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Date: 13 November 2014

Subject: **Shallow Zone South of Puente Creek, City of Industry, California**
2014 Annual Comprehensive Groundwater Monitoring Report
PVOU Shallow Zone South of Puente Creek (SZ-South), prepared by Orion Environmental Inc.

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2014 Annual Comprehensive Groundwater Monitoring Report PVOU Shallow Zone South of Puente Creek (SZ-South) August/September 2014

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ACRONYMS AND ABBREVIATIONS

µg/l	microgram(s) per liter
1,1-DCE	1,1-dichloroethene
CDPH	California Department of Public Health
COC	chain-of-custody
CSM	Conceptual Site Model
DO	dissolved oxygen
FSP	field sampling plan
GWMR	groundwater monitoring report
IZ	Intermediate Zone
J	estimated value (data qualifier)
LIZ	Lower Intermediate Zone
MCL	maximum contaminant level
M-K	Mann-Kendall
MS	matrix spike
MSD	matrix spike duplicate
NAVD	North American Vertical Datum
ND	non detectable (nondetect)
NDEA	N-nitrosodiethylamine
NDMA	N-nitrosodimethylamine
NDPA	N nitroso-n-propylamine
NL	Notification Level (CDPH)
NM	no measurement
PARCC	precision, accuracy, representativeness, comparability, and completeness

ACRONYMS AND ABBREVIATIONS (cont.)

PCE	perchloroethene (tetrachloroethene)
PVC	polyvinyl chloride
PVOU	Puente Valley Operable Unit
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RCRA	Resource Conservation and Recovery Act of 1978
RDI	Remedial Design Investigation (SZ-South)
RPD	relative percent deviation
RWQCB	Los Angeles Regional Water Quality Control Board
SVOCs	semivolatile organic compounds
SZ	Shallow Zone
SZ-North	Shallow Zone North of Puente Creek
SZ-South	Shallow Zone South of Puente Creek
SZ1	Shallow Zone Upper
SZ2	Shallow Zone Lower
TCE	trichloroethene
UAO	Unilateral Administrative Order
UIZ	Upper Intermediate Zone
USEPA	U. S. Environmental Protection Agency
VOC	volatile organic compound

1.0 INTRODUCTION

Orion Environmental Inc. (Orion) has prepared this 2014 annual comprehensive groundwater monitoring report (GWMR) for the Puente Valley Operable Unit (PVOU) Shallow Zone South of Puente Creek (SZ-South) on behalf of Northrop Grumman Systems Corporation (Northrop Grumman). This GWMR was requested by the U.S. Environmental Protection Agency (USEPA) in the Remedial Design/Remedial Action Statement of Work, included as Attachment 4 to Unilateral Administrative Order (UAO) 2011-14, and was prepared based on guidelines e-mailed by USEPA on 12 April 2013. The August/September 2014 annual comprehensive groundwater monitoring event was performed per the approved Groundwater Sampling Plan (Orion 2014a; Appendix A). Figure 1 shows the PVOU site location; Figure 2 shows the SZ-South site location; Figure 3 shows the groundwater sampling locations. Included in this GWMR are selected groundwater quality and elevation data from the SZ-South early (March) 2014 basic semiannual groundwater monitoring event that were previously reported to USEPA (Orion, 2014b).

1.1 Background

The PVOU is located at the convergence between San Gabriel Valley and Puente Valley within the southwest portion of the Main San Gabriel Groundwater Basin (Basin). The Basin has been the subject of environmental investigation since 1979 when groundwater with volatile organic compounds (VOCs) was first detected. In May 1984, four broad areas within the Basin were listed as San Gabriel Areas 1 through 4 on USEPA's National Priorities List. USEPA subsequently divided the Basin into eight operable units, one of which is the PVOU. The PVOU is located about 25 miles from the Pacific Coast, in eastern Los Angeles County.

The former Benchmark Technology property (the former Benchmark property or "the property") is an 8.9-acre property located at 200 South Turnbull Canyon Road in City of Industry, within the southern portion of the San Gabriel Valley (Figure 2). Printed circuit board manufacturing was conducted at the former Benchmark facility from about 1955 to 1989. Various chemicals were used during its historical operations, including chlorinated solvents from about 1961 to the late 1980's. In 1984, USEPA placed the San Gabriel

Valley in its Superfund program because VOCs were detected in water supply wells. The Los Angeles Regional Water Quality Control Board (RWQCB) subsequently began assessment of facilities in the PVOU with historical VOC usage and, in 1986, directed Benchmark Technology (the property owner and operator at that time) to conduct subsurface investigations. TRW Inc., the owner and operator from 1963 to 1983, took over the investigation and remediation program from Benchmark Technology in 1987.

In 2003, TRW Inc. merged with Northrop Grumman Corporation. After the merger, TRW under its new name, Northrop Grumman Space & Mission Systems Corp. (NGS&MSC), continued to perform remediation at the former Benchmark property. NGS&MSC was later merged into Northrop Grumman Systems Corporation. The new merged entity, under the Northrop Grumman name, continued to perform remediation at the former Benchmark property.

A UAO for the SZ-South was issued to Northrop Grumman by USEPA on 16 September 2011. As defined by USEPA in the UAO, the "Shallow Zone South of Puente Creek shall mean the shallow zone of the PVOU aquifer, as referenced in the PVOU ROD [Record of Decision] and ESD [Explanation of Significant Differences], that lies south of Puente Creek and is bounded on the east, west, and south by the extent of shallow zone contamination. Puente Creek, a surface water conveyance channel located in Los Angeles County, lies above the underlying shallow zone groundwater and shall serve as the northern physical boundary for the Shallow Zone South of Puente Creek remedy."

The former Benchmark property is located in the area defined as the SZ-South and the lead regulatory agency responsibilities for the project were transferred from RWQCB to USEPA because of the project's close association with the other two PVOU remedies and the need to integrate it with these regional remedies. A complete site background including a chronology of investigations and remediation performed at the site can be found in Table A-1 of the Conceptual Site Model (CSM), which is part of the Quality Assurance Project Plan (QAPP; Orion, 2012b), which is Appendix A of the Remedial Design Investigation (RDI) Work Plan for the SZ-South (Orion, 2012a).

1.1.1 Geology of the PVOU

The Main San Gabriel Basin is filled with alluvial deposits that overlie relatively impermeable rock. These deposits are approximately 2,000 to 4,000 feet thick in the center of the Basin and range from approximately 250 to 800 feet thick at the Basin outlet in Whittier Narrows. The San Gabriel Mountains contributed the bulk of the run-off and alluvial debris to the Basin, with a small portion contributed by the hills lying to the south of the Basin. Although it is likely that most of the sediments were deposited in the Basin by braided streams and networks of low sinuosity channels, some of the sediments in areas of higher elevation may have been products of mass wasting, including colluvium, landslides, and debris flows (USEPA, 1993).

The Puente Valley alluvial fill deposits range widely in thickness, from less than 25 feet in the extreme eastern portion and valley perimeter, to approximately 1,300 feet where the valley transitions into the main Basin. The alluvial sediments thicken rapidly from the central portion of Puente Valley to the west/northwest in the mouth of Puente Valley (USEPA, 1992).

The alluvial fill occurring in Puente Valley has higher clay content than the sediments comprising the Basin (USEPA, 1993). Generally, the alluvial sediments in Puente Valley also exhibit more discontinuous layering than is observed in the main body of the Basin. The fill deposits in Puente Valley consist of clay and sandy clay with lenses of sand and gravel. Sand and gravel usually comprise less than a third of the material, but locally can comprise greater than two thirds (USEPA, 1992).

1.1.2 Hydrogeology of the PVOU

Depth to first groundwater is variable depending on the climatic cycle and location. Currently, groundwater in the mouth of Puente Valley area is first encountered at depths between about 35 to 140 feet below ground surface (depth increases in the downgradient, northerly direction). The water-bearing zones have been separated into three principal aquifer units. These are the Shallow Zone (SZ), Intermediate Zone (IZ), and Deep Zone (DZ). Two units have since been delineated within each of the SZ and IZ; these are the SZ upper (SZ1), SZ lower (SZ2), upper intermediate zone (UIZ), and lower intermediate zone (LIZ). Electrical logs and boring logs show evidence of multiple layers of interbedded sand

and finer-grained materials throughout the PVOU. In this type of geologic setting, distinguishing regionally extensive aquifer units by visual inspection of well and boring logs alone is difficult. However, when the distribution of piezometric heads, water quality data, and aquifer test results are also considered, key patterns of aquifer behavior emerge. Indicators of hydraulic communication between hydrologic units (or lack thereof) include:

- Sustained piezometric head differences between wells screened at different depths within a well cluster
- Responses to local and regional pumping and/or regional piezometric head variations
- Patterns of contaminant distribution
- Responses of wells to aquifer testing.

These indicators have been used to delineate the aquifer units.

Some of the currently operating production wells in the PVOU are screened across both the IZ and DZ, but not the SZ. Piezometric heads in monitoring wells screened in the UIZ, LIZ, and DZ aquifer units respond to changes in pumping at local production wells that are screened in these units, namely B7C, B11B, and 147-W3. In addition, piezometric heads in the UIZ, LIZ, and DZ are typically lower than other hydrogeologic units.

USEPA's Feasibility Study, Interim Record of Decision, and ESD refer only to a "Deep Zone" beneath the aquitard that underlies the IZ aquifer.

1.2 Monitoring Wells

1.2.1 Summary of Remedy Monitoring Well Network

The groundwater monitoring well network for the SZ-South consists of wells installed by Benchmark Technology, TRW Inc., and Northrop Grumman. To date, there are 130 monitoring wells and four extraction wells in the SZ-South well network. Temporary monitoring well TW1 was installed and developed on 15 August 2014, surveyed and monitored on 19 August 2014, and abandoned on 22 August 2014. Well identifications used in this GWMR include:

- "W" for historical monitoring wells and monitoring wells installed as part of the RDI, a sequential number, and a suffix "A" (shallow well), "B" (middle well), or "C" (deep well)
- "TW" for temporary wells installed as part of the RDI
- "PZ" for historical piezometers
- "Z4" for historical former soil vapor monitoring wells used for groundwater monitoring
- "EW" for non-operational downgradient extraction wells.

Table 1 summarizes the well construction details and survey data for the SZ-South wells included in this sampling event.

1.2.2 Summary of Wells Monitored during Current Sampling Event

Table 1 lists the wells that were sampled during the August/September 2014 groundwater monitoring event. The sample locations are shown on Figure 3.

The following wells were unable to be sampled because they were either dry or there was insufficient water to collect a sample:

- Benchmark and Vicinity Wells: W1, W3, W7, W8, and W39A
- Valley Boulevard Wells: W12, W15, W16
- Nelson Avenue to Puente Creek: W68A
- Alfaville Property: AV-MW1.

The Request for Analysis table for this event, which is Table 1 of the Groundwater Sampling Plan (Orion, 2014a), is included as Appendix A of this GWMR.

1.3 Report Organization

This GWMR contains the following sections:

- Section 1 introduces the groundwater investigation, including background information, monitoring well information, wells sampled, and report organization
- Section 2 describes sampling methods including quality assurance and quality control (QA/QC) and laboratory analyses
- Section 3 provides a summary of data validation approach and findings

- Section 4 provides a discussion about the following information:
  - Water-level data (water-level/piezometric elevation maps and the calculated horizontal gradient at selected locations)
  - Groundwater quality data (detections, concentration range, and lateral/vertical distribution of key contaminants)
  - Trend analyses (methodology and findings)
  - Horizontal distribution of contamination
- Section 5 provides a summary of findings, including:
  - Groundwater flow (hydrographs, water-level contour maps, and horizontal vertical gradients)
  - Contaminant concentrations (summary of contaminant detections and concentration ranges, new detections, plume extent depicted by concentration contours for key contaminants, and temporal concentration trends)
- Section 6 lists recommendations
- Section 7 lists the references.

The appendices to the document include the following:

- Appendix A – Groundwater Sampling Plan, 2014 Annual Comprehensive Groundwater Monitoring Event
- Appendix B – Field Data Sheets
- Appendix C – Laboratory Analytical Reports and Chain-of-Custody Forms (CD Only)
- Appendix D – Laboratory Data Quality Assessment and Validation
- Appendix E – Historical Water-Level Elevation Measurements and VOC Groundwater Analytical Results
- Appendix F – March 2014 Semiannual and August/September 2014 Annual Comprehensive Groundwater Monitoring Events Complete Analytical Summary Table (CD Only).

2.0 SAMPLING APPROACH

Between 8 August and 17 September 2014, Blaine Tech Services, Inc. (Blaine Tech), of Carson, California, performed field activities related to the SZ-South 2014 annual comprehensive groundwater monitoring event. On 24 and 25 August and with the exception of wells AV-MW1, AV-MW2, AV-MW3, W20, and W54, Blaine Tech recorded water levels from the SZ-South wells in coordination with the Shallow Zone North of Puente Creek (SZ-North) and IZ remedies. Access had not been granted by the property owner at 15100 Nelson Avenue to monitor wells AV-MW1, AV-MW2, and AV-MW3 on 24 and 25 August 2014, while well W20 was inaccessible because of a nearby bee hive, and well W54 was unable to be located by the sampling contractor. However, wells AV-MW1, AV-MW2, AV-MW3, W20, and W54 were monitored on 17 September 2014 after impediments had been removed. Groundwater samples were collected and analyzed in accordance with the protocols described in the Field Sampling Plan (FSP; Orion 2012b), the QAPP (Orion, 2012c), and the Groundwater Sampling Plan (Orion 2014a; Appendix A), including additional samples collected and analyzed in support of the Intermediate Zone remedy 97-005 California Department of Public Health permit application, which will be reported under separate cover.

2.1 Water-Level Measurements

Water-level measurements were collected following the procedures described in Section 5.5.1 of the FSP. The measurements were taken from the surveyed measurement mark on the well casing. Water levels were not collected for wells AV-MW1, W1, W7, W12, W15, W16 and W68A because these wells were dry. Field data sheets are in Appendix B.

2.2 Groundwater Sample Collection Methods

2.2.1 Field Parameters Measurement

A YSI Professional Plus multiprobe meter with a flow-through cell was used to measure temperature, pH, conductivity, dissolved oxygen, and oxidation reduction potential. A Hach 2100P portable turbidity meter with a digital readout was used to measure turbidity. Procedures used for calibrating, maintaining, and decontaminating equipment are

described in Section 5.6 of the FSP. Equipment used for field parameters was maintained and calibrated according to the manufacturer's specifications. Equipment calibration logs are included in the field data sheets (Appendix B).

2.2.2 Well Sampling Procedures

The wells were sampled using the low-flow sampling procedures described in Section 5.5.2 and Appendix C of the FSP. Groundwater samples were not collected from wells W3, W8, and W39A due to insufficient water. Additionally, groundwater samples were not collected from wells AV-MW1, W1, W7, W12, W15, W16, and W68A because these wells were dry. The list of wells sampled during this event is in Section 1.2.2. Field data sheets are in Appendix B.

2.3 Sample Analyses

Groundwater samples were analyzed for the following constituents in accordance with the Request for Analyses table (Table 1 of the Groundwater Sampling Plan):

- VOCs
- Semivolatile organic compounds (SVOCs)
- 1,4-Dioxane
- California Code of Regulations, Title 22, 17 metals plus manganese, iron, hexavalent chromium, and cyanide
- N-nitrosodimethylamine (NDMA), N-nitrosodiethylamine (NDEA), N-nitroso-n-propylamine (NDPA)
- Perchlorate
- 1,2,3-Tichloropropane
- Total dissolved solids
- Nitrate
- Sulfate.

Groundwater samples were delivered by courier to TestAmerica Laboratories in Irvine, California, following chain-of-custody (COC) protocol, for analysis with a standard 10-day turnaround.

2.4 Quality Assurance/Quality Control Samples

QA/QC samples were collected in accordance with the protocols described in the FSP and QAPP. QC samples included trip blanks, equipment blanks, field duplicates, and laboratory QC samples (matrix spike/matrix spike duplicate [MS/MSD] samples). Trip blanks were analyzed for VOCs. Equipment blanks, field duplicates, and MS/MSD samples were analyzed for the list of constituents listed in Section 2.3. The QA/QC samples collected during this event are described below.

- **Trip Blanks:** Trip blanks were used to evaluate if cross-contamination occurred in the cooler during sample shipment. Trip blanks consisted of filled volatile organic analysis vials that were transported from the analytical laboratory to the sampling site and then returned unopened to the laboratory along with the field samples. One trip blank was submitted with each shipment container containing samples for VOC analysis.

- **Equipment Blanks:** Equipment blanks were collected to verify the effectiveness of decontamination procedures. One equipment blank per day per sampling technician was collected during this event. Some wells sampled had dedicated sample tubing, but at least one equipment blank was collected from the new tubing used for this event. The blank was prepared in the field by pouring Type II laboratory-supplied "clean" water through the sampling equipment and into the appropriate sample containers after equipment decontamination.

- **Field Duplicates:** Duplicate samples were collected, preserved, packaged, labeled, and sealed in a manner identical to the other samples collected. Field duplicates were independent samples collected as close as possible to a primary sample from the same source and used to document sampling precision. An attempt was made to collect field duplicates from wells known or expected to contain the contaminants of concern in low to high concentrations. Field duplicates were collected at a rate of 10 percent of the samples collected.

- **Laboratory QC Samples:** Laboratory QC samples were collected to perform MS/MSD analyses. An MS is an aliquot of a sample spiked with a known concentration of target analyte and provides a measure of the method accuracy. The MSD is a laboratory split sample of the MS and is used to determine the precision of the method. Double sample volume was collected for laboratory QC samples. Laboratory QC samples were collected at a frequency of one per 20 samples. Laboratory control

sample/laboratory control sample duplicate (LCS/LCSD) are prepared in the laboratory and analyzed to demonstrate analyte recovery accuracy.

2.5 Collection and Disposal of Investigation-Derived Waste

Investigation-derived waste (IDW) generated during the August/September 2014 groundwater monitoring event included purge water and decontamination fluids. Purge water and decontamination fluids were placed in a purge water tank located at the former Benchmark property. A water sample was collected from the purge water tank and submitted to the laboratory for analysis per Section 3.5.4 of the FSP before disposal. IDW generated during the event was disposed as described in Section 5.9 of the FSP.

3.0 DATA VALIDATION AND FINDINGS

This section summarizes the procedures and findings for validation of analytical data from the groundwater monitoring event. Laboratory reports and COC forms are in Appendix C.

3.1 Data Validation Methodology

Data validation for the SZ-South August/September 2014 groundwater monitoring event was performed by Conestoga-Rovers & Associates (CRA) as described in Section D.2 of the QAPP (Orion, 2012c). Level IV data packages were submitted for all data. Ten percent of the data were validated in accordance with laboratory specific limits methodology, *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (USEPA, 2008), and *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Data Review* (USEPA, 2010). A lower level QA/QC review was performed on the remaining data. Once data validation was complete, the project database was updated to add the data validation flags and/or other changes.

3.2 Reporting

CRA's laboratory data validation memorandum is in Appendix D. Data validation findings and qualifications are summarized in Tables 4 through 11 of the data validation memorandum.

3.3 Data Validation Findings

The data were found to exhibit acceptable levels of accuracy and precision for use with the qualifications noted on the analytical tables. The following data were qualified:

- Hexavalent chromium results in 14 samples were qualified as estimated (flagged with a J) or nondetect with an estimated reporting limit due to insufficient sample preservation
- VOCs in 53 samples were qualified as estimated (flagged with a J), nondetect, or nondetect with an estimated reporting limit due to outlying continuing calibration results
- Chromium, copper, iron, and zinc in 15 samples were qualified as nondetect due to method blank contamination

- VOC and SVOCs in 5 samples were qualified as estimated (flagged with a J) or nondetect with an estimated reporting limit due to outlying of surrogate recoveries
- Bromoform and zinc results in wells W22 and W60B, respectively, were qualified as nondetect with an estimated reporting limit due to outlying matrix spike/matrix spike duplicate results
- VOCs, SVOCs, metals, and general chemistry results in 76 samples were qualified as nondetect or nondetect with an estimated reporting limit due to analyte concentrations in the rinse blanks
- NDPA in well W64B was qualified as estimated (flagged with a J) due to variability in field duplicate results
- 1,4-Dioxane results in 5 samples were qualified as estimated (flagged with a J) due to estimated sample volume
- All trip blank results were nondetect for the compounds of interest
- All laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries and percent differences were within laboratory control limits
- All field duplicate results were within acceptable agreement.

No systematic laboratory errors or significant data biases were observed based on this data validation. The following is a summary of the data validation findings:

- No data were rejected from the August/September 2014 event
- Approximately 98 percent of the August 2014 data were within criteria and did not require qualification
- Approximately 2 percent of the August 2014 data were qualified as estimated
- The data are acceptable and usable for project objectives.

3.4 Data Storage

Laboratory reports and COCs are included in Appendix C. The project database, Environmental Quality Information System (EQuIS), is managed by CRA and is stored on a secure server at CRA's data center. The EQuIS database includes all analytical results with

laboratory and validation qualifiers. Full copies of the laboratory reports and COCs in portable document format (PDF) consistent with Adobe Systems, Inc., software format are stored in the Orion electronic project files.

3.5 Data Quality Assessment and QC Data

This section provides an assessment of the data quality in terms of the data quality parameters including precision, accuracy, representativeness, comparability, and completeness (PARCC). Descriptions of the PARCC parameters can be found in Section A.4.2 of the QAPP (Orion, 2012c).

Precision

Precision is a measure of mutual agreement among individual measurements of the same property, usually under prescribed similar conditions. Precision is best expressed in terms of the standard deviation around the mean or relative percent difference (RPD) between two samples. The RPD between field duplicate samples, MS/MSD samples, and LCS/LCSD samples were evaluated and acceptable analytical accuracy was achieved for the project requirements.

Accuracy

Accuracy is the degree of conformity of a measurement (or an average of measurements of the same parameter), X, with an accepted reference or true value, T, usually expressed as the difference between the two values, X-T, or the difference as a percentage of the reference or true value, 100 (X-T)/T, and sometimes expressed as a ratio, (X/T) 100 (equal to percent recovery).

Accuracy is a measure of the bias in a system. Internal laboratory QA/QC samples (MS/MSD recoveries, LCS/LCSD recoveries, surrogate recoveries, and internal standards) were evaluated during data validation and, overall, accuracy was met for this sampling event.

Representativeness

Representativeness is the degree to which data accurately and precisely represents the true value of a characteristic of a population, parameter variations at a sampling point, a process condition, or an environmental condition that is intended to be characterized.

Representativeness of reported results depends upon a number of considerations including proper monitoring design; selection of appropriate field methodology; proper sample preparation, preservation and handling; selection and execution of appropriate analytical methodology; and proper sample identification and reporting of results. These considerations were met for this sampling event. Representativeness was also met by equipment blanks, trip blanks, and duplicates which were used to assess field and transport sample contamination and method variation.

Completeness

Completeness is a measure of the amount of valid data expressed as a percentage obtained from a measurement system and compared to the amount that was expected to be obtained under normal conditions. For this project, the completeness parameter was met through the data validation process. All data were reviewed for this project, as discussed in the data validation memorandum in Appendix D.

Comparability

Comparability is the confidence with which one data set can be compared to another. Comparability for this project is based on using similar sampling methodology, analytical methodology, and units of reported data for the data collected and from the different sampling events. The data collected during this sampling event are comparable with previous events by use of consistent methods and consistent units.

4.0 RESULTS AND DISCUSSION

This section summarizes the results from the SZ-South August/September 2014 groundwater monitoring event.

4.1 Groundwater Elevation Data

Depth to water measurements were collected from all available SZ-South monitoring wells during this event in coordination with the SZ-North and IZ remedies. Water-level elevations were calculated by subtracting the depth to water from the elevation of the reference point for each monitoring well. The reference point elevations for the SZ-South wells are consistent with the 1988 North American Vertical Datum (NAVD). Recent water-level elevation measurements are summarized in Table 2, and historical water-level measurements are summarized in Appendix E. Depths to water measurements from selected wells were used to evaluate the direction and gradient of groundwater flow in the SZ, UIZ, and LIZ.

4.1.1 Hydrographs

Hydrographs for SZ-South monitoring wells are shown on Figures 4-1 through 4-40. Water-level fluctuations in SZ-South monitoring wells show a similar pattern over time. In general, groundwater elevations increased in 2010 and 2011 followed by a decrease in groundwater elevations in 2012 through September 2014. Figure 5 shows the annual rainfall data for Covina, California. Increases in groundwater elevation in 2010 and 2011 and decreases in 2012 through September 2014 correlate to above average rainfall in 2010 and 2011 and below average rainfall in 2012 through September 2014.

4.1.2 Water-Level Contour Maps

Groundwater elevation contour maps were prepared using the water levels collected during the coordinated event with the SZ-North and IZ remedies (Figures 6-1 through 10-2). Within the PVOU, a downward piezometric head gradient is generally observed at well pairs and clusters with multiple screens throughout the SZ. Without consideration of these vertical distinctions within the SZ, contouring the piezometric head data would be misleading. Therefore, SZ wells were categorized into two generalized groups for the

purpose of contouring piezometric heads and understanding horizontal groundwater head gradients. These groups are (1) wells at or near the upper portion of the SZ (SZ1) and (2) wells at or near the bottom of the SZ (SZ2). Professional judgment was applied in categorizing the wells based on each well's screened interval, the location of the water table, and observed piezometric heads compared with other nearby wells. The contour maps resulting from this categorization represent the general groundwater gradients in the SZ1 and SZ2 depth intervals.

For the purpose of this report, groundwater elevation contour maps were prepared for the following zones:

- Shallow Zone – SZ1 (Figures 6-1, 6-2, 6-3, 8-1, 8-2, 8-3, 8-5, and 8-6)
- Shallow Zone – SZ2 (Figures 7, 8-4, and 8-7)
- UIZ (Figure 9)
- LIZ – LIZ1 (Figure 10-1)
- LIZ – LIZ2 (Figure 10-2).

4.1.3 Calculated Hydraulic Gradients

Horizontal gradients were calculated for SZ1, SZ2, UIZ, LIZ1, and LIZ2 wells and are shown on Figures 8-5, 8-7, 9, 10-1, and 10-2, respectively. The horizontal gradients in the SZ, UIZ, and LIZ are summarized below:

SZ1 – The horizontal gradient near the former Benchmark property is variable between 0.01 to the north-northeast and 0.02 to the northwest. The horizontal gradient at Puente Creek is 0.01 to the north-northeast.

SZ2 – The horizontal gradient near the former Benchmark property is 0.01 to the north. The horizontal gradient just north of Puente Creek is 0.004 to the north-northwest.

UIZ – The horizontal gradient near the former Benchmark property is 0.01 to the north. The horizontal gradient just north of Puente Creek is 0.01 to the north.

LIZ1 – The horizontal gradient near the former Benchmark property is 0.02 to the northwest. The horizontal gradient just north of Puente Creek is variable between 0.003 to the northwest and 0.02 to the southwest.

LIZ2 – The horizontal gradient near the former Benchmark property is 0.02 to the northwest. The horizontal gradient just north of Puente Creek is 0.02 to the northeast.

4.2 Groundwater Quality Data

This section discusses the analytical results for the March 2014 semiannual and August/September 2014 annual comprehensive groundwater monitoring events. Analytical results for the March 2014 sampling event were included in the basic Semiannual Groundwater Monitoring Report (Orion, 2014b) submitted to USEPA on 12 May 2014. Table 3 provides a summary of detected compounds for the August/September 2014 groundwater monitoring event. VOC analytical results for the W, AV-MW, and TW wells from June 2012 through September 2014 are summarized in Table 4, and VOC results for the EW, PZ, and Z4 wells from November 1995 to September 2014 are summarized in Table 5. Metals results for all wells are summarized in Table 6. Historical VOC analytical results are in Appendix E. A summary of all analytical results for the March 2014 and August/September 2014 groundwater monitoring events is in Appendix F. Primary (not duplicate or split) sample results were used for the preparation of plume maps and in trend analyses.

4.2.1 Summary of Most Frequently Detected Compounds

PCE, TCE, 1,1-DCE, and 1,4-dioxane were the most frequently detected VOCs for the August/September 2014 annual comprehensive groundwater monitoring event. PCE, TCE, 1,1-DCE, and 1,4-dioxane results for the March 2014 semiannual groundwater monitoring event (Orion, 2014b) and August/September 2014 annual comprehensive groundwater monitoring event are summarized below.

Laboratory Results for March 2014 Event (123 wells sampled)

The highest concentrations of PCE and 1,4-dioxane were detected at well W34A at 74 micrograms per liter (µg/l) and 310 µg/l, respectively. Well W34A is screened in the SZ and located in the northern portion of the former Benchmark property. Well W9 contained the highest TCE concentration of 2,300 µg/l. Well W9 is screened in the SZ and located along the northern property line of the former Benchmark site. Well W34A contained the highest 1,1-DCE concentration of 7,200 µg/l. Well W34A is screened in the

SZ and located on the former Benchmark property. These data were previously reported to USEPA (Orion, 2014b).

Laboratory Results for August/September 2014 Event (128 wells sampled)

PCE was detected in all of the wells sampled, except for wells W56C and W67A. TCE was detected in 124 of the wells sampled. The highest PCE and TCE concentrations were detected in wells W9 and W28A at 76 and 2,800 µg/l, respectively. Well W9 is screened in the SZ and located along the northern property line of the former Benchmark property. Well W28A is screened in the SZ and located in the northern portion of the former Benchmark property. 1,1-DCE was detected in 117 of the wells sampled. The highest 1,1-DCE concentration of 7,200 µg/l was detected in well W34A. Well W34A is screened in the SZ and is located on the northern portion of the former Benchmark property. 1,4-dioxane was detected in 123 of the wells sampled. The highest 1,4-dioxane concentration was detected in well W44A at 450 µg/l. Well W44A is screened in the SZ and is located on the Perez property downgradient of the former Benchmark property.

4.2.1.1 Volatile Organic Compounds

PCE, TCE, 1,1-DCE, and 1,4-dioxane were the most frequently detected VOCs for the August/September 2014 annual comprehensive groundwater monitoring event.

PCE

PCE concentrations ranged from 0.4 to 76 µg/l. PCE concentrations were above the USEPA maximum contaminant level (MCL) of 5 µg/l in 110 wells, or 88 percent of the locations with detections. Detections of PCE above 5 times the MCL were reported in 41 wells. PCE concentrations above 20 times the MCL were not detected in any wells sampled during this monitoring event.

TCE

TCE concentrations ranged from 0.28J to 2,800 µg/l. TCE concentrations were above the USEPA MCL of 5 µg/l in 99 wells, or 79 percent of the locations with detections. Detections of TCE above 100 times the MCL were reported in 18 wells (W9, W28A, W29,

W30, W34A, W43A, W44A, W46, W51A, W51B, W55A, W56A, W62, W63A, W65B, W71A, Z4-3 and Z4-4), all of which are screened in the SZ.

1,1-DCE

1,1-DCE concentrations ranged from 0.21J to 7,200 µg/l. 1,1-DCE concentrations were above the California MCL of 6 µg/l in 70 wells, or approximately 60 percent of the locations with detections. Detections of 1,1-DCE above 100 times the MCL were reported in 17 wells (EW4, W9, W28A, W29, W30, W34A, W39B, W40, W42, W43A, W44A, W46, W56A, W62, W65B, Z4-3, and Z4-4), all screened in the SZ.

1,4-Dioxane

1,4-Dioxane concentrations ranged from 0.11 to 450 µg/l. 1,4-dioxane concentrations were above the California Department of Public Health State Notification Level (CDPH NL) of 1 µg/l in 83 wells, or approximately 68 percent of the locations with detections. Detections of 1,4-dioxane above 100 times the NL were reported in 14 wells (EW4, W9, W28A, W30, W34A, W39B, W43A, W44A, W46, W56A, W63A, W65B, Z4-3, and Z4-4), all of which are screened in the SZ.

4.2.1.2 Inorganic Compounds

Selenium, nickel, molybdenum, barium, vanadium, and perchlorate were the most frequently detected metals and inorganic compounds during the August/September 2014 semiannual groundwater monitoring event. Cyanide was only detected in well W44B at 0.003J µg/l.

Selenium

Selenium was detected in all wells sampled during this monitoring event, except for wells W21, W23, and W73B. Concentrations ranged from 0.65J to 30 µg/l. Selenium was not detected above the USEPA MCL of 50 µg/l.

Perchlorate

Perchlorate was detected in all of the wells sampled during this monitoring event, except for wells W57C and W73A, and concentrations ranged from 1.0 to 21 µg/l. Perchlorate

concentrations in approximately 32 percent of the detections were above the CDPH NL of 6 µg/l. Perchlorate was detected above the CPDH NL in 15 wells (EW2, PZ-1, PZ-2, PZ-7, W19, W24, W53C, W59, W67B, W67C, W68B, W69A, W69B, W72B, and W73B). Wells with detections of perchlorate above the CDPH NL are screened in the SZ, UIZ, and LIZ.

Hexavalent Chromium

Hexavalent chromium was detected in 96 of the wells sampled during this monitoring event and concentrations ranged from 0.056J to 33 µg/l. Hexavalent chromium concentrations were above the California MCL of 10 µg/l in approximately 7 percent of the detections. Detections of hexavalent chromium above 5 times the proposed California MCL were not reported in any wells sampled.

4.2.2 Most Frequently Detected Compounds Distribution

SZ PCE isoconcentration contour maps for the PVOU, the SZ-South, and a close-up of the former Benchmark property are on Figures 11-1, 11-2, and 11-3, respectively. The PCE plume is continuous over the SZ-South in the SZ as a regional contaminant in the PVOU. PCE concentrations at 10 times the MCL were observed on the western side of the SZ-South extending discontinuously from just west of the former Benchmark property north to Puente Creek. PCE concentrations were greater than 10 times the MCL were also observed on the eastern and southern sides of the former Benchmark property.

SZ TCE isoconcentration contour maps for the PVOU, the SZ-South, and a close-up of the former Benchmark property are on Figures 12-1, 12-2, and 12-3, respectively. The TCE plume is continuous over the SZ-South in the SZ. Concentrations greater than 10 and 20 times the MCL extend from the former Benchmark property to beyond Puente Creek, but shift to the east just north of Puente Creek. TCE concentrations greater than 100 times the MCL extend discontinuously from the northern portion of the former Benchmark site out to Puente Creek. TCE concentrations greater than 200 times the MCL extend discontinuously from the northern portion of the former Benchmark site to just north of Valley Boulevard.

SZ 1,1-DCE isoconcentration contour maps for the PVOU, the SZ-South, and a close-up of the former Benchmark site are on Figures 13-1, 13-2, and 13-3, respectively. The 1,1-DCE plume is continuous over the SZ-South in the SZ. 1,1-DCE concentrations greater than 10 and 20 times the MCL extend from former Benchmark site to beyond Puente Creek, but start to shift to the east and narrow just north of Puente Creek. 1,1-DCE concentrations greater than 100 times the MCL extend from the northern portion of the former Benchmark property to just south of Puente Creek. 1,1-DCE concentrations greater than 200 times the MCL extend from the northern portion of the former Benchmark site to just north of Valley Boulevard.

SZ 1,4-dioxane isoconcentration contour maps for the PVOU, the SZ-South, and a close-up of the former Benchmark property are on Figures 14-1, 14-2, and 14-3, respectively. The 1,4-dioxane plume greater than 5 times the MCL is continuous over most of the SZ-South in the SZ. 1,4-dioxane concentrations greater than 10 and 20 times the MCL extend from the former Benchmark property to beyond Puente Creek, but start to shift to the east and narrow at Puente Creek. 1,4-dioxane concentrations greater than 100 times the MCL extend discontinuously from the middle of the northern portion of the former Benchmark property boundary to just south of Puente Creek. Detections of 1,4-dioxane concentrations greater than 200 times the MCL were observed in several wells located along the former Benchmark northern property boundary, and well W56A located along Valley Boulevard. The contoured extent of VOCs in the PVOU, the SZ-South, and a close-up of the former Benchmark property are on Figures 15-1, 15-2, and 15-3, respectively.

Figure 16 is a cross section location map and Figures 17 through 23 are hydrogeologic cross sections for the SZ-South.

4.2.3 Temporal Changes in Contaminant Concentrations

This section discusses the observed temporal trends in contaminant concentrations.

4.2.3.1 Time-Series Plots for Contaminant Concentrations

Time-series plots for historical wells W2 through W25, EW1 through EW4, PZ-1 through PZ-7, and Z4-1 through Z4-5 showing the temporal trends in concentrations for TCE,

1,1-DCE, 1,1,1-trichloroethane, and 1,4-dioxane are on Figures 4-1 through 4-40. With the exception of TCE in well W16, the time series plots show that concentration fluctuations for this monitoring event are within the range of previous monitoring events. The concentration of TCE in well W16 during the August/September 2014 event was 120 µg/l, while the highest TCE concentration previously detected in that well was 110 µg/l in November 2003.

4.2.3.2 Trend Analysis

CRA completed statistical trend analyses to evaluate statistically significant trends in the concentrations of PCE, TCE, 1,1-DCE, 1,4-dioxane, and hexavalent chromium in groundwater in the SZ-South.

Method

Methods for statistical trend testing are discussed in Chapter 17 of the *USEPA Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance* (USEPA, 2009), Section 4.3 of the *USEPA Data Quality Assessment: Statistical Methods for Practitioners* (USEPA, 2006), Chapter 12 of the U.S. Geological Survey *Statistical Methods In Water Resources* (USGS, 2002), and other relevant guidance and reference texts. One trend test suitable for general use in assessing environmental data is the Mann-Kendall (M-K) test, which was selected for the current analysis. This test is non-parametric (rank-based) and is therefore robust with respect to the presence of outlying observations. The M-K does not assume a particular data distribution (e.g., normal) or data pattern tested (e.g., linear trend), but rather tests for a consistent monotonic (single direction) trend. Although the M-K is not as powerful as parametric tests under optimal conditions (i.e., when the assumptions of the parametric tests are satisfied), it is as powerful (or more) for typical environmental data sets. Directions for carrying out the M-K test are available in Section 17.3.2 of the USEPA statistical analysis guidance document (USEPA, 2009). Trend tests were performed using a proprietary Microsoft Excel add-in prepared and validated by CRA.

The trend tests were performed separately for each well. In carrying out the M-K trend test, a significance level of 0.05 (i.e., 95 percent confidence) was applied for identifying statistically significant trends. In this study, an "INC" (increasing) or "DEC" (decreasing)

designation means that an identified trend is statistically significant at a 95 percent confidence level, whereas an "NS" (not significant) designation means either no trend is present in the underlying population or that evidence of a trend is currently weak and not statistically significant at a 95 percent confidence level.

The M-K test requires a minimum of four unique observations for computation, and increases in statistical power with larger sample sizes. A sample size of 10 to 12 is preferred, but trend testing may be carried out for smaller sample sizes. It should be noted, however, that when only four points are available, the confidence level applied in the test must be reduced to 90 percent, since it is mathematically impossible to achieve 95 percent confidence with fewer than five points.

One of the strengths of using the M-K test to assess environmental data is its ability to handle non-detects (concentrations below the method detection limit). Although the numeric concentrations are not known for non-detect results, they may be ranked as having lower values than detected results. To prevent a change in detection limits over time being identified as indicative of a trend, for the purposes of this study, any non-detects were treated as being tied (i.e., having the same concentration) and below the detected values.

Other data preprocessing included the inclusion of estimated ("J" qualified) data at the estimated value, the use of a single average value for field duplicate samples, and removal of laboratory replicates and sample splits.

Trend Analyses for VOC and Hexavalent Chromium Concentrations

Available historical concentration measurements for the SZ-South were included in the analysis. Table 7 shows the matrix of the trend analyses completed on data from 125 SZ-South monitoring wells for five contaminants. A total of 625 well and chemical compound concentration pairs were analyzed. Trends could not be statistically analyzed for 315 data pairs mainly because of non detectable concentrations and/or an insufficient number of sampling rounds for some wells. During the August/September 2014 groundwater monitoring event, 38 of the wells sampled had only been sampled once or twice previously. Of the remaining 310 data pairs with sufficient data to perform the trend analysis, 78 pairs showed a decreasing trend, 16 pairs showed an increasing trend, and

the remaining 216 pairs showed no significant trend. The spatial distribution of the trends for PCE, TCE, 1,1-DCE, and 1,4-dioxane are on Figures 24-1 through 27-2.

PCE – Of the 125 wells analyzed, 25 showed a decreasing trend, 4 showed an increasing trend, 34 showed no significant trend, and 62 had insufficient data. Wells with decreasing trends were observed throughout the former Benchmark property and downgradient of the former Benchmark property at Valley Boulevard, Nelson Avenue, and Flagstaff Street. An increasing trend was shown at well W11 (SZ) located in the northwestern corner of the former Benchmark property and downgradient at wells W17 (SZ) and W21 (UIZ) located on Valley Boulevard. An increasing trend also was shown at well W60A (SZ) on the western side of Valley Boulevard. The majority of wells with no significant trend were located near the northern portion of the former Benchmark property and along Nelson Avenue.

TCE – Of the 125 wells analyzed, 23 showed a decreasing trend, 3 showed an increasing trend, 37 showed no significant trend, and 62 had insufficient data. Wells with decreasing trends were observed throughout the former Benchmark property and downgradient of the former Benchmark property at Valley Boulevard and Flagstaff Street. An increasing trend was observed at well W28A (SZ) and Z4-1 (SZ) located in the northern portion of the former Benchmark property, and at well W21 (LIZ) on Valley Boulevard. The majority of wells with no significant trend were located near the northern portion of the SZ and along Nelson Avenue.

1,1-DCE – Of the 125 wells analyzed, 19 showed a decreasing trend, 1 showed an increasing trend, 43 showed no significant trend, and 62 had insufficient data. Wells with decreasing trends were observed throughout the former Benchmark property. Decreasing trends were also observed at wells W13 (SZ) and W14 (UIZ) on Valley Boulevard and at well W24 (SZ) on Flagstaff Street. An increasing trend was observed at well W22 (LIZ) located on Flagstaff Street. The majority of wells with no significant trend were located near the northern portion of the former Benchmark property and along Nelson Avenue and Flagstaff Street.

1,4-Dioxane – Of the 125 wells analyzed, 10 showed a decreasing trend, 2 showed an increasing trend, 51 showed no significant trend, and 62 have insufficient data. The

majority of the wells with decreasing trends were located near the northern portion of the former Benchmark property. Decreasing trends were also shown at wells W13 (SZ) and W17 (SZ) on Valley Boulevard, and well EW2 (SZ) on Flagstaff Street. An increasing trend was observed at well PZ-1 (UIZ) located on Flagstaff Street and well W63B (UIZ) located near Nelson Avenue. The majority of the wells with no significant trend were located on the former Benchmark property, along Valley Boulevard, and near Nelson Avenue.

Hexavalent chromium – Of the 125 wells analyzed, 1 showed a decreasing trend, 6 showed an increasing trend, 51 showed no significant trend, and 67 had insufficient data. A decreasing trend was observed at well Z4-5 (SZ) located along the northern portion of the former Benchmark property boundary. Increasing trends were observed at SZ wells W26, W31, W39B, W43A, and UIZ well W34B located in the northern portion of the former Benchmark property. An increasing trend was also observed at well W14 (UIZ) on Valley Boulevard. The majority of the wells with no significant trend were located on and near the former Benchmark property, and along Valley Boulevard, Nelson Avenue, and Flagstaff Street.

Summary of Trend Analyses

In general, the majority of wells with sufficient data to perform a trend analysis showed no significant trend. For the wells that did show a significant trend, the majority showed a decreasing trend for all compounds included in the trend analysis. A fewer number of wells showed increasing concentration trends, most of which are observed downgradient of the former Benchmark property. The following table summarizes wells with increasing and decreasing trends:

Well ID	PCE	TCE	1,1-DCE	1,4-Dioxane	Hexavalent Chrome
EW2	DEC[a]	DEC	NS[b]	DEC	NS
PZ-1	NS	NS	NS	INC[c]	NS
W2	DEC	DEC	DEC	NS	NS
W4	DEC	DEC	DEC	NS[d]	NS[d]
W5	DEC	DEC	DEC	NS	NS
W6	DEC	DEC	DEC	NS[d]	NS[d]
W9	DEC	DEC	DEC	DEC	NS
W10	DEC	DEC	DEC	DEC	NS
W11	INC	NS	NS	NS	NS

Well ID	PCE	TCE	1,1-DCE	1,4-Dioxane	Hexavalent Chrome
W13	DEC	DEC	DEC	DEC	NS
W14	DEC	DEC	DEC	NS	INC
W17	INC	DEC	NS	DEC	NS
W20	NS	DEC	DEC	DEC	NS
W21	INC	INC	NS[d]	NS[d]	NS[d]
W22	DEC	NS	INC	NS[d]	NS[d]
W24	DEC	DEC	DEC	NS	NS
W26	DEC	NS	NS	NS	INC
W28A	NS	INC	NS	NS	NS
W31	DEC	DEC	DEC	NS	INC
W32	DEC	DEC	DEC	NS	NS
W33	NS	DEC	DEC	DEC	NS
W34B	NS	NS	NS	NS	INC
W38	DEC	DEC	DEC	NS	NS
W39B	NS	DEC	NS	NS	INC
W41	DEC	DEC	DEC	NS	NS
W43A	NS	NS	NS	NS	INC
W60A	INC	NS	NS	NS	NA
W63B	NS	NS	NS	INC	NA
Z4-1	DEC	INC	DEC	DEC	NS
Z4-2	DEC	DEC	DEC	DEC	NS
Z4-5	DEC	DEC	DEC	DEC	DEC

(a) DEC - Decreasing trend.
(b) NS - No significant trend.
(c) Less than half of the data are detections.
(d) INC - Increasing trend.

5.0 SUMMARY OF FINDINGS

This section summarizes the major findings from the SZ-South August/September 2014 groundwater monitoring event.

5.1 Groundwater Flow

Depth to water measurements were collected from 138 wells and used to calculate groundwater elevations. The water-level measurements were coordinated with the SZ-North and IZ sampling events. Groundwater elevation contour maps were prepared using the water level data collected from SZ-South monitoring wells in August 2014 (Figures 6-1 through 10-2). Hydrographs for SZ-South monitoring wells were prepared to review temporal water level variations in the SZ-South (Figures 4-1 to 4-40).

In general, groundwater elevations in the SZ decreased from 2012 through September 2014 after increasing in 2010 and 2011. Changes in groundwater elevations correlate to above average rainfall in 2010 and 2011 and below average rainfall in 2012 through September 2014. Water levels in the SZ at the former Benchmark property in August 2014 decreased an average of 2.2 feet since March 2014. Water levels in the SZ at Valley Boulevard in August 2014 decreased an average of 3.6 feet since March 2014. Water levels in the SZ north of Valley Boulevard in August 2014 decreased an average of 4.7 feet since March 2014.

5.2 Contaminant Detections

There were no significant changes to contaminant distributions or new contaminants observed during this monitoring event. Concentration fluctuations were within the range of previous monitoring events. The following table summarizes the contaminant detections:

Analyte	Number of Locations with Detections	Range of Detected Concentrations (µg/l)	Location of Maximum Detect	Screening Level (µg/l)	Number of Locations Exceeding Screening Level	Percentage of Locations Exceeding Screening Level
PCE	125	0.4 to 76	W9	5	110	88%
TCE	123	0.28 J to 2,800	W28A	5	99	80%
1,4-Dioxane	122	0.11 to 450	W44A	1	83	68%
1,1-DCE	116	0.21 J to 7,200	W34A	6	70	60%
Perchlorate	47	1 to 21	W59	6	15	32%
Hexavalent Chromium	95	0.056 J to 33	W58B	10	7	7%
Selenium	124	0.65 J to 30	W35	50	0	0%

There were no detections of PCE reported over 100 µg/l during this monitoring event. TCE concentrations above 200 times MCL (1,000 µg/l) were reported in five wells. 1,1-DCE concentrations above 200 times MCL (1,200 µg/l) were reported in 12 wells. 1,4-dioxane concentrations above 200 times the NL (200 µg/l) were reported in six wells.

5.3 Plume Extent for Main Contaminants

SZ isoconcentration contour maps for the PVOU, SZ-South, and a close-up of the former Benchmark property were prepared for PCE, TCE, 1,1-DCE, and 1,4-dioxane to show the lateral extent of contamination.

The PCE plume is continuous over the SZ-South in the SZ. PCE concentrations at 10 times the MCL were observed on the western side of the SZ-South extending discontinuously from just west of the former Benchmark property north to Puente Creek. PCE concentrations were greater than 10 times the MCL on the eastern and southern sides of the former Benchmark property.

The TCE plume is continuous over the SZ-South in the SZ. TCE concentrations greater than 10 and 20 times the MCL extend from the former Benchmark property to beyond Puente Creek, but shift to the east just north of Puente Creek. TCE concentrations greater than 100 times the MCL extend discontinuously from the northern portion of the former Benchmark property but stop short of Puente Creek. TCE concentrations greater than

200 times the MCL extend discontinuously from the northern portion of the former Benchmark site to just north of Valley Boulevard.

The 1,1-DCE plume is continuous over the SZ-South in the SZ. Concentrations greater than 10 and 20 times the MCL extend from the former Benchmark property to beyond Puente Creek, but start to shift to the east and narrow just north of Puente Creek. 1,1-DCE concentrations greater than 100 times the MCL extend from the northern portion of the former Benchmark site to just south of Puente Creek. 1,1-DCE concentrations greater than 200 times the MCL extend from the northern portion of the former Benchmark site to just north of Valley Boulevard.

The 1,4-dioxane plume greater than 5 times the MCL is continuous over most of the SZ-South in the SZ. Concentrations greater than 10 and 20 times the MCL extend from the former Benchmark property to beyond Puente Creek, and begin to shift to the east and narrow at Puente Creek. 1,4-dioxane concentrations greater than 100 times the MCL extend discontinuously from the middle of the former Benchmark northern property boundary but stop short of Puente Creek. Detections of 1,4-dioxane concentrations greater than 200 times the MCL were observed in wells located along the former Benchmark northern property boundary, and well W56A located along Valley Boulevard.

