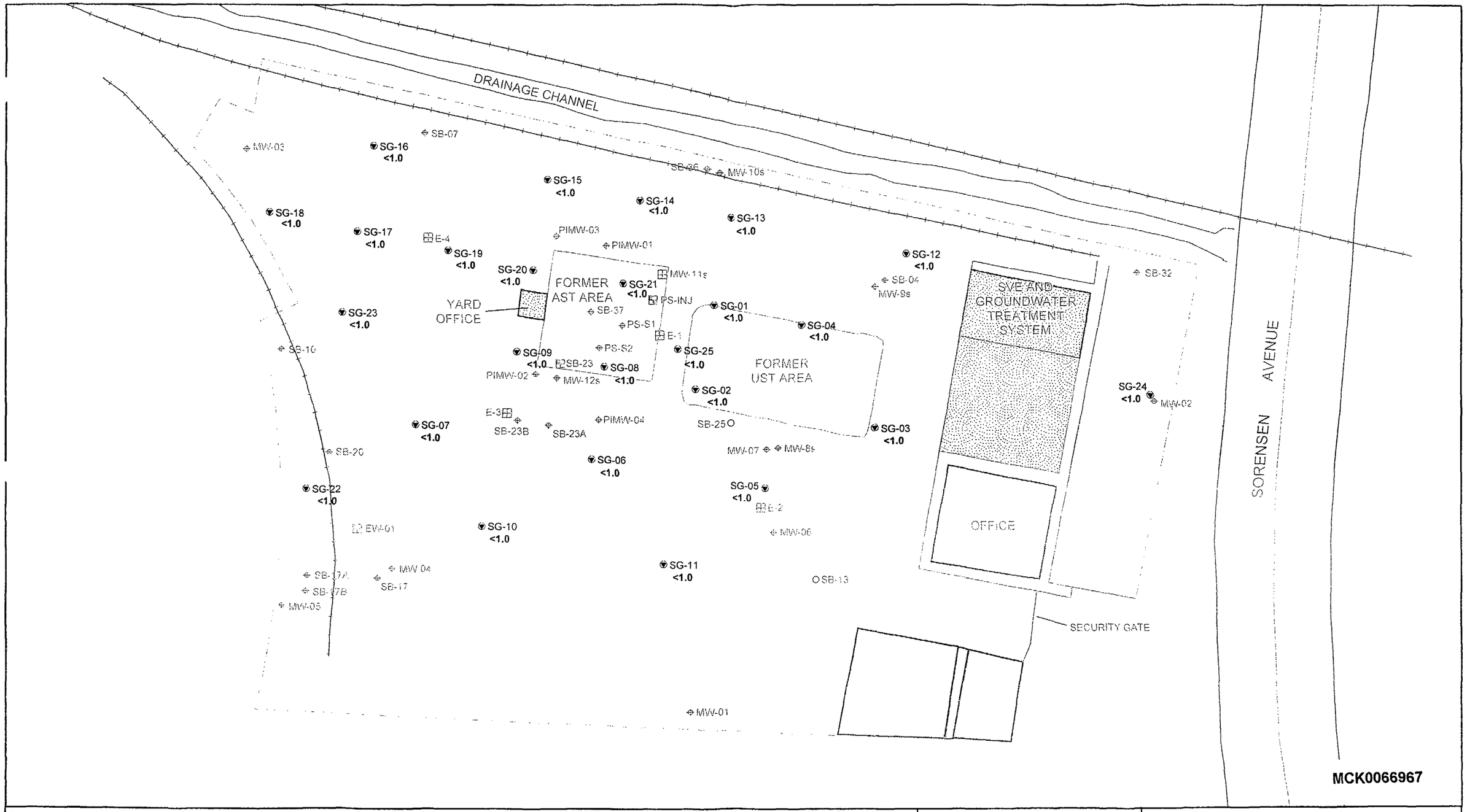
February 2007

Figure E-12

1,1,1-TCA (ug/L) in Soil Gas at 20 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\SG_TCA20.mxd



Legend

Interpreted Vinyl Chloride Concentration in Soil Gas (ug/L) at 5 ft bgs

- >10 ug/L
- SG-10 <1.0 — Sample Location Name; Vinyl Chloride Concentration (ug/L) (Geosyntec, 2001)
- Soil Gas Sample Location
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well

NOTES:
1. ft bgs = feet below ground surface
2. ug/L = micrograms per liter
3. Base map adapted from site plans prepared by Geomatrix (2001)

- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

0 25 50 Feet

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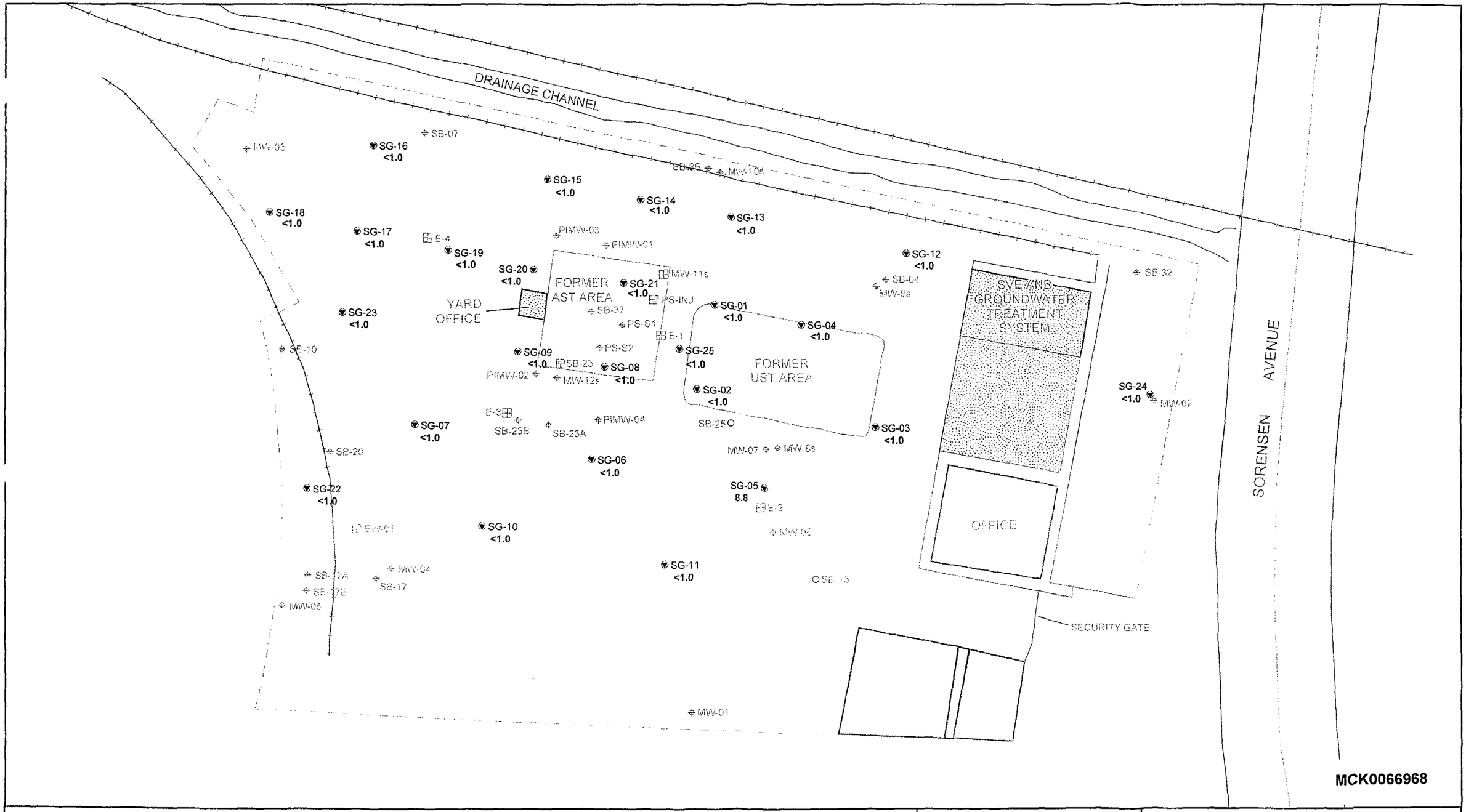
Figure E-13

Vinyl Chloride (ug/L) in Soil Gas at 5 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\SG_VC05.mxd



Legend

Interpreted Vinyl Chloride Concentration in Soil Gas (ug/L) at 10 ft bgs

>10 ug/L

SG-10 <1.0 — Sample Location Name; Vinyl Chloride Concentration (ug/L) (Geosyntec, 2001)

Soil Gas Sample Location

Groundwater Monitoring Well

Groundwater Extraction Well

Vapor Extraction Well

Abandoned Well

NOTES:
1. ft bgs = feet below ground surface
2. *ug/L = micrograms per liter*
3. Base map adapted from site plans prepared by Geomatrix (2001)