5.4 Temporal Concentration Trends

Statistical trend analyses were completed to evaluate statistically significant trends in the concentrations of PCE, TCE, 1,1-DCE, 1,4-dioxane, and hexavalent chromium in groundwater in the SZ-South. In general, the majority of wells with sufficient data to perform a trend analysis showed no significant trend. For the wells that did show a significant trend, the majority showed a decreasing trend for all compounds included in the trend analyses.

15 wells showed increasing concentration trends, most of which were observed near the northern portion of the former Benchmark and downgradient , except for PCE. Most of the wells showing an increasing trend for PCE were located on the western side of the plume. Wells on Nelson Avenue and Flagstaff Street generally showed no significant trend for the compounds included in the trend analyses or had insufficient data for trend analyses.

6.0 RECOMMENDATIONS

Orion recommends the following activities based on the results of the August/September 2014 groundwater monitoring event:

- ☐ Prepare and submit to USEPA a sampling plan for the next semiannual event
- ☐ Conduct the groundwater monitoring event in first quarter 2015 including the same wells, sampling procedures, and analytes to collect additional data for the trend analyses (Note: no well repairs are planned).

7.0 REFERENCES

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Orion Environmental Inc., 2014a. "Groundwater Sampling Plan, 2014 Annual Comprehensive Groundwater Monitoring Event, Shallow Zone South of Puente Creek, City of Industry, California," prepared for Northrop Grumman Systems Corporation, 2 July.

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U.S. Geological Survey, 2002. *Statistical Methods in Water Resources*, September.

TABLE 1

WELL CONSTRUCTION DETAILS SUMMARY
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Boring ID	Hydrologic Unit[a]	X Coordinate (US Survey feet, NAD83)	Y Coordinate (US Survey feet, NAD83)	Surface Elevation (feet, MSL[b] NAVD88)	Top of Casing Elevation (feet, MSL NAVD88)	Depth to Screen Top (feet, bgs)[c]	Depth to Screen Bottom (feet, bgs)	Total Depth (feet, bgs)	Total Depth Drilled (feet, bgs)	Borehole Diameter (inches)	Casing Diameter (inches)	Screen Material	Screen Slot Size (inches)	Casing Material	Filter Pack Grade	Filter Pack Top (feet, bgs)	Filter Pack Bottom (feet, bgs)	Drilling Method	Annular Seal Material	Annular Seal Top (feet, bgs)[d]	Annular Seal Bottom (feet, bgs)[d]
EW1	EW1	SZ	6572125.2	1834088.7	310.15	309.87	60	100	100	101	8	4	PVC[e]	0.030	SCH40 PVC	#1C	56	101	Sonic	Concrete Bentonite Grout Bentonite Chips	0 2 51	2 51 56
EW2	EW2	SZ	6573086.9	1833549.4	314.74	314.37	40 60 85	47 65 105	110	111	9	5	Stainless Steel	0.035 (40-47 ft.) 0.015 (60-65 ft.) 0.035 (85-105 ft.)	SCH40 PVC	#2/12 #1/20 #0/30	35, 80 58 73	47.5, 105 65.5 80	Hollow-Stem Auger (Lithology) Sonic (Well Install)	Hydrated Bentonite Chips	31, 47.5, 65.5, 105	35, 58, 73, 111
EW3	EW3	SZ	6572391.3	1833854.0	311.31	310.97	40 63 75 90	51 68 80 100	105	111	8	5	Stainless Steel	0.050 (40-51 ft.) 0.015 (63-68 ft.) 0.040 (75-80 ft.) 0.010 (90-100 ft.)	SCH40 PVC (0-40 ft.) Stainless Steel (40-105 ft.)	8-mesh #1C #3	35 60 73, 87	51.5 68 80.5, 100.5	Hollow-Stem Auger (Lithology) Sonic (Well Install)	Concrete Bentonite Grout Slurry Hydrated Bentonite Chips	0 2 31, 51.5, 68.5, 80.5, 100.5	2 31 35, 60, 73, 87, 111
EW4	EW4	SZ	6572700.1	1833581.7	312.45	312.06	39 49 66 92	49 54 76 95	100	106	8	5	Stainless Steel	0.040 (39-49 ft.) 0.020 (49-54 ft.) 0.060 (66-76 ft.) 0.010 (92-95 ft.)	SCH40 PVC (0-39 ft.) Stainless Steel (39-100 ft.)	#3 #2/16 Med. Aquarium #0/30	35 49 63 86	49 54.5 76.5 95.5	Hollow-Stem Auger (Lithology) Sonic (Well Install)	Concrete Bentonite Grout Slurry Hydrated Bentonite Chips	0 2 31, 54.5, 76.5, 95.5	2 31 35, 63, 86, 106
TW1	IP-20	SZ	6571290.5	1832517.3	305.30	307.54	83	88	89	130	6	2	PVC	0.020	SCH40 PVC	#2/16	81	90	Sonic	#60 Sand/Bentonite Pellets	75	81
PZ-1	PZ-1	UIZ	6573080.2	1833590.2	314.24	314.04	116	121	121	122	6	2	PVC	0.020	PVC	#2/16	113.5	122	Sonic	Bentonite Grout Bentonite Chips	2 108	108 113.5
PZ-2	PZ-2	UIZ	6573083.1	1833554.5	314.72	314.17	125	140	140	147	6	2	PVC	0.020	PVC	#2/12	122.5	142	Sonic	Bentonite Grout Bentonite Chips	2 118	118 122.5
PZ-3	PZ-3	SZ	6572584.3	1833683.7	312.10	311.72	59	99	99	100	6	2	PVC	0.020	PVC	#3	57	100	Sonic	Bentonite Grout Hydrated Bentonite Chips	2 52	52 57
PZ-4	PZ-4	SZ	6572092.7	1834117.3	310.64	310.26	40 65 81	65 73 90	95.5	97.5	12	6	Wire Wrap Stainless Steel	0.015 (10-65 ft.) 0.025 (65-73 ft.) 0.035 (81-90 ft.)	SCH80 PVC (0-40 ft.) SCH40 PVC (73-81 ft.) Stainless Steel (40-73 ft. & 81-95 ft.)	#1C #2/16 #3	38 62 78	62 74 97.5	Hollow-Stem Auger	Concrete Bentonite Grout Slurry Hydrated Bentonite Chips	0 2 33, 74	2 33 38, 78
PZ-5	PZ-5	SZ	6572376.6	1833867.5	311.25	310.93	60	100	100	101	8	4	PVC	0.030	PVC	#3	57	101	Sonic	Bentonite Grout Hydrated Bentonite Chips	2 52	52 57
PZ-6	PZ-6	SZ	6572774.2	1833516.0	312.66	312.26	60	100	100	102	8	4	PVC	0.030	PVC	#3	58	102	Sonic	Bentonite Grout Hydrated Bentonite Chips	2 54	54 58
PZ-7	PZ-7	SZ	6572929.4	1833166.9	312.03	311.65	60	100	100	102	8	4	PVC	0.030	PVC	#3	58	102	Sonic	Bentonite Grout Hydrated Bentonite Chips	2 54	54 58
W1	W1	SZ	6572505.7	1831458.4	309.30	308.97	25	45	45	45	NA[f]	2	PVC	0.02	PVC	#3	20	45	Hollow-Stem Auger	Bentonite Pellets	18	20
W2	W2	SZ	6571898.6	1831610.5	308.34	307.94	24	54	54	55	10	4	Stainless Steel	0.010	SCH40 PVC	NA	21.5	55	Hollow-Stem Auger	Bentonite Pellets/ Bentonite Gel*	19	21.5
W3	W3	SZ	6572090.8	1831865.2	309.03	307.74	25	55	55	56	10	4	Stainless Steel	0.010	SCH40 PVC	NA	23	56	Hollow-Stem Auger	Bentonite Pellets/ Bentonite Gel*	20.5	23
W4	W4	SZ	6572592.0	1831000.3	312.87	312.40	22	52	52	53	10	4	Stainless Steel	0.010	SCH40 PVC	NA	20	53	Hollow-Stem Auger	Bentonite Pellets/ Bentonite Gel*	18	20
W5	W5	SZ	6572068.4	1831420.0	309.60	309.40	30	60	60	60	10	4	Stainless Steel	0.010	SCH40 PVC	#2/12	24	60	Hollow-Stem Auger	Bentonite Pellets	22	24
W6	W6	SZ	6572348.2	1831194.1	311.45	311.01	25	55	55	55	10	4	Stainless Steel	0.010	SCH40 PVC	#2/12	19	55	Hollow-Stem Auger	Bentonite Pellets	17	19
W7	W7	SZ	6572755.7	1831355.6	313.10	312.51	30	60	60	60	10	4	Stainless Steel	0.010	SCH40 PVC	#2/12	24	60	Hollow-Stem Auger	Bentonite Pellets	22	24
W8	W8	SZ	6572612.3	1831499.8	310.60	309.68	30	60	60	60	10	4	Stainless Steel	0.010	SCH40 PVC	#2/12	24	60	Hollow-Stem Auger	Bentonite Pellets	22	24
W9	W9	SZ	6572404.8	1831663.6	309.60	308.61	30	60	60	60	10	4	Stainless Steel	0.010	SCH40 PVC	#2/12	24	60	Hollow-Stem Auger	Bentonite Pellets	22	24
W10	W10	SZ	6572214.8	1831805.2	310.40	309.26	30	60	60	60	10	4	Stainless Steel	0.010	SCH40 PVC	#2/12	24	60	Hollow-Stem Auger	Bentonite Pellets	22	24
W11	W11	SZ	6572083.4	1831858.6	308.82	308.46	88	98	98	110	10	4	Stainless Steel	0.010	SCH40 PVC	#2/12	83	98	Hollow-Stem Auger (0-35 ft.) Mud Rotary (35-110 ft.)	Quick Gel Bentonite Slurry	66	83
W12	W12	SZ	6572347.7	1832518.7	310.30	309.22	30	60	60	60	10	4	Stainless Steel	0.010	SCH40 PVC	#2/12	26	60	Hollow-Stem Auger	Bentonite Pellets	22	26
W13	W13	SZ	6572668.0	1832214.5	310.70	310.25	27	57.5	57.5	60	10	4	Stainless Steel	0.010	SCH40 PVC	#2/12	25	60	Hollow-Stem Auger	Bentonite Pellets	23	25
W14	W14	UIZ	6572850.6	1832031.9	311.30	310.93	85.25	95.25	95.25	105	10	4	Stainless Steel	0.010	SCH40 PVC/ Stainless Steel	#2/12	77	89	Mud Rotary	Bentonite Slurry	52	77
W15	W15	SZ	6572857.6	1832025.1	311.40	310.26	30	60	60	60	10	4	Stainless Steel	0.010	SCH40 PVC	NA	25	60	Hollow-Stem Auger	Bentonite Pellets	22	25
W16	W16	SZ	6573113.4	1831782.1	312.30	311.60	30	60	60	60	10	4	Stainless Steel	0.010	SCH40 PVC	#2/12	25	60	Hollow-Stem Auger	Bentonite Pellets	24	25
W17	--	SZ	6572104.2	1832751.5	309.10	308.85	75	85	85	93	10	4	Stainless Steel	0.020	SCH40 PVC	#2/16	73	85	Hollow-Stem Auger	Volclay Tablets	67	73
W18	--	SZ	6572845.7	1831292.4	313.80	313.83	70	80	80	88	10	4	Stainless Steel	0.020	SCH40 PVC	#2/16	68	80	Hollow-Stem Auger	Volclay Tablets	55	68
W19	--	UIZ	6572373.9	1831173.8	311.61	311.16	104	114	114	133	NA	4	Stainless Steel	0.020	SCH40 PVC	#2/16	102	117	Mud Rotary	Volclay Tablets	97	102
W20	--	SZ	6571897.6	1832055.0	308.10	307.65	68	78	78	91.5	10	4	Stainless Steel	0.020	SCH40 PVC (0-28 ft.) Stainless Steel (28-68 ft.)	#3	65	78	Hollow-Stem Auger	Bentonite Pellets	61	65
W21	--	LIZ	6572113.2	1832743.7	309.20	309.21	152	172	172	180	12.25	4	Stainless Steel	0.030	SCH40 PVC	#3	150	173	Mud Rotary	Volclay Grout	0	150
W22	--	LIZ	6573093.6	1833582.4	314.32	314.13	160	180	180	181	12.25	4	Stainless Steel	0.030	SCH40 PVC	#3	155	181	Mud Rotary	Volclay Grout	100	155
W23	--	LIZ	6573811.7	1832822.3	319.30	318.99	155.5	175.5	175.5	193	12.25	4	Stainless Steel	0.030	SCH40 PVC	#3	153	176	Mud Rotary	Bentonite	2	153

TABLE 1

WELL CONSTRUCTION DETAILS SUMMARY
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Boring ID	Hydrologic Unit[a]	X Coordinate (US Survey feet, NAD83)	Y Coordinate (US Survey feet, NAD83)	Surface Elevation (feet, MSL[b] NAVD88)	Top of Casing Elevation (feet, MSL NAVD88)	Depth to Screen Top (feet, bgs)[c]	Depth to Screen Bottom (feet, bgs)	Total Depth (feet, bgs)	Total Depth Drilled (feet, bgs)	Borehole Diameter (inches)	Casing Diameter (inches)	Screen Material	Screen Slot Size (inches)	Casing Material	Filter Pack Grade	Filter Pack Top (feet, bgs)	Filter Pack Bottom (feet, bgs)	Drilling Method	Annular Seal Material	Annular Seal Top (feet, bgs)[d]	Annular Seal Bottom (feet, bgs)[d]
W24	--	SZ	6573092.5	1833536.6	314.69	314.23	85	105	105	105	10	4	Stainless Steel	0.030	SCH40 PVC	#3	80	105	Hollow-Stem Auger	Bentonite	60	80
W25	--	UIZ	6573753.2	1832754.7	318.79	318.37	79	99	99	100	10	4	Stainless Steel	0.03	SCH40 PVC	#3	74	99	Hollow-Stem Auger	Bentonite	54	74
W26	SIP-1	SZ	6572108.7	1831853.8	309.43	309.09	75	85	86	107	9	2	PVC	0.020	SCH40 PVC	#2/16	73	88	Sonic	#60 Sand/Bentonite Pellets	66	73
W27	SIP-16	SZ	6572263.8	1831748.2	309.26	308.80	67	77	78	107.5	9	2	PVC	0.020	SCH40 PVC	#2/16	64.5	78.5	Sonic	#60 Sand/Bentonite Pellets	59	64.5
W28A	SIP-22A	SZ	6572249.3	1831670.5	307.64	307.32	51	56	56.5	57	8	2	PVC	0.020	SCH40 PVC	#2/16	49	57	Sonic	#60 Sand/Bentonite Pellets	43	49
W28B	SIP-22B	SZ	6572244.6	1831674.2	307.60	307.28	70	75	75.5	105	8	2	PVC	0.020	SCH40 PVC	#2/16	68	77	Sonic	#60 Sand/Bentonite Pellets	62	68
W29	SIP-25	SZ	6572323.4	1831569.9	308.62	308.25	65	75	80	104	6	2	PVC	0.020	SCH40 PVC	#2/16	63	77	Sonic	#60 Sand/Bentonite Pellets	57	63
W30	SIP-14	SZ	6572422.3	1831608.4	309.77	309.34	63	73	78	110.5	10	2	PVC	0.020	SCH40 PVC	#2/16	61	75	Sonic	#60 Sand/Bentonite Pellets	55	61
W31	SIP-2	SZ	6572411.0	1831562.3	308.72	308.30	63.5	73.5	78.5	108	9	4	PVC	0.020	SCH40 PVC	#2/16	61.5	75.5	Sonic	#60 Sand/Bentonite Pellets	56.5	61.5
W32	SIP-21	SZ	6572387.3	1831531.1	308.88	308.50	64	74	79	102.0	9	2	PVC	0.020	SCH40 PVC	#2/16	61.5	75.5	Sonic	#60 Sand/Bentonite Pellets	53	61.5
W33	SIP-17	SZ	6572481.7	1831570.1	310.12	309.72	64	74	74.5	105	9	4	PVC	0.020	SCH40 PVC	#2/16	62	75	Sonic	#60 Sand/Bentonite Pellets	60.5	62
W34A	SIP-3A	SZ	6572473.4	1831517.9	309.22	308.90	65	75	75.5	76.5	6	2	PVC	0.020	SCH40 PVC	#2/16	63	76	Sonic	#60 Sand/Bentonite Pellets	55	63
W34B	SIP-3B	UIZ	6572469.1	1831521.9	309.20	308.76	101	111	111.5	164	9	2	PVC	0.020	SCH40 PVC	#2/16	99	112.5	Sonic	#60 Sand/Bentonite Pellets	93	99
W35	SIP-26	SZ	6572451.2	1831484.5	309.18	308.67	65	75	75.5	104	9	2	PVC	0.020	SCH40 PVC	#2/16	62.5	77	Sonic	#60 Sand/Bentonite Pellets	56	62.5
W36	SIP-4	SZ	6572564.8	1831482.0	310.31	309.95	60	70	75	104	10	4	PVC	0.020	SCH40 PVC	#2/16	58	71	Sonic	#60 Sand/Bentonite Pellets	52	58
W37A	SIP-20	SZ	6572554.8	1831415.4	309.70	309.45	62	72	72.5	153.5	9.25	4	PVC	0.020	SCH40 PVC	#2/16	60	73.5	Sonic	#60 Sand/Bentonite Pellets	57	60
W37B	SIP-20B	UIZ	6572549.3	1831424.3	309.57	309.27	100	110	115	128	9	4	PVC	0.020	SCH80 PVC	#2/16	98	112	Sonic	#60 Sand/Bentonite Pellets	92	98
W38	SIP-6	SZ	6572553.4	1831374.6	310.17	309.78	61	71	71.25	105	9	2	PVC	0.020	SCH40 PVC	#2/16	58.5	73	Sonic	#60 Sand/Bentonite Pellets	52	58.5
W39A	SIP-27A	SZ	6572631.5	1831385.9	310.03	309.54	48	53	54	109	10	4	PVC	0.020	SCH80 PVC	#2/16	48	55	Sonic	#60 Sand/Bentonite Pellets	41	46
W39B	SIP-27B	SZ	6572638.6	1831380.5	310.09	309.77	60	70	71	97	6	2	PVC	0.020	SCH40 PVC	#2/16	58	72	Sonic	#60 Sand/Bentonite Pellets	52	58
W40	SIP-5	SZ	6572629.4	1831325.9	310.47	310.08	60	70	75	105	9	2	PVC	0.020	SCH40 PVC	#2/16	72	57	Sonic	#60 Sand/Bentonite Pellets	50	57
W41	SIP-8	SZ	6572381.4	1831206.5	310.87	310.45	65	75	80.5	154	9	4	PVC	0.020	SCH40 PVC	#2/16	63	77	Sonic	#60 Sand/Bentonite Pellets	56	63
W42	SIP-10	SZ	6572221.7	1831890.5	310.87	310.57	75	95	100	124	9	2	PVC	0.020	SCH40 PVC	#2/16	73	96	Sonic	#60 Sand/Bentonite Pellets	67	73
W43A	SIP-24A	SZ	6572396.6	1831673.9	309.60	309.28	65	75	76	77	9	4	PVC	0.020	SCH80 PVC	#2/16	63	77	Sonic	#60 Sand/Bentonite Pellets	57	63
W43B	SIP-24B	UIZ	6572390.1	1831679.9	309.80	309.06	102	112	114	128	9	4	PVC	0.020	SCH80 PVC	#2/16	100	114	Sonic	#60 Sand/Bentonite Pellets	93	100
W44A	SIP-11A	SZ	6572456.1	1831675.0	309.90	309.57	55	65	65.5	111	9	4	PVC	0.020	SCH80 PVC	#2/16	53	66	Sonic	#60 Sand/Bentonite Pellets	47	53
W44B	SIP-11B	UIZ	6572465.5	1831685.8	310.00	309.64	100	110	111	150	9	4	PVC	0.020	SCH80 PVC	#2/16	98	112	Sonic	#60 Sand/Bentonite Pellets	92	98
W44C	SIP-11C	UIZ	6572465.0	1831675.6	309.90	309.57	118	128	133	111	9	4	PVC	0.020	SCH80 PVC	#2/16	115	132	Sonic	#60 Sand/Bentonite Pellets	107	115
W45	SIP-18	SZ	6572652.8	1831494.1	312.66	312.08	63	73	74	118	9	4	PVC	0.020	SCH40 PVC	#2/16	60.5	75	Sonic	#60 Sand/Bentonite Pellets	55.2	60.5
W46	SIP-12	SZ	6572645.4	1831636.1	311.33	310.96	55	65	70	118	6	2	PVC	0.020	SCH40 PVC	#2/16	53	68	Sonic	#60 Sand/Bentonite Pellets	48	53
W47	SIP-33	SZ	6572798.6	1831283.3	311.53	311.08	55	65	70	116	9	4	PVC	0.020	SCH40 PVC	#2/16	52.5	67	Sonic	#60 Sand/Bentonite Pellets	46	52.5
W48	SIP-34	SZ	6571954.5	1831693.2	310.10	309.83	84	94	95	116	6	4	PVC	0.020	SCH40 PVC	#2/16	83	95	Sonic	#60 Sand/Bentonite Pellets	77	83
W49	SIP-35	SZ	6572172.7	1831367.0	309.33	308.93	69	79	80	120	6	2	PVC	0.020	SCH40 PVC	#2/16	67	81	Sonic	#60 Sand/Bentonite Pellets	60	67
W50A	SIP-15A	SZ	6571792.3	1832099.3	308.81	308.24	79	89	90	104	9	4	PVC	0.020	SCH80 PVC	#2/16	77	90	Sonic	#60 Sand/Bentonite Pellets	65.5	77
W50B	SIP-15B	UIZ	6571788.0	1832095.2	308.78	308.04	124	144	145	155	6	2	PVC	0.020	SCH40 PVC	#2/16	122	145	Sonic	#60 Sand/Bentonite Pellets	115	122
W51A	SIP-9A	SZ	6572033.2	1831912.3	308.52	308.18	73.5	78.5	80.0	80.5	8	4	PVC	0.020	SCH40 PVC	#2/16	72	80	Sonic	#60 Sand/Bentonite Pellets	66	72
W51B	SIP-9B	SZ	6572037.1	1831916.7	308.55	308.21	84	89	90	90	8	4	PVC	0.020	SCH40 PVC	#2/16	81	90	Sonic	#60 Sand/Bentonite Pellets	75.8	81
W51C	SIP-9C	UIZ	6572040.6	1831921.2	308.56	308.22	113	133	135	149	6	2	PVC	0.020	SCH40 PVC	#2/16	110.5	135	Sonic	#60 Sand/Bentonite Pellets	104.5	110.5
W52	SIP-37	SZ	6571945.7	1831806.5	307.96	307.67	78	88	93	124	6	2	PVC	0.020	SCH40 PVC	#2/16	76	93	Sonic	#60 Sand/Bentonite Pellets	70	76
W53A	IP-4A	SZ	6572605.2	1832286.6	310.70	310.36	67	77	78	78	8	4	PVC	0.020	SCH40 PVC	#2/16	65	78	Sonic	#60 Sand/Bentonite Pellets	59	65
W53B	IP-4B	UIZ	6572600.5	1832291.1	310.70	310.36	90	100	101	101.5	8	4	PVC	0.020	SCH40 PVC	#2/16	88	101	Sonic	#60 Sand/Bentonite Pellets	82	88
W53C	IP-4C	UIZ	6572595.5	1832295.7	310.70	310.47	116	126	127	150	9	4	PVC	0.020	SCH40 PVC	#2/16	114	127	Sonic	#60 Sand/Bentonite Pellets	107	114

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WELL CONSTRUCTION DETAILS SUMMARY
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Boring ID	Hydrologic Unit[a]	X Coordinate (US Survey feet, NAD83)	Y Coordinate (US Survey feet, NAD83)	Surface Elevation (feet, MSL[b] NAVD88)	Top of Casing Elevation (feet, MSL NAVD88)	Depth to Screen Top (feet, bgs)[c]	Depth to Screen Bottom (feet, bgs)	Total Depth (feet, bgs)	Total Depth Drilled (feet, bgs)	Borehole Diameter (inches)	Casing Diameter (inches)	Screen Material	Screen Slot Size (inches)	Casing Material	Filter Pack Grade	Filter Pack Top (feet, bgs)	Filter Pack Bottom (feet, bgs)	Drilling Method	Annular Seal Material	Annular Seal Top (feet, bgs)[d]	Annular Seal Bottom (feet, bgs)[d]
W54	SIP-38	SZ	6572420.6	1832126.6	311.14	310.62	70	80	81	150	8	4	PVC	0.020	SCH40 PVC	#2/16	68	81	Sonic	#60 Sand/Bentonite Pellets	61	68
W55A	IP-2A	SZ	6571930.5	1832949.5	309.50	308.89	80	90	91	92	8	4	PVC	0.020	SCH40 PVC	#2/16	78	91	Sonic	#60 Sand/Bentonite Pellets	71.9	78
W55B	IP-2B	UIZ	6571926.4	1832953.7	309.40	309.10	132	142	143	180	9	4	PVC	0.020	SCH40 PVC	#2/16	130	144	Sonic	#60 Sand/Bentonite Pellets	124	130
W56A	IP-3A	SZ	6572313.0	1832567.6	310.00	309.49	72	82	83	84	8	4	PVC	0.020	SCH40 PVC	#2/16	70	84	Sonic	#60 Sand/Bentonite Pellets	63.6	70
W56B	IP-3B	SZ	6572308.8	1832571.9	309.90	309.35	95	100	101	101	8	4	PVC	0.020	SCH40 PVC	#2/16	93	101	Sonic	#60 Sand/Bentonite Pellets	87	93
W56C	IP-3C	LIZ	6572304.4	1832576.3	309.80	309.45	152	162	163	180	9	4	PVC	0.020	SCH40 PVC	#2/16	150	163	Sonic	#60 Sand/Bentonite Pellets	144	150
W57A	IP-1A	SZ	6571617.0	1833226.7	308.80	308.26	81	91	92	92	8	4	PVC	0.020	SCH40 PVC	#2/16	79	92	Sonic	#60 Sand/Bentonite Pellets	73	79
W57B	IP-1B	UIZ	6571612.6	1833230.4	308.70	308.29	137	157	158	158	8	4	PVC	0.020	SCH80 PVC	#2/16	133.6	158	Sonic	#60 Sand/Bentonite Pellets	127	133.6
W57C	IP-1C	LIZ	6571607.9	1833234.6	308.60	308.30	230	240	245	320	9	4	PVC	0.020	SCH80 PVC	#2/16	228	242	Sonic	#60 Sand/Bentonite Pellets	222	228
W58A	IP-10A	SZ	6571286.6	1833520.5	306.90	306.53	90	100	101	101	9	4	PVC	0.020	SCH40 PVC	#2/16	88	101	Sonic	#60 Sand/Bentonite Pellets	82	88
W58B	IP-10B	SZ	6571281.9	1833524.5	307.10	306.45	136	146	151	220	9	4	PVC	0.020	SCH80 PVC	#2/16	134	148	Sonic	#60 Sand/Bentonite Pellets	128	134
W59	IP-15	LIZ	6572865.3	1832030.0	311.80	311.50	164	169	174	200	8	4	PVC	0.020	SCH80 PVC	#2/16	162	171	Sonic	#60 Sand/Bentonite Pellets	156	162
W60A	IP-5A	SZ	6573155.8	1831470.8	313.80	313.50	60	75	76	77	6	2	PVC	0.020	SCH40 PVC	#2/16	58	77	Sonic	#60 Sand/Bentonite Pellets	52	58
W60B	IP-5B	UIZ	6573145.0	1831457.6	313.90	313.38	90	100	101	102	9	4	PVC	0.020	SCH40 PVC	#2/16	88	102	Sonic	#60 Sand/Bentonite Pellets	82	88
W60C	IP-5C	LIZ	6573151.7	1831465.1	313.84	313.50	167	182	187	200	9	4	PVC	0.020	SCH80 PVC	#2/16	165	184	Sonic	#60 Sand/Bentonite Pellets	159	165
W61	SIP-29	SZ	6572229.6	1831475.1	312.62	312.18	65/69[g]	75/79[g]	76/80[g]	106.5	6	2	PVC	0.020	SCH40 PVC	#2/16	62.5/66.5[g]	77/81[g]	Sonic	#60 Sand/Bentonite Pellets	57/61[g]	62.5/66.5[g]
W62	SIP-32	SZ	6572302.7	1831492.3	312.90	312.48	63/67[g]	73/77[g]	74/78[g]	115	6	2	PVC	0.020	SCH40 PVC	#2/16	61/65[g]	75/79[g]	Sonic	#60 Sand/Bentonite Pellets	55/59[g]	61/65[g]
W63A	IP-7A	SZ	6572405.6	1833634.2	312.45	312.19	115	125	126	127	9	4	PVC	0.020	SCH80 PVC	#2/16	113	127	Sonic	#60 Sand/Bentonite Pellets	107	113
W63B	IP-7B	UIZ	6572416.9	1833646.1	312.51	312.23	141	151	156	156	9	4	PVC	0.020	SCH80 PVC	#2/16	139	156	Sonic	#60 Sand/Bentonite Pellets	133	139
W63C	IP-7C	UIZ	6572411.2	1833640.1	312.52	312.03	160	170	175	220	9	4	PVC	0.020	SCH80 PVC	#2/16	158	172	Sonic	#60 Sand/Bentonite Pellets	152	158
W64A	IP-9A	SZ	6573056.1	1834424.5	312.91	312.51	95	105	106	107	9	4	PVC	0.020	SCH80 PVC	#2/16	93	107	Sonic	#60 Sand/Bentonite Pellets	87	93
W64B	IP-9B	SZ	6573069.4	1834426.4	312.94	312.59	125	135	136	137	9	4	PVC	0.020	SCH80 PVC	#2/16	123	137	Sonic	#60 Sand/Bentonite Pellets	117	123
W64C	IP-9C	UIZ	6573074.4	1834427.4	312.95	312.59	175	185	190	220	9	4	PVC	0.020	SCH80 PVC	#2/16	173	187	Sonic	#60 Sand/Bentonite Pellets	167	173
W65A	IP-13A	SZ	6572763.0	1834325.3	312.55	312.08	95	105	106	108	9	4	PVC	0.020	SCH80 PVC	#2/16	92	107	Sonic	#60 Sand/Bentonite Pellets	87	92
W65B	IP-13B	SZ	6572767.8	1834326.8	312.53	312.94	125	135	136	137	9	4	PVC	0.020	SCH80 PVC	#2/16	123	137	Sonic	#60 Sand/Bentonite Pellets	117	123
W65C	IP-13C	UIZ	6572772.7	1834328.8	312.54	311.79	175	185	190	240	9	4	PVC	0.020	SCH80 PVC	#2/16	173	187	Sonic	#60 Sand/Bentonite Pellets	167	173
W66A	IP-6A	SZ	6572103.1	1834218.7	310.64	310.26	105	120	125	125	9	4	PVC	0.020	SCH80 PVC	#2/16	103	125	Sonic	#60 Sand/Bentonite Pellets	97	103
W66B	IP-6B	UIZ	6572113.1	1834225.5	310.61	310.06	170	185	190	190	9	4	PVC	0.020	SCH80 PVC	#2/16	168	190	Sonic	#60 Sand/Bentonite Pellets	162	168
W66C	IP-6C	LIZ	6572108.2	1834222.0	310.63	310.26	265	275	280	400	9	4	PVC	0.020	SCH80 PVC	#2/16	263	277	Sonic	#60 Sand/Bentonite Pellets	257	263
W66-PZ	IP-6C	Galaxy Silt-Clay	6572108.2	1834222.0	310.63	310.34	161	162	162	400	9	1	PVC	0.020	SCH40 PVC	#2/16	159	163	Sonic	#60 Sand/Bentonite Pellets	155	159
W67A	PMW-3A	SZ	6574061.9	1834440.6	317.84	317.55	110	120	125	128	12	4	SS wire wrap	0.020	Mild Steel	#2/12	108	128	Mud Rotary	10-sac Sand Cement Slurry	0	102
W67B	PMW-3B	UIZ	6574053.1	1834431.5	317.68	317.31	140	150	155	158	12	4	SS wire wrap	0.020	Mild Steel	#2/12	135	158	Mud Rotary	10-sac Sand Cement Slurry	0	130
W67C	PMW-3C	LIZ	6574034.5	1834410.4	317.21	316.81	185	195	200	250	12	4	SS wire wrap	0.020	Mild Steel	#2/12	180	250	Mud Rotary	10-sac Sand Cement Slurry	0	175
W68A	IP-12A	SZ	6573829.0	1832833.3	319.59	319.17	63	78	78	185	8	2	PVC	0.020	SCH40 PVC	#2/16	63	78	Sonic	#60 Sand/Bentonite Pellets	55	61
W68B	IP-12B	UIZ	6573829.0	1832833.3	319.59	319.16	102	112	113	185	8	2	PVC	0.020	SCH40 PVC	#2/16	100	114	Sonic	#60 Sand/Bentonite Pellets	80	86
W69A	IP-14A	SZ	6573526.8	1834246.2	314.29	313.96	108	118	119	120	9	4	PVC	0.020	SCH80 PVC	#2/16	106	120	Sonic	#60 Sand/Bentonite Pellets	100	106
W69B	IP-14B	UIZ	6573532.8	1834240.6	314.31	313.92	150	160	165	300	9	4	PVC	0.020	SCH80 PVC	#2/16	148	162	Sonic	#60 Sand/Bentonite Pellets	142	148
W69C	IP-14C	LIZ	6573538.7	1834236.0	314.27	313.99	212	222	227	234	9	4	PVC	0.020	SCH80 PVC	#2/16	210	224	Sonic	#60 Sand/Bentonite Pellets	204	210
W70A	IP-8A	SZ	6572761.5	1833528.9	312.56	312.26	102	107	112	112	8	4	PVC	0.020	SCH80 PVC	#2/16	100	112	Sonic	#60 Sand/Bentonite Pellets	93	100
W70B	IP-8B	UIZ	6572766.1	1833524.7	312.57	312.26	140	150	155	155	8	4	PVC	0.020	SCH80 PVC	#2/16	137	155	Sonic	#60 Sand/Bentonite Pellets	130	137
W70C	IP-8C	LIZ	6572770.9	1833520.5	312.64	312.10	211	216	221	222	9	4	PVC	0.020	SCH80 PVC	#2/16	209	218	Sonic	#60 Sand/Bentonite Pellets	202	209
W70-PZ	IP-8C	Galaxy Silt-Clay	6572770.9	1833520.5	312.64	312.41	121	122	122	222	9	1	pVC	0.020	SCH40 PVC	#2/16	120	123	Sonic	#60 Sand/Bentonite Pellets	115	120

TABLE 1

WELL CONSTRUCTION DETAILS SUMMARY
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Boring ID	Hydrologic Unit[a]	X Coordinate (US Survey feet, NAD83)	Y Coordinate (US Survey feet, NAD83)	Surface Elevation (feet, MSL[b] NAVD88)	Top of Casing Elevation (feet, MSL NAVD88)	Depth to Screen Top (feet, bgs)[c]	Depth to Screen Bottom (feet, bgs)	Total Depth (feet, bgs)	Total Depth Drilled (feet, bgs)	Borehole Diameter (inches)	Casing Diameter (inches)	Screen Material	Screen Slot Size (inches)	Casing Material	Filter Pack Grade	Filter Pack Top (feet, bgs)	Filter Pack Bottom (feet, bgs)	Drilling Method	Annular Seal Material	Annular Seal Top (feet, bgs)[d]	Annular Seal Bottom (feet, bgs)[d]
W71A	IP-17A	SZ	6571529.2	1832273.7	307.64	307.32	77.5	92.5	97.9	101.5	8.5	4	PVC	0.020	SCH80 PVC	#2/12	75.3	101.5	Sonic	#30 Sand/Bentonite Pellets	68	75.3
W71B	IP-17B	UIZ	6571539.6	1832271.0	307.94	307.63	133	148	153.4	154	8.5	4	PVC	0.020	SCH80 PVC	#2/12	131	154	Sonic	#30 Sand/Bentonite Pellets	124	131
W71C	IP-17C	LIZ	6571552.4	1832285.4	307.99	307.71	204.8	214.7	220.1	285	8.5	4	PVC	0.020	SCH80 PVC	#2/12	202.4	221	Sonic	#60 Sand/Bentonite Pellets	192.2	202.4
W72A	IP-19A	SZ	6572636.0	1830601.1	311.21	310.77	58	68	73	74	8	4	PVC	0.020	SCH80 PVC	#2/12	56	73	Sonic	#30 Sand/Bentonite Pellets	50	56
W72B	IP-19B	UIZ	6572644.9	1830593.9	311.26	310.91	90	100	105	106	8	4	PVC	0.020	SCH80 PVC	#2/12	88	105	Sonic	#30 Sand/Bentonite Pellets	82	88
W72C	IP-19C	LIZ	6572652.7	1830587.1	311.34	310.93	165	170	175	255	8	4	PVC	0.020	SCH80 PVC	#2/12	163	175	Sonic	#30 Sand/Bentonite Pellets	157	163
W73A	IP-16A	SZ	6572136.5	1831011.9	308.57	308.16	65	75	80	80	8	4	PVC	0.020	SCH80 PVC	#2/12	63	80	Sonic	#60 Sand/Bentonite Pellets	57	62
W73B	IP-16B	SZ	6572142.7	1831007.1	308.56	308.13	85	90	95	130	8	4	PVC	0.020	SCH80 PVC	#2/12	85	95	Sonic	#60 Sand/Bentonite Pellets	77	82
W74A	IP-18A	SZ	6571487.0	1831215.7	306.88	306.37	60.5	70.5	75.9	200	10	4	PVC	0.020	SCH80 PVC	#2/12	57.5	75	Hollow-Stem Auger	#60 Sand/Bentonite Pellets	50	57.5
W74B	IP-18B	UIZ	6571473.2	1831199.0	306.92	306.48	134.6	149.6	155	158	10	4	PVC	0.020	SCH80 PVC	#2/12	129.9	155	Sonic	#60 Sand/Bentonite Pellets	119	129.9
W74-PZ	IP-18B	SZ	6571473.2	6571473.2	306.92	306.52	114.6	116.6	117.9	158	10	1	PVC	0.010	SCH80 PVC	#2/12	112.0	119	Sonic	#60 Sand/Bentonite Pellets	106	112
W75A	IP-11A	SZ	6572875.5	1831774.5	311.30	310.97	60	70	71	117	9	2	PVC	0.020	SCH40 PVC	#2/12	58	72	Sonic	#60 Sand/Bentonite Pellets	52	58
W75B	IP-11B	UIZ	6572881.3	1831781.1	311.26	310.95	80	90	95	170	9	4	PVC	0.020	SCH80 PVC	#2/12	78	92	Sonic	#60 Sand/Bentonite Pellets	72	78
W75C	IP-11C	UIZ	6572875.5	1831774.5	311.30	310.89	105	115	116	117	9	2	PVC	0.020	SCH40 PVC	#2/12	103	117	Sonic	#60 Sand/Bentonite Pellets	97	103
Z4-1	Z4-1	SZ	6572550.1	1831522.7	310.60	309.76	45	65	65	66.5	10	2	Stainless Steel	0.010	SCH40 PVC	#2/12	43	66.5	Hollow-Stem Auger	Bentonite pellets	41	43
Z4-2	Z4-2	SZ	6572489.8	1831570.7	310.31	309.39	45	65	65	66.5	6	2	Stainless Steel	0.010	SCH40 PVC	#2/12	44	66.5	Hollow-Stem Auger	Bentonite pellets	42	44
Z4-3	Z4-3	SZ	6572432.1	1831617.8	310.06	308.96	44.5	64.5	64.5	66.5	8	2	Stainless Steel	0.010	SCH40 PVC	#2/12	44	66.5	Hollow-Stem Auger	Bentonite pellets	41	44
Z4-4	Z4-4	SZ	6572319.0	1831705.3	309.61	308.44	38	58	58	61.5	8	2	Stainless Steel	0.010	SCH40 PVC	#2/12	36	61.5	Hollow-Stem Auger	Bentonite pellets	33	36
Z4-5	Z4-5	SZ	6572261.0	1831767.70	309.70	309.51	40	70	70	71.5	10	2	PVC	0.020	SCH40 PVC	#3	39	71.5	Hollow-Stem Auger	Bentonite pellets	37	39

(a) Hydrologic units for well screens in the shallow zone (SZ), upper intermediate zone (UIZ), and lower intermediate zone (LIZ).
(b) MSL - Mean sea level.
(c) bgs - Below ground surface.
(d) Depths obtained from boring log.
(e) Polyvinyl chloride (PVC)
(f) NA - Not available.
(g) Wells installed inside the former Benchmark property building. Building floor is raised roughly 4 feet above ground surface outside building. First number is depth from ground surface outside the building and second number is depth from floor inside the building.

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W1	25 - 45	7/27/12	Dry[c]	308.98	NA[d]	Orion
		12/26/12	Dry		NA	Orion
		2/25/13	Dry	308.97[e]	NA	Orion
		5/28/13	Dry		NA	Orion
		7/10/13	Dry		NA	Orion
		8/20/13	Dry		NA	Orion
		3/13/14	Dry		NA	Orion
		8/24/14	Dry		NA	Orion
W2	24 - 54	7/27/12	39.16	307.94	268.78	Orion
		12/26/12	40.09		267.85	Orion
		2/25/13	40.24	307.94[e]	267.70	Orion
		5/28/13	40.77		267.17	Orion
		7/10/13	41.24		266.70	Orion
		8/20/13	41.61		266.33	Orion
		3/13/14	44.04		263.90	Orion
		8/25/14	45.45		262.49	Orion
W3	25 - 55	7/27/12	39.32	307.77	268.45	Orion
		12/26/12	40.22		267.55	Orion
		2/25/13	40.31	307.74[e]	267.43	Orion
		5/28/13	40.99		266.75	Orion
		7/10/13	45.15		262.59	Orion
		8/20/13	46.18		261.56	Orion
		3/13/14	48.40		259.34	Orion
		8/25/14	51.20		256.54	Orion
W4	22 - 52	7/27/12	34.40	312.41	278.01	Orion
		12/26/12	34.49		277.92	Orion
		2/25/13	34.54	312.40[e]	277.86	Orion
		5/28/13	34.75		277.65	Orion
		7/10/13	34.84		277.56	Orion
		8/20/13	35.10		277.30	Orion
		3/13/14	35.32		277.08	Orion
		8/24/14	34.54		277.86	Orion
W5	30 - 60	7/27/12	39.72	309.39	269.67	Orion
		12/26/12	40.64		268.75	Orion

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Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W5	30 - 60	2/25/13	40.84	309.40[e]	268.56	Orion
(cont.)		5/28/13	41.35		268.05	Orion
		7/10/13	41.80		267.60	Orion
		8/20/13	42.38		267.02	Orion
		3/13/14	45.66		263.74	Orion
		8/25/14	48.14		261.26	Orion
W6	25 - 55	7/27/12	38.35	311.04	272.69	Orion
		12/26/12	38.91		272.13	Orion
		2/25/13	38.90	311.01[e]	272.11	Orion
		5/28/13	39.12		271.89	Orion
		7/10/13	39.26		271.75	Orion
		8/20/13	39.50		271.51	Orion
		3/13/14	39.76		271.25	Orion
		8/25/14	39.75		271.26	Orion
W7	30 - 60	7/27/12	47.50	312.64	265.14	Orion
		12/26/12	49.33		263.31	Orion
		2/25/13	49.75	312.51[e]	262.76	Orion
		5/28/13	51.70		260.81	Orion
		7/10/13	52.84		259.67	Orion
		8/20/13	53.68		258.83	Orion
		3/13/14	56.78		255.73	Orion
		8/25/14	Dry		NA	Orion
W8	30 - 60	7/27/12	43.23	309.84	266.61	Orion
		12/26/12	44.55		265.29	Orion
		2/25/13	44.82	309.68[e]	264.86	Orion
		5/28/13	45.72		263.96	Orion
		7/10/13	46.78		262.90	Orion
		8/20/13	47.82		261.86	Orion
		3/13/14	51.51		258.17	Orion
		8/25/14	53.49		256.19	Orion
W9	30 - 60	7/27/12	42.12	308.71	266.59	Orion
		12/27/12	43.34		265.37	Orion
		2/25/13	43.76	308.61[e]	264.85	Orion
		5/28/13	44.42		264.19	Orion
		7/10/13	45.23		263.38	Orion
		8/20/13	46.02		262.59	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W9	30 - 60	3/13/14	48.66	308.61	259.95	Orion
(cont.)		8/25/14	50.52		258.09	Orion
W10	30 - 60	7/27/12	42.39	309.29	266.90	Orion
		12/26/12	43.30		265.99	Orion
		2/25/13	43.55	309.26[e]	265.71	Orion
		5/28/13	44.18		265.08	Orion
		7/10/13	44.69		264.57	Orion
		8/20/13	45.31		263.95	Orion
		3/13/14	47.61		261.65	Orion
		8/24/14	49.35		259.91	Orion
W11	88 - 98	7/27/12	52.36	308.48	256.12	Orion
		12/26/12	53.70		254.78	Orion
		2/25/13	54.58	308.46[e]	253.88	Orion
		5/28/13	56.50		251.96	Orion
		7/10/13	57.55		250.91	Orion
		8/20/13	58.76		249.70	Orion
		3/13/14	61.95		246.51	Orion
		8/25/14	65.96		242.50	Orion
W12	30 - 60	7/27/12	57.18	309.21	252.03	Orion
		12/28/12	58.21		251.00	Orion
		2/25/13	59.20	309.22[e]	250.02	Orion
		7/10/13	Dry		NA	Orion
		8/20/13	Dry		NA	Orion
		3/13/14	Dry		NA	Orion
		8/25/14	Dry		NA	Orion
W13	27 - 57.5	7/27/12	47.81	310.22	262.41	Orion
		12/27/12	48.41		261.81	Orion
		2/25/13	48.49	310.25[e]	261.76	Orion
		7/10/13	49.15		261.10	Orion
		8/20/13	49.53		260.72	Orion
		3/13/14	51.05		259.20	Orion
		8/25/14	52.82		257.43	Orion
W14	85.25 - 95.25	7/27/12	56.81	310.91	254.10	Orion
		12/27/12	58.56		252.35	Orion
		2/25/13	59.28	310.93[e]	251.65	Orion
		7/10/13	63.62		247.31	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W14	85 - 95	8/20/13	64.95	310.93	245.98	Orion
(cont.)		3/14/14	68.89		242.04	Orion
		8/25/14	74.01		236.92	Orion
W15	30 - 60	7/27/12	48.46	310.23	261.77	Orion
		12/27/12	48.41		261.82	Orion
		2/25/13	49.90	310.26[e]	260.36	Orion
		7/10/13	50.94		259.32	Orion
		7/22/13	52.44		257.82	Orion
		8/20/13	52.32		257.94	Orion
		3/14/14	58.40		251.86	Orion
		8/25/14	Dry		NA	Orion
W16	30 - 60	7/27/12	52.28	311.59	259.31	Orion
		12/27/12	54.37		257.22	Orion
		2/25/13	54.67	311.60[e]	256.93	Orion
		7/10/13	57.74		253.86	Orion
		7/22/13	58.25		253.35	Orion
		8/20/13	58.52		253.08	Orion
		3/14/14	Dry		NA	Orion
		8/25/14	Dry		NA	Orion
W17	75 - 85	7/27/12	60.01	308.84	248.83	Orion
		12/27/12	61.51		247.33	Orion
		2/25/13	61.93	308.85[e]	246.92	Orion
		7/10/13	64.36		244.49	Orion
		8/20/13	65.54		243.31	Orion
		3/14/14	68.87		239.98	Orion
		8/25/14	72.66		236.19	Orion
W18	70 - 80	7/27/12	49.18	313.84	264.66	Orion
		12/26/12	51.21		262.63	Orion
		2/25/13	51.63	313.83[e]	262.20	Orion
		5/28/13	53.49		260.34	Orion
		7/10/13	54.53		259.30	Orion
		8/20/13	55.66		258.17	Orion
		3/13/14	58.81		255.02	Orion
		8/25/14	61.07		252.76	Orion
W19	104 - 114	7/27/12	48.88	311.16	262.28	Orion
		12/27/12	50.02		261.14	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W19	104 - 114	2/25/13	50.61	311.16[e]	260.55	Orion
(cont.)		5/28/13	53.50		257.66	Orion
		7/10/13	54.78		256.38	Orion
		8/20/13	56.00		255.16	Orion
		3/13/14	58.97		252.19	Orion
		8/25/14	63.79		247.37	Orion
W20	68 - 78	7/27/12	47.67	307.63	259.96	Orion
		12/27/12	48.60		259.03	Orion
		2/25/13	49.10	307.65[e]	258.55	Orion
		5/28/13	50.10		257.55	Orion
		7/10/13	51.00		256.65	Orion
		8/20/13	51.53		256.12	Orion
		3/13/14	54.42		253.23	Orion
		8/25/14	56.58		251.07	Orion
W21	152 - 172	7/27/12	74.96	309.21	234.25	Orion
		12/27/12	73.31		235.90	Orion
		2/25/13	76.92	309.21[e]	232.29	Orion
		7/10/13	87.90		221.31	Orion
		8/20/13	89.42		219.79	Orion
		3/14/14	88.80		220.41	Orion
		8/25/14	98.92		210.29	Orion
W22	160 - 180	6/28/12	79.84	314.13	234.29	Orion
		12/28/12	78.98		235.15	Orion
		2/25/13	82.18	314.13[e]	231.95	Orion
		7/10/13	92.22		221.91	Orion
		8/20/13	93.93		220.20	Orion
		3/13/14	93.75		220.38	Orion
		8/25/14	104.02		210.11	Orion
W23	155.5 - 175.5	7/27/12	90.19	318.94	228.75	Orion
		12/28/12	87.00		231.94	Orion
		2/25/13	91.50	318.99[e]	227.49	Orion
		7/10/13	104.99		214.00	Orion
		8/20/13	106.72		212.27	Orion
		3/13/14	103.87		215.12	Orion
		8/25/14	115.39		203.60	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W24	85 - 105	7/11/12	75.15	314.23	239.08	Orion
		12/26/12	78.47		235.76	Orion
		7/10/13	84.16	314.23[e]	230.07	Orion
		7/22/13	84.61		229.62	Orion
		8/20/13	85.38		228.85	Orion
		3/13/14	89.39		224.84	Orion
		8/25/14	94.72		219.51	Orion
W25	79 - 99	7/27/12	71.58	318.32	246.74	Orion
		12/28/12	73.78		244.54	Orion
		2/25/13	74.56	318.37[e]	243.81	Orion
		7/10/13	79.14		239.23	Orion
		8/20/13	80.45		237.92	Orion
		3/13/14	84.70		233.67	Orion
		8/25/14	90.08		228.29	Orion
W26	75 - 85	2/7/13	54.76	309.09	254.33	Orion
		5/28/13	57.16		251.93	Orion
		7/10/13	58.14		250.95	Orion
		8/20/13	59.38		249.71	Orion
		3/13/14	62.56		246.53	Orion
		8/25/14	66.68		242.41	Orion
W27	67 - 77	2/7/13	50.78	308.80	258.02	Orion
		5/28/13	52.81		255.99	Orion
		7/10/13	53.88		254.92	Orion
		8/20/13	54.84		253.96	Orion
		3/13/14	57.66		251.14	Orion
		8/24/14	60.71		248.09	Orion
W28A	51 - 56	2/7/13	41.28	307.32	266.04	Orion
		5/28/13	41.99		265.33	Orion
		7/10/13	42.64		264.68	Orion
		8/20/13	43.31		264.01	Orion
		3/13/14	46.42		260.90	Orion
		8/24/14	47.57		259.75	Orion
W28B	70 - 75	2/7/13	49.45	307.28	257.83	Orion
		5/28/13	51.12		256.16	Orion
		7/10/13	51.97		255.31	Orion
		8/20/13	53.01		254.27	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W28B	70 - 75	3/13/14	56.29	307.28	250.99	Orion
(cont.)		8/24/14	59.35		247.93	Orion
W29	65 - 75	2/7/13	48.46	308.25	259.79	Orion
		5/28/13	49.72		258.53	Orion
		7/10/13	50.54		257.71	Orion
		8/20/13	52.01		256.24	Orion
		3/13/14	54.86		253.39	Orion
		8/24/14	57.39		250.86	Orion
W30	63 - 73	2/7/13	47.25	309.34	262.09	Orion
		5/28/13	48.83		260.51	Orion
		7/10/13	49.59		259.75	Orion
		8/20/13	52.41		256.93	Orion
		3/13/14	53.92		255.42	Orion
		8/24/14	56.34		253.00	Orion
W31	63.5 - 73.5	2/7/13	47.22	308.30	261.08	Orion
		5/28/13	49.36		258.94	Orion
		7/10/13	49.87		258.43	Orion
		8/20/13	50.78		257.52	Orion
		3/13/14	52.04		256.26	Orion
		8/24/14	55.94		252.36	Orion
W32	64 - 74	2/7/13	46.62	308.50	261.88	Orion
		5/28/13	48.14		260.36	Orion
		7/10/13	48.82		259.68	Orion
		8/20/13	50.71		257.79	Orion
		3/13/14	52.69		255.81	Orion
		8/24/14	54.60		253.90	Orion
W33	64 - 74	2/7/13	47.96	309.72	261.76	Orion
		5/28/13	49.49		260.23	Orion
		7/10/13	50.77		258.95	Orion
		8/20/13	51.69		258.03	Orion
		3/13/14	53.90		255.82	Orion
		8/24/14	57.16		252.56	Orion
W34A	65 - 75	2/7/13	47.19	308.90	261.71	Orion
		5/28/13	48.80		260.10	Orion
		7/10/13	49.83		259.07	Orion
		8/20/13	50.70		258.20	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W34A	65 - 75	3/13/14	54.21	308.90	254.69	Orion
(cont.)		8/24/14	56.39		252.51	Orion
W34B	101 - 111	2/7/13	52.08	308.76	256.68	Orion
		5/28/13	55.24		253.52	Orion
		7/10/13	56.23		252.53	Orion
		8/20/13	57.01		251.75	Orion
		3/13/14	61.10		247.66	Orion
		8/24/14	66.14		242.62	Orion
W35	65 - 75	2/7/13	46.81	308.67	261.86	Orion
		5/28/13	48.56		260.11	Orion
		7/10/13	49.29		259.38	Orion
		8/20/13	49.98		258.69	Orion
		3/13/14	53.53		255.14	Orion
		8/24/14	55.91		252.76	Orion
W36	60 - 70	5/28/13	48.40	309.95	261.55	Orion
		8/20/13	50.32		259.63	Orion
		3/13/14	54.62		255.33	Orion
		8/24/14	56.78		253.17	Orion
W37A	62 - 72	2/7/13	46.54	309.45	262.91	Orion
		5/28/13	48.14		261.31	Orion
		7/10/13	49.09		260.36	Orion
		8/20/13	NM[f]		NA	Orion
		3/13/14	53.50		255.95	Orion
		8/24/14	55.61		253.84	Orion
W37B	100 - 110	5/28/13	53.92	309.27	255.35	Orion
		8/20/13	56.84		252.43	Orion
		3/13/14	60.14		249.13	Orion
		8/24/14	65.08		244.19	Orion
W38	61 - 71	2/7/13	46.21	309.78	263.57	Orion
		5/28/13	47.52		262.26	Orion
		7/10/13	48.54		261.24	Orion
		8/20/13	45.12		264.66	Orion
		3/13/14	53.11		256.67	Orion
		8/24/14	54.61		255.17	Orion
W39A	48 - 53	5/28/13	46.98	309.54	262.56	Orion
		8/20/13	49.11		260.43	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W39A	48 - 53	3/13/14	52.27	309.54	257.27	Orion
(cont.)		8/25/14	52.42		257.12	Orion
W39B	60 - 70	2/7/13	46.91	309.77	262.86	Orion
		5/28/13	48.90		260.87	Orion
		7/10/13	49.92		259.85	Orion
		8/20/13	51.14		258.63	Orion
		3/13/14	54.18		255.59	Orion
		8/25/14	56.03		253.74	Orion
W40	60 - 70	2/7/13	46.05	310.08	264.03	Orion
		5/28/13	47.82		262.26	Orion
		7/10/13	48.86		261.22	Orion
		8/20/13	49.81		260.27	Orion
		3/13/14	52.80		257.28	Orion
		8/24/14	54.46		255.62	Orion
W41	65 - 75	2/7/13	44.90	310.45	265.55	Orion
		5/28/13	46.48		263.97	Orion
		7/10/13	47.38		263.07	Orion
		8/20/13	48.32		262.13	Orion
		3/13/14	50.76		259.69	Orion
		8/25/14	52.82		257.63	Orion
W42	75 - 95	2/7/13	55.28	310.57	255.29	Orion
		5/28/13	57.72		252.85	Orion
		7/10/13	58.49		252.08	Orion
		8/20/13	59.76		250.81	Orion
		3/13/14	62.86		247.71	Orion
		8/25/14	66.47		244.10	Orion
W43A	65 - 75	2/7/13	45.70	309.28	263.58	Orion
		5/28/13	48.35		260.93	Orion
		7/10/13	48.95		260.33	Orion
		8/20/13	50.22		259.06	Orion
		3/13/14	52.00		257.28	Orion
		8/25/14	53.19		256.09	Orion
W43B	102 - 112	2/7/13	55.44	309.06	253.62	Orion
		5/28/13	58.57		250.49	Orion
		7/10/13	60.22		248.84	Orion
		8/20/13	61.72		247.34	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W43B	102 - 112	3/13/14	65.00	309.06	244.06	Orion
(cont.)		8/25/14	70.22		238.84	Orion
W44A	55 - 65	2/7/13	45.91	309.57	263.66	Orion
		5/28/13	47.05		262.52	Orion
		7/10/13	47.70		261.87	Orion
		8/20/13	48.64		260.93	Orion
		3/13/14	50.47		259.10	Orion
		8/25/14	52.39		257.18	Orion
W44B	100 - 110	2/7/13	57.37	309.64	252.27	Orion
		5/28/13	59.65		249.99	Orion
		7/10/13	60.64		249.00	Orion
		8/20/13	62.10		247.54	Orion
		3/13/14	65.78		243.86	Orion
		8/25/14	70.87		238.77	Orion
W44C	118 - 128	2/7/13	56.05	309.57	253.52	Orion
		5/28/13	59.31		250.26	Orion
		7/10/13	60.81		248.76	Orion
		8/20/13	62.11		247.46	Orion
		3/13/14	65.59		243.98	Orion
		8/25/14	71.03		238.54	Orion
W45	63 - 73	2/7/13	50.45	312.08	261.63	Orion
		5/28/13	52.48		259.60	Orion
		7/10/13	53.48		258.60	Orion
		8/20/13	54.53		257.55	Orion
		3/13/14	57.75		254.33	Orion
		8/25/14	59.90		252.18	Orion
W46	55 - 65	2/7/13	49.42	310.96	261.54	Orion
		5/28/13	51.78		259.18	Orion
		7/10/13	52.91		258.05	Orion
		8/20/13	53.80		257.16	Orion
		3/13/14	57.14		253.82	Orion
		8/25/14	59.24		251.72	Orion
W47	55 - 65	5/28/13	50.07	311.08	261.01	Orion
		8/20/13	52.21		258.87	Orion
		3/13/14	55.24		255.84	Orion
		8/25/14	57.36		253.72	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W48	84 - 94	5/28/13	56.40	309.83	253.43	Orion
		8/20/13	58.62		251.21	Orion
		3/13/14	61.51		248.32	Orion
		8/25/14	65.55		244.28	Orion
W49	69 - 79	5/28/13	48.32	309.93	261.61	Orion
		3/13/14	52.79		257.14	Orion
		8/25/14	55.63		254.30	Orion
W50A	79 - 89	5/28/13	57.50	308.24	250.74	Orion
		8/20/13	59.36		248.88	Orion
		3/13/14	62.61		245.63	Orion
		8/25/14	66.11		242.13	Orion
W50B	124 - 144	5/28/13	62.00	308.04	246.04	Orion
		8/20/13	65.02		243.02	Orion
		3/13/14	68.52		239.52	Orion
		8/25/14	74.18		233.86	Orion
W51A	73.5 - 78.5	5/28/13	56.52	308.18	251.66	Orion
		8/20/13	59.08		249.10	Orion
		3/13/14	61.51		246.67	Orion
		8/25/14	65.70		242.48	Orion
W51B	84 - 89	5/28/13	56.60	308.21	251.61	Orion
		8/20/13	59.11		249.10	Orion
		3/13/14	62.10		246.11	Orion
		8/25/14	66.20		242.01	Orion
W51C	113 - 133	5/28/13	60.01	308.22	248.21	Orion
		8/20/13	63.04		245.18	Orion
		3/13/14	66.31		241.91	Orion
		8/25/14	71.75		236.47	Orion
W52	78 - 88	5/28/13	54.94	307.67	252.73	Orion
		8/20/13	57.25		250.42	Orion
		3/13/14	60.08		247.59	Orion
		8/25/14	64.21		243.46	Orion
W53A	67 - 77	8/20/13	60.37	310.36	249.99	Orion
		3/14/14	63.75		246.61	Orion
		8/25/14	67.61		242.75	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W53B	90 - 100	8/20/13	68.74	310.36	241.62	Orion
		3/14/14	72.58		237.78	Orion
		8/25/14	78.01		232.35	Orion
W53C	116 - 126	8/20/13	69.05	310.47	241.42	Orion
		3/14/14	72.79		237.68	Orion
		8/25/14	78.26		232.21	Orion
W54	70 - 80	5/28/13	58.08	310.62	252.54	Orion
		8/20/13	NM		NA	Orion
		3/13/14	63.07		247.55	Orion
		9/17/14	66.69		243.93	Orion
W55A	80 - 90	8/20/13	67.13	308.89	241.76	Orion
		3/14/14	70.56		238.33	Orion
		8/25/14	74.62		234.27	Orion
W55B	132 - 142	8/20/13	74.20	309.10	234.90	Orion
		3/14/14	78.21		230.89	Orion
		8/25/14	83.92		225.18	Orion
W56A	72 - 82	8/20/13	66.94	309.49	242.55	Orion
		3/13/14	71.09		238.40	Orion
		8/25/14	75.14		234.35	Orion
W56B	95 - 100	8/20/13	70.20	309.35	239.15	Orion
		3/13/14	74.05		235.30	Orion
		8/25/14	78.76		230.59	Orion
W56C	152 - 162	8/20/13	79.24	309.45	230.21	Orion
		3/13/14	80.22		229.23	Orion
		8/25/14	88.45		221.00	Orion
W57A	81 - 91	8/20/13	65.26	308.26	243.00	Orion
		3/13/14	68.84		239.42	Orion
		8/25/14	71.72		236.54	Orion
W57B	137 - 157	8/20/13	76.46	308.29	231.83	Orion
		3/13/14	79.45		228.84	Orion
		8/25/14	85.22		223.07	Orion
W57C	230 - 240	8/20/13	123.32	308.30	184.98	Orion
		3/13/14	118.61		189.69	Orion
		8/25/14	134.02		174.28	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W58A	90 - 100	8/20/13	65.70	306.53	240.83	Orion
		3/13/14	68.81		237.72	Orion
		8/25/14	71.59		234.94	Orion
W58B	136 - 146	8/20/13	75.97	306.45	230.48	Orion
		3/13/14	80.27		226.18	Orion
		8/25/14	85.58		220.87	Orion
W59	164 - 169	4/29/14	96.40	311.50	215.10	Orion
		8/25/14	104.34		207.16	Orion
W60A	60 - 75	8/20/13	59.87	313.50	253.63	Orion
		3/13/14	63.60		249.90	Orion
		8/25/14	67.37		246.13	Orion
W60B	90 - 100	8/20/13	62.00	313.38	251.38	Orion
		3/13/14	65.74		247.64	Orion
		8/25/14	70.56		242.82	Orion
W60C	167 - 182	8/20/13	94.97	313.50	218.53	Orion
		3/13/14	93.77		219.73	Orion
		8/25/14	110.09		203.41	Orion
W61	69 - 79	3/13/14	56.21	312.18	255.97	Orion
		8/24/14	59.32		252.86	Orion
W62	67 - 77	3/13/14	55.00	312.48	257.48	Orion
		8/24/14	57.22		255.26	Orion
W63A	115 - 125	3/13/14	88.61	312.19	223.58	Orion
		8/25/14	94.39		217.80	Orion
W63B	141 - 151	3/13/14	85.82	312.23	226.41	Orion
		8/25/14	91.92		220.31	Orion
W63C	160 - 170	3/13/14	85.70	312.03	226.33	Orion
		8/25/14	91.78		220.25	Orion
W64A	95 - 105	3/13/14	88.56	312.51	223.95	Orion
		8/25/14	93.12		219.39	Orion
W64B	125 - 135	3/13/14	92.12	312.59	220.47	Orion
		8/25/14	98.10		214.49	Orion
W64C	175 - 185	3/13/14	90.44	312.59	222.15	Orion
		8/25/14	96.82		215.77	Orion
W65A	95 - 105	3/13/14	84.30	312.08	227.78	Orion
		8/25/14	88.52		223.56	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W65B	125 - 135	3/13/14	91.06	312.94	221.88	Orion
		8/25/14	97.01		215.93	Orion
W65C	175 - 185	3/13/14	89.22	311.79	222.57	Orion
		8/25/14	95.52		216.27	Orion
W66A	105 - 120	4/28/14	84.65	310.26	225.61	Orion
		8/25/14	87.19		223.07	Orion
W66B	170 - 185	4/28/14	88.21	310.06	221.85	Orion
		8/25/14	92.87		217.19	Orion
W66C	265 - 275	4/28/14	128.28	310.29	182.01	Orion
		8/25/14	141.76		168.53	Orion
W67A	110 - 120	3/19/14	98.21	317.55	219.34	Orion
		8/25/14	103.78		213.77	Orion
W67B	140 - 150	3/19/14	97.87	317.31	219.44	Orion
		8/25/14	103.75		213.56	Orion
W67C	185 - 195	3/19/14	106.91	316.81	209.90	Orion
		8/25/14	115.98		200.83	Orion
W68A	63 - 78	3/13/14	69.60	319.17	249.57	Orion
		8/25/14	Dry		NA	Orion
W68B	102 - 112	3/13/14	86.43	319.16	232.73	Orion
		8/25/14	90.98		228.18	Orion
W69A	108 - 118	3/13/14	93.15	313.96	220.81	Orion
		8/25/14	99.04		214.92	Orion
W69B	150 - 160	3/13/14	91.20	313.92	222.72	Orion
		8/25/14	97.40		216.52	Orion
W69C	212 - 222	3/13/14	121.69	313.99	192.30	Orion
		8/25/14	138.11		175.88	Orion
W70A	102 - 107	4/28/14	87.87	312.26	224.39	Orion
		8/25/14	91.88		220.38	Orion
W70B	140 - 150	4/28/14	86.00	312.26	226.26	Orion
		8/25/14	90.32		221.94	Orion
W70C	211 - 216	4/28/14	123.93	312.05	188.12	Orion
		8/25/14	135.42		176.63	Orion
W71A	77.5 - 92.5	4/28/14	68.35	307.32	238.97	Orion
		8/25/14	70.95		236.37	Orion
W71B	133 - 148	4/28/14	72.05	307.63	235.58	Orion
		8/25/14	76.21		231.42	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
W71C	204.8 - 214.7	4/28/14	93.39	307.71	214.32	Orion
		8/25/14	101.46		206.25	Orion
W72A	58 - 68	4/28/14	44.15	310.77	266.62	Orion
		8/25/14	45.87		264.9	Orion
W72B	90 - 100	4/28/14	52.52	310.91	258.39	Orion
		8/25/14	55.83		255.08	Orion
W72C	165 - 170	4/28/14	67.52	310.93	243.41	Orion
		8/25/14	74.56		236.37	Orion
W73A	65 - 75	5/2/14	43.96	308.16	264.20	Orion
		8/25/14	45.68		262.48	Orion
W73B	85- 90	5/2/14	51.23	308.13	256.90	Orion
		8/25/14	54.48		253.65	Orion
W74A	60.5 - 70.5	7/1/14	52.83	306.37	253.54	Orion
		8/25/14	53.59		252.78	Orion
W74B	134.6 - 149.6	7/1/14	62.27	306.45	244.18	Orion
		8/25/14	63.61		242.84	Orion
W75A	60 - 70	7/1/14	61.10	310.97	249.87	Orion
		8/25/14	62.40		248.57	Orion
W75B	80 - 90	7/1/14	70.70	310.95	240.25	Orion
		8/25/14	72.31		238.64	Orion
W75C	105 - 115	7/1/14	70.44	310.89	240.45	Orion
		8/25/14	72.19		238.70	Orion
EW1	60 - 100	7/27/12	66.10	310.23	244.13	Orion
		2/14/13	68.02		242.21	Orion
		2/25/13	68.21	309.87[e]	241.66	Orion
		7/10/13	70.65		239.58	Orion
		8/20/13	71.34		238.53	Orion
		3/13/14	74.59		235.28	Orion
		8/25/14	78.08		231.79	Orion
EW2	40 - 105	7/27/12	76.00	314.41	238.41	Orion
		12/28/12	78.64		235.77	Orion
		2/14/13	79.32	314.37[e]	235.05	Orion
		2/25/13	79.61		234.76	Orion
		7/10/13	84.38		229.99	Orion
		8/20/13	85.82		228.55	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
EW2	40 - 105	3/13/14	89.81	314.37	224.56	Orion
(cont.)		8/25/14	94.94		219.43	Orion
EW3	40 - 100	7/27/12	66.62	311.01	244.39	Orion
		2/14/13	68.51		242.50	Orion
		2/25/13	68.55	310.97[e]	242.42	Orion
		7/10/13	70.81		240.20	Orion
		8/20/13	71.42		239.55	Orion
		3/13/14	75.10		235.87	Orion
		8/25/14	81.92		229.05	Orion
EW4	39 - 95	7/18/12	67.38	312.23	244.85	Orion
		2/14/13	69.20		243.03	Orion
		2/25/13	69.43	312.06[e]	242.63	Orion
		7/10/13	74.42		237.81	Orion
		8/20/13	77.65		234.41	Orion
		3/13/14	81.88		230.18	Orion
		8/25/14	85.92		226.14	Orion
PZ-1	116 - 121	7/27/12	73.19	314.05	240.86	Orion
		12/26/12	75.53		238.52	Orion
		7/10/13	81.78	314.04[e]	232.26	Orion
		8/20/13	83.24		230.80	Orion
		3/13/14	87.31		226.73	Orion
		8/25/14	93.13		220.91	Orion
PZ-2	125 - 140	7/27/12	72.60	314.17	241.57	Orion
		12/28/12	74.89		239.28	Orion
		2/25/13	75.94	314.17[e]	238.23	Orion
		7/10/13	81.11		233.06	Orion
		8/20/13	82.88		231.29	Orion
		3/13/14	86.71		227.46	Orion
		8/25/14	92.61		221.56	Orion
PZ-3	59 - 99	7/27/12	67.53	311.86	244.33	Orion
		2/14/13	69.24		242.62	Orion
		2/25/13	69.46	311.72[e]	242.26	Orion
		7/10/13	71.57		240.29	Orion
		8/20/13	72.74		238.98	Orion
		3/13/14	80.28		231.44	Orion
		8/25/14	84.23		227.49	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
PZ-4	40 - 90	7/27/12	65.56	309.79	237.79	Orion
		2/14/13	67.62		242.17	Orion
		2/25/13	67.79	310.26[e]	242.47	Orion
		7/10/13	69.89		239.90	Orion
		8/20/13	70.91		239.35	Orion
		3/13/14	75.07		235.19	Orion
		8/25/14	77.19		233.07	Orion
PZ-5	60 - 100	7/27/12	66.51	310.96	244.45	Orion
		2/14/13	68.41		242.55	Orion
		2/25/13	68.56	310.93[e]	242.37	Orion
		7/10/13	70.52		240.44	Orion
		8/20/13	71.34		239.59	Orion
		3/13/14	75.11		235.82	Orion
		8/25/14	78.01		232.92	Orion
PZ-6	60 - 100	7/27/12	67.85	312.56	244.71	Orion
		2/14/13	73.05	312.26[e]	239.21	Orion
		7/10/13	77.51		235.05	Orion
		8/20/13	78.78		233.48	Orion
		3/14/14	82.42		229.84	Orion
		8/25/14	86.84		225.42	Orion
PZ-7	60 - 100	7/27/12	68.94	311.67	242.73	Orion
		12/28/12	71.52		240.15	Orion
		2/25/13	72.34	311.65[e]	239.31	Orion
		7/10/13	76.51		235.14	Orion
		8/20/13	77.72		233.93	Orion
		3/13/14	80.68		230.97	Orion
		8/25/14	84.89		226.76	Orion
Z4-1	45 - 65	7/27/12	42.98	309.80	266.82	Orion
		12/28/12	44.32		265.48	Orion
		2/25/13	44.61		265.19	Orion
		7/10/13	46.60		263.20	Orion
		8/20/13	47.52	309.76[g]	262.24	Orion
		3/13/14	51.40		258.36	Orion
		8/24/14	53.43		256.33	Orion
Z4-2	45 - 65	7/27/12	43.15	NA	NA	Orion
		2/14/13	44.76		NA	Orion

TABLE 2

RECENT WATER-LEVEL ELEVATION MEASUREMENTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well Number	Screen Interval (feet below TOC)	Date Measured	Depth to Water (feet below TOC)	TOC Elevation (feet MSL)[a]	Water-Level Elevation (feet MSL)[b]	Consultant/ Source
Z4-2	45 - 65	2/25/13	44.93	NA	NA	Orion
(cont.)		7/10/13	46.63		NA	Orion
		8/20/13	46.55	309.39[g]	262.84	Orion
		3/13/14	50.50		258.89	Orion
		8/24/14	52.67		256.72	Orion
Z4-3	44.5 - 64.5	7/27/12	42.53	309.00	266.47	Orion
		12/26/12	43.74		265.26	Orion
		7/10/13	45.71		263.29	Orion
		8/20/13	46.55	308.96[g]	262.41	Orion
		3/13/14	49.42		259.54	Orion
		8/24/14	51.27		257.69	Orion
Z4-4	38 - 58	7/27/12	41.71	308.45	266.74	Orion
		4/11/13	43.18		265.27	Orion
		7/10/13	44.41		264.04	Orion
		8/20/13	45.14	308.44[g]	263.30	Orion
		3/13/14	47.77		260.67	Orion
		8/24/14	49.42		259.02	Orion
Z4-5	40 - 70	7/27/12	42.90	309.52	266.62	Orion
		12/27/12	43.78		265.74	Orion
		2/25/13	44.16		265.36	Orion
		7/10/13	45.23		264.29	Orion
		8/20/13	45.82	309.51[g]	263.69	Orion
		3/13/14	48.17		261.34	Orion
		8/24/14	49.81		259.70	Orion

(a) Elevation of top of casing (TOC) surveyed relative to mean sea level (MSL). Elevations based on NGVD29 were converted to NAVD88 vertical survey datum in December 2010, to correspond to the TOCs for the extraction wells and piezometers, which are relative to the NAVD88 datum. The updatded TOCs have been applied from 1999 forward to allow direct comparison of historic data.

(b) Difference of "TOC Elevation" and "Depth to Water."

(c) Less than 6 inches of water considered to be dry.

(d) NA - Not applicable; unable to calculate water-level elevation because well was dry or not measured.

(e) Wells W1 through W25, EW1 through EW4, and PZ-1 through PZ-7 were resurveyed in January and February 2013.

(f) NM - Not measured.

(g) Wells Z4-1 through Z4-5 were resurveyed in August 2013.

TABLE 3
SUMMARY OF DETECTIONS IN GROUNDWATER - AUGUST/SEPTEMBER 2014
SHALLOW ZONE SOUTH OF PUENTE CREEK

Analyte	Number of Locations with Detections	Range of Reporting Limits of Non-Detects (µg/l)[a]	Range of Detected Concentrations (µg/l)	Location of Maximum Detect	Screening Level (µg/l)	Number of Locations Exceeding Screening Level	Percentage of Locations Exceeding Screening Level	Screening Level Source
Organic								
Methylene chloride	1	40 to 40	19 J[b] to 19 J	W29	5	1	100%	Federal MCL[c]
Tetrachloroethene	126	0.5 to 50	0.4 to 76	W9	5	110	88%	Federal MCL
Trichloroethene	124	0.5 to 50	0.28 J to 2,800	W28A	5	99	80%	Federal MCL
1,4-Dioxane	123	0.19 to 40	0.11 to 450	W44A	1	83	68%	NL[d]
1,2-Dichloroethane	21	0.5 to 5	0.2 to 4.9 J	W56A	0.5	13	62%	California MCL[e]
1,1-Dichloroethene	117	0.5 to 50	0.21 J to 7,200	W34A	6	70	60%	California MCL
1,1-Dichloroethane	93	0.5 to 50	0.21 J to 400	W34A	5	52	57%	California MCL
cis-1,2-Dichloroethene	110	0.5 to 50	0.26 J to 34 J	W34A	6	51	47%	California MCL
1,2,3-Trichloropropane	17	0.005 to 0.005	0.0017 J to 0.017	W68B	0.0050	6	35%	NL
1,1,2-Trichloroethane	30	0.5 to 50	0.26 J to 38 J	W34A	3	10	33%	Federal MCL
Benzene	8	0.5 to 5	0.23 J to 3.5 J	W56A	1	2	25%	California MCL
1,1,1-Trichloroethane	12	0.5 to 2.5	0.35 J to 240	Z4-1	200	1	8%	Federal MCL
Methyl tert butyl ether (MTBE)	28	0.5 to 0.5	0.2 J to 16	W75B	13	2	7%	NL
N-Nitrosodimethylamine	4	2 to 2	1 J to 30	W59	0.01	3	1%	NL
Chloroform (Trichloromethane)	49	0.5 to 13	0.25 J to 17	W28A	100	0	0%	Federal MCL
Toluene	10	0.5 to 0.5	0.22 to 1.9	W50A	150	0	0%	California MCL
trans-1,2-Dichloroethene	16	0.5 to 0.5	0.21 J to 0.72	W5	10	0	0%	California MCL
tert-Butyl alcohol	2	2 to 2	3.5 to 4.6	W67C	12	0	0%	NL
Carbon disulfide	2	0.5 to 0.5	0.64 to 8.9	W44B	160	0	0%	NL
1,2,4-Trimethylbenzene	1	2.5 to 2.5	1.5 J to 1.5 J	W51B	330	0	0%	NL
Trifluorotrichloroethane (Freon 113)	13	2 to 10	0.55 J to 4.6 J	W71A	1,200	0	0%	California MCL
Dichlorodifluoromethane (CFC-12)	6	0.5 to 0.5	0.37 J to 0.72	W19	1,000	0	0%	NL
Trichlorofluoromethane (CFC-11)	54	0.5 to 2.5	0.21 J to 10	W72B	150	0	0%	California MCL
Bromoform	4	1 to 1	0.69 J to 1.9	W37B	100	0	0%	Federal MCL

TABLE 3
SUMMARY OF DETECTIONS IN GROUNDWATER - AUGUST/SEPTEMBER 2014
SHALLOW ZONE SOUTH OF PUENTE CREEK

Analyte	Number of Locations with Detections	Range of Reporting Limits of Non-Detects (µg/l)[(a)]	Range of Detected Concentrations (µg/l)	Location of Maximum Detect	Screening Level (µg/l)	Number of Locations Exceeding Screening Level	Percentage of Locations Exceeding Screening Level	Screening Level Source
Inorganic								
Cadmium (dissolved)	1	1 to 1	5.6 to 5.6	W22	5	1	100%	California MCL
Perchlorate	49	4 to 4	1 to 21	W59	6	15	32%	NL
Chromium VI (hexavalent)	96	0.1 to 2	0.056 J to 33	W58B	10	7	7%	Federal MCL
Arsenic (dissolved)	108	1 to 1	0.5 J to 23	W67C	10	3	3%	Federal MCL
Nickel (dissolved)	127	2 to 2	1 J to 3,200	EW2	100	4	3%	California MCL
Vanadium (dissolved)	125	2 to 2	1.1 J to 150	W67C	50	1	1%	--
Chromium (dissolved)	104	2 to 2	0.5 to 37	W58B	50	0	0%	California MCL
Selenium (dissolved)	125	2 to 2	0.65 J to 30	W35	50	0	0%	California MCL
Lead (dissolved)	2	1 to 1	0.77 J to 1.8	W56C	15	0	0%	Federal MCL
Mercury (dissolved)	5	0.2 to 0.2	0.1 J to 0.19 J	W18	2	0	0%	California MCL
Antimony (dissolved)	11	2 to 2	0.5 J to 4.8	W29	6	0	0%	California MCL
Barium (dissolved)	128	1 to 1	10 to 400	W58B	1,000	0	0%	California MCL
Copper (dissolved)	62	2 to 2	0.51 J to 6.6	W69B	1,300	0	0%	Federal MCL
Zinc (dissolved)	67	20 to 20	2.5 J to 520	W66C	5,000	0	0%	Federal MCL

(a) Values reported in micrograms per liter (µg/l).
(b) J - Estimated value.
(c) Containment Levels shown are per Table 2 of the Explanation of Significant Differences (ESD) for the Puente Valley Operable Units (PVOU; USEPA,2005). Containment levels are Federal maximum containment levels (MCLs).
(d) NL - California Department of Public Health State Notification Level.
(e) Containment Levels shown are per Table 2 of the Explanation of Significant Differences (ESD) for the Puente Valley Operable Units (PVOU; USEPA,2005). Containment levels are California maximum containment levels (MCLs).
(f) "--" - Not established.

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W1	7/24/12	Dry[f]	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
	12/26/12[g]	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
	7/11/13[g]	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
	3/3/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
	8/23/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
W2	7/2/12	**25**	**8.0**	ND<0.5[h]	ND<1	ND<0.5	ND<1	0.78	ND<0.5	0.63	5.3	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	40
	12/26/12[g]	**23**	**7.2**	ND<0.1	ND<1	ND<0.5	ND<1	0.64	ND<0.1	ND<0.9	5.7	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	37
	7/10/13[g]	**28**	**7.9**	ND<0.1	ND<1	ND<0.5	0.41 J[i]	0.59	ND<0.1	0.60	5.6	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	43
	3/3/14	**23**	**7.1**	ND<0.5	ND<0.5	ND<0.5	0.33 J	0.71	ND<0.5	ND<0.57	5.0	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	36
	8/17/14	**16**	**6.1**	ND<0.5	ND<0.5	ND<0.5	0.31 J	0.52	ND<0.5	0.58	5.8	0.25 J	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	30
W3	7/11/12	**17**	**30**	ND<0.5	4.2	ND<0.5	ND<1	2.2	ND<0.5	**1.1**	3.4	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	58
	12/26/12[g]	**20**	**27**	ND<0.1	2.7	ND<0.5	1.4	2.5	ND<0.1	0.82	4.6	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	59
	7/16/13[g]	**40**	**280**	ND<0.1	39	ND<2.5	3.1 J	**10**	ND<0.1	**2.0**	2.2 J	ND<5	ND<2.5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5	371
	3/4/14	**50**	**420**	ND<2.5	57	**5.8**	4.8	**17**	ND<2.5	**1.7**	3.2	ND<2.5	ND<2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	561
	8/17/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
W4	6/26/12	**17**	4.6	ND<0.5	ND<1	ND<0.5	ND<1	ND<0.5	ND<0.5	0.43	3.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	26
	12/26/12[g]	**21**	**5.9**	ND<0.1	ND<1	ND<0.5	ND<1	0.20	ND<0.1	0.41	5.0	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	33
	7/11/13[g]	**21**	**6.1**	ND<0.1	ND<1 UJ[j]	ND<0.5	ND<1	0.38	ND<0.1	0.43	4.3	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2 UJ	ND<1	ND<1	32
	3/3/14	**21**	**5.5**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.37	3.9	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	30
	8/17/14	**18**	**5.5**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.19	5.1	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	29
W5	6/29/12	**24**	**7.7**	ND<0.5	ND<1	ND<0.5	ND<1	ND<0.5	ND<0.5	0.43	5.1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	37
	12/26/12[g]	**20**	**6.9**	ND<0.1	ND<1	ND<0.5	ND<1	0.55	ND<0.1	0.38	4.9	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	33
	7/10/13[g]	**18**	**7.4**	ND<0.1	ND<1	ND<0.5	ND<1	0.45	ND<0.1	0.42	5.2	0.77 J	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	31
	3/3/14	**14**	**6.7**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.31 J	ND<0.5	ND<0.4	**6.2**	0.58	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	27
	8/17/14	**12**	**6.7**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.44	**6.6**	0.72	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	26
W6	7/2/12	**20**	**6.9**	ND<0.5	ND<1	ND<0.5	ND<1	ND<0.5	ND<0.5	0.49	5.4	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	33
	12/26/12[g]	**22**	**7.3**	ND<0.1	ND<1	ND<0.5	ND<1	0.51	ND<0.1	0.47	**6.6**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	37
	7/10/13[g]	**25**	**7.6**	ND<0.1	ND<1	ND<0.5	ND<1	0.44	ND<0.1	0.43	**6.0**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	39

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W6	3/3/14	**24**	**7.3**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.45 J	ND<0.5	ND<0.46	**6.3**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	38
(cont.)	8/17/14	**19**	**6.7**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.32 J	ND<0.5	0.31	**6.8**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	33
W7	7/12/12	**35**	**22**	ND<0.5	**220**	2.0	**42**	**220**	ND<0.5	**2.1**	5.2	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	1.1	549
DUP[k]	7/12/12	**35**	**21**	ND<0.5	**200**	1.9	**36**	**200**	ND<0.5	**2.6**	5.3	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	1.2	503
	12/26/12[g]	**36**	**18**	ND<0.1	47	ND<1	**37**	**280**	0.099 J	**5.5**	**7.1**	ND<2	ND<1	ND<2	ND<2	ND<2	ND<4	ND<2	1.8 J	431
	7/11/13[g]	**45**	**23**	ND<5	2.5 J	0.52	**43**	**210**	ND<5	**12**	**8.0**	0.38 J	ND<0.5	ND<1 UJ	0.64 J	ND<1	ND<2 UJ	ND<1	1.8	343
	3/3/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
	8/23/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
W8	7/19/12	**15**	**50**	ND<0.5	**1,800**	**57**	**32**	**840**	**10**	**220**	3.7	ND<1	ND<0.5	ND<1	2.5	ND<1	ND<2	ND<1	ND<1	3,030
	12/27/12[g]	**20**	**61**	ND<0.1	**1,800**	**54**	**36**	**280**	**7.6**	**160**	**12 J**	ND<25	ND<13	ND<25	ND<25	ND<25	ND<50	ND<25	ND<25	2,419
	7/12/13[g]	**22**	**59**	ND<10	**3,500**	**65**	**52**	**1,600**	**8.3 J**	**160**	ND<40	ND<40	ND<20	ND<400 UJ	ND<40	ND<40	ND<80	ND<40	ND<40	5,458
	3/5/14	**14 J**	**63**	ND<25	**2,100**	**66**	**31**	**480**	ND<25	**26 B[l]**	ND<25	ND<25	ND<25	ND<50	ND<25	ND<25	ND<25	58 J	ND<25	2,838
	8/12/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
W9	6/29/12	4.3	**59**	ND<0.5	ND<1	ND<0.5	3.6	**110**	ND<0.5	**16**	ND<1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	193
	12/27/12[g]	**13**	**460**	ND<0.1	3.0 J	3.7	**33**	ND<0.1	**1.5**	**83**	3.3 J	ND<5	ND<2.5	ND<5	3.4 J	ND<5	ND<10	ND<5	ND<5	594
	7/11/13[g]	**12**	**380**	ND<2.5	ND<10	3.1 J	**19**	**460**	ND<2.5	**110**	ND<10	ND<10	ND<5	ND<10	0.45 J	ND<10	ND<20	ND<10	ND<10	2.2 J
	3/4/14	**67**	**2,300**	ND<50	ND<50	ND<50	**91**	**3,700**	ND<50	**210**	ND<50	ND<50	ND<50	ND<100	ND<50	ND<50	ND<50	ND<200	ND<50	6,368
	8/26/14	**76**	**2,100**	ND<20	ND<20	ND<20	**83**	**2,700**	ND<20 J	**290**	ND<20	ND<20	ND<20	ND<40	ND<20	ND<20	ND<20	ND<80	ND<20	5,249
W10	7/3/12	**17**	**21**	ND<0.5	ND<1	ND<0.5	1.0	**9.0**	ND<0.5	**2.7**	4.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	55
	12/26/12[g]	**24**	**46**	ND<0.1	1.7	ND<0.5	1.7	**11**	ND<0.1	**3.1**	**6.2**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	94
	7/12/13[g]	**25**	**30**	ND<0.1	0.68 J	ND<0.5	1.3	**11**	ND<0.1	**3.5**	5.5	ND<1	ND<0.5	ND<1 UJ	ND<1	ND<1	ND<2 UJ	ND<1	ND<1	76
	3/4/14	**17**	**78**	ND<0.5	6.7	ND<0.5	1.5	**16**	ND<0.5	**2.1 B**	2.8	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	124
	8/16/14	**11**	**28**	ND<0.5	0.69	ND<0.5	0.95	**8.6**	ND<0.5	**2.2**	4.3	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	56
W11	7/6/12	**21**	**46**	ND<0.5	ND<1	ND<0.5	3.0	**49**	ND<0.5	**1.6**	3.8	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	2.8	127
	12/26/12[g]	**8.5**	**22**	ND<0.1	0.47 J	ND<0.5	3.3	**24**	ND<0.1	**4.7**	2.2	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	0.66 J	65
	7/12/13[g]	**13**	**28**	ND<0.1	0.53 J	ND<0.5	3.0	**22**	ND<0.1	**5.8**	2.3	ND<1	ND<0.5	ND<1 UJ	ND<1	ND<1	ND<2 UJ	ND<1	1.1	75
	3/4/14	**8.0**	**22**	ND<0.5	0.27 J	ND<0.5	2.5	**30**	ND<0.5	**1.5 J**	2.7	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	1.2	66
	8/17/14	**19**	**54**	ND<0.5	ND<0.5	ND<0.5	4.1	**60**	ND<0.5	**2.9**	5.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	1.8	147

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W12	7/24/12	**14**	**92**	ND<0.5	ND<1	3.3	**30**	**140**	**1.2**	**140**	**9.2**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	430
	12/28/12[g]	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
	7/10/13[g]	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
	3/14/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
	8/8/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
W13	7/17/12	**10**	**72**	ND<0.5	ND<1	ND<0.5	**9.9**	**140**	ND<0.5	**13**	2.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	247
	12/27/12[g]	**9.5**	**58**	ND<0.1	ND<1	ND<0.5	**11**	**100**	0.11	**14**	3.1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	196
	7/12/13[g]	**5.6**	**39**	ND<1	ND<1	ND<0.5	**6.9**	**160**	ND<1	**9.2**	1.6	ND<1	ND<0.5	ND<10 UJ	ND<1	ND<1	ND<2	ND<1	ND<1	222
	3/14/14	3.5	**20**	ND<0.5	ND<0.5	ND<0.5	2.7	**74**	ND<0.5	**5.4 B**	0.79	ND<0.5	ND<0.5	ND<1 UJ	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	106
	8/8/14	0.73	3.4	ND<0.5	ND<0.5	ND<0.5	0.81	**11**	ND<0.5	**3.5**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	19
W14	7/18/12	**22**	**12**	ND<0.5	ND<1	ND<0.5	1.4	**15**	ND<0.5	**3.3**	4.7	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	1.2	60
DUP	7/18/12	**20**	**10**	ND<0.5	ND<1	ND<0.5	0.52 J	**12**	ND<0.5	**3.4**	4.4	ND<1	ND<0.5	ND<1 UJ	ND<1	ND<1	ND<2	ND<1	ND<1	2.8 J
	12/27/12[g]	**13**	**28**	ND<0.1	ND<1	ND<0.5	2.5	**67**	0.22	**2.3**	3.8	ND<1	ND<0.5	ND<1	0.33 J	ND<1	ND<2	ND<1	0.72 J	117
DUP	12/27/12[g]	**10**	**28**	ND<0.1	ND<1	ND<0.5	2.1	**64**	0.23	**3.0**	3.1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	0.42 J	110
	7/11/13[g]	**31**	**29**	ND<0.1	1.2 J	0.44 J	**7.3**	**68**	0.20	**10**	**6.2**	ND<1	ND<0.5	ND<1	0.36 J	ND<1	ND<2 UJ	ND<1	2.4	154
DUP	7/11/13[g]	**33**	**31**	ND<2.5	1.2 J	0.50	**7.6**	**71**	ND<2.5	**11**	**6.5**	ND<1	ND<0.5	ND<1	0.40 J	ND<1	ND<2 UJ	ND<1	2.6	163
	3/4/14	**16**	**23**	ND<0.5	0.69	0.51	**5.5**	**51**	ND<0.5	**7.8**	5.1	ND<0.5	ND<0.5	ND<1	ND<5	ND<0.5	ND<0.5	ND<2	0.83	111
DUP	3/4/14	**16**	**22**	ND<0.5	0.68	0.41 J	4.6	**46**	0.25 J	**8.8**	4.3	ND<0.5	ND<0.5	ND<1	0.35 J	ND<0.5	ND<0.5	ND<2	0.74	104
	8/8/14	**10**	**14**	ND<0.5	0.69	0.26 J	3.0	**34**	ND<0.5	**6.3**	3.9	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	0.52	73
DUP	8/8/14	**11**	**15**	ND<0.5	0.71	0.26 J	3.1	**35**	ND<0.5	**7.4**	3.8	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	0.53	77
W15	7/17/12	ND<0.5	1.4	ND<0.5	ND<1	ND<0.5	ND<1	1.7	ND<0.5	ND<0.19	ND<1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	3.1
	12/27/12[g]	0.79	2.6	ND<0.1	ND<1	ND<0.5	ND<1	**7.0**	ND<0.1	0.38	ND<1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	11
	7/22/13[g]	0.76	2.3	ND<0.1	ND<1	ND<0.5	ND<1	**7.2**	ND<0.1	0.35	ND<1	ND<1	ND<0.5	ND<1 UJ	ND<1	ND<1	ND<2	ND<1	ND<1	11
	3/4/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
	8/8/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
W16	7/18/12	1.8	2.3	ND<0.5	ND<1	ND<0.5	ND<1	**11**	ND<0.5	**1.1**	ND<1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	16
	12/27/12[g]	3.9	**27**	ND<0.1	ND<1	0.62	**10**	**160**	0.19	**7.2**	1.3	ND<1	ND<0.5	ND<1	0.41 J	ND<1	ND<2	ND<1	ND<1	210
	7/22/13[g]	**19**	**120**	ND<5	ND<1	2.3	**32**	**580**	ND<5	**43**	3.5	0.44 J	ND<0.5	ND<1 UJ	ND<3	ND<1	ND<2	ND<1	0.67 J	800

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W16	3/4/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
(cont.)	8/8/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
W17	7/19/12	**54**	**700**	ND<0.5	ND<1	1.6	**46**	**870**	**1.0**	**89**	**18**	ND<1	ND<0.5	ND<1	1.2	ND<1	ND<2	ND<1	ND<1	1,781
DUP	7/19/12	**63**	**960**	ND<0.5	ND<1	1.9	**57**	**1,200**	**1.4**	**98**	**21**	ND<1	ND<0.5	ND<1	1.6	ND<1	ND<2	ND<1	ND<1	2,404
	12/27/12[g]	**58**	**810**	ND<0.1	ND<5	2.4 J	**75**	**1,000**	**1.2**	**82**	**27**	ND<5	ND<2.5	ND<5	2.1 J	ND<5	ND<10	ND<5	ND<5	2,053
DUP	12/27/12[g]	**54**	**740**	ND<0.1	ND<4	2.0	**71**	**940**	**1.2**	**100**	**25**	ND<4	ND<2	ND<4	2.1 J	ND<4	ND<8	ND<4	ND<4	1,933
	7/11/13[g]	**48**	**430**	ND<2.5	ND<10 UJ	ND<5	**42**	**450**	**0.86 J**	**58**	**14**	ND<10	ND<5	ND<10	0.92 J	ND<10	ND<20 UJ	ND<10	ND<10	8.2
DUP	7/11/13[g]	**55**	**490**	ND<2.5	ND<10 UJ	ND<5	**48**	**290**	ND<2.5	**48**	**17**	ND<10	ND<5	ND<10	ND<10	ND<10	ND<20 UJ	ND<10	ND<10	948
	3/5/14	**41**	**360**	ND<2.5	ND<2.5	1.8 J	**48**	**500**	ND<2.5	**62**	**22**	ND<2.5	ND<2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	1,035
DUP	3/5/14	**42**	**360**	ND<2.5	ND<2.5	1.4 J	**45**	**460**	ND<2.5	**54**	**19**	ND<2.5	ND<2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	981
	8/11/14	**27**	**230**	ND<1	ND<1	1.2	**31**	**340**	ND<1	**31**	**15**	ND<1	ND<1	ND<2	0.60 J	ND<1	ND<1	ND<4	ND<1	676
DUP	8/11/14	--[m]	--	--	--	--	--	--	--	**46**	--	--	--	--	--	--	--	--	--	46
W18	7/3/12	**22**	**10**	ND<0.5	ND<1	ND<0.5	ND<1	0.72	ND<0.5	0.71	5.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	2.1	41
	12/26/12[g]	**27**	**12**	ND<0.1	ND<1	ND<0.5	ND<1	0.64	ND<0.1	0.87	**6.7**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	2.1	49
	7/11/13[g]	**24**	**10**	ND<0.1	ND<1 UJ	ND<0.5	ND<1	0.52	ND<0.1	0.74	4.7	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2 UJ	ND<1	2.2	42
	3/3/14	**19**	**12**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.80	ND<0.5	**110**	**6.5**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	2.3	151
	8/23/14	**30**	**16**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	0.40	**9.3**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	3.1	60
W19	6/26/12	**5.8**	2.2	ND<0.5	ND<1	ND<0.5	ND<1	ND<0.5	ND<0.5	0.32	ND<1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	8.3
	12/27/12[g]	**7.3**	2.3	ND<0.1	ND<1	ND<0.5	ND<1	0.22	0.098 J	0.71	1.2	ND<1	ND<0.5	ND<1	ND<1	ND<1	0.90 J	ND<1	1.1	13
	7/10/13[g]	**7.5**	2.6	ND<0.1	ND<1	ND<0.5	ND<1	0.19	0.086 J	0.31	0.86 J	ND<1	ND<0.5	ND<1	ND<1	ND<1	0.72 J	ND<1	1.3	12
	3/3/14	**9.1**	**5.2**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.30 J	0.41 J	ND<0.33	1.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	0.99	ND<2	2.1	20
DUP	3/3/14	**8.0**	4.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.29 J	0.41 J	ND<0.34	1.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	0.84	ND<2	1.9	18
	8/23/14	**7.5**	4.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.32 J	0.47 J	0.32	1.7	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	0.72	ND<0.5	1.5	17
W20	7/13/12	**78**	**490**	ND<2.5	ND<5	ND<2.5	**41**	**450**	ND<2.5	**78**	**21**	ND<5	ND<2.5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5	1,158
	12/27/12[g]	**68**	**470**	ND<0.1	ND<2.5	2.1	**46**	**500**	**0.68**	**65**	**23**	ND<2.5	ND<1.3	ND<2.5	0.95 J	ND<2.5	ND<5	ND<2.5	ND<2.5	1,175
	7/16/13[g]	**61**	**300**	ND<2.5	ND<5	1.5 J	**24**	**250**	ND<2.5	**59**	**15**	ND<5	ND<2.5	ND<5	ND<5	ND<5	ND<10	ND<1	ND<5	709
	3/5/14	**41**	**290**	ND<1	ND<1	1.8	**35**	**360**	0.77 J	**73 B**	**21**	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<4	ND<1	823
	9/17/14	**25**	**130**	ND<0.5	ND<0.5	0.83	**14**	**130**	ND<0.5	**38**	**11**	ND<0.5	ND<0.5	ND<1	0.27 J	ND<0.5	ND<0.5	ND<2	ND<0.5	349