Concrete Surfacing

Building

Cyclone Fence

Railroad Track

N

0 25 50 Feet

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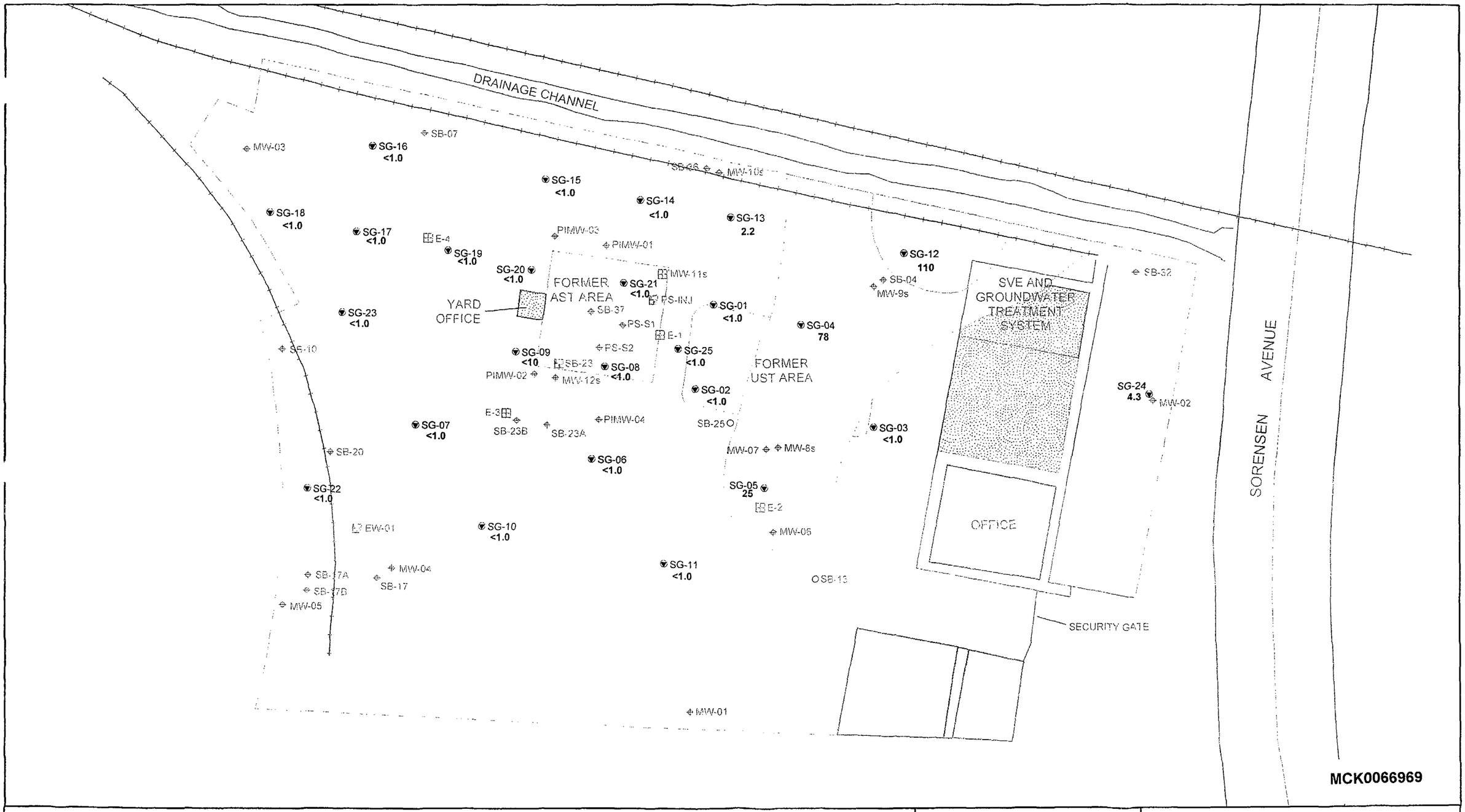
Figure E-14

Vinyl Chloride (ug/L) in Soil Gas at 10 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

P:\GIS\mckesson\project\2007Feb5YR\SG_VC10.mxd



Legend

Interpreted Vinyl Chloride Concentration in Soil Gas (ug/L) at 20 ft bgs

- >10 ug/L
- >100 ug/L

SG-10 / 100 — Sample Location Name / Vinyl Chloride Concentration (ug/L) (Geosyntec, 2001)

- Soil Gas Sample Location
- Groundwater Monitoring Well
- Groundwater Extraction Well
- Vapor Extraction Well
- Abandoned Well

NOTES:
1. ft bgs = feet below ground surface
2. ug/L = micrograms per liter
3. Base map adapted from site plans prepared by Geomatrix (2001)

- Concrete Surfacing
- Building
- Cyclone Fence
- Railroad Track

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Figure E-15

Vinyl Chloride (ug/L) in Soil Gas at 20 ft bgs

Former McKesson Chemical Company
Santa Fe Springs, California

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