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W21	6/28/12	0.86	ND<1	ND<0.5	ND<1	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.19	ND<1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	1.3	ND<1	2.2
	12/27/12[g]	ND<0.5	0.33 J	ND<0.1	1.9	ND<0.5	ND<1	0.76	ND<0.1	0.30	ND<1	ND<1	ND<0.5	ND<1	4.5 J	ND<1	ND<2	ND<1	ND<1	2.8 J
	7/12/13[g]	1.9	1.3	ND<0.1	ND<1	ND<0.5	ND<1	0.46	ND<0.1	0.26	ND<1	ND<1	ND<0.5	ND<10 UJ	ND<1	ND<1	ND<2	ND<1	ND<1	3.9
	3/5/14	1.1	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.79	ND<0.5	ND<0.19	0.29 J	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	3.7
	8/11/14	0.82	0.92	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.45 J	ND<0.5	ND<0.19	0.26 J	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5
W22	6/28/12	**5.4**	**17**	ND<0.5	ND<1	ND<0.5	ND<1	**6.7**	ND<0.5	ND<0.19	1.9	ND<1	ND<0.5	ND<1	2.1	ND<1	ND<2	1.1	1.2	35
	12/28/12[g]	2.1	**8.4**	ND<0.1	ND<1	ND<0.5	0.40 J	2.8	0.11	0.26	0.91 J	ND<1	ND<0.5	ND<1	2.4	ND<1	ND<2	ND<1	0.52 J	16
	7/16/13[g]	2.1	**8.4**	ND<0.1	ND<1	ND<0.5	0.46 J	3.3	0.099 J	0.12 J	1.0	ND<1	ND<0.5	ND<1	ND<3	ND<1	ND<2	ND<1	0.48 J	15
	3/5/14	1.7	**7.6**	ND<0.5	ND<0.5	ND<0.5	0.36 J	3.9	ND<0.5	ND<0.2	0.90	ND<0.5	ND<0.5	ND<1	3.0	ND<0.5	ND<0.5	ND<2	0.53	18
	8/26/14	1.8	**7.6**	ND<0.5	ND<0.5	ND<0.5	0.35 J	3.3	ND<0.5	0.13 J	0.79	ND<0.5	ND<0.5	ND<1.0 J	2.6	ND<0.5	ND<0.5	ND<0.5	0.43 J	17
W23	6/25/12	4.9	ND<1	ND<0.5	ND<1	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.19	ND<1	ND<1	ND<0.5	ND<1	2.6	ND<1	ND<2	ND<1	ND<1	7.5
	12/28/12[g]	0.83	ND<1	ND<0.1	ND<1	ND<0.5	ND<1	ND<0.1	ND<0.1	ND<0.19	ND<1	ND<1	ND<0.5	ND<1	1.2	ND<1	ND<2	ND<1	ND<1	2.0
	7/12/13[g]	3.2	ND<1	ND<0.1	ND<1	ND<0.5	ND<1	ND<0.1	ND<0.1	0.14 J	ND<1	ND<1	ND<0.5	ND<1 UJ	ND<2.5	ND<1	ND<2	ND<1	ND<1 UJ	3.2
	3/6/14	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.19	ND<0.5	ND<0.5	ND<0.5	ND<1	2.2	ND<0.5	ND<0.5	ND<2	ND<0.5	3.4
	8/12/14	0.92	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.19	ND<0.5	ND<0.5	ND<0.5	ND<1	0.90 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8
W24	7/11/12	**11**	**170**	ND<0.5	ND<1	1.4	**20**	**140**	**0.94**	**45**	4.4	ND<1	ND<0.5	ND<1	1.1	ND<1	ND<2	ND<1	ND<1	394
	12/28/12[g]	**12**	**190**	ND<0.1	ND<1	1.6	**25**	**300**	**0.84**	**52**	**6.0**	0.5 J	ND<0.5	ND<1	0.93 J	ND<1	ND<2	ND<1	ND<1	587
DUP	12/28/12[g]	**13**	**190**	ND<0.1	ND<1	1.7	**26**	**300**	**0.85**	**52**	**6.6**	ND<1	ND<0.5	ND<1	--	ND<1	ND<2	ND<1	ND<1	590
	7/22/13[g]	**24**	**210**	ND<5	ND<5	1.8 J	**28**	**340**	ND<5	**67**	**6.5**	ND<5	ND<2.5	ND<5 UJ	ND<5	ND<5	ND<10	**5.5**	ND<5	681
DUP	7/22/13[g]	**21**	**200**	ND<5	0.33 J	2.1 J	**26**	**340**	ND<5	**65**	**6.3**	ND<5	ND<2.5	ND<5 UJ	ND<5	ND<5	ND<2 UJ	**5.4**	ND<5	664
	3/10/14	**8.4**	**67**	ND<0.5	ND<0.5	1.2	**15**	ND<0.5	**0.66**	**43**	3.4	0.56	ND<0.5	ND<1	ND<0.96	ND<0.5	ND<0.5	ND<2	ND<0.5	139
DUP	3/10/14	**7.9**	**67**	ND<0.5	ND<0.5	1.3	**16**	ND<0.5	**0.71**	**48**	3.5	0.57	ND<0.5	ND<1	ND<1.1	ND<0.5	ND<0.5	ND<2	ND<0.5	145
	8/13/14	**17**	**170**	ND<0.5	ND<0.5	1.4	**19**	ND<0.5	**0.79**	**53**	3.9	0.55	ND<0.5	ND<1	0.95	ND<0.5	ND<0.5	ND<2	ND<0.5	267
W25	6/26/12	**6.5**	ND<1	ND<0.5	ND<1	ND<0.5	ND<1	0.63	ND<0.5	ND<0.19	ND<1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	7.1
	12/28/12[g]	4.2	0.45 J	ND<0.1	ND<1	ND<0.5	ND<1	0.44	ND<0.1	0.27	ND<1	ND<1	ND<0.5	ND<1	0.55 J	ND<1	ND<2	ND<1	ND<1	4.9
	7/12/13[g]	**6.4**	0.60 J	ND<0.1	ND<1	ND<0.5	ND<1	0.39	ND<0.1	0.082 J	ND<1	ND<1	ND<0.5	ND<1 UJ	ND<1	ND<1	ND<2	ND<1	ND<1 UJ	6.8
	3/6/14	**5.2**	0.43 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.37 J	ND<0.5	ND<0.19	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1.6	ND<0.5	ND<0.5	ND<2	ND<0.5	6.1
	8/12/14	**9.1**	0.28 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.30	ND<0.5	ND<0.5	ND<0.5	ND<1	0.89 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	9.7

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W26	2/12/13[g]	**45**	**180**	ND<0.5	ND<1	ND<0.5	**23**	**270**	ND<0.5	**9.3**	**10**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	1.9	539
	7/12/13[g]	**40**	**180**	ND<2.5	ND<1 UJ	ND<0.5	**21**	**260**	ND<2.5	**11**	**9.5**	ND<1	ND<0.5	ND<1 UJ	ND<1	ND<1	ND<2 UJ	ND<1	2.3 J	522
	3/4/14	**28**	**140**	ND<0.5	ND<0.5	0.29 J	**18**	**230**	ND<0.5	**6.6**	**9.4**	0.30 J	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	1.9	435
	8/17/14	**24**	**130**	ND<0.5	ND<0.5	ND<0.5	**17**	**190**	ND<0.5	**8.4**	**8.9**	ND<0.5	ND<0.5	ND<1	0.47 J	ND<0.5	ND<0.5	ND<2	1.0	380
W27	2/12/13[g]	**27**	**20**	ND<0.5	ND<1	ND<0.5	1.6	**18**	ND<0.5	**2.4**	**6.3**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	75
	7/11/13[g]	**17**	**12**	ND<0.1	ND<1	ND<0.5	0.67 J	**6.0**	ND<0.1	**1.0**	5.2	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	41
	3/4/14	**19**	**15**	ND<0.5	ND<0.5	ND<0.5	0.80	**8.8**	ND<0.5	**2.2 B**	5.8	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	52
	8/16/14	**11**	**10**	ND<0.5	ND<0.5	ND<0.5	0.73	4.8	ND<0.5	**3.2**	4.4	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	34
W28A	2/11/13[g]	**35**	**580**	ND<0.5	ND<1	ND<0.5	**26**	**910**	ND<0.5	**18**	**8.4**	ND<1	ND<0.5	ND<1	2.0	ND<1	ND<2	ND<1	ND<1	1,579
DUP	2/11/13[g]	**36**	**540**	ND<0.5	ND<1	ND<0.5	**27**	**860**	ND<0.5	**15**	**8.9**	ND<1	ND<0.5	ND<1	2.1	ND<1	ND<2	ND<1	ND<1	1,489
	7/12/13[g]	**32**	**1,000**	ND<10	ND<10 UJ	4.3 J	**70**	**2,200**	ND<10	**44**	**9.2 J**	ND<10	ND<5	ND<10 UJ	5.7 J	ND<10	ND<20 UJ	**25**	ND<10	3,371
	3/4/14	**47**	**1,500**	ND<13	ND<13	ND<13	**61**	**2,200**	ND<13	**57**	**9.0 J**	ND<13	ND<13	ND<25	6.3 J	ND<13	ND<13	ND<50	ND<13	3,880
	8/17/14	**72**	**2,800**	ND<13	ND<13	**9.7 J**	**140**	**3,700**	ND<13	**140**	**15**	ND<13	ND<13	ND<25	17	ND<13	ND<13	ND<50	ND<13	6,894
W28B	2/11/13[g]	**36**	**270**	ND<0.5	ND<1	ND<0.5	**36**	**500**	ND<0.5	**16**	**9.7**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	1.8	870
	7/12/13[g]	**37**	**280**	ND<2.5	ND<2 UJ	ND<1	**41**	**490**	ND<2.5	**18**	**9.3**	ND<2	ND<1	ND<2 UJ	ND<2	ND<2	ND<4 UJ	ND<5	1.8 J	875
	3/4/14	**42**	**380**	ND<1	ND<1	0.50 J	**55**	**620**	ND<1	**18**	**14**	0.51 J	ND<1	ND<2	ND<1.6	ND<1	ND<1	ND<4	2.5	1,133
	8/17/14	**37**	**370**	ND<2.5	ND<2.5	ND<2.5	**49**	**540**	ND<2.5	**22**	**11**	ND<2.5	ND<2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	ND<10	1.5 J	1,031
W29	2/11/13[g]	**48**	**980**	ND<0.5	ND<1	2.0	**150**	**2,000**	ND<0.5	**38**	**17**	1.1	ND<0.5	ND<1	2.7	ND<1	ND<2	1.3	4.1	3,244
	7/12/13[g]	**53**	**1,100**	ND<10	ND<20	ND<10	**160**	**2,500**	ND<10	**35**	**15 J**	ND<20	ND<10	ND<20 UJ	ND<20	ND<20	ND<40	ND<20	ND<20	3,848
	3/14/14	**28**	**700**	ND<10	ND<10	ND<10	**130**	**1,400**	ND<10 UJ	**27 B**	**15**	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<40	ND<10	2,300
	8/28/14	**38**	**870**	ND<10	ND<10	ND<10	**110**	**1,400**	ND<10	**39**	**13**	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	19 J	ND<10	2,489
W30	2/8/13[g]	**24**	**290**	ND<0.5	ND<1	1.4	**67**	**580**	ND<0.5	**47**	**7.0**	ND<1	ND<0.5	ND<1	1.1	ND<1	ND<2	ND<1	ND<1	1,018
	7/10/13[g]	**23**	**180**	ND<2.5	ND<4	ND<2	**38**	**290**	ND<2.5	**31**	**6.2**	ND<4	ND<2	ND<4	ND<4	ND<4	ND<8	ND<4	ND<4	568
	3/4/14	**31**	**540**	ND<5	ND<5	3.7 J	**79**	**1,000**	ND<5	**53**	**8.7**	ND<5	ND<5	ND<10	2.5 J	ND<5	ND<5	ND<20	ND<5	1,718
	8/16/14	**35**	**920**	ND<5	ND<5	**6.1**	**110**	**1,700**	**3.0 J**	**190**	**8.5**	ND<5	ND<5	ND<10	4.2 J	ND<5	ND<5	ND<20	ND<5	2,977
W31	2/12/13[g]	**33**	**130**	ND<0.5	ND<1	ND<0.5	**22**	**190**	ND<0.5	**11**	**8.4**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	394
	7/12/13[g]	**28**	**120**	ND<2.5	ND<1	0.37 J	**19**	**130**	ND<2.5	**13**	**7.2**	0.42 J	ND<0.5	ND<1	0.48 J	ND<1	ND<2	ND<1	0.51 J	317
	3/3/14	**25**	**81**	ND<0.5	ND<0.5	ND<0.5	**12**	**110**	ND<0.5	**6.3**	**7.6**	ND<0.5	ND<0.5	ND<1	0.30 J	ND<0.5	ND<0.5	ND<2	0.29 J	242
	8/23/14	**20**	**51**	ND<0.5	ND<0.5	ND<0.5	**7.3**	**52**	ND<0.5	**7.3**	5.8	0.21 J	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	144

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W32	2/11/13[g]	**47**	**410**	ND<0.5	ND<1	1.4	**63**	**880**	ND<0.5	**26**	**13**	ND<1	ND<0.5	ND<1	1.2	ND<1	ND<2	ND<1	ND<1	1,442
DUP	2/11/13[g]	**45**	**370**	ND<0.5	ND<1	1.6	**49**	**780**	ND<0.5	**22**	**12**	ND<1	ND<0.5	ND<1	1.2	ND<1	ND<2	ND<1	ND<1	1,281
	7/11/13[g]	**37**	**260**	ND<2.5	ND<5	ND<2.5	**46**	**500**	ND<2.5	**15**	**10**	ND<5	ND<2.5	ND<5 UJ	ND<5	ND<5	ND<10	ND<5	ND<5	868
DUP	7/11/13[g]	**39**	**270**	ND<2.5	ND<5	ND<2.5	**49**	**510**	ND<2.5	**21**	**10**	ND<5	ND<2.5	ND<5 UJ	ND<5	ND<5	ND<10	ND<5	ND<5	899
	3/4/14	**26**	**150**	ND<1	ND<1	1.1	**31**	**340**	ND<1	**16**	**9.4**	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	2.1 J	0.58 J	577
DUP	3/4/14	**24**	**150**	ND<1	ND<1	0.84 J	**32**	**360**	ND<1	**14**	**9.7**	ND<1	ND<1	ND<2	0.66 J	ND<1	ND<1	2.6 J	0.59 J	594
	8/16/14	**9.1**	**85**	ND<2.5	ND<2.5	ND<2.5	**26**	**240**	ND<2.5	**16**	**7.6**	ND<2.5	ND<2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	384
DUP	8/16/14	**10**	**90**	ND<2.5	ND<2.5	ND<2.5	**27**	**240**	ND<2.5	**15**	**7.9**	ND<2.5	ND<2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	390
W33	2/7/13[g]	**41**	**180**	ND<0.5	1.1	1.8	**70**	**480**	ND<0.5	**38**	**10**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	822
	7/11/13[g]	**30**	**150**	ND<2.5	2.4	1.2	**58**	**270**	ND<2.5	**23**	**7.8**	ND<2	ND<1	ND<2 UJ	0.84 J	ND<2	ND<4	ND<2	ND<2	542
DUP	7/11/13[g]	**28**	**150**	ND<2.5	2.4 J	1.3	**55**	**260**	ND<2.5	**26**	**7.7**	ND<2	ND<1	ND<2 UJ	0.81 J	ND<2	ND<4 UJ	ND<2	ND<2	528
	3/3/14	**16**	**76**	ND<1	0.93 J	0.70 J	**24**	**140**	ND<1	**17**	**7.2**	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<4	ND<1	282
	8/24/14	**17**	**74**	ND<0.5	0.40 J	0.77	**19**	**110**	ND<0.5	**16**	**6.1**	ND<0.5	ND<0.5	ND<1	0.37 J	ND<0.5	ND<0.5	ND<2	ND<0.5	244
W34A	2/7/13[g]	**99**	**1,500**	ND<1	ND<2	**55**	**690**	**14,000**	ND<1	**270**	**44**	4.1	ND<1	ND<2	18	ND<2	ND<4	4.1	2.1	16,686
	7/15/13[g]	**84**	**1,200**	ND<50	ND<50 UJ	**36**	**500**	**12,000**	ND<50	**280**	**36 J**	ND<50	ND<25	ND<50 UJ	ND<50	ND<50	ND<100 UJ	ND<50	ND<50	14,100
	3/3/14	**74 J**	**1,200**	ND<100	ND<100	ND<100	**520**	**10,000**	ND<100	**310**	ND<100	ND<100	ND<100	ND<200	ND<100	ND<100	ND<100	ND<400	ND<100	12,104
	8/24/14	**69**	**990**	ND<50	ND<50	**38 J**	**400**	**7,200**	ND<50 J	**410**	**34 J**	ND<50	ND<50	ND<100	ND<50	ND<50	ND<50	ND<200	ND<50	9,141
W34B	2/8/13[g]	**15**	**6.0**	ND<0.5	ND<1	ND<0.5	ND<1	2.2	ND<0.5	0.78	2.7	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	1.4	28
	7/15/13[g]	**18**	**7.5**	ND<0.1	ND<1 UJ	ND<0.5	0.68 J	4.6	0.30	**1.9**	3.5	ND<1	ND<0.5	ND<1 UJ	ND<1	ND<1	ND<2 UJ	ND<1	2.2	38
	3/3/14	**12**	**7.5**	ND<0.5	ND<0.5	ND<0.5	0.58	**12**	ND<0.5	ND<0.73	2.7	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	0.37 J	ND<2	2.0	37
	8/24/14	**12**	**6.1**	ND<0.5	ND<0.5	ND<0.5	0.33 J	2.8	ND<0.5	0.71	2.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	2.5	27
W35	2/8/13[g]	**42**	**190**	ND<0.5	ND<1	ND<0.5	**49**	**760**	ND<0.5	**80**	**12**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	1,133
	7/11/13[g]	**42**	**200**	ND<2.5	ND<10	ND<5	**43**	**420**	ND<2.5	**54**	**11**	ND<10	ND<5	ND<10	ND<10	ND<10	ND<20	ND<10	ND<10	770
	3/3/14	**34**	**180**	ND<5	ND<5	ND<5	**41**	**520**	ND<5	**55**	**12**	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<20	ND<5	842
	8/23/14	**34**	**150**	ND<5	ND<5	ND<5	**29**	**310**	ND<5	**61**	**8.0**	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<20	ND<5	592

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		5	5	0.2	200	5	5	6	0.5	1	6	10	0.5	NE[d]	NE	NE	NE	5	150	NE
Drinking Water Standard[e]		5	5	1	200	32	5	6	0.5	1	6	10	1	100	100	NE	NE	5	150	NE
W36	5/30/13[g]	28	120	ND<2.5	130	2.3	24	750	ND<2.5	7.5	7.1	ND<1	ND<0.5	ND<1	1.1	ND<1	ND<2	ND<1	ND<1	1,070
	3/4/14	19	120	ND<5	82	ND<5	38	540	ND<5	12	8.4	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	12 J	ND<5	819
DUP	3/4/14	20	130	ND<5	95	ND<5	41	590	ND<5	11	11	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	13 J	ND<5	898
	8/16/14	18	97	ND<2.5	17	ND<2.5	23	280	ND<2.5	14	8.3	ND<2.5	ND<2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	457
DUP	8/16/14	18	96	ND<2.5	16	ND<2.5	23	280	ND<2.5	13	7.6	ND<2.5	ND<2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	454
W37A	2/8/13[g]	28	100	ND<0.5	ND<1	4.9	72	1,100	72	120	9.1	ND<1	ND<0.5	ND<1	1.7	ND<1	ND<2	1.7	1.1	1,511
	7/15/13[g]	28	66	ND<5	8.9 J	3.0	42	1,100	ND<5	66	8.5	0.48 J	ND<0.5	ND<1 UJ	1.2	ND<1	ND<2 UJ	ND<1	0.73 J	1,315
	3/3/14	26	51	ND<5	66	ND<5	27	550	ND<5	59	7.4	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<20	ND<5	786
	8/23/14	20	34	ND<2.5	39	ND<2.5	15	280	ND<2.5	23	4.9	ND<2.5	ND<2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	416
W37B	7/15/13[g]	25	8.9	ND<0.5	ND<1	ND<0.5	ND<1	0.90	ND<0.5	0.64	3.7	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	3.0	42
	3/3/14	10	4.7	ND<0.5	ND<0.5	ND<0.5	0.26 J	0.63	ND<0.5	55	2.4	ND<0.5	ND<0.5	3.1	ND<0.5	ND<0.5	ND<0.5	ND<2	1.7	78
	8/23/14	15	6.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.48 J	ND<0.5	1.2	2.8	ND<0.5	ND<0.5	1.9	ND<0.5	ND<0.5	ND<0.5	ND<2	2.2	30
W38	2/8/13[g]	28	52	ND<0.5	67	4.9	40	840	ND<0.5	250	7.8	ND<1	ND<0.5	ND<1	1.1	ND<1	ND<2	ND<1	ND<1	1,291
	7/15/13[g]	22	23	ND<5	220 J	0.80	14	460	ND<5	47	5.4	ND<1	ND<0.5	ND<1 UJ	0.39 J	ND<1	ND<2 UJ	ND<1	ND<1	572
	3/3/14	21	19	ND<1.3	97	ND<1.3	10	190	ND<1.3	66	6.3	ND<1.3	ND<1.3	ND<2.5	ND<1.3	ND<1.3	ND<1.3	ND<5	ND<1.3	409
	8/17/14	15	16	ND<1.3	31	ND<1.3	7.9	140	ND<1.3	16	5.1	ND<1.3	ND<1.3	ND<2.5	ND<1.3	ND<1.3	ND<1.3	ND<5	ND<1.3	231
W39A	5/31/13[g]	49	110	ND<25	10	2.6	300	3,000	ND<25	50	12	1.7	ND<0.5	ND<1	7.5	ND<1	ND<2	ND<1	1.6	3,544
	3/3/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
	8/16/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
W39B	2/12/13[g]	29	89	ND<0.5	ND<1	3.8	81	1,300	ND<0.5	81	9.2	ND<1	ND<0.5	ND<1	2.2	ND<1	ND<2	ND<1	1.6	1,597
	7/15/13[g]	29	86	ND<10	ND<10 UJ	4.5 J	94	1,800	ND<10	63	8.7 J	ND<10	ND<5	ND<10 UJ	ND<10	ND<10	ND<20 UJ	ND<10	ND<10	2,072
	3/4/14	24	74	ND<13	ND<13	ND<13	95	1,500	ND<13	75	10 J	ND<13	ND<13	ND<25	ND<13	ND<13	ND<13	ND<50	ND<13	1,778
	8/16/14	16	55	ND<5	ND<5	3.6 J	69	1,100	ND<5	110	7.8	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<20	ND<5	1,361
W40	2/12/13[g]	44	53	ND<1	ND<2	ND<1	23	220	ND<1	2.4	8.9	ND<2	ND<1	ND<2	ND<2	ND<2	ND<4	ND<2	ND<2	351
	7/11/13[g]	60	190	ND<10	ND<2 UJ	5.8	150	2,100	ND<10	74	13	1.3 J	ND<1	ND<2 UJ	3.2	ND<2	ND<4 UJ	ND<2	2.4	2,598
	3/3/14	52	240	ND<20	ND<20	ND<20	200	3,100	ND<20	120	18 J	ND<20	ND<20	ND<40	ND<20	ND<20	ND<20	ND<80	ND<20	3,712
	8/23/14	55	180	ND<25	ND<25	ND<25	81	1,700	ND<25	78	ND<25	ND<25	ND<25	ND<50	ND<25	ND<25	ND<25	ND<100	ND<25	2,094

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W41	2/7/13[g]	**23**	**36**	ND<0.5	ND<1	ND<0.5	**12**	**270**	ND<0.5	0.45	4.6	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	2.0	348
	7/11/13[g]	**14**	**7.9**	ND<0.1	ND<1 UJ	ND<0.5	ND<1	0.86	0.061 J	0.34	2.3	ND<1	ND<0.5	ND<1 UJ	ND<1	ND<1	ND<2 UJ	ND<1	1.6	27
	3/3/14	**11**	**6.1**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.28 J	ND<0.5	ND<0.19	2.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	1.0	21
	8/17/14	**9.1**	**5.4**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.23	2.3	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.84	18
DUP	8/17/14	**7.5**	4.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.27	2.4	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.84	16
W42	2/12/13[g]	**50**	**510**	ND<0.5	ND<1	ND<0.5	**57**	**1,300**	ND<0.5	**18**	**12**	ND<1	ND<0.5	ND<1	1.3	ND<1	ND<2	ND<1	3.3	1,952
	7/16/13[g]	**40**	**370**	ND<10	ND<5	ND<2.5	**60**	**1,000**	ND<10	**18**	**12**	ND<5	ND<2.5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5	1,500
	3/5/14	**30**	**310**	ND<13	ND<13	ND<13	**63**	**1,200**	ND<13	**20 B**	**12 J**	ND<13	ND<13	ND<24	ND<13	ND<13	ND<13	37 J	ND<13	1,672
	8/26/14	**41**	**410**	ND<10	ND<10	ND<10	**66**	**1,200**	ND<10 J	**24**	**12**	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<40	ND<10	1,753
W43A	2/13/13[g]	**85**	**1,900**	ND<0.5	1.3	ND<0.5	**140**	**3,800**	ND<0.5	0.069 J	**16**	1.2	ND<0.5	ND<1	7.0	ND<1	ND<2	ND<1	1.1	5,952
	7/10/13[g]	**52**	**1,100**	ND<10	ND<20	ND<10	**91**	**1,800**	ND<10	**94**	**11 J**	ND<20	ND<10	ND<20	ND<20	ND<20	ND<40	ND<20	ND<20	3,137
	3/5/14	**54**	**1,500**	ND<20	ND<20	ND<20	**110**	**2,800**	ND<20	**170**	**14 J**	ND<20	ND<20	ND<40	ND<20	ND<20	ND<20	ND<80	ND<20	4,648
	8/27/14	**58**	**1,500**	ND<25	ND<25	ND<25	**80 J**	**2,400**	ND<25 J	**190**	ND<25	ND<25	ND<25	ND<50	ND<25	ND<25	ND<25	ND<100	ND<25	4,228
W43B	2/13/13[g]	**11**	**37**	ND<0.5	ND<1	ND<0.5	**8.5**	**110**	ND<0.5	**11 B**	2.2	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	1.2	170
	7/10/13[g]	**7.9**	**56**	ND<2.5	ND<1	0.61	**15**	**150**	ND<2.5	**29**	2.1	ND<1	ND<0.5	ND<1	0.72 J	ND<1	0.52 J	ND<1	0.79 J	261
	3/5/14	**8.4**	**5.2**	ND<0.5	ND<0.5	ND<0.5	0.30 J	4.4	ND<0.5	0.66	1.8	ND<0.5	ND<0.5	0.57 J	ND<0.5	ND<0.5	0.32 J	ND<2	1.3	23
	8/27/14	**7.4**	4.7	ND<0.5	ND<0.5	ND<0.5	0.28 J	3.6	ND<0.5 J	0.74	1.3	ND<0.5	ND<0.5	0.69 J	ND<0.5	ND<0.5	0.52	ND<2	1.3	21
W44A	2/13/13[g]	**81**	**1,500**	ND<0.5	ND<1	**13**	**100**	**4,000**	ND<0.5	**360**	**8.5**	1.2	ND<0.5	ND<1	8.7	ND<1	ND<2	ND<1	ND<1	6,072
	7/11/13[g]	1.8	2.2	ND<0.1	ND<1	ND<0.5	0.50 J	3.3	0.16	**2.4**	0.57 J	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	9.9
	9/19/13[g]	**7.1**	**180**	ND<2	2.3	**15**	**420**	ND<2.5	ND<2.5	**74**	0.85 J	ND<2	ND<1	1.7 J	2.8	ND<2	ND<4	ND<2	ND<2	701
	3/4/14	**37**	**860**	ND<25	ND<25	ND<25	**53**	**1,900**	ND<25	**210 B**	ND<25	ND<25	ND<25	ND<50	ND<25	ND<25	ND<25	ND<100	ND<25	3,060
	8/27/14	**47**	**1,300**	ND<25	ND<25	**13 J**	**81 J**	**2,600**	ND<25 J	**450**	ND<25	ND<25	ND<25	ND<50	ND<25	ND<25	ND<25	ND<100	ND<25	4,491
W44B	2/13/13[g]	**16**	**7.9**	ND<0.5	ND<1	ND<0.5	ND<1	**7.8**	ND<0.5	**2.2**	3.1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	1.2	38
DUP	2/13/13[g]	**15**	**7.9**	ND<0.5	ND<1	ND<0.5	ND<1	**7.4**	ND<0.5	**2.1**	3.4	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	1.3	37
	7/11/13[g]	**19**	**7.9**	ND<0.1	ND<1 UJ	ND<0.5	0.41 J	1.4	0.27	0.91	3.8	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2 UJ	ND<1	2.6	36
DUP	7/11/13[g]	**20**	**8.1**	ND<0.1	ND<1	ND<0.5	0.42 J	2.0	0.31	0.81	3.4	ND<1	ND<0.5	ND<1	ND<1	ND<1	0.40 J	ND<1	2.5	37

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W44B	3/4/14	2.5	2.9	ND<0.5	ND<0.5	ND<0.5	0.54	3.4	ND<0.5	**2.4**	1.0	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.27 J	13
DUP	3/4/14	2.2	3.1	ND<0.5	ND<0.5	ND<0.5	0.53	3.4	ND<0.5	**2.7**	1.1	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.28 J	13
(cont.)	8/27/14	**9.1**	4.8	ND<0.5	0.92	ND<0.5	0.38 J	1.5	0.25 J	**1.9**	2.2	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	1.2	22
DUP	8/27/14	**9.1**	**5.1**	ND<0.5	0.93	ND<0.5	0.35 J	1.6	ND<0.5	**1.9**	2.2	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	1.2	22
W44C	2/13/13[g]	**5.8**	2.1	ND<0.5	ND<1	ND<0.5	ND<1	1.3	ND<0.5	**120**	ND<1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	129
	7/11/13[g]	1.0	3.7	ND<0.1	ND<1	ND<0.5	0.65 J	**11**	0.14	0.95	0.34 J	ND<1	ND<0.5	4.5	ND<1	ND<1	ND<2	ND<1	ND<1	21
	9/19/13[g]	**5.3**	3.0	ND<1	ND<0.5	ND<1	0.60	0.087 J	0.087 J	0.29	0.87 J	ND<1	ND<0.5	ND<1	ND<1	ND<1	0.73 J	ND<1	1.1	10
	3/4/14	4.5	2.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.2	ND<0.5	0.21 B	0.53	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	0.69	ND<2	0.91	9.0
	8/27/14	2.7	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.1	ND<0.5 J	0.34	0.40 J	ND<0.5	ND<0.5	0.82 J	ND<0.5	ND<0.5	0.51	ND<2	0.77	9.5
W45	2/13/13[g]	**39**	**21**	ND<0.5	5.3	ND<0.5	**5.7**	**42**	ND<0.5	**1.7**	**7.0**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	2.5	124
	7/12/13[g]	**44**	**24**	ND<2.5	28	**6.7**	**5.7**	**84**	ND<2.5	**2.5**	**6.8**	ND<1	ND<0.5	ND<1 UJ	ND<1	ND<1	ND<2	ND<1	3.4	205
	3/5/14	**29**	**18**	ND<0.5	38	3.8	3.4	**70**	0.93	**3.0 B**	**6.7**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	1.5 J	2.1	177
	8/12/14	**29**	**16**	ND<0.5	27	1.2	1.4	**31**	ND<0.5	**1.4**	**6.2**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	3.0	116
W46	2/14/13[g]	**49**	**970**	ND<0.5	ND<1	**7.2**	**180**	**2,600**	ND<0.5	**180 B**	**11**	ND<1	**0.5**	ND<1	5.7	ND<1	ND<2	ND<1	ND<1	3,823
	7/12/13[g]	**50**	**920**	ND<2.5	ND<10 UJ	**6.2**	**190**	**12,000**	**2.1 J**	**140**	**9.6 J**	ND<10	ND<5	ND<10 UJ	6.8 J	ND<10	ND<20 UJ	**21**	ND<10	13,327
	3/4/14	**36**	**700**	ND<25	ND<25	ND<25	**110**	**2,500**	ND<25	**160**	ND<25	ND<25	ND<25	ND<50	ND<25	ND<25	ND<25	ND<100	ND<25	3,506
	8/26/14	**38**	**770**	ND<13	ND<13	**8.4 J**	**88**	**1,700**	ND<13 J	**280**	**6.6 J**	ND<13	ND<13	ND<25	ND<13	ND<13	ND<13	ND<50	ND<13	2,891
W47	5/31/13[g]	**40**	**15**	ND<0.5	ND<1	ND<0.5	ND<1	1.8	ND<0.5	0.66	**6.4**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	2.4	66
	3/3/14	**24**	**11**	ND<0.5	ND<0.5	ND<0.5	0.72	1.9 J	ND<0.5	18	5.0	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	2.3	63
	8/23/14	**31**	**11**	ND<0.5	ND<0.5	ND<0.5	2.4	5.4	ND<0.5	0.71	**7.5**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	1.4	59
W48	5/29/13[g]	**90**	**120**	ND<0.5	ND<1	ND<0.5	**16**	**320**	ND<0.5	**7.1**	**20**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	5.5	579
	3/5/14	**60**	**120**	ND<0.5	ND<0.5	ND<0.5	**10**	**160**	ND<0.5	**5.0**	**19**	0.38 J	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	4.1	378
	8/29/14	**56**	**60**	ND<0.5	ND<0.5	ND<0.5	3.5	**58**	ND<0.5	**2.2**	**13**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	2.7	195
W49	5/31/13[g]	**25**	**90**	ND<2.5	ND<1	ND<0.5	**5.3**	**150**	ND<2.5	**1.8**	3.9	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	3.0	279
	3/3/14	**35**	**190**	ND<2	ND<2	ND<2	**12**	**270**	ND<2	**2.3**	**6.7**	ND<2	ND<2	ND<4	ND<2	ND<2	ND<2	ND<8	4.4	520
	8/23/14	**31**	**140**	ND<1	ND<1	ND<1	**6.8**	**150**	ND<1	**1.5**	**6.5**	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<4	4.6	340
W50A	5/30/13[g]	**68**	**420**	ND<2.5	ND<1	1.4	**29**	**350**	ND<2.5	**27**	**24**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	2.1	922
DUP	5/30/13[g]	**64**	**440**	ND<2.5	ND<1	1.2	**27**	**370**	ND<2.5	**22**	**23**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	1.8	949

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W50A	3/5/14	**51**	**160**	ND<0.5	ND<0.5	0.78	**15**	**140**	0.41 J	**54**	**19**	0.40 J	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	1.3 J	0.68	443
(cont.)	8/29/14	**51**	**130**	ND<0.5	ND<0.5	0.58	**11**	**110**	0.28 J	**36**	**17**	0.34 J	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	0.54	357
DUP	8/29/14	**55**	**130**	ND<0.5	ND<0.5	0.53	**9.7**	**100**	ND<0.5	**36**	**16**	0.34 J	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.63	348
W50B	5/30/13[g]	**32**	**7.6**	ND<0.5	ND<1	ND<0.5	ND<1	5.2	ND<0.5	**1.5**	1.6	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	48
	3/5/14	**19**	**6.9**	ND<0.5	ND<0.5	ND<0.5	0.58	4.8	ND<0.5	**1.8 B**	1.8	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.73	34
	8/28/14	**16**	**5.6**	ND<0.5	ND<0.5	ND<0.5	0.36 J	2.6	ND<0.5	**1.1**	1.7	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	0.54	28
W51A	5/29/13[g]	**70**	**280**	ND<0.5	ND<1	2.9	**38**	**200**	ND<0.5	**73**	**17**	ND<1	ND<0.5	ND<1	2.3	ND<1	ND<2	ND<1	ND<1	683
	3/5/14	**47**	**1,000**	ND<5	ND<5	3.7 J	**34**	**730**	ND<5	**47 B**	**15**	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<20	ND<5	1,877
DUP	3/5/14	**45**	**1,000**	ND<5	ND<5	ND<5	**35**	**770**	ND<5	**55**	**16**	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<20	ND<5	1,921
	8/26/14	**41**	**790**	ND<5	ND<5	ND<5	**24**	**440**	ND<5 J	**47**	**12**	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<20	ND<5	1,354
W51B	5/29/13[g]	**62**	**180**	ND<0.5	ND<1	ND<0.5	**12**	**170**	ND<0.5	**22**	**14**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	460
	3/5/14	**38**	**490**	ND<2.5	ND<2.5	1.4 J	**22**	**400**	ND<2.5	**28 B**	**15**	ND<2.5	ND<2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	994
	8/26/14	**44**	**510**	ND<2.5	ND<2.5	ND<2.5	**16**	**280**	ND<2.5 J	**39**	**11**	ND<2.5	ND<2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	900
W51C	5/29/13[g]	**24**	**5.6**	ND<0.5	ND<1	ND<0.5	ND<1	2.7	ND<0.5	0.93	1.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	35
	3/5/14	**17**	4.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.9	ND<0.5	0.59 B	1.6	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	1.9 J	0.54	28
	8/26/14	**13**	4.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.2	ND<0.5 J	**1.1**	1.4	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.62	23
W52	5/29/13[g]	**45**	**54**	ND<0.5	ND<1	ND<0.5	**6.9**	**77**	ND<0.5	**4.8**	**13**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	2.9	204
	3/4/14	**34**	**57**	ND<0.5	ND<0.5	ND<0.5	**9.8**	**75**	ND<0.5	**6.8**	**13**	0.26 J	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.44 J	196
	8/26/14	**54**	**49**	ND<0.5	ND<0.5	ND<0.5	4.1	**39**	ND<0.5 J	**3.9**	**11**	0.54	ND<0.5	ND<1	0.26 J	ND<0.5	ND<0.5	ND<2	1.6	163
W53A	9/4/13[g]	**17**	**120**	ND<5	0.39 J	2.3	**23**	**470**	ND<5	**59**	5.6	ND<1	ND<0.5	ND<1	0.86 J	ND<1	ND<2	ND<1	ND<1	698
DUP	9/4/13[g]	**16**	**130**	ND<5	0.47 J	2.0	**24**	**470**	ND<5	**56**	5.6	ND<1	ND<0.5	ND<1	0.83 J	ND<1	ND<2	ND<1	ND<1	705
	3/14/14	**16**	**120**	ND<2.5	ND<2.5	1.8 J	**19**	**340**	ND<2.5 UJ	**36**	5.6	ND<2.5	ND>2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	537
	8/8/14	**15**	**91**	ND<2	ND<2	1.5 J	**15**	**240**	ND<2	**58**	4.3	ND<2	ND<2	ND<4	ND<2	ND<2	ND<2	ND<8	ND<2	425
W53B	9/4/13[g]	**15**	**56**	ND<1	ND<1	ND<0.5	3.5	**120**	ND<1	**3.6**	2.8	ND<1	ND<0.5	ND<1	0.29 J	ND<1	1.0 J	ND<1	4.1	206
	3/14/14	**16**	**67**	ND<0.5	ND<0.5	ND<0.5	3.1	**97**	**0.51**	**2.5**	2.8	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	0.82	ND<2	3.5	194
	8/8/14	**9.6**	**93**	ND<0.5	ND<0.5	ND<0.5	2.3	**100**	0.33 J	**2.1**	1.7	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	0.45 J	ND<2	ND<0.5	209
W53C	9/4/13[g]	**12**	**8.0**	ND<0.1	ND<1	ND<0.5	0.34 J	2.4	0.29	ND<0.19	2.5	ND<1	ND<0.5	ND<1	ND<1	ND<1	1.3 J	ND<1	3.7	31
	3/14/14	**13**	**7.5**	ND<0.5	ND<0.5	ND<0.5	2.2	ND<0.5	ND<0.5	0.36	2.1	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	0.98	ND<2	2.6	29
	8/8/14	**8.0**	4.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5	0.50	1.4	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	0.52	ND<0.5	1.2	17

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W54	5/30/13[g]	**20**	**61**	ND<2.5	ND<1	ND<0.5	**14**	**130**	ND<2.5	**27**	5.0	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	257
	3/5/14	**12**	**31**	ND<0.5	0.54	0.28 J	**8.8**	**53**	ND<0.5	**17 B**	4.7	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	1.9 J	ND<0.5	129
	9/17/14	**8.9**	**12**	ND<0.5	ND<0.5	ND<0.5	1.8	**12**	ND<0.5	**4.1**	4.7	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	44
W55A	9/4/13[g]	**21**	**970**	ND<5	ND<5	ND<2.5	**26**	**470**	ND<5	**66**	**11**	ND<5	ND<2.5	ND<5	1.8 J	ND<5	ND<10	ND<5	1.6 J	1,567
	3/14/14	**24**	**850**	ND<5	ND<5	ND<5	**23**	**380**	ND<5	**84**	**11**	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<20	ND<5	1,372
	8/11/14	**33**	**990**	ND<2.5	ND<2.5	ND<2.5	**30**	**520**	ND<2.5	**85**	**16**	ND<2.5	ND<2.5	ND<5	1.8 J	ND<2.5	ND<2.5	ND<10	2.0 J	1,678
W55B	9/5/13[g]	**19**	**5.9**	ND<0.1	ND<1	ND<0.5	ND<1	3.0	ND<0.1	0.56	2.1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	0.69 J	31
	3/5/14	**12**	4.5	ND<0.5	ND<0.5	ND<0.5	0.25 J	2.1	ND<0.5	0.63	1.8	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.54	22
	8/11/14	**13**	3.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6	ND<0.5	**1.8**	1.3	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.49 J	22
W56A	9/3/13[g]	**41**	**240**	ND<2.5	ND<5	2.7	**47**	**430**	2.2 J	**100**	**14**	ND<5	ND<2.5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5	877
DUP	9/3/13[g]	**39**	**230**	ND<2.5	ND<1	3.5	**44**	**430**	2.0 J	**100**	**14**	0.36 J	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	0.35 J	863
	3/14/14	**46**	**300**	ND<2.5	ND<2.5	4.0	**59**	**480**	**2.5**	**71 B**	**19**	ND<2.5	ND<2.5	ND<5 UJ	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	983
	8/11/14	**36**	**2,000**	ND<5	ND<5	**5.6**	**120**	**1,400**	**4.9 J**	**210**	**25**	ND<5	ND<5	ND<10	4.7 J	ND<5	ND<5	ND<20	ND<5	3,806
W56B	9/3/13[g]	**28**	**32**	ND<0.1	ND<1	ND<0.5	1.1	**22**	0.13	**1.1**	4.1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	1.1	90
	3/14/14	**13**	**28**	ND<0.5	ND<0.5	ND<0.5	1.0	**19**	ND<0.5	0.98 B	2.0	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.55	65
	8/11/14	**12**	**37**	ND<0.5	ND<0.5	ND<0.5	1.8	**30**	ND<0.5	**2.4**	2.9	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	0.72	87
W56C	9/4/13[g]	0.55	0.30 J	ND<0.1	ND<1	ND<0.5	ND<1	0.16	ND<0.1	ND<0.19	ND<1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	1.0
	3/14/14	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.19	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	0.0
	8/11/14	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.21 J	ND<0.5	ND<0.19	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.21
W57A	9/5/13[g]	**32**	**12**	ND<0.1	ND<1	ND<0.5	0.29 J	2.6	ND<0.1	0.54	**6.4**	ND<1	ND<0.5	ND<1	0.42 J	ND<1	ND<2	ND<1	0.27 J	55
DUP	9/5/13[g]	**32**	**12**	ND<0.1	ND<1	ND<0.5	0.27 J	2.7	ND<0.1	0.51	**6.7**	ND<1	ND<0.5	ND<1	0.41 J	ND<1	ND<2	ND<1	0.28 J	55
	3/14/14	**12**	**5.1**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5	ND<0.51	3.6	ND<0.5	ND<0.5	ND<1	ND<0.65	ND<0.5	ND<0.5	ND<2	ND<0.5	22
DUP	3/14/14	**13**	**5.3**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	3.7	ND<0.5	ND<0.5	0.38 J	ND<0.65	ND<0.5	ND<0.5	ND<2	ND<0.5	24
	8/11/14	**36**	**14**	ND<0.5	ND<0.5	ND<0.5	0.57	4.9	ND<0.5	**1.0**	**7.2**	ND<0.5	ND<0.5	ND<1	0.30 J	ND<0.5	ND<0.5	ND<2	0.27 J	64
DUP	8/11/14	**38**	**15**	ND<0.5	ND<0.5	ND<0.5	0.68	4.3	ND<0.5	**1.1**	**7.6**	0.29 J	ND<0.5	ND<1	0.35 J	ND<0.5	ND<0.5	ND<2	0.31 J	68
W57B	9/5/13[g]	**18**	**7.7**	ND<0.1	ND<1	ND<0.5	ND<1	1.6	ND<0.1	0.38	3.6	ND<1	ND<0.5	ND<1	0.46 J	ND<1	ND<2	ND<1	0.52 J	32
	3/14/14	**15**	**6.0**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.0	ND<0.5	ND<0.4	3.1	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.26 J	27
	8/11/14	**12**	**5.0**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4	ND<0.5	0.37	2.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	0.30 J	22

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W57C	9/5/13[g]	1.9	1.1	ND<0.1	ND<1	ND<0.5	ND<1	0.27	ND<0.1	0.19	0.36 J	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	0.27 J	4.1
	3/14/14	0.77	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.34 J	ND<0.5	ND<0.24	0.32 J	ND<0.5	ND<0.5	ND<1	ND<0.5	0.55	ND<0.5	ND<2	ND<0.5	3.7
	8/11/14	0.83	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.31 J	ND<0.5	**1.0**	0.35 J	ND<0.5	ND<0.5	ND<1	ND<1	0.39 J	ND<0.5	ND<0.5	ND<0.5	4.4
W58A	9/5/13[g]	**23**	**8.4**	ND<0.1	ND<1	ND<0.5	ND<1	1.4	ND<0.1	0.41	5.3	ND<1	ND<0.5	ND<1	0.29 J	ND<1	ND<2	ND<1	ND<1	39
	3/14/14	**22**	**7.4**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5	ND<0.39	3.8	ND<0.5	ND<0.5	ND<1 UJ	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	34
	8/8/14	**15**	**5.6**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.74	ND<0.5	0.52	3.4	ND<0.5	ND<0.5	ND<1	0.25 J	ND<0.5	ND<0.5	ND<2	ND<0.5	26
W58B	9/5/13[g]	**21**	**6.6**	ND<0.1	ND<1	ND<0.5	0.46 J	3.9	ND<0.1	0.90	2.4	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	0.65 J	36
	3/14/14	**9.8 J**	**5.4 J**	-- R[n]	-- R	-- R	0.45 J	2.1 J	-- R	0.78 B	2.6 J	-- R	-- R	-- R	-- R	-- R	-- R	-- R	0.28 J	21
	8/8/14	**15**	**5.9**	ND<0.5	ND<0.5	ND<0.5	0.35 J	2.6	ND<0.5	**1.1**	1.9	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	0.41 J	27
W59	4/29/14	**13**	**9.5**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.48 J	0.38 J	0.26	1.5	ND<0.5	ND<0.5	ND<1	0.31 J	ND<0.5	0.85	ND<2	3.1	29
	8/8/14	4.9	3.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.48	0.72	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.96	10
W60A	9/6/13[g]	**12**	**10**	ND<0.1	ND<1	ND<0.5	ND<1	0.18	ND<0.1	--	3.8	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	26
DUP	9/19/13	--	--	--	--	--	--	--	--	0.45	--	--	--	--	--	--	--	--	--	0.45
	3/5/14	**16**	**13**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.36 J	ND<0.5	0.50	**6.3**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	36
DUP	3/5/14	**16**	**13**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.31 J	ND<0.5	0.52	5.8	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	36
	8/28/14	**18**	**13**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.33 J	ND<0.5	0.60	**6.3**	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	0.21 J	38
DUP	8/28/14	**18**	**13**	ND<0.5	ND<0.5	ND<0.5	0.21 J	0.33 J	ND<0.5	0.65	**6.2**	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	0.21 J	39
W60B	3/5/14	**20**	**14**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.38 J	ND<0.5	0.73	5.0	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	2.2	42
	8/27/14	**22**	**14**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.31 J	ND<0.5	0.62 J	5.2	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	2.3	44
W60C	9/6/13[g]	**8.2**	3.8	ND<0.1	ND<1	ND<0.5	ND<1	2.0	ND<0.1	0.34	ND<1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	14
	3/5/14	0.87	0.58	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.38 J	ND<0.5	0.33	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	0.72	ND<0.5	ND<2	ND<0.5	2.9
	8/28/14	**7.1**	3.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.0	ND<0.5	0.37	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	13
W61	9/19/13[g]	**17**	**64**	ND<2.5	ND<1	ND<0.5	**6.6**	**50**	ND<2.5	**1.1**	**6.9**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1	146
	3/4/14	**16**	**51**	ND<0.5	ND<0.5	ND<0.5	4.6	**38**	ND<0.5	0.95	**7.1**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	118
	8/16/14	**17**	**49**	ND<0.5	ND<0.5	ND<0.5	3.6	**38**	ND<0.5	0.67	**6.3**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	115
W62	9/19/13[g]	**34**	**840**	ND<2.5	ND<1	0.41 J	**45**	**430**	ND<2.5	**12**	**12**	0.40 J	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	1.6	1,375
	3/4/14	**26**	**910**	ND<10	ND<10	ND<10	**71**	**730**	ND<10	**8.5**	**13**	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<40	ND<10	1,759
	8/16/14	**39**	**970**	ND<5	ND<5	ND<5	**56**	**660**	ND<5	**9.8**	**11**	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<20	ND<5	1,746

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		5	5	0.2	200	5	5	6	0.5	1	6	10	0.5	NE[d]	NE	NE	NE	5	150	NE
Drinking Water Standard[e]		5	5	1	200	32	5	6	0.5	1	6	10	1	100	100	NE	NE	5	150	NE
W63A	9/19/13[g]	36	260	ND<2.5	ND<5	ND<2.5	12	190	ND<2.5	23	6.7	ND<5	ND<2.5	ND<5	ND<5	ND<5	ND<10	ND<5	2.4 J	530
	3/10/14	15	180	ND<1	ND<1	ND<1	12	130	0.78 J	30	6.7	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<4	0.87 J	375
	8/12/14	38	580	ND<0.5	ND<0.5	1.7	35	460	1.6	120	14	0.38 J	ND<0.5	ND<1	1.3	ND<0.5	ND<0.5	ND<2	2.4	1,254
W63B	9/6/13[g]	32	20	ND<0.5	ND<1	ND<0.5	3.3	50	ND<0.5	3.1	5.8	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	2.5	117
	3/10/14	19	16	ND<0.5	ND<0.5	0.31 J	4.0	49	ND<0.5	5.6	5.4	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	2.1	102
	8/12/14	22	20	ND<0.5	ND<0.5	ND<0.5	4.1	58	ND<0.5	8.2	5.6	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	2.4	120
W63C	9/6/13[g]	20	15	ND<0.1	ND<1	ND<0.5	2.9	37	0.26	2.2	4.9	ND<1	ND<0.5	ND<1	0.38 J	ND<1	ND<2	ND<1	2.2	85
	3/10/14	13	14	ND<0.5	ND<0.5	0.27 J	4.3	44	0.27 J	2.6	5.0	ND<0.5	ND<0.5	ND<1	ND<0.52	ND<0.5	ND<0.5	ND<2	2.1	85
	8/12/14	15	13	ND<0.5	ND<0.5	ND<0.5	3.7	40	ND<0.5	5.5	4.7	ND<0.5	ND<0.5	ND<1	0.36 J	ND<0.5	ND<0.5	ND<2	1.8	84
W64A	3/6/14	28	130	ND<1	ND<1	1.0	22	200	0.61 J	30	16	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<4	ND<1	428
DUP	3/6/14	28	120	ND<1	ND<1	1.1	21	190	0.61 J	31	16	ND<1	ND<1	ND<2	0.72 J	ND<1	ND<1	ND<4	ND<1	408
	8/18/14	37	110	ND<0.5	ND<0.5	0.73	14	120	0.48 J	26	11	0.30 J	ND<0.5	ND<1	0.50	ND<0.5	ND<0.5	ND<2	0.38 J	320
W64B	3/6/14	20	86	ND<1	ND<1	ND<1	8.7	110	ND<1	13	8.2	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<4	0.66 J	247
	8/18/14	29	200	ND<2	ND<2	ND<2	19	260	ND<2	28	8.2	ND<2	ND<2	ND<4	ND<2	ND<2	ND<2	ND<8	ND<2	544
DUP	8/18/14	26	200	ND<2.5	ND<2.5	ND<2.5	17	250	ND<2.5	27	8.3	ND<2.5	ND<2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	528
W64C	3/6/14	14	13	ND<0.5	ND<0.5	ND<0.5	0.55	5.3	ND<0.5	ND<1.2	3.5	ND<0.5	ND<0.5	ND<1	ND<1.6	ND<0.5	ND<0.5	ND<2	0.37 J	36
	8/18/14	9.9	8.0	ND<0.5	ND<0.5	ND<0.5	0.44 J	3.2	ND<0.5	0.81	2.4	ND<0.5	ND<0.5	ND<1	0.57	ND<0.5	ND<0.5	ND<2	ND<0.5	25
W65A	3/6/14	12	100	ND<0.5	ND<0.5	1.2	21	110	1.9	43	14	ND<0.5	ND<0.5	0.44 J	ND<1.6	ND<0.5	ND<0.5	ND<2	0.28 J	304
	8/13/14	37	170	ND<0.5	ND<0.5	1.1	22	210	1.7	43	17	0.31 J	ND<0.5	ND<1	0.82 J	ND<0.5	ND<0.5	ND<0.5	0.77	504
W65B	3/6/14	36	530	ND<5	ND<5	ND<5	34	490	ND<5	76	11	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<20	2.5 J	1,180
	8/13/14	47	730	ND<5	ND<5	ND<5	46	720	ND<5	120	15	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<20	ND<5	1,678
W65C	3/6/14	3.0	3.2	ND<0.5	ND<0.5	ND<0.5	0.42 J	3.5	ND<0.5	ND<1.2	1.2	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	11
	8/13/14	8.1	9.7	ND<0.5	ND<0.5	ND<0.5	1.2	12	ND<0.5	2.6	4.1	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	0.28 J	38
W66A	4/28/14	17	88	ND<0.5	ND<0.5	0.25 J	8.2	79	0.30 J	13	8.6	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.47 J	215
	8/26/14	13	61	ND<0.5	ND<0.5	ND<0.5	5.7	53	ND<0.5 J	10	6.5	ND<0.5	ND<0.5	ND<1	1.6	ND<0.5	ND<0.5	ND<2	0.42 J	151
DUP	8/26/14	14	63	ND<0.5	ND<0.5	ND<0.5	5.9	57	ND<0.5 J	11	6.4	ND<0.5	ND<0.5	ND<1	1.6	ND<0.5	ND<0.5	ND<2	0.42 J	159
W66B	4/28/14	22	18	ND<0.5	ND<0.5	ND<0.5	3.0	44	ND<0.5	3.8	5.9	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	0.38 J	ND<2	2.3	99
	8/26/14	20	20	ND<0.5	ND<0.5	ND<0.5	3.1	39	ND<0.5 J	5.7	5.3	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	2.5	96

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W66C	4/28/14	**5.0**	**7.4**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.56	ND<0.5	0.28	1.3	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.80	15
	8/26/14	**6.4**	**6.4**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.34 J	ND<0.5 J	0.22	0.81	ND<0.5	ND<0.5	ND<1	0.77	ND<0.5	ND<0.5	ND<2	0.73	16
W67A	3/6/14	1.3	0.53	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.5	ND<0.5	ND<1.2	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	3.3
	8/18/14	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.48	ND<0.5	0.11	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.59
W67B	3/6/14	**7.7**	0.65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1	0.25 J	ND<1.2	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1.6	ND<0.5	ND<0.5	ND<2	ND<0.5	9.5
	8/18/14	**8.0**	1.8	ND<0.5	ND<0.5	ND<0.5	0.27	3.0	ND<0.5	0.34	ND<0.5	ND<0.5	ND<0.5	ND<1	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	15
W67C	3/6/14	0.51	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5	ND<1.2	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	3.5
	8/18/14	0.65	1.3	ND<0.5	ND<0.5	ND<0.5	0.27	1.1	0.20	0.17	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7
W68A	3/6/14	0.98	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.19	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	1.0
	8/13/14	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
W68B	3/5/14	2.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.19	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	2.8
	8/13/14	2.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.19	ND<0.5	ND<0.5	ND<0.5	ND<1	0.64	ND<0.5	ND<0.5	ND<2	ND<0.5	3.1
W69A	3/6/14	**10**	**170**	ND<2.5	ND<2.5	2.0 J	**33**	**410**	ND<2.5	**47**	**6.6**	ND<2.5	ND<2.5	ND<5	1.7 J	ND<2.5	ND<2.5	ND<10	ND<2.5	680
	8/18/14	**5.5**	**91**	ND<0.5	ND<0.5	0.78	**12**	**77**	**0.52**	**22**	3.2	ND<0.5	ND<0.5	ND<1	1.1	ND<0.5	ND<0.5	ND<2	ND<0.5	213
W69B	3/6/14	4.1	1.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.94	ND<0.5	ND<1.2	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1.6	ND<0.5	ND<0.5	ND<2	ND<0.5	6.3
	8/18/14	4.6	0.78	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.27	ND<0.5	ND<0.5	ND<0.5	ND<1	0.60	ND<0.5	ND<0.5	ND<2	ND<0.5	6.3
W69C	3/6/14	2.5	4.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.7	ND<0.5	ND<1.2	0.85	ND<0.5	ND<0.5	ND<1	ND<1.6	ND<0.5	ND<0.5	ND<2	ND<0.5	10
	8/18/14	0.40	2.5	ND<0.5	ND<0.5	ND<0.5	0.44	4.2	ND<0.5	**1.1**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	8.6
W70A	4/28/14	**10**	**460**	ND<0.5	ND<0.5	0.99	**20**	**260**	**0.92**	**57**	5.6	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	815
	8/19/14	**6.4**	**280**	ND<0.5	ND<0.5	0.95	**17**	**170**	**0.87**	**77**	5.1	ND<0.5	ND<0.5	ND<1	1.2	ND<0.5	ND<0.5	ND<2	ND<0.5	559
W70B	4/28/14	**12**	**11**	ND<0.5	ND<0.5	ND<0.5	0.65	**6.8**	ND<0.5	**1.0**	3.6	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.26 J	35
	8/19/14	**8.3**	**9.6**	ND<0.5	ND<0.5	ND<0.5	0.57	4.9	ND<0.5	**1.3**	3.3	ND<0.5	ND<0.5	ND<1	0.59	ND<0.5	ND<0.5	ND<2	ND<0.5	29
W70C	4/28/14	1.3	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.45 J	ND<0.5	ND<0.19	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	3.6
DUP	4/28/14	1.2	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.40 J	ND<0.5	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	3.5
	8/19/14	2.0	2.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.33 J	ND<0.5	0.37	ND<0.5	ND<0.5	ND<0.5	ND<1	1.1	ND<0.5	ND<0.5	ND<2	ND<0.5	6.2
W71A	4/28/14	**12**	**610**	ND<2.5	ND<2.5	ND<2.5	**26**	**230**	**1.8 J**	**53**	**9.8**	ND<2.5	ND<2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	ND<10	1.7 J	944
	8/29/14	**13**	**710**	ND<2.5	ND<2.5	ND<2.5	**32**	**250**	**2.4 J**	**58**	**9.1**	ND<2.5	ND<2.5	ND<5	1.5 J	ND<2.5	ND<2.5	ND<10	2.3 J	1,078
DUP	8/29/14	**15**	**790**	ND<2.5	ND<2.5	1.5 J	**36**	**280**	**2.3 J**	**55**	**9.2**	ND<2.5	ND<2.5	ND<5	1.4 J	ND<2.5	ND<2.5	ND<10	2.7	1,193

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W71B	4/28/14	**25**	**8.5**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.7	ND<0.5	0.68	2.0	ND<0.5	ND<0.5	ND<1	0.29 J	ND<0.5	ND<0.5	ND<2	1.3	41
	8/19/14	**17**	**7.2**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.0	ND<0.5	0.79	2.1	ND<0.5	ND<0.5	ND<1	0.25 J	ND<0.5	ND<0.5	ND<2	1.0	31
W71C	4/28/14	**6.2**	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.73	ND<0.5	0.39	0.40 J	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	0.29 J	ND<2	0.43 J	10.2
	8/18/14	3.1	0.95	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.44	ND<0.5	0.34	0.40	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.26	5.5
W72A	4/28/14	**66**	**24**	ND<0.5	ND<0.5	ND<0.5	0.34 J	1.8	ND<0.5	0.79	**16**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	3.4	112
	8/24/14	**71**	**23**	ND<0.5	ND<0.5	ND<0.5	0.31 J	1.7	ND<0.5	**1.1**	**14**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	2.7	114
W72B	4/28/14	**14**	**11**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**1.1**	0.37	1.7	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	0.51	ND<2	7.3	36
	8/24/14	**21**	**16**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**1.8**	0.73	1.9	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	0.37 J	ND<2	10	52
W72C	4/28/14	0.76	0.47 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.19	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	1.2
	8/24/14	3.6	2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.60	ND<0.5 J	**1.4**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	7.6
W73A	5/2/14	**22**	**9.0**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.31 J	ND<0.5	0.17 J	3.1	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	1.1	36
	8/24/14	**12**	**6.0**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5 J	0.21	2.6	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	0.85	22
W73B	5/2/14	**21**	**7.7**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.40 J	0.47 J	0.28	3.2	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	1.9	35
	8/24/14	**6.0**	4.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.50	ND<0.5 J	0.17 J	1.8	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	12
W74A	7/1/14	**37**	**12**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5	ND<0.5	0.37	5.4	ND<0.5	ND<0.5	ND<1	0.31 J	ND<0.5	ND<0.5	ND<2	0.46 J	58
	8/27/14	**33**	**11**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.1	ND<0.5	0.46 J	5.0	ND<0.5	ND<0.5	ND<1	0.25 J	ND<0.5	ND<0.5	ND<2	0.36 J	52
W74B	7/1/14	**19**	4.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.9	ND<0.5	0.80	0.74	ND<0.5	ND<0.5	ND<1	0.34 J	ND<0.5	ND<0.5	ND<2	0.68	29
	8/27/14	**15**	3.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6	ND<0.5	0.98 J	0.65	ND<0.5	ND<0.5	ND<1	0.30 J	ND<0.5	ND<0.5	ND<2	ND<0.5	22
W75A	7/1/14	4.8	**24**	ND<0.5	ND<0.5	ND<0.5	2.6	**99**	ND<0.5	**4.2**	2.1	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	137
DUP	7/1/14	4.7	**25**	ND<0.5	ND<0.5	ND<0.5	3.3	**95**	ND<0.5	**5.4**	1.8	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	135
	8/19/14	**11**	**110**	ND<0.5	3.8	3.0	**38**	**470**	**1.0**	**70**	**6.3**	0.30 J	ND<0.5	ND<1	1.4	ND<0.5	ND<0.5	ND<2	0.57	715
W75B	7/1/14	**33**	**19**	ND<0.5	ND<0.5	ND<0.5	0.92	**14**	ND<0.5	0.79	**6.9**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	4.2	79
	8/27/14	**27**	**14**	ND<0.5	ND<0.5	ND<0.5	0.50	4.6	0.27 J	0.82 J	5.8	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	3.8	57

TABLE 4

RECENT VOC GROUNDWATER ANALYTICAL RESULTS - MONITORING WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																		
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM	Total VOCs
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**	**NE**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**NE**	**NE**	**5**	**150**	**NE**
W75C	7/1/14	**30**	**17**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.94	0.36 J	0.72	5.7	ND<0.5	0.26 J	ND<1	ND<0.5	ND<0.5	0.40 J	ND<2	3.7	59
	8/27/14	**21**	**13**	ND<0.5	ND<0.5	ND<0.5	0.27 J	0.90	0.34 J	0.83 J	5.1	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	3.8	45
AV-MW2	9/17/14	**63**	**32**	ND<0.5	ND<0.5	ND<0.5	4.4	**37**	ND<0.5	**10**	5.2	ND<0.5	ND<0.5	ND<1	0.33 J	ND<0.5	ND<0.5	ND<2	ND<0.5	152
AV-MW3	9/17/14	**16**	**47**	ND<0.5	ND<0.5	ND<0.5	4.3	**46**	ND<0.5	**11**	4.7	ND<0.5	ND<0.5	ND<1	0.30 J	ND<0.5	ND<0.5	ND<2	ND<0.5	129
DUP	9/17/14	**16**	**47**	ND<0.5	ND<0.5	ND<0.5	4.1	**30**	ND<0.5	**9.6**	4.7	0.37 J	ND<0.5	ND<1	0.32 J	ND<0.5	ND<0.5	ND<2	ND<0.5	112
TW1	8/19/14	**12**	**23**	ND<0.5	ND<0.5	ND<0.5	0.92	**9.9**	ND<0.5	**1.3**	3.1	ND<0.5	ND<0.5	0.99	ND<0.5	ND<0.5	ND<0.5	ND<2	1.3	53
DUP	8/19/14	**12**	**23**	ND<0.5	ND<0.5	ND<0.5	0.83	**9.8**	ND<0.5	**1.2**	3.2	ND<0.5	ND<0.5	1.0	ND<0.5	ND<0.5	ND<0.5	ND<2	1.2	52

(a) Volatile organic compounds (VOCs) analyzed by EPA Method 524.2 or 8260B; reported in micrograms per liter (µg/l).

PCE - Tetrachloroethene
TCE - Trichloroethene
1,1,2,2-PCA - 1,1,2,2-tetrachloroethane
1,1-DCE - 1,1-dichloroethene
1,1,1-TCA - 1,1,1-trichloroethane
1,1,2-TCA - 1,1,2-trichloroethane
1,1-DCA - 1,1-dichloroethane
1,2-DCA - 1,2-dichloroethane
cis-1,2-DCE - cis-1,2-dichloroethene
trans-1,2-DCE - trans-1,2-dichloroethene
VC - Vinyl Chloride
BFM - Bromoform
CFM - Chloroform
CMT - Chloromethane
DFM - Dichlorodifluoromethane
MC - Methylene chloride
TFM - Trichlorofluoromethane

(b) 1,4-dioxane analyzed by EPA Method 8270C-SIM; reported in µg/l.
(c) Maximum Contaminant Levels (MCLs).
(d) NE - Not established.
(e) Drinking water standards are Notification Levels as established by the California Department of Health Services or Maximum Contaminant Levels (MCLs) as established by the United States Environmental Protection Agency.
(f) Dry - Insufficient water for sampling.
(g) 1,1-DCE and 1,2-DCA analyzed by EPA Method 524.2, reported in µg/l.
(h) ND - Not detected above the detection limit listed.
(i) J - Estimated concentration.
(j) UJ - Non-detect reporting limit is estimated.
(k) DUP - Duplicate sample.
(l) B - Compound detected in the blank and sample.
(m) "--" - Not analyzed.
(n) "-- R" - Sample results rejected due to very low surrogate recoveries.

TABLE 5

VOC GROUNDWATER ANALYTICAL RESULTS - EW - PZ - Z4 WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

		Volatile Organic Compounds (µg/l)[a][b]																	
Well ID	**Sample Date**	**PCE**	**TCE**	**1,1,2,2-PCA**	**1,1,1-TCA**	**1,1,2-TCA**	**1,1-DCA**	**1,1-DCE**	**1,2-DCA**	**1,4-Dioxane**	**cis-1,2-DCE**	**trans-1,2-DCE**	**VC**	**BFM**	**CFM**	**CMT**	**DFM**	**MC**	**TFM**
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**--**	**--**	**5**	**150**
EW1	7/6/06	**43**	**24**	ND<0.1[f]	ND<0.5	ND<0.5	1.3	**8.6**	ND<0.1	--[g]	8.1	ND<0.5	ND<0.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	--
	9/29/06	**61**	**30**	ND<0.1	ND<0.5	ND<0.5	1.8	**14**	ND<0.1	**4.0**	**12**	ND<0.5	ND<0.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	--
	12/14/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/08	**63**	**110**	ND<0.1	ND<0.5	ND<0.5	**6.4**	**50**	ND<0.5	--	13	0.90	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	--	--
	7/16/08	--	--	--	--	--	--	--	--	ND<2	--	--	--	--	--	--	--	--	--
	4/8/09	**5.2**	**8.5**	ND<0.1	ND<0.5	ND<0.5	0.60	**11**	ND<0.5	ND<2	1.2	ND<0.5	ND<0.5	ND<0.5	0.68	ND<2	ND<0.5	ND<20	ND<0.5
	3/10/10	NS[h]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/8/10	**44**	**110**	ND<1	ND<0.5	ND<0.5	**8.8**	**73**	ND<0.5	**28**	**11**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	0.63
	6/17/11	**17**	**18**	ND<1	ND<0.5	ND<0.5	1.2	**10**	ND<0.5	**3.7**	3.4	ND<0.5	ND<0.5	ND<0.5	1.2	ND<2	ND<0.5	ND<20	ND<0.5
	12/14/11	**29**	**17**	ND<1	ND<0.5	ND<0.5	0.91	5.2	ND<0.5	**1.6**	5.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5
	7/6/12	**34**	**18**	ND<0.5	ND<1	ND<0.5	ND<1	5.7	ND<0.5	**1.2**	5.6	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1
DUP[i]	7/6/12	**37**	**20**	ND<0.5	ND<1	ND<0.5	ND<1	**6.7**	ND<0.5	**1.3**	**6.7**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1
	2/15/13[i]	**9.5**	**5.7**	ND<0.1	ND<1	ND<0.5	ND<1	3.0	ND<0.1	0.62	1.7	ND<1	ND<0.5	ND<1	2.5	--	ND<2	ND<1	ND<1
DUP	2/15/13[i]	**8.9**	**5.8**	ND<0.1	ND<1	ND<0.5	ND<1	3.0	ND<0.1	0.68	1.8	ND<1	ND<0.5	ND<1	2.4	--	ND<2	ND<1	ND<1
	7/11/13[i]	**9.3**	**5.9**	ND<0.1	ND<1 UJ[k]	ND<0.5	ND<1	2.9	ND<0.1	0.35	1.6	ND<1	ND<0.5	ND<1 UJ	2.5	ND<1	ND<2 UJ	ND<1	ND<1
DUP	7/11/13[i]	**7.4**	4.8	ND<0.1	ND<1 UJ	ND<0.5	ND<1	2.6	ND<0.1	0.41	1.4	ND<1	ND<0.5	ND<1 UJ	2.2	ND<1	ND<2 UJ	ND<1	ND<1
	3/6/14	2.0	2.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.6	ND<0.5	ND<1.2	0.36 J[l]	ND<0.5	ND<0.5	ND<1	2.3	ND<0.5	ND<0.5	ND<2	ND<0.5
DUP	3/6/14	2.0	2.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8	ND<0.5	ND<1.2	0.40 J	ND<0.5	ND<0.5	ND<1	2.6	ND<0.5	ND<0.5	ND<2	ND<0.5
	8/12/14	**21**	**25**	ND<0.5	ND<0.5	ND<0.5	1.5	**18**	ND<0.5	3.8	5.6	ND<0.5	ND<0.5	ND<1	1.5	ND<0.5	ND<0.5	ND<2	0.53
DUP	8/12/14	--	--	--	--	--	--	--	--	3.3	--	--	--	--	--	--	--	--	--
EW2	10/6/06	**58**	**710**	ND<10	ND<5	**6.9**	**85**	**1,700**	ND<10	**260**	**17**	ND<5	ND<10	ND<5	5.1	ND<5	ND<5	ND<200	--
	12/14/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/08	**30**	**66**	ND<0.1	1.2	ND<0.5	**8.7**	**77**	ND<0.5	**120**	**6.8**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	--	--
	7/16/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/8/09	**22**	**190**	ND<0.1	ND<0.5	2.4	**36**	**380**	**0.99**	**120**	**9.6**	ND<0.5	ND<0.5	ND<0.5	1.2	ND<2	ND<0.5	ND<20	ND<0.5
	3/10/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/8/10	**22**	**310**	ND<2	ND<1	3.2	**46**	**180**	**1.9**	**200**	**7.0**	ND<1	ND<1	ND<1	1.8	ND<4	ND<1	ND<40	ND<1
	6/21/11	**38**	**540**	ND<10	ND<5	**5.3**	**74**	**1,000**	ND<5	**250**	**10**	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<200	ND<5
	12/23/11	**22**	**280**	ND<10	ND<5	ND<5	**40**	**410**	ND<5	**120**	5.4	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<200	ND<5

TABLE 5

VOC GROUNDWATER ANALYTICAL RESULTS - EW - PZ - Z4 WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																	
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**--**	**--**	**5**	**150**
EW2	7/12/12	**12**	**160**	ND<0.5	ND<1	1.6	**22**	**250**	**1.2**	**46 H[m]**	5.0	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1
(cont.)	12/28/12[j]	**14**	**180**	ND<0.1	ND<2	1.7	**27**	**300**	**0.9**	**55**	**6.4**	ND<2	ND<1	ND<2	1.2 J	ND<2	ND<4	ND<2	ND<2
	2/15/13[j]	**19**	**250**	ND<2.5	ND<5	2.3 J	**34**	**480**	**1.4 J**	**56**	**8.1**	ND<5	ND<2.5	ND<5	ND<5	--	ND<10	**6.0**	ND<5
	7/10/13[j]	**23**	**220**	ND<0.1	ND<4	2.2	**35**	**330**	**0.9**	**59**	**7.3**	ND<4	ND<2	ND<4	1.3 J	ND<4	ND<8	ND<4	ND<4
	3/5/14	**13**	**120**	ND<0.5	ND<0.5	2.0	**26**	**110**	**0.91**	**56**	**6.7**	0.63	ND<0.5	ND<1	ND<1.6	ND<0.5	ND<0.5	ND<2	ND<0.5
	8/13/14	**12**	**120**	ND<0.5	ND<0.5	1.5	**19**	**260**	0.88	**48**	4.0	ND<0.5	ND<0.5	ND<1	1.1	ND<0.5	ND<0.5	ND<0.5	0.25 J
EW3	10/27/06	**78**	**83**	ND<0.1	ND<0.5	ND<0.5	**6.4**	**69**	ND<0.1	**20**	**17**	ND<0.5	ND<0.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	--
	12/14/06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/25/08	**32**	**330**	ND<2	ND<0.1	3.3	**51**	**400**	**1.5**	**13**	**14**	ND<0.1	ND<0.1	ND<0.1	1.7	ND<4	ND<0.1	--	--
	7/16/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/8/09	**21**	**69**	ND<0.1	ND<0.5	ND<0.5	**8.0**	**82**	ND<0.5	**32**	5.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5
	3/10/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/8/10	**85**	**130**	ND<1	ND<0.5	ND<0.5	**13**	**60**	**0.55**	**37**	**8.1**	0.85	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5
	6/23/11	**34**	**81**	ND<1	ND<0.5	ND<0.5	**5.9**	**34**	ND<0.5	**25**	**7.2**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5
	12/20/11	**44**	**61**	ND<1	ND<0.5	ND<0.5	3.6	**33**	ND<0.5	**8.5**	**8.6**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	0.51
	7/9/12	**40**	**35**	ND<0.5	ND<1	ND<0.5	1.8	**18**	ND<0.5	**4.9**	5.4	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1
	2/15/13[j]	**51**	**50**	ND<0.1	ND<1	ND<0.5	3.2	**26**	0.17	**7.2**	**8.7**	0.37 J	ND<0.5	ND<1	0.36 J	--	ND<2	ND<1	0.40 J
	7/11/13[j]	**65**	**63**	ND<2.5	ND<1	ND<0.5	4.7	**33**	ND<2.5	**11**	**6.3**	0.83 J	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	0.35 J
	3/6/14	**40**	**95**	ND<0.5	ND<0.5	0.32 J	**10**	**100**	0.33 J	**13**	**8.0**	ND<0.5	ND<0.5	ND<1	ND<1.6	ND<0.5	ND<0.5	ND<2	ND<0.5
	8/12/14	**57**	**85**	ND<0.5	ND<0.5	ND<0.5	**8.1**	**63**	ND<0.5	**15**	**6.7**	0.47 J	ND<0.5	ND<1	0.44 J	ND<0.5	ND<0.5	ND<2	ND<0.5
EW4	11/16/06	**61**	**250**	ND<0.1	1.7	0.90	**22**	**270**	ND<0.1	**70**	**16**	ND<0.5	ND<0.1	ND<0.5	0.70	ND<0.5	ND<0.5	ND<20	--
	6/25/08	**6.7**	**28**	ND<0.1	ND<0.5	ND<0.5	3.0	**6.4**	ND<0.5	**20**	2.1	ND<0.5	ND<0.5	ND<0.5	ND<0.1	ND<2	ND<0.5	--	--
	7/16/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/8/09	**6.1**	**19**	ND<0.1	ND<0.5	ND<0.5	3.2	**22**	ND<0.5	**28**	2.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5
	3/10/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/8/10	**56**	**790**	ND<5	ND<2.5	3.2	**100**	**1,100**	**2.5**	**330**	**29**	ND<2.5	ND<2.5	ND<2.5	3.0	ND<10	ND<2.5	ND<100	ND<2.5
	6/22/11	**7.0**	**21**	ND<1	ND<0.5	ND<0.5	2.8	**25**	ND<0.5	**5.2**	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5
	12/14/11	**43**	**630**	ND<10	ND<5	ND<5	**63**	**740**	ND<5	**88**	**22**	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<200	ND<5
	7/18/12	**37**	**54**	ND<0.5	ND<1	ND<0.5	4.9	**51**	ND<0.5	**8.2**	5.3	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1

TABLE 5

VOC GROUNDWATER ANALYTICAL RESULTS - EW - PZ - Z4 WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																	
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**--**	**--**	**5**	**150**
EW4	2/14/13[i]	**28**	**46**	ND<0.25	ND<1	ND<0.5	**5.5**	**49**	ND<0.25	**5.8 B[n]**	**6.9**	ND<1	ND<0.5	ND<1	0.42 J	ND<1	ND<2	ND<1	ND<1
(cont.)	7/10/13[i]	**8.1**	**19**	ND<0.1	ND<1	ND<0.5	3.4	**19**	0.051 J	**5.6**	3.2	ND<1	ND<0.5	ND<1	0.45 J	ND<1	ND<2	ND<1	ND<1
	3/6/14	**22**	**210**	ND<5	ND<5	ND<5	**49**	**460**	ND<5	**60**	**18**	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<20	ND<5
	8/13/14	**43**	**380**	ND<5	ND<5	3.7 J	**79**	**790**	ND<5	**120**	**32**	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	ND<20	ND<5
PZ-1	1/25/06	3.2	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.7	ND<1	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5	0.80	ND<0.5	ND<0.5	ND<20	--
	6/2/10	**11**	4.8	ND<1	ND<0.5	ND<0.5	0.56	3.0	ND<0.5	--	1.0	ND<0.5	ND<0.5	ND<0.5	0.77	ND<2	--	ND<20	ND<0.5
	11/30/10	**5.1**	2.0	ND<1	ND<0.5	ND<0.5	ND<0.5	1.6	ND<0.5	ND<2	0.66	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5
	6/14/11	1.4	0.79	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5
	12/8/11	**6.4**	2.3	ND<1	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.95	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5
	6/27/12	**15**	4.9	ND<0.5	ND<1	ND<0.5	ND<1	2.8	ND<0.5	0.37	ND<1	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1
	12/28/12[i]	**12**	3.8	ND<0.1	ND<1	ND<0.5	0.41 J	1.9	0.077 J	0.16 J	0.73 J	ND<1	ND<0.5	ND<1	0.66 J	ND<1	ND<2	ND<1	ND<1
	7/12/13[i]	**17**	4.6	ND<0.1	ND<1	ND<0.5	ND<1	2.8	0.10	0.56	0.58 J	ND<1	ND<0.5	ND<1 UJ	ND<1	ND<1	ND<2	ND<1	ND<1
	3/5/14	**14**	4.8	ND<0.5	ND<0.5	ND<0.5	0.44 J	2.9	ND<0.5	0.77	0.88	ND<0.5	ND<0.5	ND<1	ND<1.6	ND<0.5	ND<0.5	ND<2	0.25 J
	8/13/14	**10**	4.2	ND<0.5	ND<0.5	ND<0.5	0.33 J	2.2	ND<0.5	0.42	0.67	ND<0.5	ND<0.5	ND<1	0.58	ND<0.5	ND<0.5	ND<2	ND<0.5
PZ-2	1/25/06	3.1	3.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.50	ND<1	ND<2	1.2	ND<0.5	ND<1	2.7	ND<0.5	ND<0.5	ND<0.5	ND<20	--
	6/2/10	**5.3**	4.3	ND<1	ND<0.5	ND<0.5	ND<0.5	1.7	ND<0.5	--	0.44	ND<0.5	ND<0.5	ND<0.5	0.65	ND<2	--	ND<20	ND<0.5
	11/30/10	**8.4**	3.0	ND<1	ND<0.5	ND<0.5	ND<0.5	1.1	ND<0.5	ND<2	0.78	ND<0.5	ND<0.5	ND<0.5	0.63	ND<2	ND<0.5	ND<20	ND<0.5
	6/14/11	4.2	2.8	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.99	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5
	12/9/11	**9.4**	**8.2**	ND<1	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5	ND<2	2.5	ND<0.5	ND<0.5	ND<0.5	0.60	ND<2	ND<0.5	ND<20	ND<0.5
	6/28/12	**8.7**	**6.4**	ND<0.5	ND<1	ND<0.5	ND<1	0.66	ND<0.5	0.66	1.7	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	1.1	ND<1
	12/28/12[i]	1.2	1.5	ND<0.1	ND<1	ND<0.5	ND<1	0.63	0.067 J	0.39	0.47 J	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1
	7/12/13[i]	**6.4**	1.4	ND<0.1	ND<1	ND<0.5	ND<1	0.40	ND<0.1	0.48	ND<1	ND<1	ND<0.5	ND<1 UJ	ND<1	ND<1	ND<2	ND<1	ND<1
	3/5/14	**5.7**	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.87	ND<0.5	0.53	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<1.6	ND<0.5	ND<0.5	ND<2	ND<0.5
	8/13/14	**6.2**	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.42 J	ND<0.5	0.39	ND<0.5	ND<0.5	ND<0.5	ND<1	0.49 J	ND<0.5	ND<0.5	ND<2	ND<0.5
PZ-3	6/8/06	**14**	**44**	--	ND<0.5	ND<0.5	3.9	**50**	ND<0.5	**28**	3.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<50	ND<0.5
	12/8/10	**21**	**120**	ND<2	ND<1	1.6	**27**	**170**	ND<1	**130**	**13**	ND<1	ND<1	ND<1	ND<1	ND<4	ND<1	ND<40	ND<1
	6/22/11	**22**	**46**	ND<1	ND<0.5	ND<0.5	**6.1**	**59**	ND<0.5	**11**	3.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5
	12/19/11	**46**	**72**	ND<1	ND<0.5	ND<0.5	**8.5**	**74**	ND<0.5	ND<0.94	**7.1**	ND<0.5	ND<0.5	ND<0.5	0.51	ND<2	ND<0.5	ND<20	ND<0.5
	7/10/12	**36**	**75**	ND<0.5	ND<1	ND<0.5	**6.1**	**52**	ND<0.5	**16**	**7.0**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1

TABLE 5

VOC GROUNDWATER ANALYTICAL RESULTS - EW - PZ - Z4 WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																	
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**--**	**--**	**5**	**150**
PZ-3	2/14/13[i]	**44**	**110**	ND<0.5	ND<1	ND<0.5	**9.0**	**79**	ND<0.5	**15 B**	**9.7**	0.45 J	ND<0.5	ND<1	0.44 J	ND<1	ND<2	ND<1	ND<1
(cont.)	7/12/13[i]	**41**	**66**	ND<0.5	ND<1	ND<0.5	**5.9**	**58**	ND<0.5	**7.6**	**6.5**	ND<1	ND<0.5	ND<10 UJ	ND<1	ND<1	ND<2	ND<1	ND<1
	3/6/14	**31**	**91**	ND<1	ND<1	0.76 J	**13**	**100**	ND<1	**33**	**9.5**	ND<1	ND<1	ND<2	ND<1	ND<1	ND<1	ND<4	ND<1
	8/12/14	**18**	**68**	ND<0.5	ND<0.5	0.73	**12**	**67**	ND<0.5	**36**	**8.7**	0.52	ND<0.5	ND<1	0.28 J	ND<0.5	ND<0.5	ND<2	ND<0.5
PZ-4	6/17/11	**46**	**45**	ND<1	ND<0.5	ND<0.5	2.8	**23**	ND<0.5	**11**	**8.6**	ND<0.5	ND<0.5	ND<0.5	0.75	ND<2	ND<0.5	ND<20	0.56
	12/19/11	**33**	**16**	ND<1	ND<0.5	ND<0.5	0.97	5.5	ND<0.5	**1.6**	**7.2 M1[o]**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5
	7/5/12	**26**	**13**	ND<0.5	ND<1	ND<0.5	ND<1	4.1	ND<0.5	**1.0**	4.9	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1
	2/15/13[i]	3.3	2.9	ND<0.1	ND<1	ND<0.5	ND<1	3.4	ND<0.1	0.22	ND<1	ND<1	ND<0.5	ND<1	2.4	--	ND<2	ND<1	ND<1
	7/12/13[i]	**22**	**11**	ND<0.1	ND<1	ND<0.5	0.52 J	5.5	ND<0.1	**1.5**	3.5	ND<1	ND<0.5	ND<10 UJ	ND<1.3	ND<1	ND<2	ND<1	ND<1
	3/6/14	1.2	1.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6	ND<0.5	ND<0.19	ND<0.5	ND<0.5	ND<0.5	ND<1	2.4	ND<0.5	ND<0.5	ND<2	ND<0.5
	8/11/14	**29**	**52**	ND<0.5	ND<0.5	ND<0.5	3.9	**29**	ND<0.5	**7.7**	**6.6**	0.35 J	ND<0.5	ND<1	0.26 J	ND<0.5	ND<0.5	ND<2	0.26 J
PZ-5	7/21/06	**64**	**67**	ND<1	ND<0.5	ND<0.5	4.1	**55**	ND<1	--	**13**	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	--
	6/23/11	**36 M1**	**70 M1**	ND<1	ND<0.5 M1	ND<0.5	4.6 M1	**41 M1**	ND<0.5	**21**	**7.0**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5 M1
	12/19/11	**43**	**50**	ND<1	ND<0.5	ND<0.5	3.5	**28**	ND<0.5	**6.5**	**9.7**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5
	7/9/12	3.0	**5.1**	ND<0.5	ND<1	ND<0.5	ND<1	**9.5**	ND<0.5	ND<0.19	ND<1	ND<1	ND<0.5	ND<1	2.6	ND<1	ND<2	ND<1	ND<1
	2/15/13[i]	**28**	**24**	ND<0.1	ND<1	ND<0.5	1.3	**12**	0.073 J	**2.7**	5.6	ND<1	ND<0.5	ND<1	1.5	--	ND<2	ND<1	ND<1
	7/11/13[i]	**42**	**47**	ND<0.1	ND<1	ND<0.5	3.8	**27**	0.15	**9.2**	5.8	0.33 J	ND<0.5	ND<1	0.38 J	ND<1	ND<2	ND<1	ND<1
	3/6/14	**51**	**83**	ND<0.5	ND<0.5	0.29 J	**8.1**	**79**	ND<0.5	**11**	**7.1**	ND<0.5	ND<0.5	ND<1	ND<1.6	ND<0.5	ND<0.5	ND<2	ND<0.5
	8/12/14	**74**	**83**	ND<0.5	ND<0.5	ND<0.5	**6.7**	**85**	ND<0.5	**11**	**6.1**	ND<0.5	ND<0.5	ND<1	0.44 J	ND<0.5	ND<0.5	ND<2	ND<0.5
PZ-6	7/7/06	**24**	**100**	ND<1	0.60	ND<0.5	**13**	**94**	ND<1	--	**8.2**	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	--
	7/21/06	**30**	**130**	ND<1	1.7	0.60	**17**	**160**	ND<1	--	**11**	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<20	--
	12/8/10	**54**	**610**	ND<5	ND<2.5	3.8	**89**	**880**	ND<2.5	**330**	**28**	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<2.5	ND<100	ND<2.5
	6/22/11	**14**	**68**	ND<1	ND<0.5	0.60	**12**	**99**	ND<0.5	**43**	4.6	ND<0.5	ND<0.5	ND<0.5	0.50	ND<2	ND<0.5	ND<20	ND<0.5
	12/19/11	2.9	**9.8**	ND<1	ND<0.5	ND<0.5	1.2	**16**	ND<0.5	**1.9**	0.79	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<20	ND<0.5
	7/5/12	**15**	**45**	ND<0.5	ND<1	ND<0.5	**5.5**	**41**	ND<0.5	**13**	4.0	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1
	2/14/13[i]	**12**	**45**	ND<0.25	ND<1	ND<0.5	**6.5**	**44**	0.13 J	**10 B**	3.9	ND<1	ND<0.5	ND<1	0.50 J	ND<1	ND<2	ND<1	ND<1
	7/11/13[i]	**18**	**93**	ND<1	ND<1	1.1	**16**	**160**	ND<1	**31**	**6.9**	ND<1	ND<0.5	ND<1	0.49 J	ND<1	ND<2	ND<1	ND<1
	3/21/14	**14**	**98**	ND<0.5	ND<0.5	0.83	**13**	**96**	0.49 J	**26**	**6.1**	ND<0.5	ND<0.5	ND<1	3.5	ND<0.5	ND<0.5	ND<2	ND<0.5
	8/13/14	**21**	**180**	ND<2	ND<2	ND<2	**24**	**260**	ND<2	**44**	**14**	ND<2	ND<2	ND<4	4.2	ND<2	ND<2	ND<8	ND<2

TABLE 5

VOC GROUNDWATER ANALYTICAL RESULTS - EW - PZ - Z4 WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																	
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM
MCLs[c]		**5**	**5**	**0.2**	**200**	**5**	**5**	**6**	**0.5**	**1**	**6**	**10**	**0.5**	**NE[d]**	**NE**	**NE**	**NE**	**5**	**150**
Drinking Water Standard[e]		**5**	**5**	**1**	**200**	**32**	**5**	**6**	**0.5**	**1**	**6**	**10**	**1**	**100**	**100**	**--**	**--**	**5**	**150**
PZ-7	7/21/06	**11**	**190**	ND<1	ND<0.5	1.0	**17**	**360**	**0.70**	--	3.9	ND<0.5	ND<1	ND<0.5	1.0	ND<0.5	ND<0.5	ND<20	--
	11/30/10	**5.6**	**110**	ND<1	ND<0.5	ND<0.5	**7.9**	**69**	ND<0.5	**22**	1.4	ND<0.5	ND<0.5	ND<0.5	0.59	ND<2	ND<0.5	ND<20	ND<0.5
	6/22/11	**8.2**	**110**	ND<1	ND<0.5	ND<0.5	**9.3**	**160**	**0.58**	**25**	2.4	ND<0.5	ND<0.5	ND<0.5	1.3	ND<2	ND<0.5	ND<20	ND<0.5
	12/19/11	**12**	**87**	ND<1	ND<0.5	ND<0.5	**10**	**110**	ND<0.5	**21**	4.3	ND<0.5	ND<0.5	ND<0.5	1.1	ND<2	ND<0.5	ND<20	ND<0.5
	7/10/12	**15**	**110**	ND<0.5	ND<1	1.3	**17**	**140**	**0.76**	**64**	**6.0**	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1
	12/28/12[i]	**13**	**150**	ND<0.5	ND<1	1.4	**21**	**190**	**0.60**	**44**	**6.4**	ND<1	ND<0.5	ND<1	0.89 J	ND<1	ND<2	ND<1	ND<1
	7/11/13[i]	**10**	**140**	ND<1	ND<1	1.6	**21**	**290**	**0.86 J**	**33**	4.8	ND<1	ND<0.5	ND<1	0.92 J	ND<1	ND<2	ND<1	ND<1
	3/6/14	**5.1**	**100**	ND<0.5	ND<0.5	1.3	**15**	**150**	**0.78**	**24**	3.4	ND<0.5	ND<0.5	ND<1	ND<1.6	ND<0.5	ND<0.5	ND<2	ND<0.5
	8/12/14	4.7	**110**	ND<0.5	ND<0.5	0.8	**10**	**180**	0.51	**23**	2.0	ND<0.5	ND<0.5	ND<1	0.70	ND<0.5	ND<0.5	ND<2	ND<0.5
Z4-1	11/8/95	**90**	**48**	ND<10	**2,700**	ND<10	**150**	**590**	ND<10	--	ND<10	ND<10	ND<50	ND<10	ND<10	ND<50	ND<50	ND<50	ND<10
	2/23/96	**120**	**48**	ND<10	**2,900**	ND<10	**160**	**830**	ND<10	--	ND<10	ND<10	ND<50	ND<10	ND<10	ND<50	ND<50	ND<50	ND<10
	1/15/01	**43**	**24**	ND<1	**1,800**	**27**	**61**	**550**	**7.8**	**520**	**9.3**	ND<0.5	ND<1	ND<0.5	1.7	ND<0.5	--	ND<20	--
	2/1/01	**48**	**81**	ND<10	**1,800**	**30**	**78**	**650**	ND<10	**670**	**9.1**	ND<5	ND<10	ND<5	ND<5	ND<5	--	ND<200	--
	6/11/01	--	--	--	--	--	--	--	--	**140**	--	--	--	--	--	--	--	--	--
	7/24/02	**45**	**340**	ND<10	30	ND<10	ND<10	**450**	ND<10	**9.8**	**12**	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<50	ND<10
	7/13/12	**25**	**130**	ND<2.5	**390**	**6.4**	**110**	**310**	ND<2.5	**95**	**6.8**	ND<5	ND<2.5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5
	12/28/12[i]	**16**	**82**	ND<0.1	**430**	**6.8**	**86**	**300**	**1.0**	**76**	5.8	ND<5	ND<2.5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5
	7/12/13[i]	**22**	**98**	ND<2.5	**370**	4.5	**62**	**210**	ND<2.5	**28**	5.2	ND<4	ND<2	ND<4 UJ	ND<4	ND<4	ND<8	ND<4	ND<4
	3/4/14	**18**	**160**	ND<5	**450**	3.4 J	**65**	**280**	ND<5	**7.8**	**7.0**	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	11 J	ND<5
	8/16/14	**20**	**170**	ND<1.3	**240**	2.3	**41**	**130**	ND<1.3	**17**	**6.7**	ND<1.3	ND<1.3	ND<2.5	ND<1.3	ND<1.3	ND<1.3	ND<5	ND<1.3
Z4-2	11/8/95	**110**	**720**	ND<10	**750**	**27**	**840**	**2,800**	ND<10	--	**38**	ND<10	ND<50	ND<10	ND<10	ND<50	ND<50	ND<50	ND<10
	2/23/96	**130**	**1,400**	ND<50	**750**	ND<50	**840**	**7,400**	ND<50	--	ND<50	ND<50	ND<250	ND<50	ND<50	ND<250	ND<250	ND<250	ND<50
	2/1/01	**71**	**290**	ND<10	150	**21**	**200**	**2,900**	ND<10	**140**	**20**	ND<5	ND<10	ND<5	ND<5	ND<5	--	ND<200	--
	4/9/01	**75**	**260**	ND<1	100	**18**	**200**	**2,000**	**6.6**	**300**	**20**	1.9	ND<1	ND<0.5	5.0	ND<0.5	--	ND<20	--
	6/11/01	--	--	--	--	--	--	--	--	**60**	--	--	--	--	--	--	--	--	--
	7/9/01	**66**	**230**	ND<5	70	**17**	**180**	**440**	**5.2**	--	**20**	ND<5	ND<5	ND<5	ND<5	ND<5	--	ND<100	--
	8/13/01	**65**	**210**	ND<5	78	**13**	**210**	**2,300**	**5.7**	--	**20**	ND<2.5	ND<5	ND<2.5	3.8	ND<2.5	--	ND<100	--
	7/24/02[p]	**48**	**85**	ND<20	24	ND<20	**89**	**870**	ND<20	**36**	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<20	ND<100	ND<20
	7/16/12	**26**	**220**	ND<2.5	ND<5	ND<2.5	**98**	**420**	ND<2.5	**52**	**6.6**	ND<5	ND<2.5	ND<5	ND<2.5	ND<5	ND<10	ND<5	ND<5
	2/14/13[i]	**33**	**280**	ND<2.5	44	2.8	**190**	**750**	**4.9**	**31 B**	**9.8**	ND<2.5	ND<1.3	ND<2.5	1.5 J	ND<2.5	ND<5	ND<2.5	ND<2.5

TABLE 5

VOC GROUNDWATER ANALYTICAL RESULTS - EW - PZ - Z4 WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																	
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM
MCLs[c]		5	5	0.2	200	5	5	6	0.5	1	6	10	0.5	NE[d]	NE	NE	NE	5	150
Drinking Water Standard[e]		5	5	1	200	32	5	6	0.5	1	6	10	1	100	100	--	--	5	150
Z4-2	4/11/13[q]	22	150	ND<0.5	89	1.9	88	550	0.57 J	29 B	7.3	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1
(cont.)	7/12/13[i]	32	240	ND<2.5	46	1.9 J	170	430	ND<2.5	26	7.8	ND<4	ND<2	ND<4 UJ	ND<4	ND<4	ND<8	ND<4	ND<4
	3/4/14	27	130	ND<0.5	9.6	0.78	34	200	ND<0.5	14	8.0	0.44 J	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5
	8/16/14	16	110	ND<0.5	1.3	0.50	29	110	ND<0.5	15	6.6	ND<0.5	ND<0.5	ND<1	0.36 J	ND<0.5	ND<0.5	ND<2	ND<0.5
Z4-3	11/8/95	180[r]	4,300	ND<100	660	48[r]	1,500	14,000	24[r]	--	81[r]	ND<100	ND<500	ND<100	ND<100	ND<500	ND<500	ND<500	ND<100
	2/23/96	ND<250	3,300	ND<250	640	ND<250	1,400	11,000	ND<250	--	ND<250	ND<250	ND<1,250	ND<250	ND<250	ND<1,250	ND<1,250	ND<1,250	ND<250
	12/1/99	80	800	ND<50	240	34	610	5,300	ND<50	--	ND<25	ND<25	ND<50	ND<25	ND<25	ND<25	--	ND<500	--
	7/24/02[p]	ND<200	1,800	ND<200	ND<200	ND<200	580	4,400	ND<200	290	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<1,000	ND<200
	10/2/02[s]	ND<100	2,200	ND<100	ND<100	ND<100	730	5,800	ND<100	230	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<500	ND<100
	10/17/02[s]	ND<200	3,400	ND<200	ND<200	ND<200	1,000	8,100	ND<200	190	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<1,000	ND<200
	7/19/12	28	560	ND<0.5	3.8	5.8	110	1,400	2.5	350	6.8	0.43 J	ND<0.5	ND<1	2.5	ND<1	ND<2	ND<1	ND<1
	12/26/12[j]	4.4	100	ND<0.1	ND<1	1.0	20	2,000	2.8	330	1.1	ND<1	ND<0.5	ND<1	0.55 J	ND<1	ND<2	ND<1	ND<1
	7/16/13[i]	43	780	ND<10	ND<5.0	9.2	190	1,500	ND<10	230	13	ND<5.0	ND<2.5	ND<5	4.5 J	ND<5	ND<10	ND<5	ND<5
	3/4/14	43	1,000	ND<13	ND<13	7.7 J	120	2,200	ND<13	180	7.5 J	ND<13	ND<13	ND<25	ND<13	ND<13	ND<13	ND<50	ND<13
	8/16/14	34	750	ND<5	ND<5	8.2	83	1,400	2.6 J	230	8.3	ND<5	ND<5	ND<10	4.0 J	ND<5	ND<5	ND<20	ND<5
Z4-4	11/8/95	190[r]	7,000	ND<100	1,000	37[r]	260[r]	7,200	40[r]	--	20[r]	15[r]	ND<500	ND<100	ND<100	ND<500	ND<500	ND<500	ND<100
	2/23/96	270	10,000	ND<100	830	ND<100	360	14,000	ND<100	--	ND<100	ND<100	ND<500	ND<100	ND<100	ND<500	ND<500	ND<500	ND<100
	1/15/01	45	110	ND<1	23	0.60	14	64	ND<1	18	9.0	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	--	ND<20	--
	2/1/01	110	4,100	ND<1	270	15	220	5,100	7.7	230	20	1.9	ND<1	ND<0.5	10	ND<0.5	--	ND<20	--
	3/12/01	41	570	ND<50	42	ND<25	ND<25	660	ND<50	--	ND<25	ND<25	ND<50	ND<25	ND<25	ND<25	--	ND<1,000	--
	4/9/01	130	3,000	ND<5	42	5.4	210	4,400	ND<5	120	20	ND<2.5	ND<5	ND<2.5	10	ND<2.5	--	ND<100	--
	6/11/01	98	1,100	ND<50	28	ND<25	93	1,600	ND<50	57	ND<25	ND<25	ND<50	ND<25	ND<25	ND<25	--	ND<1,000	--
	7/9/01	66	880	ND<50	ND<50	ND<50	61	1,300	ND<50	--	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	--	ND<1,000	--
	8/13/01	80	2,100	ND<20	26	ND<10	170	3,700	ND<20	--	21	ND<10	ND<20	ND<10	ND<10	ND<10	--	ND<400	--
	7/24/02[p]	ND<200	4,300	ND<200	ND<200	ND<200	370	7,000	ND<200	220	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<1,000	ND<200
	10/2/02[s]	130	3,500	ND<100	ND<100	ND<100	220	5,600	ND<100	250	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<500	ND<100
	10/17/02[s]	ND<200	2,500	ND<200	ND<200	ND<200	ND<200	4,500	ND<200	300	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<200	ND<1,000	ND<200
	7/16/12	59	1,700	ND<10	ND<20	ND<10	77	2,300	ND<10	300	8.5 J	ND<20	ND<10	ND<20	7.1 J	ND<20	ND<40	ND<20	ND<20
	4/11/13[q]	51	230	ND<0.5	ND<1	7.6	63	2,700	4.0	230 B	10	ND<1	ND<0.5	ND<1	7.6	ND<1	ND<2	ND<1	ND<1
	7/12/13[i]	94	2,100	ND<50	ND<20 UJ	7.8 J	110	3,800	ND<50	270	12 J	ND<20	ND<10	ND<20 UJ	12 J	ND<20	ND<40 UJ	47	ND<20

TABLE 5

VOC GROUNDWATER ANALYTICAL RESULTS - EW - PZ - Z4 WELLS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Volatile Organic Compounds (µg/l)[a][b]																	
		PCE	TCE	1,1,2,2-PCA	1,1,1-TCA	1,1,2-TCA	1,1-DCA	1,1-DCE	1,2-DCA	1,4-Dioxane	cis-1,2-DCE	trans-1,2-DCE	VC	BFM	CFM	CMT	DFM	MC	TFM
MCLs[c]		5	5	0.2	200	5	5	6	0.5	1	6	10	0.5	NE[d]	NE	NE	NE	5	150
Drinking Water Standard[e]		5	5	1	200	32	5	6	0.5	1	6	10	1	100	100	--	--	5	150
Z4-4	3/4/14	**37**	**780**	ND<10	ND<100	ND<10	**52**	**1,400**	ND<10	**140 B**	**7.5 J**	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<40	ND<10
(cont.)	8/16/14	**49**	**970**	ND<10	ND<10	**6.0 J**	**58**	**1,600**	ND<10	**160**	**11**	ND<10	ND<10	ND<20	5.1 J	ND<10	ND<10	ND<40	ND<10
Z4-5	11/8/95	**100**	**510**	ND<10	**1,200**	ND<10	**95**	**440**	ND<10	--	ND<10	ND<10	ND<50	ND<10	ND<10	ND<50	ND<50	ND<50	ND<10
	2/23/96	**100**	**380**	ND<5	**680**	ND<5	**76**	**430**	ND<5	--	**26**	ND<5	ND<25	ND<5	ND<5	ND<25	ND<25	ND<25	ND<5
	1/15/01	**50**	**140**	ND<1	41	ND<0.5	**13**	**58**	ND<1	**28**	**9.7**	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	--	ND<20	--
	4/9/01	**57**	**160**	ND<1	42	0.50	**18**	**100**	ND<1	**36**	**13**	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	--	ND<20	--
	6/11/01	**45**	**120**	ND<1	38	0.60	**9.8**	**57**	ND<1	**15**	**11**	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	--	ND<20	--
	8/13/01	**47**	**190**	ND<5	43	ND<2.5	**19**	**190**	ND<5	--	**12**	ND<2.5	ND<5	ND<2.5	ND<2.5	ND<2.5	--	ND<100	--
	7/24/02[p]	**24**	**64**	ND<2	13	ND<2	**5.9**	**29**	ND<2	**19**	**7.2**	ND<2	ND<2	ND<2	ND<2	ND<2	ND<2	ND<10	ND<2
	7/12/12	**15**	**40**	ND<0.5	0.90 J	ND<0.5	2.6	**22**	ND<0.5	**17**	3.9	ND<1	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1
	12/27/12[j]	**24**	**37**	ND<0.1	0.67 J	ND<0.5	2.6	**18**	ND<0.1	**12**	**6.7**	0.36 J	ND<0.5	ND<1	ND<1	ND<1	ND<2	ND<1	ND<1
	7/12/13[j]	**25**	**31**	ND<0.1	0.33 J	ND<0.5	1.8	**14**	ND<0.1	**9.5**	5.6	ND<1	ND<0.5	ND<1 UJ	ND<1	ND<1	ND<2 UJ	ND<1	ND<1
	3/4/14	**19**	**28**	ND<0.5	ND<0.5	ND<0.5	1.6	**18**	ND<0.5	**6.8 B**	**6.3**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5
	8/16/14	**14**	**16**	ND<0.5	0.35 J	ND<0.5	0.89	4.5	ND<0.5	**12**	5.0	0.28 J	ND<0.5	ND<1	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5

(a) Volatile organic compounds (VOCs) analyzed by EPA Method 524.2 or 8260B; reported in micrograms per liter (µg/l).

PCE - Tetrachloroethene
TCE - Trichloroethene
1,1,2,2-PCA - 1,1,2,2-tetrachloroethane
1,1-DCE - 1,1-dichloroethene
1,1,1-TCA - 1,1,1-trichloroethane
1,1,2-TCA - 1,1,2-trichloroethane
1,1-DCA - 1,1-dichloroethane
1,2-DCA - 1,2-dichloroethane
cis-1,2-DCE - cis-1,2-dichloroethene
trans-1,2-DCE - trans-1,2-dichloroethene
VC - Vinyl Chloride
BFM - Bromoform
CFM - Chloroform
CMT - Chloromethane
DFM - Dichlorodifluoromethane
MC - Methylene chloride
TFM - Trichlorofluoromethane

(b) 1,4-dioxane analyzed by EPA Method 8270C-SIM; reported in µg/l.
(c) Maximum Contaminant Levels (MCLs).
(d) NE - Not established.
(e) Drinking water standards are Notification Levels as established by the California Department of Health Services or Maximum Contaminant Levels (MCLs) as established by the United States Environmental Protection Agency.
(f) ND - Not detected above the detection limit listed.
(g) "--" - Not analyzed.
(h) NS - Not sampled.
(i) DUP - Duplicate sample.
(j) 1,1-DCE and 1,2-DCA analyzed by EPA Method 524.2; reported in µg/l.
(k) UJ - Non-detect reporting limit is estimated.
(l) J - Estimated concentration.
(m) H - Sample was prepped or analyzed beyond the specified holding time.
(n) B - Compound detected in the blank and sample.
(o) M1 - The matrix spike (MS) and/or matrix spike duplicate (MSD) was above the acceptance limits due to sample matrix interference. See Blank Spike LCS.
(p) Baseline data collected for a dual-phase extraction (DPE) pilot test performed from 16 to 18 September 2002.
(q) Sample was analyzed for VOCs by H&P Mobile Geochemistry mobile lab using EPA Method 8260B and for low level VOCs by Test America's fixed lab using EPA Method 524.2.
(r) Sample analyzed at 10 times dilution by gas chromatograph.
(s) Post DPE pilot test samples.

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		**100**	**10**	**1,000**	**4**	**5**	**NE[c]**	**50**	**10**	**1,000**	**2**	**NE**	**100**	**15**	**6**	**50**	**2**	**NE**	**5,000**	**200**	**6**
W2	6/15/11	ND<1[d]	2.3	100	ND<0.5	ND<1	5.0	**440**	ND<1	12	ND<0.2	26	42	ND<1	ND<2	21	ND<1	19	ND<20	--[e]	--
	12/16/11	ND<1	2.0	120	ND<0.5 C[f]	ND<1	4.2	**530**	ND<1	12	ND<0.2	27	35	ND<1	ND<2	18	ND<1	30	ND<20 C	--	--
	7/2/12	ND<1	7.6	160	ND<0.5	ND<1	34	**2,100**	ND<2	60	ND<0.2	43	**160**	ND<1	ND<2	18	ND<1	9.0	ND<20	ND<25	3.8 J
	12/26/12	ND<1	1.6	110	ND<0.5	0.14 J[g]	1.1	**87**	0.85 J	3.9	ND<0.2	25	9.3	ND<1	ND<2	15	ND<1	6.7	ND<20	ND<5	--
	7/10/13[h][i]	ND<1	ND<1	100	ND<0.5	ND<1	0.73 J	ND<2	0.19	1.4 J	ND<0.2	24	3.5	ND<1	ND<2	17	ND<1	4.8	49	ND<5	2.3 J
	3/3/14	ND<1	0.63 J	92	ND<0.5	ND<1	--	ND<0.37	0.37	1.0 J	ND<0.2	--	6.2	ND<1	ND<2	14	ND<1	5.7	ND<20	ND<5	--
	8/17/14	ND<1	0.54 J	100	ND<0.5	ND<1	--	5.0	0.47	1.3 J	ND<0.2	22	18	ND<1	ND<2	16	ND<1	4.7	2.5 J	ND<5	--
W3	3/11/10	0.18 J	**15**	190	0.18 J	0.55 J	25	**2,700 B-1[j]**	3.8	110	0.13 J	46	**770**	3.5	0.57 J	24	ND<1	58	40	--	--
	6/20/11	ND<1	2.2	100	ND<0.5	ND<1	5.9	**170 MHA[k]**	**21**	7.0	ND<0.2	25	**350 MHA**	ND<1	ND<2	33	ND<1	5.0	26	--	--
	12/21/11	ND<1	5.1	92	ND<0.5	ND<1	10	**1,300**	9.1	37	ND<0.2	17	**170**	1.1	ND<2	14	ND<1	79	33	--	--
	7/11/12	ND<1 B[l]	1.9	95	ND<0.5	ND<1	ND<1	**92**	2.2	3.5	ND<0.2	15	12	ND<1	ND<2	25 B	ND<1	7.1	ND<20	ND<25	3.2 J
	12/26/12	0.31 J	1.5	87	ND<0.5	0.10 J	0.23 J	7.6	2.2	1.2 J	ND<0.2	15	3.5	ND<1	ND<2	17	ND<1	5.5	ND<20	ND<5	--
	7/16/13[h][i]	ND<1	ND<1	92	ND<0.5	0.17 J	1.6	15	**10**	1.4 J	ND<0.2	13	79	ND<1	ND<2	23	ND<1	6.3	ND<20	ND<5	2.6 J
	3/4/14	ND<1	1.2	68	ND<0.5	ND<1	--	11	6.1	ND<2	ND<0.2	--	34	ND<1	ND<2	9.6	ND<1	5.5	20 B	ND<5	--
W4	6/15/11	ND<1	**47**	520	ND<0.5	1.3	15	**12,000**	ND<1	280	ND<0.2	100	**520**	1.4	ND<2	16	ND<1	130	ND<20	--	--
	12/9/11	ND<1	**20**	260	ND<0.5 C	ND<1	4.2	**2,000**	ND<1	72	ND<0.2	37	**170**	ND<1	ND<2	18	ND<1	11	ND<20	--	--
	6/28/12	ND<1 B	5.8	190	ND<0.5	ND<1	7.6	**4,100**	ND<2	68	ND<0.2	64	**270**	ND<1	ND<2	17	ND<1	ND<100	ND<20	ND<25	3.5 J
	12/26/12	ND<1	2.9	170	ND<0.5	0.14 J	2.4	**720**	ND<1	37	ND<0.2	34	**150**	ND<1	ND<2	16	ND<1	16 J	7.5 J	ND<5	--
	7/11/13[h][i]	ND<1	ND<1	130	ND<0.5	0.11 J	1.3	3.2	0.025 J	1.4 J	ND<0.2	23	54	ND<1	ND<2	17	ND<1	4.8	ND<20	ND<5	3.5 J
	3/3/14	ND<1	0.55 J	130	ND<0.5	ND<1	--	1.5 J	ND<0.093	1.9 J	ND<0.2	--	25	ND<1	ND<2	14	ND<1	4.4	ND<20	ND<5	--
	8/17/14	ND<1	0.55 J	150	ND<0.5	ND<1	--	1.0 J	ND<0.1	0.89 J	ND<0.2	21	44	ND<1	ND<2	17	ND<1	4.3	4.2 J	ND<5	--
W5	6/15/11	ND<1	7.9	160	ND<0.5	ND<1	27	**6,700**	ND<1	96	ND<0.2	81	**750**	ND<1	ND<2	15	ND<1	33	ND<20	--	--
	12/13/11	ND<1	**28**	240	ND<0.5 C	1.2	56	**9,100**	ND<1	130	ND<0.2	100	**1,200**	ND<1	ND<2	17	ND<1	ND<2	ND<20	--	--
	6/29/12	ND<1	4.2	100	ND<0.5	ND<1	9.0	**970**	ND<2	19	ND<0.2	33	**240**	ND<1	ND<2	18	ND<1	2.0	ND<20	ND<25	3.5 J
	12/26/12	ND<1	5.2	120	ND<0.5	0.30 J	14	**2,700**	0.46 J	48	ND<0.2	59	**460**	ND<1	ND<2	17	ND<1	ND<20	ND<20	ND<5	--
	7/10/13[h][i]	ND<1	ND<1	89	ND<0.5	ND<1	1.4	3.5	ND<0.03	1.5 J	ND<0.2	28	**150**	ND<1	ND<2	16	ND<1	4.7	ND<20	ND<5	2.6 J
	3/3/14	ND<1	ND<1	92	ND<0.5	ND<1	--	11	ND<0.24	1.6 J	ND<0.2	--	**250**	ND<1	ND<2	14	ND<1	3.2	ND<20	ND<5	--
	8/17/14	ND<1	ND<1	89	ND<0.5	ND<1	--	2.0	2.0	0.89 J	ND<0.2	32	**250**	ND<1	ND<2	15	ND<1	2.0	ND<20	ND<5	--
W6	6/15/11	ND<1	1.9	100	ND<0.5	ND<1	ND<1	45	ND<1	3.6	ND<0.2	32	8.3	ND<1	ND<2	18	ND<1	7.2	ND<20	--	--
	12/13/11	ND<1	1.5	120	ND<0.5 C	ND<1	9.4	32	ND<1	2.8	ND<0.2	30	7.1	ND<1	ND<2	16	ND<1	6.6	ND<20	--	--
	7/2/12	ND<1	1.5	110	ND<0.5	ND<1	ND<1	5.4	ND<2	ND<2	ND<0.2	30	5.9	ND<1	ND<2	17	ND<1	5.4	ND<20	ND<25	3.5 J
	12/26/12	ND<1	1.7	110	ND<0.5	ND<1	0.26 J	8.0	ND<1	1.1 J	ND<0.2	29	8.2	ND<1	ND<2	16	ND<1	4.9	ND<20	ND<5	--
	7/10/13[h][i]	ND<1	1.1	110	ND<0.5	ND<1	0.74 J	ND<2	ND<0.03	1.4 J	ND<0.2	29	3.6	ND<1	ND<2	16	ND<1	5.0	ND<20	ND<5	2.0 J
	3/3/14	ND<1	ND<1	110	ND<0.5	ND<1	--	1.8 J	ND<0.06	2.9	ND<0.2	--	7.1	ND<1	ND<2	14	ND<1	5.1	ND<20	ND<5	--
	8/17/14	ND<1	0.95 J	120	ND<0.5	ND<1	--	0.67 J	ND<0.1	0.78 J	ND<0.2	29	4.1	ND<1	ND<2	15	ND<1	5.0	ND<20	ND<5	--

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		**100**	**10**	**1,000**	**4**	**5**	**NE[c]**	**50**	**10**	**1,000**	**2**	**NE**	**100**	**15**	**6**	**50**	**2**	**NE**	**5,000**	**200**	**6**
W7	6/27/11	ND<1	2.5	55	ND<0.5	ND<1	4.2	**280 MHA**	ND<1	3.8	ND<0.2	25	**120**	ND<1	ND<2	25	ND<1	3.2	51	--	--
	12/20/11	ND<1	4.5	52	ND<0.5	ND<1	1.6	**340**	1.7	5.8	ND<0.2	22	**120**	ND<1	ND<2	29	ND<1	11	ND<20	--	--
	7/12/12	ND<1 B	2.0	43	ND<0.5	ND<1	ND<1	**90**	2.6	ND<2 B	ND<0.2	18 B	15 B	ND<1	ND<2	20	ND<1	6.8	ND<20 B	ND<25	2.9 J
DUP[m]	7/12/12	ND<1 B	2.1	44	ND<0.5	ND<1	ND<1	**140**	2.6	2.3 B	ND<0.2	19 B	17 B	ND<1	ND<2	21	ND<1	7.0	ND<20 B	ND<25	2.9 J
	12/26/12	ND<1	3.7	61	ND<0.5	0.11 J	4.4	**1,800**	1.7	24	0.18 J	54	**120**	0.51 J	ND<2	16	ND<1	21	45	ND<5	--
	7/11/13[h][i]	ND<1	ND<1	39	ND<0.5	ND<1	0.55 J	2.8	2.1	0.93 J	ND<0.2	18	5.7	ND<1	ND<2	14	ND<1	6.4	ND<20	ND<5	2.5 J
W8	6/21/11	ND<1	1.2	64	ND<0.5	ND<1	7.5	**160**	**16**	5.3	ND<0.2	16	48	ND<1	ND<2	33	ND<1	6.8	ND<20	--	--
	12/23/11	ND<1	6.1	100	ND<0.5	ND<1	16	**970**	1.0	18	ND<0.2	34	**160**	ND<1	ND<2	33	ND<1	25	ND<20	--	--
	7/19/12	ND<1	3.8	75	ND<0.5	ND<1	6.5	**510**	3.1	11	ND<0.2	23	63	ND<1	ND<2	24	ND<1	4.5	ND<20	ND<25	2.4 J
	12/27/12	ND<1	2.0	58	ND<0.5	0.13 J	1.5	**70**	2.4	3.0	0.12 J	11	24	ND<1	ND<2	21	ND<1	7.7	ND<20	ND<5	--
	7/12/13[h][i]	ND<1	ND<1	56	ND<0.5	ND<1	0.57 J	3.3	2.6	ND<2	ND<0.2	10	5.9	ND<1	ND<2	20	ND<1	6.6	86	ND<5	2.5 J
	3/5/14	ND<1	0.62 J	52	ND<0.5	ND<1	--	7.5	7.3	ND<2	0.13 J	--	22	ND<1	ND<2	20	ND<1	5.5	ND<20	ND<5	--
W9	3/11/10	ND<1	1.2	34	ND<0.5 C	ND<1	0.93 J	**86 B-1**	**65**	2.2	0.24	7.2	19	0.79 J	ND<2	21	ND<1	4.2	6.8 J	--	--
	12/6/10	ND<1	2.1	73	ND<0.5	0.12 J	1.3	**66**	**20**	3.3	ND<0.2	18	14	0.99 J	ND<2	22	ND<1	8.9	36	--	--
	6/21/11	ND<1	ND<1	38	ND<0.5	ND<1	ND<1	**51**	**24**	2.1	ND<0.2	6.3	8.9	ND<1	ND<2	23	ND<1	5.0	30	--	--
	12/13/11	ND<1	2.9	49	ND<0.5 C	ND<1	1.4	**150**	**18**	7.0	ND<0.2	10	11	2.5	ND<2	20	ND<1	8.8	35	--	--
	6/29/12	ND<1	1.9	73	ND<0.5	ND<1	ND<1	**130**	**18**	2.3	ND<0.2	11	12	ND<1	ND<2	20	ND<1	4.8	32	ND<25	2.4 J
	12/27/12	ND<1	1.6	63	ND<0.5	ND<1	0.61 J	48	**27**	1.8 J	ND<0.2	14	7.2	0.67 J	ND<2	19	ND<1	6.4	11 JB	ND<5	--
	7/11/13[h][i]	ND<1	ND<1	61	ND<0.5	ND<1	0.53 J	**65**	**65**	0.92 J	ND<0.2	21	6.7	ND<1	ND<2	19	ND<1	4.8	7.6 J	ND<5	1.3 J
	3/4/14	ND<1	1.4	74	ND<0.5	ND<1	--	45	**46**	ND<2	ND<0.2	--	8.5	ND<1	ND<2	18	ND<1	6.4	21 B	ND<5	--
	8/26/14	ND<1	1.2	89	ND<0.5	ND<1	--	7.7	5.5	0.52 J	0.11 J	20	8.4	ND<1	ND<2	17	ND<1	6.6	ND<20	ND<5	--
W10	6/16/11	ND<1	2.0	93	ND<0.5	ND<1	2.2	**110**	ND<1	21	ND<0.2	18	20	1.6	ND<2	19	ND<1	11	27	--	--
	12/16/11	ND<1	1.5	100	ND<0.5 C	ND<1	2.1	**110**	ND<1	11	ND<0.2	18	64	ND<1	ND<2	20	ND<1	8.0	ND<20 C	--	--
	7/3/12	ND<1	1.9	92	ND<0.5	ND<1	ND<1	15	ND<2	3.9	ND<0.2	17	7.1	ND<1	ND<2	23	ND<1	6.1	ND<20	ND<25	3.2 J
	12/26/12	ND<1	1.6	90	ND<0.5	ND<1	0.70 J	30	2.2	7.5	ND<0.2	17	10	0.33 J	ND<2	21	ND<1	6.8	6.9 J	ND<5	--
	7/12/13[h][i]	ND<1	ND<1	88	ND<0.5	ND<1	0.66 J	2.4	0.64	ND<2	ND<0.2	18	6.7	ND<1	ND<2	20	ND<1	4.9	ND<20	ND<5	2.5 J
	3/4/14	ND<1	0.75 J	69	ND<0.5	ND<1	--	8.8	7.1	4.0 B	ND<0.2	--	9.1	ND<1	ND<2	17	ND<1	4.7	ND<20	ND<5	--
	8/16/14	ND<1	0.60 J	79	ND<0.5	ND<1	--	2.1	1.3	1.7 J	ND<0.2	17	5.8	ND<1	ND<2	21	ND<1	4.7	2.6 J	ND<5	--
W11	6/16/11	ND<1	ND<1	240	ND<0.5	ND<1	2.1	**580**	**46**	2.9	ND<0.2	35	**130**	ND<1	ND<2	4.3	ND<1	20	ND<20	--	--
	12/20/11	ND<1	ND<1	140	ND<0.5	ND<1	7.1	**170**	**13**	2.8	ND<0.2	34	55	ND<1	ND<2	4.8	ND<1	4.6	ND<20	--	--
	7/6/12	ND<1	ND<1	81	ND<0.5	ND<1	ND<1	26	**10**	ND<2	ND<0.2	32	17	ND<1	ND<2	4.5	ND<1	4.6	ND<20	ND<25	ND<4
	12/26/12	ND<1	ND<1	120	ND<0.5	ND<1	0.47 J	**170**	**67**	0.86 J	ND<0.2	28	26	ND<1	ND<2	2.8	ND<1	ND<2	ND<20	ND<5	--
	7/12/13[h][i]	ND<1	ND<1	67	ND<0.5	ND<1	ND<1	**77**	**58**	ND<2	ND<0.2	30	6.4	ND<1	ND<2	3.4	ND<1	1.5 J	ND<20	ND<5	3.6 J
	3/4/14	ND<1	ND<1	73	ND<0.5	ND<1	--	34	**31**	ND<2	ND<0.2	--	7.7	ND<1	ND<2	2.6	ND<1	2.4	ND<20	ND<5	--
	8/17/14	ND<1	ND<1	64	ND<0.5	ND<1	--	8.0	4.5	ND<2	ND<0.2	34	9.7	ND<1	ND<2	4.2	ND<1	3.1	ND<20	ND<5	--

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		**100**	**10**	**1,000**	**4**	**5**	**NE[c]**	**50**	**10**	**1,000**	**2**	**NE**	**100**	**15**	**6**	**50**	**2**	**NE**	**5,000**	**200**	**6**
W12	7/24/12[h]	ND<1	4.5	140	ND<0.5	ND<1	1.5	**60**	7.3	3.8	ND<0.2	19 B	23	3.8	ND<2	40	ND<1	8.4	30	--	5.9
W13	6/16/11	ND<1 C	ND<1	70	ND<0.5	ND<1	ND<1	17	6.5	8.9	ND<0.2	12	4.3	2.4	ND<2	17	ND<1	8.6	43	--	--
	12/9/11	ND<1	1.8	73	ND<0.5 C	ND<1	11	12	4.9	13	ND<0.2	11	6.1	ND<1	ND<2	13	ND<1	8.4	38	--	--
	7/17/12	ND<1 B	2.1	68	ND<0.5	ND<1	ND<1	21	9.5	4.0	ND<0.2	11	6.4	ND<1	ND<2	20	ND<1	7.3	ND<20	ND<25	4.3
	12/27/12	ND<1	1.9	72	ND<0.5	0.21 J	0.19 J	12	**11**	1.3 J	ND<0.2	11	4.3	ND<1	ND<2	21	ND<1	5.5	ND<20	ND<5	--
	7/12/13[h][i]	ND<1	1.2	67	ND<0.5	ND<1	ND<1	6.1	5.9	ND<2	ND<0.2	10	3.2	ND<1	ND<2	22	ND<1	6.1	8.3 J	ND<5	3.8 J
	3/14/14	ND<1	1.7	ND<68	ND<0.5	ND<1	--	8.2	5.0	ND<2	ND<0.2	--	3.6	ND<1	ND<2	15	ND<1	8.6	ND<20	ND<5	--
	8/8/14	ND<1	1.3	63	ND<0.5	ND<1	--	8.4	5.3	1.9 J	ND<0.2	11	6.1	ND<1	ND<2	12	ND<1	6.7	5.7 J	ND<5	--
W14	6/2/10	0.17 J	6.2	91	ND<0.5	0.36 J	1.8	**300**	ND<1	23	ND<0.2	19	71	3.0	ND<2	15	0.25 J	22	57	--	--
	12/3/10	0.12 J	9.7	100	ND<0.5	0.31 J	1.6	**320 MHA**	1.4	16	0.14 J	21	44	4.3	0.41 J	12	ND<1	28	31	--	--
	6/16/11	ND<1	2.1	77	ND<0.5	ND<1	1.0	**77**	ND<1	6.2	ND<0.2	19	24	2.1	ND<2	12	ND<1	11	ND<20	--	--
DUP	6/16/11	ND<1	2.2	77	ND<0.5	ND<1	1.0	**78**	1.1	6.1	ND<0.2	19	24	2.2	ND<2	12	ND<1	12	ND<20	--	--
	12/16/11	ND<1	2.7	91	ND<0.5 C	ND<1	3.3	**190**	1.3	8.7	ND<0.2	23	20	1.4	ND<2	13	ND<1	10	ND<20 C	--	--
DUP	12/16/11	ND<1	1.6	89	ND<0.5 C	ND<1	3.3	**120**	1.5	6.0	ND<0.2	21	17	ND<1	ND<2	12	ND<1	8.1	ND<20 C	--	--
	7/18/12	ND<1	1.5	84	ND<0.5	ND<1	ND<1	19	ND<2	2.9	ND<0.2	21	13	ND<1	ND<2	13	ND<1	7.6	ND<20	ND<25	**6.4**
DUP	7/18/12	ND<1	1.5	79	ND<0.5	ND<1	ND<1	14	ND<2	2.4	ND<0.2	20	12	ND<1	ND<2	13	ND<1	6.9	ND<20	ND<25	5.6
	12/27/12	ND<1	1.7	76	ND<0.5	0.11 J	0.22 J	12	1.6	1.2 J	ND<0.2	12	4.4	0.62 J	ND<2	15	ND<1	7.0	4.3 JB	ND<5	--
DUP	12/27/12	ND<1	1.5	77	ND<0.5	ND<1	0.24 J	10	1.6	1.0 J	ND<0.2	12	4.2	0.64 J	ND<2	15	ND<1	7.2	ND<20	ND<5	--
	7/11/13[h][i]	ND<1	ND<1	78	ND<0.5	ND<1	0.78 J	4.5	1.3	1.4 J	ND<0.2	19	15	ND<1	ND<2	13	ND<1	6.2	11 J	ND<5	5.1
DUP	7/11/13[h]	ND<1	ND<1	81	ND<0.5	ND<1	0.77 J	2.5	1.3	1.3 J	ND<0.2	20	15	ND<1	ND<2	13	ND<1	6.2	9.6 J	ND<5	**6.2**
	3/4/14	ND<1	0.53 J	73	ND<0.5	ND<1	--	5.1	1.7	1.1 J	ND<0.2	--	40	ND<1	ND<2	13	ND<1	5.4	ND<20	ND<5	--
DUP	3/4/14	ND<1	0.71 J	73	ND<0.5	ND<1	--	4.6	1.6	0.83 J	ND<0.2	--	37	ND<1	ND<2	13	ND<1	5.5	ND<20	ND<5	--
	8/8/14	ND<1	1.1	77	ND<0.5	ND<1	--	29	2.2	2.5	ND<0.2	18	41	ND<1	ND<2	14	ND<1	7.5	ND<20	ND<5	4.7
DUP	8/8/14	ND<1	1.1	78	ND<0.5	ND<1	--	36	2.4	2.9	ND<0.2	18	42	ND<1	ND<2	13	ND<1	7.9	ND<20	ND<5	4.9
W15	6/16/11	ND<1	3.2	82	ND<0.5	ND<1	1.8	**250**	ND<1	15	ND<0.2	9.4	63	ND<1	ND<2	11	ND<1	19	22	--	--
	12/8/11	ND<1	2.6	96	ND<0.5	ND<1	4.4	**300**	ND<1	27	ND<0.2	12	**160**	ND<1	ND<2	16	ND<1	15	ND<20	--	--
	7/17/12	ND<1 B	6.6	100	ND<0.5	ND<1	3.7	**690**	2.9	35	ND<0.2	13	70	ND<1	ND<2	17	ND<1	9.6	36	ND<25	**6.0**
	12/27/12	ND<1	2.1	81	ND<0.5	ND<1	0.58 J	**120**	3.4	4.9	ND<0.2	7.6	13	0.23 J	ND<2	19	ND<1	8.7	6.0 JB	ND<5	--
	7/22/13[h][i]	ND<1	1.7	77	ND<0.5	ND<1	0.51 J	3.2	2.5	ND<2	ND<0.2	8.7 J	8.3	ND<1	ND<2	20	ND<1	5.6	ND<20	ND<5	4.6
W16	12/21/11	ND<1	2.9	140	ND<0.5	ND<1	5.6	**78**	3.5	5.9	ND<0.2	22	37	ND<1	ND<2	12	ND<1	10	ND<20	--	--
	7/18/12	ND<1	1.5	110	ND<0.5	ND<1	ND<1	**68**	7.4	3.9	ND<0.2	15	12	ND<1	ND<2	9.6	ND<1	9.6	ND<20	ND<25	**12**
	12/27/12	ND<1	1.6	96	ND<0.5	ND<1	0.54 J	43	6.9	1.9 J	ND<0.2	16	13	ND<1	ND<2	15	ND<1	9.1	ND<20	ND<5	--
	7/22/13[h][i]	ND<1	1.5	89	ND<0.5	ND<1	0.39 J	46	5.8	ND<2	ND<0.2	48 J	15	ND<1	0.31	18	ND<1	4.5	4.3 J	ND<5	**6.0**
W17	3/11/10	ND<1	1.1	80	ND<0.5 C	0.15 J	0.94 J	26 B-1	1.8	2.1	ND<0.2	11	**72**	ND<1	ND<2	31	ND<1	6.3	14	--	--
	12/3/10	ND<1	0.93 J	75	ND<0.5	0.18 J	0.78 J	16	4.0	2.6	ND<0.2	11	42	0.29 J	ND<2	27	ND<1	6.3	ND<10	--	--

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		**100**	**10**	**1,000**	**4**	**5**	**NE[c]**	**50**	**10**	**1,000**	**2**	**NE**	**100**	**15**	**6**	**50**	**2**	**NE**	**5,000**	**200**	**6**
W17	6/20/11	ND<1	ND<1	76	ND<0.5	ND<1	ND<1	13	5.2	ND<2	ND<0.2	14	45	ND<1	ND<2	32	ND<1	5.1	ND<20	--	--
(cont.)	12/21/11	ND<1	1.7	69	ND<0.5	ND<1	ND<1	13	4.9	ND<2	ND<0.2	16	29	ND<1	ND<2	18	ND<1	6.3	ND<20	--	--
DUP	12/21/11	ND<1	1.3	68	ND<0.5	ND<1	1.0	16	5.0	ND<2	ND<0.2	16	29	ND<1	ND<2	19	ND<1	6.3	ND<20	--	--
	7/19/12	ND<1	1.7	70	ND<0.5	ND<1	ND<1	6.3	2.9	2.2	ND<0.2	14	31	ND<1	ND<2	22	ND<1	5.5	ND<20	ND<25	4.4
DUP	7/19/12	ND<1	1.6	70	ND<0.5	ND<1	ND<1	7.0	3.0	2.5	ND<0.2	14	33	ND<1	ND<2	22	ND<1	5.5	ND<20	ND<25	5.2
	12/27/12	ND<1	1.8	73	ND<0.5	0.28 J	1.1	13	2.8	1.6 J	ND<0.2	12	28	0.35 J	ND<2	24	ND<1	6.3	16 JB	ND<5	--
DUP	12/27/12	ND<1	1.9	70	ND<0.5	0.28 J	1.1	13	2.8	1.4 J	ND<0.2	11	27	0.40 J	ND<2	24	ND<1	6.0	8.8 JB	ND<5	--
	7/11/13[h][i]	ND<1	ND<1	69	ND<0.5	0.20 J	0.74 J	4.7	2.9	1.1 J	ND<0.2	9.6	8.7	ND<1	ND<2	26	ND<1	5.5	17 J	ND<5	**6.3**
DUP	7/11/13	ND<1	ND<1	71	ND<0.5	0.18 J	0.76 J	4.7	3.3	1.1 J	ND<0.2	9.9	8.8	ND<1	ND<2	27	ND<1	5.5	17 J	ND<5	5.7
	3/5/14	ND<1	0.86 J	69	ND<0.5	ND<1	--	8.2	4.5	ND<2	ND<0.2	--	8.0	ND<1	ND<2	26	ND<1	5.7	ND<20	ND<5	--
DUP	3/5/14	ND<1	0.89 J	72	ND<0.5	ND<1	--	8.5	4.6	ND<2	ND<0.2	--	8.4	ND<1	ND<2	26	ND<1	6.0	ND<20	ND<5	--
	8/11/14	ND<1	0.79 J	70	ND<0.5	ND<1	--	6.0	5.6	1.0 J	ND<0.2	9.9	6.0	ND<1	ND<2	25	ND<1	6.6	ND<20	ND<5	4.3
DUP	8/11/14	ND<1	0.99 J	73	ND<0.5	ND<1	--	6.3	5.0	0.98 J	ND<0.2	10	6.3	ND<1	ND<2	25	ND<1	6.7	ND<20	ND<5	4.3
W18	12/9/11	ND<1	1.2	86	ND<0.5 C	ND<1	3.3	11	ND<1	3.7	0.23	31	5.9	ND<1	ND<2	9.7	ND<1	7.2	ND<20	--	--
	7/3/12	ND<1	1.1	83	ND<0.5	ND<1	ND<1	3.6	ND<2	ND<2	0.35	32	2.9	ND<1	ND<2	9.9	ND<1	7.1	ND<20	ND<25	4.5
	12/26/12	ND<1	ND<1	84	ND<0.5	ND<1	0.15 J	1.1 J	0.86 J	ND<2	0.23	31	2.2	ND<1	ND<2	7.8	ND<1	6.7	ND<20	ND<5	--
	7/11/13[h][i]	ND<1	ND<1	82	ND<0.5	0.11 J	0.65 J	0.95 J	0.46	1.2 J	0.20	30	2.7	ND<1	ND<2	9.4	ND<1	6.7	ND<20	ND<5	2.1 J
	3/3/14	ND<1	0.69 J	82	ND<0.5	ND<1	--	1.6 J	ND<0.41	ND<2	ND<0.2	--	2.6	ND<1	ND<2	9.3	ND<1	6.8	ND<20	ND<5	--
	8/23/14	ND<1	0.58 J	78	ND<0.5	ND<1	--	1.5 J	0.62	0.73 J	0.19 J	33	2.3	ND<1	ND<2	10	ND<1	6.7	ND<20	ND<5	--
W19	6/19/11	ND<1	1.3	38	ND<0.5	ND<1	1.3	**54**	2.2	6.6	ND<0.2	24	91	ND<1	ND<2	6.1	ND<1	10	ND<20	--	--
DUP	6/19/11	ND<1	1.1	38	ND<0.5	ND<1	1.3	44	2.2	5.4	ND<0.2	24	90	ND<1	ND<2	6.3	ND<1	10	ND<20	--	--
	12/8/11	ND<1	1.1	45	ND<0.5	ND<1	ND<1	17	2.8	2.5	ND<0.2	24	22	ND<1	ND<2	6.4	ND<1	8.9	ND<20	--	--
DUP	12/8/11	ND<1	1.2	45	ND<0.5	ND<1	ND<1	18	2.6	2.4	ND<0.2	24	23	ND<1	ND<2	6.5	ND<1	9.3	ND<20	--	--
	6/26/12	ND<1	1.4	42	ND<0.5	ND<1	ND<1	11	2.1	ND<2	ND<0.2	22 B	20	ND<1	ND<2	5.7	ND<1	8.9	ND<20	ND<25	**11**
	12/27/12	0.29 J	1.6	44	ND<0.5	0.18 J	0.65 J	7.3	3.0	1.4 J	ND<0.2	20	13	0.37 J	ND<2	6.4	ND<1	8.7	7.2 JB	ND<5	--
	7/10/13[h][i]	ND<1	1.2	39	ND<0.5	ND<1	0.61 J	3.2	2.3	1.3 J	ND<0.2	23	5.7	ND<1	ND<2	6.0	ND<1	7.8	ND<20	ND<5	**8.3**
	3/3/14	ND<1	0.78 J	38	ND<0.5	ND<1	--	2.4	1.4	0.84 J	ND<0.2	--	16	ND<1	ND<2	7.2	ND<1	6.7	ND<20	ND<5	--
DUP	3/3/14	ND<1	0.82 J	38	ND<0.5	ND<1	--	2.5	1.5	0.86 J	ND<0.2	--	16	ND<1	ND<2	7.4	ND<1	6.8	ND<20	ND<5	--
	8/23/14	ND<1	1.1	40	ND<0.5	ND<1	--	3.2	2.1	0.52 J	ND<0.2	24	8.7	ND<1	ND<2	9.3	ND<1	7.4	ND<20	ND<5	**8.1**
W20	6/4/10	ND<1	1.1	54	ND<0.5	ND<1	0.98 J	9.8	0.28 J	3.3	ND<0.2 C	14	6.9	ND<1	ND<2	41	ND<1	6.3	18	--	--
	6/21/11	ND<1	ND<1	50	ND<0.5	ND<1	1.0	7.6	ND<1	ND<2	ND<0.2	13	10	ND<1	ND<2	39	ND<1	5.8	ND<20	--	--
DUP	6/21/11	ND<1	ND<1 C	60	ND<0.5	ND<1	1.1	6.8	ND<1	ND<2	ND<0.2	15	11	ND<1	ND<2	44	ND<1	6.7	ND<20	--	--
	7/13/12	ND<1 B	2.0	50	ND<0.5	ND<1	ND<1	4.6	ND<2	3.5 B	ND<0.2	13 B	5.4 B	ND<1	ND<2	31	ND<1	6.5	ND<20 B	ND<25	5.2
	12/27/12	ND<1	1.7	50	ND<0.5	0.11 J	0.50 J	8.6	2.0	2.1	ND<0.2	17	10	ND<1	ND<2	31	ND<1	6.1	12 JB	ND<5	--
	7/16/13[h][i]	ND<1	ND<1	46	ND<0.5	ND<1	0.54 J	2.1	0.46	0.87 J	ND<0.2	12	4.9	ND<1	ND<2	28	ND<1	6.5	ND<20	ND<5	4.9

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		**100**	**10**	**1,000**	**4**	**5**	**NE[c]**	**50**	**10**	**1,000**	**2**	**NE**	**100**	**15**	**6**	**50**	**2**	**NE**	**5,000**	**200**	**6**
W20	3/5/14	ND<1	ND<1	50	ND<0.5	ND<1	--	12	8.4	ND<2	0.15 J	--	28	ND<1	0.52 J	28	ND<1	5.4	25	ND<5	--
(cont.)	9/17/14	ND<1	0.50 J	47	ND<0.5	ND<1	--	2.6	0.27 J	1.5 J	ND<0.2	16	6.2	ND<1	ND<2	29	ND<1	6.2	ND<20	ND<5	--
W21	6/13/11	ND<1	**15**	59	ND<0.5	ND<1	ND<1	5.5	ND<1	2.1	ND<0.2	22	2.4	1.4	ND<2	ND<2	ND<1	3.1	ND<20	--	--
	12/6/11	ND<1	**15**	54	ND<0.5	ND<1	3.9	18	ND<1	2.9	ND<0.2	24	22	1.6	ND<2	ND<2	ND<1	3.2	ND<20	--	--
	6/25/12	ND<1	**14**	56	ND<0.5	ND<1	1.4	25	4.1	5.1	ND<0.2	21 B	8.7	5.7	ND<2	ND<2	ND<1	4.1	23	ND<25	ND<4
	12/27/12	ND<1	1.6	32	ND<0.5	0.82 J	0.14 J	2.7	ND<1	0.86 J	ND<0.2	2.3	4.7	1.9	0.38 J	ND<2	ND<1	1.7 J	18 JB	ND<5	--
	7/12/13[h][i]	ND<1	**14**	51	ND<0.5	ND<1	ND<1	ND<2	ND<0.03	ND<2	ND<0.2	18	0.95 J	ND<1	ND<2	0.54 J	ND<1	2.3	ND<20	ND<5	ND<4
	3/5/14	ND<1	**16**	55	ND<0.5	ND<1	--	1.2 J	0.039	ND<2	ND<0.2	--	1.4 J	ND<1	ND<2	0.55 J	ND<1	2.5	ND<20	ND<5	--
	8/11/14	ND<1	**11**	59	ND<0.5	ND<1	--	0.74 J	ND<0.1	ND<2	ND<0.2	12	1.1 J	ND<1	ND<2	ND<2	ND<1	1.9 J	ND<20	ND<5	--
W22	6/23/11	ND<2 RL[o]	8.0	73	ND<1 RL	ND<2 RL	ND<2 RL	**59**	ND<1	4.1	ND<0.2	24	18	2.4	ND<4 RL	15	ND<2 RL	25	ND<40 RL	--	--
	12/13/11	ND<1	3.4	42	ND<0.5 C	1.4	4.3	16	ND<1	2.3	ND<0.2	22	31	ND<1	ND<2	5.8	ND<1	11	ND<20	--	--
	6/28/12	ND<1 B	6.1	58	ND<0.5	ND<1	1.0	34	ND<2	3.0	ND<0.2	20	7.3	1.5	ND<2	11	ND<1	15	ND<20	ND<25	3.6 J
	12/28/12	ND<1	2.9	39	ND<0.5	**3.5**	0.41 J	1.5 J	ND<1	0.65 JB	ND<0.2	19	16	ND<1	ND<2	5.8 B	ND<1	12 B	9.1 JB	ND<5	--
	7/16/13[h][i]	ND<1	2.3	39	ND<0.5	0.68 J	0.31 J	0.93 J	0.028 J	ND<2	ND<0.02	20	6.4	ND<1	ND<2	5.5	ND<1	11	5.6 J	ND<5	1.4 J
	3/5/14	ND<1	2.9	39	ND<0.5	0.58 J	--	0.71 J	0.059	ND<2	ND<0.02	--	4.1	ND<1	ND<2	5.3	ND<1	9.9	ND<20	ND<5	--
	8/26/14	ND<1	3.0	41	ND<0.5	5.6	--	ND<2	ND<0.1	ND<2	ND<0.2	21	14	ND<1	ND<2	5.1	ND<1	9.6	ND<20	ND<5	--
W23	6/13/11	ND<1	2.2	49	ND<0.5	ND<1	ND<1	13	ND<1	2.5	ND<0.2	20	3.9	1.8	ND<2	2.0	ND<1	17	ND<20	--	--
	12/7/11	ND<1	1.9	43	ND<0.5	ND<1	4.1	4.8	ND<1	2.0	ND<0.2	20	4.5	ND<1	ND<2	2.2	ND<1	16	28	--	--
	6/25/12	ND<1	2.3	47	ND<0.5	ND<1	ND<1	9.0	ND<2 H[n]	2.1	ND<0.2	20	2.9	1.0	ND<2	ND<2	ND<1	16	ND<20	ND<25	4.8
	12/28/12	ND<1	2.0	29	ND<0.5	0.14 J	0.20 J	1.7 J	ND<1	0.96 J	ND<0.2	23	2.4	0.20 J	ND<2	ND<2	ND<1	17 B	4.1 JB	ND<5	--
	7/12/13[h][i]	ND<1	1.9	36	ND<0.5	ND<1	0.30 J	ND<2	ND<0.03	0.64 J	ND<0.2	20	1.1 J	ND<1	ND<2	1.6 J	ND<1	15	ND<20	ND<5	2.5 J
	3/6/14	ND<1	2.3	32	ND<0.5	ND<1	--	ND<2	ND<0.03	0.52 J	ND<0.2	--	ND<2	ND<1	ND<2	ND<2	ND<1	17	ND<20	ND<5	--
	8/12/14	ND<1	2.2	29	ND<0.5	ND<1	--	ND<2	0.15	ND<2	ND<0.2	27	1.0 J	ND<1	ND<2	ND<2	ND<1	14	ND<20	ND<5	--
W24	3/11/10	ND<1	**10**	110	ND<0.5 C	0.23 J	8.1	**1,000 B-1**	4.2	12	ND<0.2	21	83	0.79 J	ND<2	19	ND<1	18	ND<10	--	--
	6/3/10	ND<1	6.5	84	ND<0.5	0.27 J	3.7	**480**	4.2	9.0	ND<0.2	22	34	0.72 J	ND<2	18	0.49 J	21	ND<10	--	--
DUP	6/3/10	ND<1	**15**	170	ND<0.5	0.48 J	0.91 J	1.7 J	4.1	5.9	ND<0.2 C	240	5.1	1.0	1.4 J	**92**	1.3	65	40	--	--
	12/10/10	ND<1	**11**	110	ND<0.5	0.38 J	7.5	**1,000**	3.9	12	ND<0.2	22	57	1.0	ND<2	16	ND<1	38	9.1 J	--	--
	12/10/10	ND<1	**14**	120	ND<0.5	0.41 J	9.4	**1,200**	--	13	ND<0.2	22	65	1.1	ND<2	16	ND<1	46	11	--	--
	6/23/11	ND<5 RL	**13**	210	ND<2.5 RL	ND<5 RL	27	**5,200**	3.6	49 B-1	ND<0.2	54	**680**	ND<5 RL	ND<10 RL	27	ND<5 RL	110	ND<100 RL	--	**6.5**
DUP	6/23/11	ND<5 RL	**16**	190	ND<2.5 RL	ND<5 RL	24	**4,800**	3.2	58 B-1	ND<0.2	47	**600**	ND<5 RL	ND<10 RL	21	ND<5 RL	96	ND<100 RL	--	**6.3**
	12/20/11	ND<1	3.2	80	ND<0.5	ND<1	10	**1,600**	3.7	13	ND<0.2	25	**130**	ND<1	ND<2	16	ND<1	93	ND<20	--	--
DUP	12/20/11	ND<1	9.8	110	ND<0.5	ND<1	17	**2,600**	2.6	24	ND<0.2	31	**240**	ND<1	ND<2	15	ND<1	200	ND<20	--	--
	7/11/12	ND<1 B	2.8	79	ND<0.5	ND<1	1.9	**310**	4.5	3.4	ND<0.2	18	38	ND<1	ND<2	18 B	ND<1	10	ND<20	ND<25	**10 J**
	12/28/12	ND<1	ND<1	74	ND<0.5	ND<1	1.2	**150**	4.8	2.5 B	ND<0.2	18	33	ND<1	ND<2	19 B	ND<1	9.2 B	32 B	ND<5	--
DUP	12/28/12	ND<1	ND<1	76	ND<0.5	ND<1	1.4	**180**	4.6	ND<2.9	ND<0.2	18	37	ND<1	ND<2	18	ND<1	9.4	33	ND<5	--

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		**100**	**10**	**1,000**	**4**	**5**	**NE[c]**	**50**	**10**	**1,000**	**2**	**NE**	**100**	**15**	**6**	**50**	**2**	**NE**	**5,000**	**200**	**6**
W24	7/22/13[h][i]	ND<1	1.4	82	ND<0.5	ND<1	0.22 J	10	4.7	ND<2	ND<0.2	19 J	9.4	ND<1	ND<2	19	ND<1	6.7	ND<20	ND<5	**7.4**
DUP	7/22/13	ND<1	1.4	82	ND<0.5	ND<1	0.22 J	8.2	4.8	ND<2	ND<0.2	18 J	8.9	ND<1	0.30	19	ND<1	6.6	6.6 J	ND<5	**8.6**
(cont.)	3/10/14	ND<1	0.53 J	88	ND<0.5	ND<1	--	13 J	0.93	1.2 J	ND<0.2	--	80 B	ND<1	ND<2	13	ND<1	6.2	8.1 J	ND<5	--
DUP	3/10/14	ND<1	ND<1	89	ND<0.5	ND<1	--	7.3 J	0.97	0.93 J	ND<0.2	--	71 B	ND<1	ND<2	13	ND<1	5.6	6.3 J	ND<5	--
	8/13/14	ND<1	ND<1	66	ND<0.5	ND<1	--	4.9	3.7	0.76 J	ND<0.2	19	**240**	ND<1	0.50 J	15	ND<1	6.0	7.9 J	ND<5	**6.8**
W25	6/14/11	ND<1	ND<1	72	ND<0.5	ND<1	ND<1	16	6.4	ND<2	ND<0.2	15	7.5	ND<1	ND<2	6.3	ND<1	5.8	ND<20	--	--
	12/7/11	ND<1	ND<1	70	ND<0.5	ND<1	1.0	9.8	4.1	ND<2	ND<0.2	18	22	2.3	ND<2	7.4	ND<1	5.7	ND<20	--	--
	6/26/12	ND<1	ND<1	69	ND<0.5	ND<1	ND<1	6.1	4.1	7.1	ND<0.2	16 B	8.6	ND<1	ND<2	5.4	ND<1	5.0	46	ND<25	**8.4**
	12/28/12	ND<1	ND<1	67	ND<0.5	0.85 J	0.34 J	6.2	5.0	0.93 JB	ND<0.2	16	5.0	0.78 J	ND<2	6.6 B	ND<1	4.9 B	6.9 JB	ND<5	--
	7/12/13[h][i]	ND<1	ND<1	68	ND<0.5	0.11 J	0.42 J	6.3	5.7	0.94 J	ND<0.2	17	2.5	ND<1	ND<2	6.9	ND<1	5.5	ND<20	ND<5	5.0
	3/6/14	ND<1	0.55 J	67	ND<0.5	ND<1	--	6.3	4.9	0.76 J	ND<0.2	--	8.8	ND<1	ND<2	5.4	ND<1	5.5	23	ND<5	--
	8/12/14	ND<1	0.77 J	64	ND<0.5	ND<1	--	5.5	4.9	ND<2	ND<0.2	16	36	ND<1	ND<2	3.5	ND<1	4.8	36	ND<5	--
W26	2/12/13	ND<1	2.2	24	ND<0.5	ND<1	0.34 J	ND<2	ND<1	0.63 JB	ND<0.2	33 B	2.4	ND<1	ND<2	12	ND<1	2.8	14 J	ND<5	2.0 J
	7/12/13[i]	ND<1	2.0	32	ND<0.5	ND<1	ND<1	1.2 J	0.65	ND<2	ND<0.2	23	2.6	ND<1	ND<2	13	ND<1	3.7	5.5 J	ND<5	2.1 J
	3/4/14	ND<1	0.56 J	55	ND<0.5	ND<1	--	2.4	0.96	ND<2	ND<0.2	--	4.3	ND<1	ND<2	13	ND<1	4.4	20 B	ND<5	--
	8/17/14	ND<1	ND<1	63	ND<0.5	ND<1	--	ND<2	1.0	ND<2	ND<0.2	16	3.2	ND<1	ND<2	15	ND<1	4.8	ND<20	ND<5	--
W27	2/12/13	ND<1	1.9	61	ND<0.5	ND<1	0.58 J	3.7	3.5	0.85 JB	ND<0.2	14 B	2.8	ND<1	ND<2	17	ND<1	5.1	ND<20	ND<5	3.0 J
	7/11/13[i]	ND<1	0.91 J	52	ND<0.5	ND<1	0.84 J	3.5	4.4	1.0 J	ND<0.2	13	3.5	ND<1	ND<2	17	ND<1	4.8	ND<20	ND<5	2.4 J
	3/4/14	ND<1	0.77 J	43	ND<0.5	ND<1	--	4.3	3.1	ND<2	ND<0.2	--	4.7	ND<1	ND<2	16	ND<1	4.4	ND<20	ND<5	--
	8/16/14	ND<1	1.1	45	ND<0.5	ND<1	--	3.8	2.6	0.84 J	ND<0.2	15	4.9	ND<1	ND<2	17	ND<1	4.6	15 J	ND<5	--
W28A	2/11/13	ND<1	2.8	85	ND<0.5	ND<1	0.73 J	ND<2	0.47 J	ND<2	ND<0.2	19 B	4.1	ND<1	ND<2	13	ND<1	3.2	ND<20	ND<5	ND<4
DUP	2/11/13	ND<1	2.7	85	ND<0.5	ND<1	0.69 J	ND<2	0.75 J	ND<2	ND<0.2	19 B	4.0	ND<1	ND<2	13	ND<1	3.3	ND<20	ND<5	ND<4
	7/12/13[i]	ND<1	2.1	80	ND<0.5	ND<1	1.4	ND<2	ND<0.03	ND<2	ND<0.2	24	12	ND<1	ND<2	11	ND<1	3.2	ND<20	ND<5	1.5 J
	3/4/14	ND<1	1.9	70	ND<0.5	ND<1	--	0.56 J	0.39	ND<2	ND<0.2	--	5.7	ND<1	ND<2	13	ND<1	2.2	ND<20	ND<5	--
	8/17/14	ND<1	1.4	68	ND<0.5	ND<1	--	ND<2	ND<0.1	ND<2	ND<0.2	30	11	ND<1	0.53 J	19	ND<1	2.0	53	ND<5	--
W28B	2/11/13	ND<1	1.7	20	ND<0.5	ND<1	0.53 J	ND<2	0.65 J	ND<2	ND<0.2	26 B	2.5	ND<1	ND<2	6.9	ND<1	1.3 J	12 J	ND<5	ND<4
	7/12/13[i]	ND<1	1.2	20	ND<0.5	ND<1	1.1	ND<2	0.28	ND<2	ND<0.2	21	3.3	ND<1	ND<2	10	ND<1	1.6 J	28	ND<5	2.1 J
	3/4/14	ND<1	1.7	37	ND<0.5	ND<1	--	9.5	0.045	2.8 B	ND<0.2	--	9.2	1.1	ND<2	12	ND<1	4.0	45 B	ND<5	--
	8/17/14	ND<1	0.93 J	40	ND<0.5	ND<1	--	ND<2	ND<0.1	ND<2	ND<0.2	18	4.3	ND<1	ND<2	14	ND<1	2.5	ND<20	ND<5	--
W29	2/11/13	ND<1	1.6	47	ND<0.5	ND<1	0.32 J	ND<2	0.58 J	0.52 JB	ND<0.2	19 B	2.8	ND<1	0.49 J	12	ND<1	2.8	59	ND<5	ND<4
	7/12/13[i]	ND<1	1.2	50	ND<0.5	ND<1	0.73 J	ND<2	ND<0.03	ND<2	ND<0.2	15	4.2	ND<1	ND<2	13	ND<1	2.6	19 J	ND<5	3.0 J
	3/14/14	ND<1	1.4	ND<61	ND<0.5	ND<1	--	ND<2	ND<0.14	ND<2	ND<0.2	--	3.8	ND<1	1.0 J	13	ND<1	3.4	ND<20	ND<5	--
	8/28/14	ND<1	ND<1.4	64	ND<0.5	ND<1	--	ND<2	0.21	ND<2	ND<0.2	14	3.8	ND<1	4.8	13	ND<1	3.6	ND<20	ND<5	--
W30	2/8/13	ND<1	1.8	29	ND<0.5	ND<1	0.38 J	ND<2	ND<1	0.84 J	ND<0.2	15	3.5	ND<1	0.32 J	17	ND<1	3.1	96	ND<5	2.5 J
	7/10/13[i]	ND<1	ND<1	54	ND<0.5	ND<1	0.82 J	1.8 J	0.068	1.5 J	ND<0.2	14	6.4	ND<1	ND<2	20	ND<1	5.0	32	ND<5	1.7 J

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		100	10	1,000	4	5	NE[c]	50	10	1,000	2	NE	100	15	6	50	2	NE	5,000	200	6
W30	3/4/14	ND<1	0.79 J	55	ND<0.5	ND<1	--	1.9 J	0.62	0.78 J	ND<0.2	--	3.9	ND<1	ND<2	17	ND<1	5.2	ND<20	ND<5	--
(cont.)	8/16/14	ND<1	0.87 J	61	ND<0.5	ND<1	--	2.1	0.48	ND<2	ND<0.2	15	7.5	ND<1	ND<2	16	ND<1	5.8	5.6 J	ND<5	--
W31	2/12/13	ND<1	1.8	42	ND<0.5	ND<1	0.29 J	ND<2	ND<1	ND<2	ND<0.2	12 B	3.2	ND<1	ND<2	23	ND<1	3.6	5.3 J	ND<5	3.0 J
	7/11/13[i]	ND<1	ND<1	52	ND<0.5	ND<1	0.61 J	1.9 J	0.55	1.1 J	ND<0.2	11	3.4	ND<1	ND<2	23	ND<1	5.0	9.1 J	ND<5	2.1 J
	3/3/14	ND<1	ND<1	56	ND<0.5	ND<1	--	2.9	0.66 J	0.89 J	ND<0.2	--	4.7	ND<1	ND<2	19	ND<1	5.4	ND<20	ND<5	--
	8/23/14	ND<1	ND<1	55	ND<0.5	ND<1	--	2.5	0.77	0.90 J	ND<0.2	12	5.5	ND<1	ND<2	19	ND<1	5.6	6.6 J	ND<5	--
W32	2/11/13	ND<1	1.5	57	ND<0.5	ND<1	0.20 J	1.5 J	2.9	0.50 JB	ND<0.2	14 B	2.8	0.21 J	ND<2	23	ND<1	4.5	ND<20	ND<5	ND<4
DUP	2/11/13	ND<1	1.6	57	ND<0.5	ND<1	0.19 J	1.4 J	1.8	ND<2	ND<0.2	14 B	2.8	ND<1	ND<2	24	ND<1	4.3	ND<20	ND<5	0.99 J
	7/11/13[i]	ND<1	ND<1	58	ND<0.5	ND<1	0.68 J	1.8 J	1.1	1.0 J	ND<0.2	12	3.2	ND<1	ND<2	23	ND<1	5.2	6.0 J	ND<5	3.6 J
DUP	7/11/13[i]	ND<1	ND<1	58	ND<0.5	ND<1	0.68 J	1.8 J	1.1	0.97 J	ND<0.2	12	3.3	ND<1	ND<2	24	ND<1	5.2	6.0 J	ND<5	3.6 J
	3/4/14	ND<1	ND<1	57	ND<0.5	ND<1	--	3.3	1.3	1.1 J	ND<0.2	--	4.8	0.91 J	ND<2	20	ND<1	5.1	ND<20	ND<5	--
DUP	3/4/14	ND<1	0.59 J	58	ND<0.5	ND<1	--	3.2	1.3	0.69 J	ND<0.2	--	4.6	ND<1	ND<2	21	ND<1	5.2	ND<20	ND<5	--
	8/16/14	ND<1	0.60 J	64	ND<0.5	ND<1	--	2.2	1.1	0.91 J	ND<0.2	14	5.2	ND<1	ND<2	21	ND<1	5.9	28	ND<5	--
DUP	8/16/14	ND<1	0.57 J	59	ND<0.5	ND<1	--	1.9 J	1.1	0.91 J	ND<0.2	13	4.3	ND<1	ND<2	19	ND<1	5.5	27	ND<5	--
W33	2/7/13	ND<1	ND<1	35	ND<0.5	ND<1	0.64 J	ND<2	ND<1	0.77 J	ND<0.2	13	4.2	ND<1	ND<2	31	ND<1	3.7	16 J	ND<5	3.4 J
	7/11/13[i]	ND<1	ND<1	38	ND<0.5	ND<1	0.88 J	0.94 J	0.18	1.0	ND<0.2	13	3.6	ND<1	ND<2	32	ND<1	4.5	21	ND<5	3.2 J
DUP	7/11/13[i]	ND<1	ND<1	37	ND<0.5	ND<1	0.89 J	ND<2	0.17	1.1 J	ND<0.2	12	3.5	ND<1	ND<2	30	ND<1	4.4	18 J	ND<5	3.6 J
	3/3/14	ND<1	ND<1	38	ND<0.5	ND<1	--	2.4	ND<0.33	1.1 J	ND<0.2	--	5.3	ND<1	ND<2	24	ND<1	4.9	ND<20	ND<5	--
	8/24/14	ND<1	ND<1	37	ND<0.5	ND<1	--	2.4	0.65	0.63 J	ND<0.2	13	4.9	ND<1	ND<2	23	ND<1	5.4	28	ND<5	--
W34A	2/7/13	ND<1	1.2	55	ND<0.5	ND<1	0.82 J	1.1 J	0.87 J	0.73 J	ND<0.2	22	5.2	ND<1	ND<2	1.7 J	ND<1	3.7	12 J	ND<5	2.2 J
	7/15/13[i]	ND<1	1.0	55	ND<0.5	ND<1	0.94 J	2.0	0.91	1.8 J	ND<0.28	18	5.1	ND<1	ND<2	3.1	ND<1	4.0	7.8 J	ND<5	2.7 J
	3/3/14	ND<1	0.97 J	57	ND<0.5	ND<1	--	1.8 J	1.1 J	1.8 J	ND<0.2	--	7.6	ND<1	ND<2	2.9	ND<1	4.0	ND<20	ND<5	--
	8/24/14	ND<1	0.87 J	58	ND<0.5	ND<1	--	2.0	0.15	0.90 J	0.12 J	21	18	ND<1	ND<2	4.3	ND<1	4.0	9.6 J	ND<5	--
W34B	2/8/13	ND<1	1.9	28	ND<5	ND<1	0.48 J	0.97 J	0.93 J	0.64 J	ND<0.2	24	1.8 J	ND<1	ND<2	7.3	ND<1	4.7	37	ND<5	**8.3**
	7/15/13[i]	ND<1	1.2	33	ND<0.5	ND<1	0.59 J	1.5 J	0.78	1.2	ND<0.2	26	2.9	ND<1	ND<2	7.1	ND<1	4.8	72	ND<5	5.7
	3/3/14	ND<1	1.3	38	ND<0.5	ND<1	--	1.8 J	0.86 J	0.85 J	ND<0.2	--	2.8	ND<1	ND<2	7.0	ND<1	5.4	ND<20	ND<5	--
	8/24/14	ND<1	1.1	40	ND<0.5	ND<1	--	2.3	0.94	0.55 J	ND<0.2	23	2.4	ND<1	ND<2	7.5	ND<1	6.0	13 J	ND<5	--
W35	2/8/13	ND<1	ND<1	31	ND<0.5	ND<1	0.77 J	ND<2	ND<1	1.2 J	ND<0.2	14	3.2	ND<1	ND<2	24	ND<1	2.8	ND<20	ND<5	3.0 J
	7/11/13[i]	ND<1	ND<1	34	ND<0.5	ND<1	0.90 J	1.0 J	0.079	1.1 J	ND<0.2	13	4.1	ND<1	ND<2	28	ND<1	3.7	ND<20	ND<5	3.2 J
	3/3/14	ND<1	0.51 J	38	ND<0.5	ND<1	--	1.6 J	ND<0.067	0.84 J	ND<0.2	--	4.4	ND<1	ND<2	28	ND<1	3.8	ND<20	ND<5	--
	8/23/14	ND<1	ND<1	38	ND<0.5	ND<1	--	1.5 J	0.10	0.70 J	ND<0.2	12	4.4	ND<1	ND<2	30	ND<1	4.0	21	ND<5	--

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		100	10	1,000	4	5	NE[c]	50	10	1,000	2	NE	100	15	6	50	2	NE	5,000	200	6
W36	5/30/13	ND<1	1.5	27	ND<0.5	ND<1	0.24	2.3	0.88	1.0	ND<0.2	19	3.8	ND<1	ND<2	19	ND<1	4.9	ND<20	ND<5	2.5 J
	3/4/14	ND<1	ND<1	29	ND<0.5	ND<1	--	3.5	0.41	1.2 J	ND<0.2	--	6.4	ND<1	ND<2	25	ND<1	4.7	ND<20	ND<5	ND<4
DUP	3/4/14	ND<1	ND<1	30	ND<0.5	ND<1	--	3.7	0.39	0.76 J	ND<0.2	--	5.7	ND<1	ND<2	25	ND<1	5.0	ND<20	ND<5	ND<4
	8/16/14	ND<1	0.81 J	30	ND<0.5	ND<1	--	1.8 J	0.43	0.99 J	ND<0.2	20	5.0	ND<1	ND<2	25	ND<1	5.3	4.3 J	ND<5	--
DUP	8/16/14	ND<1	0.65 J	30	ND<0.5	ND<1	--	1.7 J	0.40	1.1 J	ND<0.2	20	5.2	ND<1	ND<2	26	ND<1	5.4	2.6 J	ND<5	--
W37A	2/8/13	ND<1	1.6	29	ND<0.5	ND<1	0.25 J	ND<2	2.3 J	1.1 J	ND<0.2	23	2.6	ND<1	ND<2	12	ND<1	2.7	24	ND<5	2.3 J
	7/15/13[i]	ND<1	ND<1	42	ND<0.5	ND<1	0.53 J	1.3 J	ND<0.03	1.2 J	ND<0.2	13	3.9	ND<1	ND<2	19	ND<1	2.1	4.0 J	ND<5	2.6 J
	3/3/14	ND<1	0.66 J	62	ND<0.5	ND<1	--	2.1	ND<0.03	1.3 J	ND<0.2	--	4.2	ND<1	ND<2	13	ND<1	3.3	ND<30	ND<5	--
	8/23/14	ND<1	0.66 J	59	ND<0.5	ND<1	--	2.0	ND<0.1	1.2 J	ND<0.2	14	6.7	ND<1	ND<2	18	ND<1	3.1	13 J	ND<5	--
W37B	5/30/13	ND<1	1.1	43	ND<0.5	ND<1	0.30	1.5	1.1	ND<2	ND<0.2	24	1.8	ND<1	ND<2	10	ND<1	6.3	ND<20	ND<5	5.3
	3/3/14	ND<1	1.1	58	ND<0.5	ND<1	--	6.4	3.1	1.8 J	ND<0.2	--	4.8	ND<1	0.60 J	6.6	ND<1	8.0	ND<31	ND<5	5.1
	8/23/14	ND<1	1.0	56	ND<0.5	ND<1	--	2.7	1.4	0.95 J	ND<0.2	23	1.6 J	ND<1	ND<2	9.1	ND<1	7.3	16 J	ND<5	--
W38	2/8/13	ND<1	1.2	23	ND<0.5	ND<1	0.28 J	ND<2	0.90 J	1.3 J	ND<0.2	13	4.2	ND<1	ND<2	21	ND<1	2.7	ND<20	ND<5	3.3 J
	7/15/13[i]	ND<1	ND<1	38	ND<0.5	ND<1	0.70 J	1.7 J	1.2	1.6 J	ND<0.2	14	5.1	ND<1	ND<2	19	ND<1	4.1	12 J	ND<5	2.5 J
	3/3/14	ND<1	0.61 J	33	ND<0.5	ND<1	--	7.0	4.1	1.2 J	ND<0.2	--	7.9	ND<1	ND<2	15	ND<1	4.2	ND<20	ND<5	--
	8/17/14	ND<1	0.61 J	36	ND<0.5	ND<1	--	6.0	1.1	ND<2	ND<0.2	12	5.5	ND<1	ND<2	18	ND<1	4.7	ND<20	ND<5	--
W39A	5/31/13	ND<1	5.1	12	ND<0.5	ND<1	0.20	9.2	9.8	0.70	ND<0.2	58	1.8	1.4	0.49	16	ND<1	11	ND<20	ND<5	--
W39B	2/12/13	ND<1	1.3	39	ND<0.5	ND<1	0.41 J	ND<2	ND<1	0.84 JB	ND<0.2	49 B	3.1	ND<1	0.52 J	14	ND<1	3.4	8.3 J	ND<5	2.9 J
	7/15/13[i]	ND<1	ND<1	42	ND<0.5	0.12 J	0.72 J	1.2 J	0.052	1.8 J	ND<0.2	35	5.3	ND<1	ND<2	20	ND<1	2.8	7.9 J	ND<5	2.4 J
	3/4/14	ND<1	0.92 J	32	ND<0.5	ND<1	--	1.5 J	0.19	1.8 J	ND<0.2	--	6.4	ND<1	ND<2	17	ND<1	2.1	ND<20	ND<5	--
	8/16/14	ND<1	0.98 J	33	ND<0.5	ND<1	--	0.87 J	0.20	ND<2	ND<0.2	21	4.8	ND<1	ND<2	18	ND<1	2.3	19 J	ND<5	--
W40	2/12/13	0.30 J	1.4	35	ND<0.5	0.10 J	0.55 J	1.2 J	0.61 J	0.89 JB	ND<0.2	19 B	2.9	ND<1	ND<2	16	ND<1	4.2	ND<20	ND<5	2.8 J
	7/11/13[i]	ND<1	0.93 J	52	ND<0.5	ND<1	0.81 J	2.3	2.0	1.0 J	ND<0.2	17	3.0	ND<1	ND<2	17	ND<1	5.4	ND<20	ND<5	3.2 J
	3/3/14	ND<1	0.68 J	59	ND<0.5	ND<1	--	4.8	1.7	2.2	ND<0.2	--	8.1	ND<1	ND<2	14	ND<1	5.3	ND<20	ND<5	--
	8/23/14	ND<1	0.71 J	61	ND<0.5	ND<1	--	3.2	2.2	0.55 J	0.14 J	18	3.4	ND<1	ND<2	15	ND<1	5.8	5.2 J	ND<5	--
W41	2/7/13	ND<1	2.2	35	ND<0.5	ND<1	0.59 J	ND<2	0.53 J	ND<2	ND<0.2	44	2.2	0.21 J	ND<2	1.2 J	ND<1	4.5	ND<20	ND<5	ND<4
	7/11/13[i]	ND<1	ND<1	11	ND<0.5	ND<1	0.80 J	16	**16**	ND<2	ND<0.2	34	1.2 J	ND<1	ND<2	1.5 J	ND<1	4.0	ND<20	ND<5	ND<4
	3/3/14	ND<1	1.1	11	ND<0.5	ND<1	--	14	**13 J**	0.54 J	ND<0.2	--	1.7 J	ND<1	ND<2	1.1 J	ND<1	4.7	ND<20	ND<5	--
	8/17/14	ND<1	1.1	19	ND<0.5	ND<1	--	8.3	**11**	ND<2	ND<0.2	35	3.1	ND<1	ND<2	1.4 J	ND<1	5.0	3.0 J	ND<5	--
DUP	8/17/14	ND<1	1.1	17	ND<0.5	ND<1	--	8.6	**10**	ND<2	ND<0.2	34	2.7	ND<1	ND<2	1.4 J	ND<1	5.0	ND<20	ND<5	--
W42	2/12/13	ND<1	1.0	53	ND<0.5	ND<1	0.28 J	6.4	6.4	ND<2	ND<0.2	16 B	2.0	ND<1	ND<2	15	ND<1	4.2	ND<20	ND<5	3.3 J
	7/16/13[i]	ND<1	ND<1	55	ND<0.5	ND<1	0.36 J	14	**13**	0.81 J	ND<0.2	14	4.0	ND<1	ND<2	16	ND<1	5.9	ND<20	ND<5	3.3 J
	3/5/14	ND<1	ND<1	61	ND<0.5	ND<1	--	11	9.8	ND<2	ND<0.2	--	2.6	ND<1	ND<2	15	ND<1	5.4	ND<20	ND<5	--
	8/26/14	ND<1	ND<1	61	ND<0.5	ND<1	--	11	8.0	ND<2	0.10 J	15	3.0	ND<1	ND<2	15	ND<1	5.4	ND<20	ND<5	--

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		**100**	**10**	**1,000**	**4**	**5**	**NE[c]**	**50**	**10**	**1,000**	**2**	**NE**	**100**	**15**	**6**	**50**	**2**	**NE**	**5,000**	**200**	**6**
W43A	2/13/13	ND<1	2.1	39 B	ND<0.5	ND<1	0.24 J	ND<2	ND<1	0.77 J	0.10 J	9.5	3.1	ND<1	ND<2	21	ND<1	3.7	ND<20	ND<5	3.5 J
	7/10/13[i]	ND<1	ND<1	60	ND<0.5	ND<1	0.96 J	0.92 J	0.03	1.3 J	ND<0.2	8.3	4.1	ND<1	ND<2	22	ND<1	5.2	6.4 J	ND<5	2.4 J
	3/5/14	ND<1	1.0	78	ND<0.5	ND<1	--	2.7	0.11	ND<2	ND<0.2	--	5.4	ND<1	ND<2	19	ND<1	5.9	22 B	ND<5	--
	8/27/14	ND<1	0.90 J	69	ND<0.5	ND<1	--	3.1	0.19 J	0.73 J	ND<0.2	11	6.7	ND<1	ND<2	16	ND<1	5.5	18 J	ND<5	--
W43B	2/14/13	0.14 J	1.4	45	ND<0.5	ND<1	1.2	ND<2	ND<1	ND<2	ND<0.2	31	2.1	ND<1	ND<2	5.6	ND<1	3.6	ND<20	ND<5	**6.1**
	7/10/13[i]	ND<1	1.3	11	ND<0.5	ND<1	0.88 J	9.1	9.0	ND<2	ND<0.2	31	2.2	ND<1	ND<2	5.7	ND<1	3.5	ND<20	ND<5	4.8
	3/5/14	ND<1	1.0	110	ND<0.5	ND<1	--	3.7	1.8	ND<2	ND<0.2	--	2.8	ND<1	ND<2	7.0	ND<1	5.3	62 B	ND<5	--
	8/27/14	ND<1	0.83 J	67	ND<0.5	ND<1	--	4.5	3.1 J	0.61 J	ND<0.2	21	2.3	ND<1	ND<2	6.3	ND<1	5.5	ND<20	ND<5	--
W44A	2/13/13	ND<1	2.1	28 B	ND<0.5	ND<1	0.35 J	2.0	1.4	0.81 J	0.12 J	23	5.6	ND<1	ND<2	16	ND<1	3.3	ND<20	ND<5	3.5 J
	7/11/13[i]	ND<1	ND<1	50	ND<0.5	ND<1	1.4	33	**30**	1.3 J	ND<0.2	60	3.5	ND<1	ND<2	3.1	ND<1	8.1	ND<20	ND<5	1.5 J
	9/19/13	ND<1	1.4	92	ND<0.5	ND<1	ND<1	10	9.6	ND<2	ND<0.2	21	ND<2.6	ND<1	ND<2	4.0	ND<1	5.0	65	ND<5	ND<4
	3/4/14	ND<1	1.2	71	ND<0.5	ND<1	--	26	**28**	ND<2	ND<0.2	--	6.1	ND<1	ND<2	17	ND<1	4.8	22 B	ND<5	--
	8/27/14	ND<1	ND<1	75	ND<0.5	ND<1	--	20	**16 J**	0.77 J	ND<0.2	16	6.5	ND<1	ND<2	16	ND<1	6.4	ND<20	ND<5	--
W44B	2/13/13	0.29 J	2.1	36 B	ND<0.5	ND<1	0.54 J	1.9 J	1.6	0.55 J	0.14 J	52	1.9 J	ND<1	0.33 J	6.5	ND<1	2.8	ND<20	ND<5	5.4
DUP	2/13/13	ND<1	1.9	39 B	ND<0.5	ND<1	0.51 J	1.2 J	0.79 J	0.57 J	0.11 J	52	2.0	ND<1	ND<2	6.3	ND<1	2.5	ND<20	ND<5	4.3
	7/11/13[i]	ND<1	ND<1	52	ND<0.5	ND<1	0.88 J	1.8 J	1.2	0.80 J	ND<0.2	28	2.5	ND<1	ND<2	7.7	ND<1	4.0	ND<20	ND<5	**7.7**
DUP	7/11/13[i]	ND<1	0.92 J	53	ND<0.5	ND<1	0.90 J	2.0	1.2	0.88 J	ND<0.2	29	2.6	ND<1	ND<2	7.8	ND<1	4.1	ND<20	ND<5	5.7
	3/4/14	ND<1	ND<1	16	ND<0.5	ND<1	--	23	**25**	0.92 J	ND<0.2	--	2.9 J	ND<1	ND<2	3.9	ND<1	4.2	ND<20	ND<5	--
DUP	3/4/14	ND<1	ND<1	17	ND<0.5	ND<1	--	23	**25**	0.67 J	ND<0.2	--	1.5 J	ND<1	ND<2	4.0	ND<1	4.3	ND<20	ND<5	--
	8/27/14	ND<1	0.52 J	26	ND<0.5	ND<1	--	11	**12**	ND<2	ND<0.2	36	2.5	ND<1	ND<2	6.1	ND<1	4.4	ND<20	ND<5	--
DUP	8/27/14	ND<1	ND<1	25	ND<0.5	ND<1	--	11	**13 J**	ND<2	ND<0.2	36	2.4	ND<1	ND<2	6.0	ND<1	4.4	ND<20	0.003 J	--
W44C	2/13/13	ND<1	1.2	69 B	ND<0.5	ND<1	0.37 J	ND<2	ND<1	ND<2	ND<0.2	28	1.8 J	ND<1	ND<2	5.5	ND<1	3.1	36	ND<5	5.8
	7/11/13	ND<1	ND<1	120	ND<0.5	0.13 J	0.67 J	ND<2	ND<0.03	0.50 J	ND<0.2	51	3.1	ND<1	ND<2	3.6	ND<1	2.4	7.3 J	ND<5	2.7 J
	9/19/13	ND<1	1.3	49	ND<0.5	ND<1	ND<1	1.2 J	ND<0.95	ND<2	ND<0.2	25	ND<2	ND<1	ND<2	5.7	ND<1	6.4	ND<20	ND<5	**6.4**
	3/4/14	ND<1	1.1	47	ND<0.5	ND<1	--	2.4	1.5	ND<2	ND<0.2	--	1.7 J	ND<1	ND<2	5.2	ND<1	5.9	ND<20	ND<5	--
	8/27/14	ND<1	0.95 J	58	ND<0.5	ND<1	--	1.8 J	0.69	0.52 J	ND<0.2	29	2.5	ND<1	ND<2	4.5	ND<1	5.6	ND<20	ND<5	--
W45	2/13/13	ND<1	1.5	34 B	ND<0.5	ND<1	0.59 J	ND<2	ND<1	0.78 J	0.11 J	39	2.6	ND<1	ND<2	6.5	ND<1	1.6 J	4.3 J	ND<5	3.4 J
	7/12/13[i]	ND<1	0.91 J	53	ND<0.5	ND<1	0.72 J	ND<2	0.55	ND<2	ND<0.2	30	2.5	ND<1	ND<2	9.6	ND<1	5.2	ND<20	ND<5	3.5 J
	3/5/14	ND<1	0.92 J	62	ND<0.5	ND<1	--	0.89 J	0.51	ND<2	ND<0.2	--	2.5	ND<1	ND<2	8.3	ND<1	6.5	ND<20	ND<5	--
	8/12/14	ND<1	0.83 J	66	ND<0.5	ND<1	--	ND<2	0.32	ND<2	ND<0.2	28	2.7	ND<1	ND<2	7.4	ND<1	7.0	17 J	ND<5	--
W46	2/14/13	ND<1	1.7	60	ND<0.5	ND<1	0.97 J	ND<2	0.36 J	1.4 J	ND<0.2	16	4.5	ND<1	ND<2	35	ND<1	5.7	ND<20	ND<5	2.2 J
	7/12/13[i]	ND<1	ND<1	55	ND<0.5	ND<1	0.68 J	2.7	1.9	ND<2	ND<0.2	13	4.3	ND<1	ND<2	37	ND<1	8.8	ND<20	ND<5	2.2 J
	3/4/14	ND<1	0.75 J	50	ND<0.5	ND<1	--	3.4	3.2	ND<2	ND<0.2	--	3.5	ND<1	ND<2	45	ND<1	8.2	ND<20	ND<5	--
	8/26/14	ND<1	0.54 J	46	ND<0.5	ND<1	--	3.0	1.1	0.77 J	ND<0.2	15	10	ND<1	ND<2	28	ND<1	6.4	ND<20	ND<5	--

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		**100**	**10**	**1,000**	**4**	**5**	**NE[c]**	**50**	**10**	**1,000**	**2**	**NE**	**100**	**15**	**6**	**50**	**2**	**NE**	**5,000**	**200**	**6**
W47	5/31/13	ND<1	0.94	62	ND<0.5	ND<1	0.27	ND<2	0.57	ND<2	ND<0.2	30	1.7	ND<1	ND<2	9.4	ND<1	5.9	ND<20	ND<5	3.0 J
	3/3/14	ND<1	0.77 J	55	ND<0.5	ND<1	--	3.9	0.59	1.1 J	0.32	--	3.5	ND<1	ND<2	8.2	ND<1	6.0	ND<20	ND<5	ND<4
	8/23/14	ND<1	0.57 J	84	ND<0.5	ND<1	--	0.91 J	0.4	0.55 J	ND<0.2	35	2.1	ND<1	ND<2	12	ND<1	7.4	ND<20	ND<5	--
W48	5/29/13	ND<1	ND<1	46	ND<0.5	ND<1	0.72	2.0	0.79	0.63	ND<0.2	23	2.8	ND<1	ND<2	16	ND<1	3.6	ND<20	ND<5	ND<4
	3/5/14	ND<1	ND<1	71	ND<0.5	ND<1	--	2.3	0.63	4.9	0.12 J	--	4.2	ND<1	ND<2	16	ND<1	3.2	ND<20	ND<5	ND<4
	8/29/14	ND<1	0.75 J	75	ND<0.5	ND<1	--	1.4 J	ND<0.1	ND<2	ND<0.2	23	4.6	ND<1	ND<2	16	ND<1	3.8	14 J	ND<5	--
W49	5/31/13	ND<1	1.3	35	ND<0.5	ND<1	0.29	ND<2	0.63	ND<2	ND<0.2	33	1.1	ND<1	ND<2	6.4	ND<1	5.7	4.2	ND<5	1.8 J
	3/3/14	ND<1	0.97 J	41	ND<0.5	ND<1	--	2.3	0.46	0.52 J	ND<0.2	--	2.6	ND<1	ND<2	6.9	ND<1	5.7	ND<20	ND<5	1.8 J
	8/23/14	ND<1	1.2	44	ND<0.5	ND<1	--	1.5 J	0.53	ND<2	ND<0.2	29	1.7 J	ND<1	ND<2	9.5	ND<1	6.3	ND<20	ND<5	--
W50A	5/30/13	ND<1	ND<1	55	ND<0.5	ND<1	0.45	1.4	0.40	0.68	ND<0.2	12	3.9	ND<1	ND<2	18	ND<1	4.5	ND<20	ND<5	2.8 J
DUP	5/30/13	ND<1	ND<1	55	ND<0.5	ND<1	0.45	1.3	0.51	0.66	ND<0.2	12	4.0	ND<1	ND<2	18	ND<1	4.5	ND<20	ND<5	2.5 J
	3/5/14	ND<1	0.50 J	56	ND<0.5	ND<1	--	1.8 J	0.30	ND<2	ND<0.2	--	4.5	ND<1	ND<2	18	ND<1	4.7	ND<20	ND<5	ND<4
	8/29/14	ND<1	ND<1	60	ND<0.5	ND<1	--	1.8 J	ND<0.1	ND<2	ND<0.2	10	6.6	ND<1	ND<2	21	ND<1	5.6	26	ND<5	--
DUP	8/29/14	ND<1	ND<1	55	ND<0.5	ND<1	--	1.8 J	ND<0.1	ND<2	ND<0.2	9.5	6.3	ND<1	ND<2	20	ND<1	5.1	21	ND<5	--
W50B	5/30/13	ND<1	1.0	56	ND<0.5	ND<1	0.55	2.9	0.58	ND<2	ND<0.2	26	2.9	ND<1	ND<2	6.3	ND<1	4.3	ND<20	ND<5	4.3
	3/5/14	ND<1	1.3	63	ND<0.5	ND<1	--	2.1	0.89	ND<2	0.13 J	--	3.1	ND<1	ND<2	6.2	ND<1	5.1	ND<20	ND<5	ND<4
	8/28/14	ND<1	ND<1.5	60	ND<0.5	ND<1	--	ND<2	0.11	ND<2	ND<0.2	20	1.4 J	ND<1	ND<2	6.7	ND<1	6.4	ND<20	ND<5	--
W51A	5/29/13	ND<1	ND<1	66	ND<0.5	ND<1	0.75	2.9	1.6	0.76	ND<0.2	13	3.6	ND<1	ND<2	24	ND<1	4.9	ND<20	ND<5	ND<4
	3/5/14	ND<1	ND<1	73	ND<0.5	ND<1	--	2.7	1.3	ND<2	ND<0.2	--	3.4	ND<1	ND<2	22	ND<1	5.1	ND<20	ND<5	ND<4
DUP	3/5/14	ND<1	ND<1	73	ND<0.5	ND<1	--	2.8	1.3	0.80 J	ND<0.2	--	4.5	ND<1	ND<2	23	ND<1	5.1	ND<20	ND<5	ND<4
	8/26/14	ND<1	ND<1	66	ND<0.5	ND<1	--	1.8 J	0.16	ND<2	ND<0.2	14	4.1	ND<1	ND<2	21	ND<1	4.6	ND<20	ND<5	--
W51B	5/29/13	ND<1	1.5	18	ND<0.5	ND<1	0.61	0.91	0.52	0.66	ND<0.2	23	3.2	ND<1	ND<2	18	ND<1	2.9	ND<20	ND<5	ND<4
	3/5/14	ND<1	1.3	62	ND<0.5	ND<1	--	1.9 J	0.34	ND<2	ND<0.2	--	3.6	ND<1	ND<2	15	ND<1	4.6	24	ND<5	ND<4
	8/26/14	ND<1	1.1	75	ND<0.5	ND<1	--	1.0 J	0.24	ND<2	ND<0.2	19	3.2	ND<1	ND<2	18	ND<1	4.6	ND<20	ND<5	--
W51C	5/29/13	ND<1	ND<1	47	ND<0.5	ND<1	0.62	2.0	1.3	0.62	ND<0.2	22	2.1	ND<1	ND<2	7.8	ND<1	4.9	13	ND<5	ND<4
	3/5/14	ND<1	0.91 J	52	ND<0.5	ND<1	--	1.2 J	0.38	ND<2	ND<0.2	--	5.2	ND<1	ND<2	6.6	ND<1	5.3	ND<20	ND<5	3.4 J
	8/26/14	ND<1	0.93 J	54	ND<0.5	ND<1	--	ND<2	ND<0.1	ND<2	ND<0.2	21	6.9	ND<1	ND<2	6.3	ND<1	4.7	ND<20	ND<5	--
W52	5/29/13	ND<1	ND<1	44	ND<0.5	ND<1	0.80	2.2	1.1	0.62	ND<0.2	27	3.3	ND<1	ND<2	16	ND<1	2.7	4.0	ND<5	ND<4
	3/4/14	ND<1	0.76 J	51	ND<0.5	ND<1	--	1.6 J	0.26	0.55 J	ND<0.2	--	4.3	ND<1	ND<2	10	ND<1	1.9 J	ND<20	ND<5	ND<4
	8/26/14	ND<1	0.76 J	69	ND<0.5	ND<1	--	1.4 J	0.55	ND<2	ND<0.2	22	3.6	ND<1	ND<2	16	ND<1	3.1	ND<20	ND<5	--
W53A	9/4/13	ND<1	ND<1	42	ND<0.5	ND<1	0.66 J	ND<2	0.041 J	ND<2	ND<0.2	12 J	4.1	ND<1	ND<2	28	ND<1	5.5	ND<20	ND<5	**7.4**
	9/4/13	ND<1	ND<1	41	ND<0.5	ND<1	0.65 J	ND<2	0.13 J	0.87 J	ND<0.2	12 J	3.5	ND<1	ND<2	28	ND<1	5.7	ND<20	ND<5	4.9
	3/14/14	ND<1	1.1	ND<55	ND<0.5	ND<1	--	2.0	ND<0.055	ND<2	ND<0.2	--	3.0	ND<1	ND<2	29	ND<1	6.1	ND<20	ND<5	ND<4
	8/8/14	ND<1	0.58 J	47	ND<0.5	ND<1	--	2.7	0.11	1.2 J	ND<0.2	13	7.4	ND<1	ND<2	26	ND<1	4.9	ND<20	ND<5	4.2

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		100	10	1,000	4	5	NE[c]	50	10	1,000	2	NE	100	15	6	50	2	NE	5,000	200	6
W53B	9/4/13	ND<1	1.0	86	ND<0.5	ND<1	0.41 J	1.8 J	1.9	ND<2	ND<0.2	21 J	2.4	ND<1	ND<2	12	ND<1	8.0	5.9 J	ND<5	**8.3**
	3/14/14	ND<1	1.7	ND<85	ND<0.5	ND<1	--	3.5	2.1	ND<2	ND<0.2	--	1.3 J	ND<1	ND<2	11	ND<1	8.6	ND<20	ND<5	4.3
	8/8/14	ND<1	3.0	69	ND<0.5	ND<1	--	2.9	1.7	0.79 J	ND<0.2	31	2.7	ND<1	0.63 J	15	ND<1	8.1	ND<20	ND<5	**6.0**
W53C	9/4/13	ND<1	1.0	55	ND<0.5	ND<1	0.49 J	0.96 J	1.2	ND<2	0.10 J	20 J	2.5	ND<1	ND<2	10	ND<1	4.8	9.8 J	ND<5	**10**
	3/14/14	ND<1	1.3	ND<63	ND<0.5	ND<1	--	3.1	ND<2	ND<2	ND<0.2	--	1.1 J	ND<1	ND<2	9.2	ND<1	6.1	ND<20	ND<5	5.8
	8/8/14	ND<1	1.0	52	ND<0.5	ND<1	--	5.8	5.9	0.65 J	ND<0.2	22	1.4 J	ND<1	ND<2	7.5	ND<1	5.2	ND<20	ND<5	**7.2**
W54	5/30/13	0.15	ND<1	74	ND<0.5	0.14	1.1	2.7	0.48	0.98	ND<0.2	28	5.1	ND<1	ND<2	27	ND<1	3.7	7.4	ND<5	2.8 J
	3/5/14	ND<1	0.90 J	44	ND<0.5	ND<1	--	1.8 J	0.11	ND<2	ND<0.2	--	4.8	ND<1	ND<2	26	ND<1	1.8 J	ND<20	ND<5	ND<4
	9/17/14	ND<1	0.88 J	57	ND<0.5	ND<1	--	1.8 J	0.34 J	1.1 J	ND<0.2	18	4.5	ND<1	ND<2	21	ND<1	2.4	ND<20	ND<5	--
W55A	9/4/13	ND<1	ND<1	56	ND<0.5	ND<1	0.39 J	ND<2	0.14	ND<2	ND<0.2	22 J	1.9 J	ND<1	ND<2	27	ND<1	6.8	ND<20	ND<5	4.5
	3/14/14	ND<1	1.5	ND<60	ND<0.5	ND<1	--	1.6 J	ND<0.085	ND<2	ND<0.2	--	1.3 J	ND<1	ND<2	26	ND<1	7.0	ND<20	ND<5	2.3 J
	8/11/14	ND<1	1.1	64	ND<0.5	ND<1	--	2.1	ND<0.1	ND<2	ND<0.2	23	2.8	ND<1	ND<2	23	ND<1	6.4	36 J	ND<5	--
W55B	9/5/13	ND<1	0.99 J	67	ND<0.5	ND<1	0.71 J	ND<2	0.65	0.64 J	ND<0.2	23 J	2.7	ND<1	ND<2	6.9	ND<1	5.0	13 J	ND<5	5.6
	3/5/14	ND<1	1.1	77	ND<0.5	ND<1	--	1.6 J	0.36	ND<2	ND<0.2	--	3.5	ND<1	ND<2	6.8	ND<1	5.1	35 B	ND<5	ND<4
	8/11/14	ND<1	1.2	71	ND<0.5	ND<1	--	1.9 J	0.79	ND<2	ND<0.2	26	2.6	ND<1	ND<2	5.7	ND<1	5.8	14 J	ND<5	--
W56A	9/3/13	0.17 J	2.0	87	ND<0.5	ND<1	0.23 J	7.1	5.8	0.67 J	0.12 J	14	2.8	ND<1	ND<2	32	ND<1	7.4	4.9 J	ND<5	**6.6**
	9/3/13	ND<1	1.8	87	ND<0.5	ND<1	0.20 J	6.7	6.2	2.8 J	ND<0.2	13	1.9 J	ND<1	ND<2	31	ND<1	7.5	ND<20	ND<5	**6.8**
	3/14/14	ND<1	1.0	91	ND<0.5	ND<1	--	9.6	3.8	ND<2	ND<0.2	--	5.2	ND<1	ND<2	27	ND<1	8.6	540	ND<5	ND<4
	8/11/14	ND<1	1.0	71	ND<0.5	ND<1	--	4.8	3.4	0.57 J	ND<0.2	18	3.2	ND<1	ND<2	19	ND<1	6.8	140 J	ND<5	4.0
W56B	9/3/13	0.13 J	ND<1	84	ND<0.5	ND<1	0.21 J	1.9 J	1.3	ND<2	0.11 J	17	1.8 J	ND<1	ND<2	13	ND<1	6.0	4.8 J	ND<5	4.8
	3/14/14	ND<1	2.3	ND<62	ND<0.5	ND<1	--	7.8	3.3	ND<4.4	ND<0.2	--	4.8	0.69 J	1.5 J	8.2	ND<1	9.3	ND<32	ND<5	ND<4
	8/11/14	ND<1	0.51 J	81	ND<0.5	ND<1	--	2.3	1.5	0.60 J	ND<0.2	18	2.1	ND<1	ND<2	11	ND<1	7.0	ND<20	ND<5	--
W56C	9/4/13	ND<1	7.5	11	ND<0.5	ND<1	0.25 J	ND<2	ND<0.03	ND<2	ND<0.2	30 J	2.0	ND<1	ND<2	0.81 J	ND<1	ND<2	4.2 J	ND<5	ND<4
	3/14/14	ND<1	6.7	ND<26	ND<0.5	ND<1	--	12	5.7	ND<15	ND<0.2	--	6.5	7.2	3.7	3.1	ND<1	19	ND<100	ND<5	ND<4
	8/11/14	ND<1	6.7	21	ND<0.5	ND<1	--	4.5	0.13	5.3	ND<0.2	39	3.2	1.8	3.6	3.2	ND<1	16	36 J	ND<5	--
W57A	9/5/13	ND<1	ND<1	70	ND<0.5	ND<1	0.93 J	ND<2	0.42	1.1 J	ND<0.2	15 J	3.1	ND<1	ND<2	16	ND<1	5.3	17 J	ND<5	2.8 J
	9/5/13	ND<1	ND<1	69	ND<0.5	ND<1	1.1	ND<2	0.44	0.82 J	0.10 J	15 J	2.8	ND<1	ND<2	16	ND<1	5.2	16 J	ND<5	2.7 J
	3/14/14	ND<1	0.86 J	ND<69	ND<0.5	ND<1	--	1.2 J	ND<0.22	ND<2	ND<0.2	--	3.0	ND<1	1.5 J	15	ND<1	4.5	ND<260	ND<5	ND<4
DUP	3/14/14	ND<1	0.89 J	ND<69	ND<0.5	ND<1	--	1.2 J	ND<0.23	ND<2	ND<0.2	--	3.0	ND<1	1.5 J	15	ND<1	4.7	ND<250	ND<5	ND<4
	8/11/14	ND<1	0.78 J	71	ND<0.5	ND<1	--	1.4 J	0.28	0.99 J	ND<0.2	15	3.5	ND<1	ND<2	18	ND<1	5.4	58 J	ND<5	--
DUP	8/11/14	ND<1	0.83 J	69	ND<0.5	ND<1	--	1.4 J	0.19	0.68 J	ND<0.2	15	3.3	ND<1	ND<2	18	ND<1	5.5	56 J	ND<5	--
W57B	9/5/13	ND<1	0.94 J	65	ND<0.5	ND<1	1.3	0.93 J	0.39	0.88 J	ND<0.2	14 J	3.8	ND<1	ND<2	11	ND<1	4.6	9.2 J	ND<5	2.0 J
	3/14/14	ND<1	1.0	ND<58	ND<0.5	ND<1	--	2.6	ND<0.74	ND<2	ND<0.2	--	3.6	ND<1	ND<2	11	ND<1	5.1	ND<20	ND<5	ND<4
	8/11/14	ND<1	0.80 J	55	ND<0.5	ND<1	--	3.4	1.4	0.72 J	ND<0.2	17	4.0	ND<1	ND<2	11	ND<1	5.3	34 J	ND<5	--

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		**100**	**10**	**1,000**	**4**	**5**	**NE[c]**	**50**	**10**	**1,000**	**2**	**NE**	**100**	**15**	**6**	**50**	**2**	**NE**	**5,000**	**200**	**6**
W57C	9/5/13	ND<1	3.5	54	ND<0.5	ND<1	1.7	16	19	ND<2	0.11 J	63 J	1.6 J	ND<1	2.1	0.64 J	ND<1	6.9	ND<20	ND<5	ND<4
	3/14/14	ND<1	4.2	ND<81	ND<0.5	ND<1	--	2.7	ND<2	ND<2	ND<0.2	--	3.5	ND<1	1.8 J	1.0 J	ND<1	4.3	ND<20	ND<5	--
	8/11/14	ND<1	3.0	63	ND<0.5	ND<1	--	0.70 J	0.076 J	ND<2	ND<0.2	71	2.3	ND<1	1.5 J	1.2 J	ND<1	3.3	ND<20	ND<5	ND<4
W58A	9/5/13	ND<1	1.0	53	ND<0.5	ND<1	1.0	1.5 J	0.24	3.0	ND<0.2	15 J	3.8	ND<1	ND<2	15	ND<1	4.3	ND<20	ND<5	3.3 J
	3/14/14	ND<1	1.2	ND<77	ND<0.5	ND<1	--	3.3	ND<0.29	ND<2	ND<0.2	--	6.6	ND<1	ND<2	15	ND<1	5.8	ND<20	ND<5	ND<4
	8/8/14	ND<1	0.86 J	89	ND<0.5	ND<1	--	2.6	0.53	0.97 J	ND<0.2	15	3.6	ND<1	ND<2	15	ND<1	5.2	ND<20	--	--
W58B	9/5/13	ND<1	2.2	80	ND<0.5	ND<1	0.71 J	16	15	0.90 J	ND<0.2	56 J	2.4	ND<1	1.1 J	5.7	ND<1	15	ND<20	ND<5	2.3 J
	3/14/14	ND<1	1.6	670	ND<0.5	ND<1	--	50	**44**	ND<2	ND<0.2	--	3.4	1.2	0.54 J	3.6	ND<1	12	ND<20	ND<5	--
	8/8/14	ND<1	0.67 J	400	ND<0.5	ND<1	--	37	33	1.1 J	ND<0.2	18	4.0	0.77 J	ND<2	5.3	ND<1	4.4	6.0 J	ND<5	3.2 J
W59	4/29/14	ND<1	5.5	28	ND<0.5	ND<1	ND<1	0.79 J	0.094	ND<2	ND<0.2	29	1.1 J	ND<1	ND<2	7.3	ND<1	ND<2	ND<20	ND<5	4.8
	8/8/14	ND<1	3.7	23	ND<0.5	ND<1	--	33	30	0.97 J	ND<0.2	28	2.9	ND<1	ND<2	5.6	ND<1	4.9	ND<20	ND<5	**21**
W60A	9/19/14	ND<1	1.4	130	ND<0.5	ND<1	ND<1	1.1 J	ND<0.24	ND<2	ND<0.2	14	ND<2.6	ND<1	ND<2	12	ND<1	6.7	ND<20	ND<5	2.9 J
	3/5/14	ND<1	0.78 J	140	ND<0.5	ND<1	--	1.1 J	0.40	ND<2	ND<0.2	--	2.6	ND<1	ND<2	15	ND<1	6.1	ND<20	ND<5	ND<4
DUP	3/5/14	ND<1	0.61 J	140	ND<0.5	ND<1	--	1.1 J	0.39	ND<2	ND<0.2	--	2.7	ND<1	ND<2	15	ND<1	6.1	ND<20	ND<5	ND<4
	8/28/14	ND<1	ND<1.1	130	ND<0.5	ND<1	--	ND<2.2	ND<0.1	ND<2	ND<0.2	17	3.3	ND<1	ND<2	14	ND<1	6.1	ND<20	ND<5	--
DUP	8/28/14	ND<1	ND<1	130	ND<0.5	ND<1	--	ND<2.1	ND<0.1	ND<2	ND<0.2	16	2.5	ND<1	ND<2	14	ND<1	6.8	ND<20	ND<5	--
W60B	3/5/14	ND<1	1.1	74	ND<0.5	ND<1	--	2.9	1.8	ND<2	ND<0.2	--	2.9	ND<1	ND<2	16	ND<1	8.8	ND<20	ND<5	2.9 J
	8/27/14	ND<1	0.96 J	70	ND<0.5	ND<1	--	ND<3.2	0.55 J	ND<2	ND<0.2	19	3.8	ND<1	ND<2	14	ND<1	8.6	ND<20 J	ND<5	4.5
W60C	9/6/13	ND<1	1.3	15 J	ND<0.5	ND<1	0.33 J	ND<2	ND<0.03	ND<2	ND<0.2	26	1.9 J	ND<1	ND<2	4.0	ND<1	4.7	ND<20	ND<5	ND<4
	3/5/14	ND<1	2.7	16	ND<0.5	ND<1	--	2.3	0.83	ND<2	ND<0.2	--	3.4	ND<1	**8.8**	1.9 J	ND<1	2.1	23 B	ND<5	ND<4
	8/28/14	ND<1	ND<1.9	46	ND<0.5	ND<1	--	ND<2	ND<0.1	ND<2	ND<0.2	23	1.5 J	ND<1	ND<2	5.4	ND<1	11	ND<20	ND<5	--
W61	9/19/13	ND<1	1.7	33	ND<0.5	ND<1	0.56 J	ND<2	ND<0.03	ND<2	ND<0.2	15	ND<3.2	ND<1	ND<2	9.4	ND<1	0.96 J	ND<20	ND<5	ND<4
	3/4/14	ND<1	0.89 J	59	ND<0.5	ND<1	--	5.0	ND<0.03	1.2 J	ND<0.2	--	9.1	ND<1	ND<2	15	ND<1	1.1 J	ND<20	ND<5	ND<4
	8/16/14	ND<1	0.79 J	66	ND<0.5	ND<1	--	1.6 J	ND<0.1	ND<2	ND<0.2	15	8.5	ND<1	ND<2	16	ND<1	1.8 J	3.8 J	ND<5	--
W62	9/19/13	ND<1	1.9	60	ND<0.5	ND<1	ND<1	2.6	ND<1.3	ND<2	ND<0.2	16	6.0	ND<1	ND<2	23	ND<1	5.8	5.1 J	ND<5	2.2 J
	3/4/14	ND<1	0.81 J	52	ND<0.5	ND<1	--	2.7	0.99	0.89 J	ND<0.2	--	2.7	ND<1	ND<2	23	ND<1	5.7	ND<20	ND<5	ND<4
	8/16/14	ND<1	0.99 J	54	ND<0.5	ND<1	--	3.9	2.6	ND<2	ND<0.2	17	4.2	ND<1	ND<2	22	ND<1	6.0	19 J	ND<5	--
W63A	9/6/14	ND<1	0.92 J	42 J	ND<0.5	ND<1	0.47 J	7.9	8.7	0.51 J	ND<0.2	19	2.1	ND<1	ND<2	11	ND<1	5.4	ND<20	ND<5	4.7
	3/10/14	ND<1	0.59 J	52	ND<0.5	ND<1	--	11 B	**10**	0.71 J	ND<0.2	--	3.1 B	ND<1	1.4 J	12	ND<1	4.1	6.3 J	ND<5	4.5
	8/12/14	ND<1	ND<1	58	ND<0.5	ND<1	--	7.8	8.7	ND<2	ND<0.2	20	3.1	ND<1	0.66 J	12	ND<1	5.6	10 J	ND<5	--
W63B	9/6/14	ND<1	1.4	69 J	ND<0.5	ND<1	1.0	ND<2	0.28	0.56 J	ND<0.2	22	3.0	ND<1	ND<2	11	ND<1	4.3	5.8 J	ND<5	5.9
	3/10/14	ND<1	0.66 J	78	ND<0.5	ND<1	--	ND<2	0.44	0.72 J	ND<0.2	--	4.2 B	ND<1	ND<2	12	ND<1	5.8	16 J	ND<5	5.3
	8/12/14	ND<1	0.70 J	77	ND<0.5	ND<1	--	ND<2	0.60	ND<2	ND<0.2	20	2.6	ND<1	ND<2	11	ND<1	6.0	ND<20	ND<5	--

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		**100**	**10**	**1,000**	**4**	**5**	**NE[c]**	**50**	**10**	**1,000**	**2**	**NE**	**100**	**15**	**6**	**50**	**2**	**NE**	**5,000**	**200**	**6**
W63C	9/6/14	ND<1	1.9	17 J	ND<0.5	ND<1	0.63 J	ND<2	ND<0.03	0.53 J	ND<0.2	22	2.9	ND<1	ND<2	11	ND<1	3.1	8.3 J	ND<5	5.2
	3/10/14	ND<1	1.3	6.7	ND<0.5	ND<1	--	16 B	**16**	2.3	ND<0.2	--	ND<2	ND<1	**6.7**	3.9	ND<1	8.7	12 J	ND<5	2.0 J
	8/12/14	ND<1	0.87 J	50	ND<0.5	ND<1	--	ND<2	ND<0.1	ND<2	ND<0.2	19	3.3	ND<1	0.90 J	11	ND<1	4.3	11 J	ND<5	--
W64A	3/6/14	ND<1	ND<1	71	ND<0.5	ND<1	--	6.1	4.2	0.87 J	ND<0.2	--	6.4	ND<1	ND<2	20	ND<1	6.1	ND<20	ND<5	5.0
DUP	3/6/14	ND<1	ND<1	75	ND<0.5	ND<1	--	5.9	4.1	0.69 J	ND<0.2	--	6.3	ND<1	ND<2	20	ND<1	6.2	ND<20	ND<5	5.4
	8/18/14	ND<1	0.60 J	75	ND<0.5	ND<1	--	6.1	4.7	1.4 J	ND<0.2	9.4	6.1	ND<1	ND<2	20	ND<1	6.2	18 J	ND<5	--
W64B	3/6/14	ND<1	2.1	43	ND<0.5	ND<1	--	2.4	ND<0.03	0.69 J	ND<0.2	--	7.0	ND<1	ND<2	12	ND<1	3.3	ND<20	ND<5	5.5
	8/18/14	ND<1	1.1	43	ND<0.5	ND<1	--	4.9	3.9	ND<2	ND<0.2	8.8	4.1	ND<1	ND<2	13	ND<1	7.0	16 J	ND<5	4.2
DUP	8/18/14	ND<1	1.2	43	ND<0.5	ND<1	--	4.9	4.1	ND<2	ND<0.2	8.7	3.1	ND<1	ND<2	13	ND<1	6.9	4.3 J	ND<5	4.4
W64C	3/6/14	ND<1	0.71 J	61	ND<0.5	ND<1	--	0.91 J	0.18	0.75 J	ND<0.2	--	4.0	ND<1	ND<2	8.5	ND<1	3.5	9.8 J	ND<5	**6.0**
	8/18/14	ND<1	0.84 J	68	ND<0.5	ND<1	--	0.77 J	0.15	0.56 J	ND<0.2	16	4.2	ND<1	ND<2	7.7	ND<1	3.4	33	ND<5	5.2
W65A	3/6/14	ND<1	1.5	50	ND<0.5	ND<1	--	13	0.078	0.87 J	ND<0.2	--	12	ND<1	ND<2	19	ND<1	3.8	12 J	ND<5	4.3
	8/13/14	ND<1	1.2	54	ND<0.5	ND<1	--	ND<2	ND<0.1	ND<2	ND<0.2	13	2.8	ND<1	ND<2	21	ND<1	5.1	ND<20	ND<5	5.2
W65B	3/6/14	ND<1	0.91 J	68	ND<0.5	ND<1	--	2.0 B	1.1	0.50 J	ND<0.2	--	2.5 B	ND<1	ND<2	14	ND<1	7.2	ND<20	ND<5	3.7 J
	8/13/14	ND<1	1.2	66	ND<0.5	ND<1	--	4.6	3.0	ND<2	ND<0.2	21	2.0	ND<1	ND<2	14	ND<1	8.5	ND<20	ND<5	3.6 J
W65C	3/6/14	ND<1	1.5	79	ND<0.5	ND<1	--	ND<2	0.042	0.73 J	ND<0.2	--	3.1 B	ND<1	2.6	4.2	ND<1	ND<2	260	ND<5	1.2 J
	8/13/14	ND<1	0.94 J	93	ND<0.5	ND<1	--	ND<2	0.34	ND<2	ND<0.2	21	3.9	ND<1	ND<2	9.3	ND<1	4.8	78	ND<5	3.9 J
W66A	4/28/14	ND<1	4.5	21	ND<0.5	ND<1	ND<1	2.0	0.052	ND<2	ND<0.2	40	3.2	ND<1	ND<2	8.0	ND<1	5.7	ND<20	ND<5	2.4 J
	8/26/14	ND<1	1.3	24	ND<0.5	ND<1	--	7.2	1.8	0.51 J	ND<0.2	6.5	2.6	ND<1	ND<2	9.7	ND<1	2.9	ND<20	ND<5	2.5 J
DUP	8/26/14	ND<1	1.3	23	ND<0.5	ND<1	--	6.9	1.7	ND<2	ND<0.2	6.1	2.5	ND<1	ND<2	9.6	ND<1	2.8	ND<20	ND<5	2.5 J
W66B	4/28/14	ND<1	5.8	82	ND<0.5	ND<1	1.1	2.0	ND<0.03	ND<2	ND<0.2	30	2.6	ND<1	ND<2	4.9	ND<1	ND<2	ND<20	ND<5	2.5 J
	8/26/14	ND<1	1.5	71	ND<0.5	ND<1	--	2.8	ND<0.1	ND<2	ND<0.2	19	6.9	ND<1	ND<2	11	ND<1	1.7 J	ND<20	ND<5	4.5
W66C	4/28/14	ND<1	1.2	90	ND<0.5	ND<1	ND<1	0.89 J	ND<0.03	ND<2	ND<0.2	45	2.4	ND<1	ND<2	3.5	ND<1	2.3	160	ND<5	4.8
	8/26/14	ND<1	1.2	99	ND<0.5	ND<1	--	ND<2	ND<0.1	ND<2	ND<0.2	43	1.4 J	ND<1	ND<2	4.4	ND<1	2.0	520	ND<5	3.8 J
W67A	3/6/14	ND<1	0.81 J	230	ND<0.5	ND<1	--	ND<2	0.67	ND<2	ND<0.2	--	2.0 B	ND<1	ND<2	3.4	ND<1	1.9 J	ND<20	ND<5	--
	8/18/14	ND<1	1.2	110	ND<0.5	ND<1	--	ND<2	ND<0.1	ND<2	ND<0.2	30	ND<2	ND<1	ND<2	2.5	ND<1	2.2	ND<20	ND<5	5.9
W67B	3/6/14	ND<1	0.91 J	73	ND<0.5	ND<1	--	ND<2	ND<0.03	0.92 J	ND<0.2	--	3.9 B	ND<1	ND<2	3.7	ND<1	4.8	190	ND<5	--
	8/18/14	ND<1	1.2	63	ND<0.5	ND<1	--	2.0	0.30	ND<2	ND<0.2	16	1.9	ND<1	ND<2	4.3	ND<1	6.8	4.9	ND<5	**7.6**
W67C	3/6/14	ND<1	**23**	74	ND<0.5	ND<1	--	2.0	ND<0.03	1.3 J	ND<0.2	--	4.6	ND<1	0.57 J	2.5	ND<1	49	8.6 JB	ND<5	--
	8/18/14	ND<1	**23**	74	ND<0.5	ND<1	--	ND<2	ND<0.1	ND<2	ND<0.2	56	2.6	ND<1	0.52	2.9	ND<1	150	8.4	ND<5	**6.4**
W68A	3/6/14	ND<1	0.97 J	60	ND<0.5	ND<1	--	5.3 B	5.8	0.77 J	ND<0.2	--	4.2 B	ND<1	ND<2	4.8	ND<1	5.2	ND<20	ND<5	**19**
W68B	3/5/14	ND<1	2.9	11	ND<0.5	ND<1	--	ND<2	0.074	ND<2	ND<0.2	--	3.1	ND<1	1.8 J	2.8	ND<1	2.8	37 B	ND<5	**10**
	8/13/14	ND<1	3.6	10	ND<0.5	ND<1	--	1.4 J	0.18	0.75 J	ND<0.2	32	2.1	ND<1	ND<2	2.3	ND<1	4.8	16 J	ND<5	**8.5**
W69A	3/6/14	ND<1	0.87 J	65	ND<0.5	ND<1	--	6.4	4.2	0.65 J	ND<0.2	--	5.9	ND<1	ND<2	14	ND<1	8.5	ND<20	ND<5	**7.8**
	8/18/14	ND<1	0.90 J	63	ND<0.5	ND<1	--	6.7	7.3	ND<2	ND<0.2	21	4.1	ND<1	ND<2	10	ND<1	8.0	11 J	ND<5	**8.6**

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		100	10	1,000	4	5	NE[c]	50	10	1,000	2	NE	100	15	6	50	2	NE	5,000	200	6
W69B	3/6/14	ND<1	1.1	44	ND<0.5	ND<1	--	0.91 J	0.065	1.3 J	ND<0.2	--	6.4	ND<1	ND<2	3.6	ND<1	4.4	190	ND<5	**7.1**
	8/18/14	ND<1	1.1	52	ND<0.5	ND<1	--	1.1 J	0.58	6.6	ND<0.2	15	5.3	ND<1	ND<2	3.8	ND<1	4.6	170	ND<5	**6.1**
W69C	3/6/14	ND<1	5.2	33	ND<0.5	ND<1	--	7.8	0.31	1.4 J	ND<0.2	--	2.6	ND<1	ND<2	1.2 J	ND<1	1.5 J	7.0 J	ND<5	ND<4
	8/18/14	ND<1	0.81	49	ND<0.5	ND<1	--	26	26	0.77	ND<0.2	44	1.6	ND<1	0.83	1.7	ND<1	ND<2	5.8	ND<5	1.0
W70A	4/28/14	ND<1	3.2	15	ND<0.5	ND<1	ND<1	1.6 J	0.13	0.56 J	ND<0.2	26	2.5	ND<1	ND<2	16	ND<1	5.7	ND<33	6.4	2.2 J
	8/19/14	ND<1	2.9	17	ND<0.5	ND<1	--	0.65 J	ND<0.1	ND<2	ND<0.2	25	3.3	ND<1	ND<2	16	ND<1	4.9	39	ND<5	3.0 J
W70B	4/28/14	ND<1	0.87 J	23	ND<0.5	ND<1	0.78 J	2.6	ND<0.03	ND<2	ND<0.2	28	4.3	ND<1	ND<2	4.4	ND<1	ND<2	170	ND<5	2.7 J
	8/19/14	ND<1	1.3	27	ND<0.5	ND<1	--	2.9	ND<0.1	0.65 J	ND<0.2	29	6.1	ND<1	ND<2	5.2	ND<1	1.1 J	250	ND<5	2.7 J
W70C	4/28/14	ND<1	3.0	38	ND<0.5	ND<1	ND<1	3.4	ND<0.03	0.78 J	ND<0.2	29	3.1	ND<1	ND<2	0.60 J	ND<1	6.0	ND<20	ND<5	1.3 J
DUP	4/28/14	ND<1	2.9	37	ND<0.5	ND<1	ND<1	3.2	ND<0.03	ND<2	ND<0.2	28	2.4	ND<1	ND<2	0.55 J	ND<1	5.8	ND<20	ND<5	1.5 J
	8/19/14	ND<1	3.6	39	ND<0.5	ND<1	--	1.1 J	ND<0.1	ND<2	ND<0.2	28	3.2	ND<1	ND<2	0.65 J	ND<1	5.9	ND<20	ND<5	1.8 J
W71A	4/28/14	ND<1	6.9	34	ND<0.5	ND<1	ND<1	0.65 J	ND<0.03	0.74 J	ND<0.2	61 J	1.7 J	ND<1	ND<2	2.3	ND<1	ND<2	ND<20	ND<5	ND<4
	8/29/14	ND<1	2.6	29	ND<0.5	ND<1	--	0.89 J	ND<0.1	ND<2	ND<0.2	39	2.4	ND<1	ND<2	9.9	ND<1	ND<2	13 J	ND<5	1.7 J
DUP	8/29/14	ND<1	2.4	29	ND<0.5	ND<1	--	0.72 J	ND<0.1	ND<2	ND<0.2	39	2.4	ND<1	ND<2	10	ND<1	ND<2	8.2 J	ND<5	1.7 J
W71B	4/28/14	ND<1	0.86 J	40	ND<0.5	ND<1	1.1	1.0 J	0.48	0.76 J	ND<0.2	18 J	2.4	ND<1	ND<2	7.9	ND<1	3.8	ND<20	ND<5	2.6 J
	8/19/14	ND<1	1.3	45	ND<0.5	ND<1	--	1.4 J	0.28	ND<2	ND<0.2	19	3.2	ND<1	ND<2	8.5	ND<1	4.2	ND<20	ND<5	3.1 J
W71C	4/28/14	ND<1	1.9	41	ND<0.5	ND<1	0.51 J	ND<2	0.14	0.73 J	ND<0.2	17 J	1.9 J	ND<1	ND<2	4.0	ND<1	4.1	99 J	ND<5	5.0
	8/18/14	ND<1	3.3	40	ND<0.5	ND<1	--	0.5	ND<0.1	ND<2	ND<0.2	19	1.7	ND<1	ND<2	2.5	ND<1	2.8	140	ND<5	3.1
W72A	4/28/14	ND<1	0.86 J	67	ND<0.5	ND<1	0.98 J	0.56 J	0.038	0.79 J	ND<0.2	51 J	3.7	ND<1	ND<2	8.5	ND<1	2.0	ND<20	ND<5	4.7
	8/24/14	ND<1	1.3	62	ND<0.5	ND<1	--	1.1 J	ND<0.1	ND<2	ND<0.2	34	3.3	ND<1	ND<2	11	ND<1	4.1	ND<20	ND<5	3.1 J
W72B	4/28/14	ND<1	0.98 J	89	ND<0.5	ND<1	0.86 J	1.6 J	0.74	0.81 J	ND<0.2	30 J	2.6	ND<1	ND<2	5.0	ND<1	4.7	ND<20	ND<5	**7.0**
	8/24/14	ND<1	0.80 J	84	ND<0.5	ND<1	--	2.3	1.3	ND<2	ND<0.2	26	1.5 J	ND<1	ND<2	5.5	ND<1	6.5	ND<20	ND<5	**7.2**
W72C	4/28/14	ND<1	1.3	33	ND<0.5	ND<1	0.60 J	32	**33**	13 J	ND<0.2	45 J	0.82 J	ND<1	ND<2	2.4	ND<1	2.5	ND<20	ND<5	ND>4
	8/24/14	ND<1	0.59 J	90	ND<0.5	ND<1	--	30	**27**	ND<2	ND<0.2	30	1.1 J	ND<1	ND<2	3.3	ND<1	1.7 J	ND<20	ND<5	1.9 J
W73A	5/2/14	ND<1	1.2	49	ND<0.5	ND<1	--	ND<2	0.10	ND<2	ND<0.2	--	1.9 J	ND<1	ND<2	1.1 J	ND<1	5.0	ND<20	ND<5	ND<4
	8/24/14	ND<1	1.7	61	ND<0.5	ND<1	--	0.96 J	ND<0.1	ND<2	ND<0.2	48	1.9 J	ND<1	ND<2	0.86 J	ND<1	5.9	3.0 J	ND<5	ND<4
W73B	5/2/14	ND<1	3.8	58	ND<0.5	ND<1	--	1.5 J	ND<0.03	ND<2	ND<0.2	--	3.9	ND<1	ND<2	4.8	ND<1	1.1 J	6.2 J	ND<5	ND<4
	8/24/14	ND<1	13	22	ND<0.5	ND<1	--	1.0 J	ND<0.1	ND<2	ND<0.2	24	1.3 J	ND<1	ND<2	ND<2	ND<1	ND<2	ND<20	ND<5	**7.5**
W74A	7/1/14	ND<1	1.6	41	ND<0.5	ND<1	ND<1	1.6 J	0.30	ND<2	ND<0.2	17	2.8	ND<1	ND<2	13	ND<1	6.6	ND<20	ND<5	3.8 J
	8/27/14	ND<1	1.3	54	ND<0.5	ND<1	--	ND<2	ND<0.10 J	ND<2	ND<0.2	19	4.6	ND<1	ND<2	13	ND<1	5.9	ND<20	ND<5	3.6 J
W74B	7/1/14	ND<1	1.1	53	ND<0.5	ND<1	0.74 J	1.5 J	0.14	ND<2	ND<0.2	28	5.0	ND<1	ND<2	6.8	ND<1	3.0	30	ND<5	2.9 J
	8/27/14	ND<1	1.3	41	ND<0.5	ND<1	--	ND<2	0.056 J	ND<2	ND<0.2	28	3.8	ND<1	ND<2	6.7	ND<1	2.9	ND<20	ND<5	2.6 J
W75A	7/1/14	ND<1	0.93 J	43	ND<0.5	ND<1	0.91 J	1.0 J	ND<0.1	ND<2	ND<0.2	18	6.8	ND<1	ND<2	12	ND<1	2.7	ND<20	ND<5	4.8
DUP	7/1/14	ND<1	0.89 J	39	ND<0.5	ND<1	0.90 J	0.91 J	ND<0.1	ND<2	ND<0.2	17	6.9	ND<1	ND<2	12	ND<1	2.5	ND<20	ND<5	5.0
	8/19/14	ND<1	0.92 J	45	ND<0.5	ND<1	--	0.59 J	ND<0.1	0.65 J	ND<0.2	29	14	ND<1	ND<2	19	ND<1	2.8	ND<20	ND<5	3.4 J

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		**100**	**10**	**1,000**	**4**	**5**	**NE[c]**	**50**	**10**	**1,000**	**2**	**NE**	**100**	**15**	**6**	**50**	**2**	**NE**	**5,000**	**200**	**6**
W75B	7/1/14	ND<1	ND<1	56	ND<0.5	ND<1	1.0	1.0 J	ND<0.1	ND<2	ND<0.2	24	4.7	ND<1	ND<2	12	ND<1	3.1	ND<20	ND<5	5.1
	8/27/14	ND<1	0.52 J	54	ND<0.5	ND<1	--	ND<2	ND<0.1 J	ND<2	ND<0.2	19	4.3	ND<1	ND<2	12	ND<1	4.0	ND<20	ND<5	5.3
W75C	7/1/14	ND<1	0.70 J	67	ND<0.5	ND<1	1.0	1.5 J	0.41	ND<2	ND<0.2	18	4.0	ND<1	ND<2	12	ND<1	5.2	ND<20	ND<5	5.2
	8/27/14	ND<1	0.95 J	68	ND<0.5	ND<1	--	ND<2	0.13 J	ND<2	ND<0.2	19	4.4	ND<1	ND<2	12	ND<1	5.2	ND<20	ND<5	5.0
EW1	6/25/08	ND<20	ND<20	81	ND<5	ND<5	ND<5	**51**	**10**	ND<10	ND<0.2	ND<10	43	ND<10	ND<20	ND<20	ND<100	ND<10	ND<40	--	3.0
	7/16/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.1	--	--	--	--	--
	4/8/09	0.0201	2.2	--	ND<1	ND<1	--	44 B	**12**	5.5	0.091	--	23	0.261	ND<1	8.8	0.0542	--	205	ND<0.016	ND<2
	3/10/10	ND<1	1.7	130	0.18 J	ND<1	4.1	24	8.6	6.4	0.29	6.1	12	3.5	ND<2	11	ND<1	17	15	--	NS
	12/8/10	0.13 J	1.1	110	ND<0.5	ND<1	3.1	23	1.5	4.9	ND<0.2	16	9.9	0.76 J	ND<2	24	ND<1	9.7	8.5 J	--	ND<4
	6/17/11	ND<1	1.3	96	ND<0.5	ND<1	2.8	28	4.0	4.8	ND<0.2	12	15	ND<1	ND<2	12	ND<1	11	ND<20	--	ND<4
	12/14/11	ND<1	ND<1	120	ND<0.5 C	ND<1	2.8	29	1.4	5.0	ND<0.2	18	12	1.6	ND<2	19	ND<1	8.1	ND<20 C	--	4.1
	7/6/12	ND<1	ND<1	92	ND<0.5	ND<1	ND<1	5.0	2.9	ND<2	ND<0.2	14	ND<2	ND<1	ND<2	18	ND<1	5.5	ND<20	ND<25	5.2
DUP	7/6/12	ND<1	ND<1	92	ND<0.5	ND<1	ND<1	3.5	--	ND<2	ND<0.2	14	ND<2	ND<1	ND<2	18	ND<1	5.6	ND<20	ND<25	4.6
	2/15/13[h][p]	ND<1	0.99 J	68	ND<0.5	ND<1	1.9	9.2	9.6 H	0.96 J	ND<0.2	13	1.9 J	ND<1	ND<2	7.3	ND<1	5.1	ND<20	ND<5	--
DUP	2/15/13[p]	ND<1	1.1	69	ND<0.5	ND<1	2.0	9.3	9.5 H	ND<2	ND<0.2	13	1.8 J	ND<1	ND<2	7.4	ND<1	5.1	ND<20	ND<5	--
	7/11/13[i]	ND<1	1.0	71	ND<0.5	ND<1	1.7	12	8.5	0.81 J	ND<0.2	10	4.5	ND<1	ND<2	8.5	ND<1	5.1	ND<20	ND<5	2.8 J
DUP	7/11/13[i]	ND<1	ND<1	72	ND<0.5	ND<1	1.7	10	8.2	0.71 J	ND<0.2	10	2.7	ND<1	ND<2	8.7	ND<1	5.2	ND<20	ND<5	2.4 J
	3/6/14	ND<1	ND<1	77	ND<0.5	ND<1	--	19	7.0	0.63 J	ND<0.2	--	12	ND<1	ND<2	7.1	ND<1	5.5	ND<20	ND<5	--
DUP	3/6/14	ND<1	0.65 J	79	ND<0.5	ND<1	--	18	6.1	0.56 J	ND<0.2	--	11	ND<1	ND<2	7.5	ND<1	5.5	ND<20	ND<5	--
	8/12/14	ND<1	0.65 J	74	ND<0.5	ND<1	--	8.6	7.1	ND<2	ND<0.2	13	4.2	ND<1	ND<2	14	ND<1	5.1	19 J	ND<5	--
DUP	8/12/14	ND<1	0.66 J	75	ND<0.5	ND<1	--	8.5	7.1	ND<2	ND<0.2	14	3.7	ND<1	ND<2	14	ND<1	5.0	5.0 J	ND<5	--
EW2	6/25/08	ND<20	ND<20	80	ND<5	ND<5	ND<5	43	3.3	14	ND<0.2	ND<10	30	ND<10	ND<20	ND<20	ND<100	ND<10	ND<40	--	**7.2**
	7/16/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21	--	--	--	--	--
	4/8/09	ND<1	4.7	--	ND<1	ND<1	--	**1,010 B**	5.7	72	ND<0.5	--	**267**	ND<1	ND<1	19	ND<1	--	196	ND<0.01	2.1
	3/10/10	ND<1	1.4	79	ND<0.5	ND<1	1.6	**110**	5.4	8.9	ND<0.2	20	62	0.30 J	ND<2	19	0.21 J	12	6.4 J	--	--
	12/8/10	0.34 J	5.8	130	0.11 J	0.21 J	40	**440**	2.3	15	ND<0.2	25	**110**	1.5	ND<2	21	ND<1	20	12	--	**7.0**
	6/21/11	ND<1	**19**	230	ND<0.5	ND<1	89	**8,100**	1.8	140	0.37	49	**1,000**	2.9	ND<2	21	ND<1	93	28	--	4.8
	12/23/11	ND<1	9.7	130	ND<0.5	ND<1	14	**870**	5.7	23	ND<0.2	26	**320**	1.5	ND<2	22	ND<1	42	ND<20	--	**6.5**
	7/11/12	ND<1 B	1.6	78	ND<0.5	ND<1	ND<1	**160**	6.0	11	ND<0.2	22	16	ND<1	ND<2	19 B	ND<1	7.6	ND<20	ND<25	**9.8**
	12/28/12	ND<1	ND<1	74	ND<0.5	ND<1	0.24 J	20	6.5	1.6 JB	ND<0.2	20	4.5	ND<1	ND<2	20 B	ND<1	7.1 B	6.0 JB	ND<5	--
	2/15/13[h][p]	ND<1	1.6	84	ND<0.5	ND<1	2.0	**170**	6.8	5.1 B	--	19	42	ND<1	ND<2	19	ND<1	11	ND<20	ND<5	--
	2/15/13[p]	ND<1	1.4	78	ND<0.5	ND<1	0.13 J	6.3	--	ND<2	ND<0.2	21	19	ND<1	ND<2	19	ND<1	6.9	ND<20	--	--
	7/10/13[i]	ND<1	3.0	98	ND<0.5	ND<1	3.5	**340**	4.6	12	0.14 J	26	48	0.59 J	ND<2	20	ND<1	14	ND<20	ND<5	**6.7**
	3/5/14	ND<1	ND<1	76	ND<0.5	ND<1	--	9.3	1.3	ND<2	ND<0.2	--	340	ND<1	ND<2	17	ND<1	3.1	95 B	ND<5	**--**
	8/13/14	ND<1	ND<1	71	ND<0.5	ND<1	--	3.8	ND<0.1	1.3 J	ND<0.2	17	**3,200**	ND<1	ND<2	14	ND<1	2.9	85	ND<5	**8.2**

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		**100**	**10**	**1,000**	**4**	**5**	**NE[c]**	**50**	**10**	**1,000**	**2**	**NE**	**100**	**15**	**6**	**50**	**2**	**NE**	**5,000**	**200**	**6**
EW3	6/25/08	ND<20	ND<20	81	ND<5	ND<5	ND<5	181	**16**	23	ND<0.2	ND<10	**125**	ND<10	ND<20	ND<20	ND<100	ND<10	ND<40	--	3.4
	7/16/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.3	--	--	--	--	NS
	4/8/09	ND<1	3.4	--	ND<1	ND<1	--	28 B	3.8	7.3	ND<0.5	--	14	ND<1	ND<1	24	ND<1	--	244	ND<0.037	ND<2
	3/10/10	ND<1	1.2	120	0.44 J	ND<1	1.8	**58**	3.1	13	0.23	11	18	9.6	0.30 J	22	ND<1	11	32	--	NS
	12/8/10	ND<1	1.7	86	ND<0.5	ND<1	3.7	**200**	ND<1	37	0.13 J	15	72	0.69 J	ND<2	26	ND<1	4.9	4.3 J	--	4.1
	6/23/11	ND<2 RL[o]	ND<2 RL	100 M1[q]	1.0	ND<2 RL	3.7	**290 M1**	ND<1	41 B-1	ND<0.2	21	52	2.8	ND<4 RL	28	ND<2 RL	9.8	ND<40 RL	--	ND<4
	12/20/11	ND<1	9.6	150	ND<0.5	ND<1	10	**3,800**	ND<1	310	ND<0.2	51	**220**	2.3	ND<2	22	ND<1	ND<2	ND<20	--	ND<4
	7/9/12	ND<1	1.6	91	ND<0.5	ND<1	1.4	**600**	2.5	71	ND<0.2	20	49	ND<10 B	ND<2	20	ND<1	34	ND<20	ND<25	ND<4
	2/15/13[h][p]	0.38 J	1.3	82	ND<0.5	ND<1	0.43 J	2.3	1.6 H	8.2	ND<0.2	14	15	ND<1	ND<2	21	ND<1	4.2	ND<20	ND<5	--
	7/10/13[i]	ND<1	ND<1	84	ND<0.5	ND<1	0.98 J	6.4	0.83	2.1	ND<0.2	15	13	ND<1	ND<2	21	ND<1	5.0	ND<20	ND<5	3.7 J
	3/6/14	ND<1	ND<1	88	ND<0.5	ND<1	--	9.2	2.8	0.76 J	ND<0.2	--	8.8	ND<1	ND<2	25	ND<1	5.5	ND<20	ND<5	--
	8/12/14	ND<1	ND<1	65	ND<0.5	ND<1	--	8.1	0.32	6.1	ND<0.2	35	840	ND<1	ND<2	23	ND<1	2.5	18 J	ND<5	--
EW4	6/25/08	ND<20	ND<20	79	ND<5	ND<5	ND<5	**82**	**16**	ND<10	ND<0.2	ND<10	41	ND<10	ND<20	ND<20	ND<100	ND<10	ND<40	--	3.1
	7/16/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15	--	--	--	--	NS
	4/8/09	ND<1	3.6	--	ND<1	ND<1	--	**216 B**	**11**	21	ND<0.5	--	**104**	ND<1	ND<1	18	ND<1	--	229	ND<0.016	ND<2
	3/10/10	ND<1	ND<1	37	ND<0.5	ND<1	0.66 J	13	1.8	4.0	ND<0.2	18	67	0.25 J	0.57 J	4.2	ND<1	4.0	25	--	NS
	12/8/10	ND<1	ND<1	67	ND<0.5	0.13 J	4.7	**360**	5.9 J	8.8	ND<0.2	41	56	0.30 J	ND<2	23	ND<1	ND<2	5.6 J	--	4.3
	6/22/11	ND<1	1.0	53	ND<0.5	ND<1	ND<1	24	5.7	ND<2	ND<0.2	32	6.1	ND<1	ND<2	4.5	ND<1	7.3	ND<20	--	7.7
	12/14/11	ND<1	1.7	78	ND<0.5 C	ND<1	ND<1	34	5.5	2.1	ND<0.2	29	27	ND<1	ND<2	15	ND<1	7.3	ND<20 C	--	7.4
	7/18/12	ND<1	2.4	82	ND<0.5	ND<1	ND<1	34	4.1	2.4	ND<0.2	22	11	ND<1	ND<2	23	ND<1	7.5	ND<20	ND<25	ND<4
	2/14/13[h][p]	ND<1	1.7	78	ND<0.5	ND<1	0.14 J	8.3	8.2	0.88 J	ND<0.2	17	2.8	ND<1	ND<2	20	ND<1	5.6	ND<20	ND<5	--
	7/10/13[i]	ND<1	ND<1	74	ND<0.5	ND<1	0.65 J	21	**20**	1.2 J	ND<0.2	23	5.4	ND<1	ND<2	17	ND<1	6.1	ND<20	ND<5	2.2 J
	3/6/14	ND<1	ND<1	75	ND<0.5	ND<1	--	3.8 B	1.7	0.81 J	ND<0.2	--	110 B	ND<1	ND<2	19	ND<1	3.8	1,100	ND<5	--
	8/13/14	ND<1	1.2	73	ND<0.5	ND<1	--	7.0	3.0	0.58 J	ND<0.2	31	58	ND<1	ND<2	18	ND<1	5.8	170	ND<5	--
PZ-1	6/14/11	ND<1	2.9	81	ND<0.5	ND<1	3.6	26	ND<1	13	ND<0.2	5.2	10	3.8	ND<2	2.6	ND<1	21	66	--	**8.5**
	12/8/11	ND<1	**12**	410	2.1	1.1	33	**160**	ND<1	52	ND<0.2	12	**100**	**35**	ND<2	5.9	ND<1	100	350	--	--
	7/18/12	ND<10 B	2.2	95	ND<0.5	ND<1	2.7	26	3.6 H	6.2	ND<0.2	14	14	2.1	ND<2	7.0	ND<1	15	27	ND<25	**9.3**
	12/28/12	ND<1	1.1	69	ND<0.5	ND<1	1.0	8.5	0.32 J	2.6 B	ND<0.2	11	6.0	0.64 J	ND<2	6.0 B	ND<1	7.5 B	19 JB	ND<5	--
	7/12/13[h][i]	ND<1	ND<1	76	ND<0.5	ND<1	0.53 J	4.5	4.3	1.0 J	ND<0.2	15	1.9 J	ND<1	ND<2	7.6	ND<1	6.2	ND<20	ND<5	**6.6**
	3/5/14	ND<1	ND<1	73	ND<0.5	ND<1	--	4.8	4.0	ND<2	ND<0.2	--	2.2	ND<1	ND<2	6.7	ND<1	5.8	ND<20	ND<5	--
	8/13/14	ND<1	0.66 J	78	ND<0.5	ND<1	--	3.8	3.6	ND<2	ND<0.2	13	2.6	ND<1	ND<2	6.2	ND<1	6.2	17 J	ND<5	**6.7**
PZ-2	6/14/11	ND<1	**18**	400	3.0	ND<1	30	**140**	ND<1	53	0.72	8.3	66	**47**	ND<2	8.3	ND<1	110	530	--	**7.0**
	12/9/11	ND<1	**16**	330	1.6	ND<1	25	**150**	ND<1	46	0.46	17	97	**27**	ND<2	11	ND<1	82	300	--	--
	6/28/12	ND<10 B	2.2	86	ND<0.5	ND<1	1.9	24	ND<2	4.9	ND<0.2	17	17	1.8	ND<2	8.7	ND<1	10	29	ND<25	**8.1**
	12/28/12	ND<1	ND<1	65	ND<0.5	0.11 J	0.60 J	6.8	0.48 J	1.1 JB	ND<0.2	7.6	7.7	0.35 JB	ND<2	1.0 JB	ND<1	1.3 JB	30 B	ND<5	--

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		**100**	**10**	**1,000**	**4**	**5**	**NE[c]**	**50**	**10**	**1,000**	**2**	**NE**	**100**	**15**	**6**	**50**	**2**	**NE**	**5,000**	**200**	**6**
PZ-2	7/12/13[h][i]	ND<1	ND<1	69	ND<0.5	ND<1	0.50 J	4.2	2.7	0.93 J	ND<0.2	16	3.4	ND<1	ND<2	5.6	ND<1	6.5	4.3 J	ND<5	**6.4**
(cont.)	3/5/14	ND<1	0.71 J	69	ND<0.5	ND<1	--	3.3	2.5	ND<2	ND<0.2	--	5.7	ND<1	ND<2	4.9	ND<1	6.2	7.9 J	ND<5	--
	8/13/14	ND<1	1.1	71	ND<0.5	ND<1	--	4.9	3.0	ND<2	ND<0.2	17	6.4	ND<1	ND<2	4.6	ND<1	7.6	16 J	ND<5	**7.0**
PZ-3	6/22/11	15	**20**	**1,200**	5.3	ND<2 RL	100	**490**	1.2	210	**14**	9.2	**350**	**97**	ND<4 RL	7.6	ND<2 RL	220	390	--	ND<4
	12/19/11	ND<1	8.8	230	ND<0.5	ND<1	12	45	4.4	29	ND<0.2	20	26	7.8	ND<2	20	ND<1	51	70	--	--
	7/10/12	ND<10 B	6.8	180	ND<0.5	ND<1	9.2	**69**	2.1	24	ND<0.2	20	43	5 B	ND<2	22	ND<1	42	53	ND<25	ND<4
	2/14/13[h][p]	ND<1	1.7	48	ND<0.5	ND<1	0.15 J	3.6	ND<1	0.94 J	ND<0.2	16	1.8 J	ND<1	ND<2	24	ND<1	5.9	ND<20	ND<5	--
	7/12/13[i]	ND<1	ND<1	47	ND<0.5	ND<1	ND<1	4.1	4.0	ND<2	ND<0.2	17	3.5	ND<1	ND<2	23	ND<1	6.0	ND<20	ND<5	3.3 J
	3/6/14	ND<1	0.58 J	54	ND<0.5	ND<1	--	3.6 B	3.3	0.59 J	ND<0.2	--	4.8 B	ND<1	ND<2	21	ND<1	6.0	7.7 J	ND<5	--
	8/12/14	ND<1	0.61 J	53	ND<0.5	ND<1	--	2.5	1.2	ND<2	ND<0.2	16	16	ND<1	ND<2	20	ND<1	5.9	58	ND<5	--
PZ-4	6/17/11	ND<1	1.1	86	ND<0.5	ND<1	1.7	**97**	3.4	5.7	ND<0.2	14	23	ND<1	ND<2	18	ND<1	7.8	ND<20	--	ND<4
	12/19/11	ND<1	3.1	120	ND<0.5	ND<1	2.0	**240 M1**	1.8	11	ND<0.2	18	33	1.2	ND<2	20	ND<1	8.5 M1	ND<20	--	--
	7/5/12	ND<1	1.4	95	ND<0.5	ND<1	ND<1	**55**	ND<2	2.7 B	ND<0.2	13	8.5	ND<1	ND<2	17	ND<1	7.3	ND<20	ND<25	4.0
	2/15/13[h][p]	ND<1	1.0	63	ND<0.5	ND<1	0.53 J	12	**13 H**	0.52 J	ND<0.2	10	7.8	ND<1	ND<2	4.7	ND<1	5.1	ND<20	ND<5	--
	7/12/13[i]	ND<1	0.96 J	77	ND<0.5	ND<1	0.92 J	7.0	6.0	ND<2	ND<0.2	12	3.7	ND<1	ND<2	13	ND<1	5.2	ND<20	ND<5	2.8 J
	3/6/14	ND<1	ND<1	64	ND<0.5	ND<1	--	14	**11**	0.63 J	ND<0.2	--	5.0	ND<1	ND<2	4.8	ND<1	5.9	ND<20	ND<5	--
	8/11/14	ND<1	0.71 J	91	ND<0.5	ND<1	--	7.3	2.9	0.61 J	ND<0.2	15	3.9	ND<1	ND<2	22	ND<1	5.7	ND<20	ND<5	--
PZ-5	6/23/11	ND<2 RL	4.2	150	ND<1 RL	ND<2 RL	7.2	**110**	1.1	10	0.23	28	77	4.5	ND<4 RL	27	ND<2 RL	21	40	--	ND<4
	12/19/11	ND<1	4.2	120	ND<0.5	ND<1	3.0	19	2.4	7.6	ND<0.2	16	9.0	1.7	ND<2	23	ND<1	17	ND<20	--	--
	7/9/12	ND<1	1.5	64	ND<0.5	ND<1	ND<1	21	**14**	2.7	ND<0.2	8.3	4.4	ND<1 B	ND<2	4.1	ND<1	9.8	ND<20	ND<25	ND<4
	2/15/13[h][p]	ND<1	1.3	63	ND<0.5	ND<1	0.16 J	7.6	7.7 H	ND<2	ND<0.2	11	1.4 J	ND<1	ND<2	13	ND<1	5.2	ND<20	ND<5	--
	7/11/13[i]	ND<1	ND<1	74	ND<0.5	ND<1	0.97 J	5.4	2.8	1.0 J	ND<0.2	17	9.1	ND<1	ND<2	18	ND<1	5.3	ND<20	ND<5	3.9 J
	3/6/14	ND<1	ND<1	74	ND<0.5	ND<1	--	10	3.8	0.68 J	ND<0.2	--	6.8	ND<1	ND<2	21	ND<1	5.4	8.9 J	ND<5	--
	8/12/14	ND<1	0.53 J	82	ND<0.5	ND<1	--	4.1	3.5	ND<2	ND<0.2	16	3.9	ND<1	ND<2	23	ND<1	5.4	15 J	ND<5	--
PZ-6	6/22/11	ND<1	1.1	75	ND<0.5	ND<1	2.5	20	3.7	5.7	0.24	15	7.8	1.5	ND<2	9.6	ND<1	14	ND<20	--	10
	12/19/11	ND<1	1.4	72	ND<0.5	ND<1	ND<1	8.3	5.2	ND<2	ND<0.2	21	4.2	ND<1	ND<2	4.7	ND<1	7.8	ND<20	--	--
	7/5/12	ND<1	1.5	70	ND<0.5	ND<1	1.3	17	6.5	22 B	ND<0.2	22	6.7	ND<1	ND<2	12	ND<1	7.6	ND<20	ND<25	5.6
	2/14/13[h][p]	ND<1	1.4	60	ND<0.5	ND<1	0.11 J	6.3	6.1	ND<2	ND<0.2	20	1.3 J	ND<1	ND<2	8.1	ND<1	6.2	ND<20	ND<5	--
	7/11/13[i]	ND<1	ND<1	66	ND<0.5	ND<1	0.73 J	5.4	3.6	1.1 J	ND<0.2	13	5.6	ND<1	ND<2	15	ND<1	5.5	ND<20	ND<5	**8.4**
	3/21/14	ND<1	7.1	70	ND<0.5	ND<1	--	2.2	0.46	1.8 J	ND<0.2	--	3.6	0.77 J	0.95 J	12	ND<1	7.9	ND<20	5.1	--
	8/13/14	ND<1	9.3	59	ND<0.5	ND<1	--	ND<2	0.31	0.57 J	ND<0.2	78	1.9 J	ND<1	1.3 J	4.9	ND<1	9.6	ND<20	ND<5	2.6 J
PZ-7	6/22/11	ND<1	3.5	92	ND<0.5	ND<1	5.4	38	2.3	15	0.25	14	15	4.8	ND<2	13	ND<1	33	36	--	5.9
	12/20/11	ND<1	3.7	81	ND<0.5	ND<1	2.5	22	3.5	5.7	ND<0.2	13	9.1	1.5	ND<2	14	ND<1	14	ND<20	--	--
	7/10/12	ND<1	1.4	65	ND<0.5	ND<1	ND<1	17	3.6	ND<2	ND<0.2	14	8.9	ND<1 B	ND<2	18	ND<1	7.9	ND<20	ND<25	5.9
	12/28/12	ND<1	1.2	61	ND<0.5	ND<1	0.66 J	13	4.0	1.7 JB	ND<0.2	13	6.1	0.41 J	ND<2	18 B	ND<1	7.5 B	5.3 JB	ND<5	--

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		**100**	**10**	**1,000**	**4**	**5**	**NE[c]**	**50**	**10**	**1,000**	**2**	**NE**	**100**	**15**	**6**	**50**	**2**	**NE**	**5,000**	**200**	**6**
PZ-7	7/11/13[h][i]	ND<1	ND<1	56	ND<0.5	ND<1	0.75 J	5.0	3.4	0.82 J	ND<0.2	18	9.5	ND<1	ND<2	19	ND<1	6.6	ND<20	ND<5	**8.2**
(cont.)	3/6/14	ND<1	0.58 J	51	ND<0.5	ND<1	--	10	2.0	1.2 J	ND<0.2	--	13	ND<1	ND<2	15	ND<1	6.6	ND<20	ND<5	--
	8/12/14	ND<1	0.77 J	55	ND<0.5	ND<1	--	4.9	3.2	ND<2	ND<0.2	17	5.0	ND<1	ND<2	13	ND<1	7.1	12 J	ND<5	**7.2 J**
Z4-1	7/10/12	ND<1	2.8	71	ND<0.5	ND<1	3.7	**710**	ND<2	14 B	ND<0.2	25 B	**160 B**	ND<1	ND<2	24	ND<1	ND<2	ND<20 B	ND<25	--
	12/28/12	ND<1	1.4	57	ND<0.5	ND<1	1.8	**220**	0.84 J	7.6 B	0.13 J	15	69	0.34 J	ND<2	23 B	ND<1	11 B	190 B	ND<5	--
	7/12/13[h][i]	ND<1	ND<1	50	ND<0.5	ND<1	0.73 J	5.4	1.6	ND<2	0.21	13	20	ND<1	ND<2	20	ND<1	5.7	14 J	ND<5	2.0 J
	3/4/14	ND<1	ND<1	43	ND<0.5	ND<1	--	3.6	1.7	0.90 J	ND<0.2	--	23	ND<1	ND<2	27	ND<1	5.5	ND<20	ND<5	--
	8/16/14	ND<1	ND<1	39	ND<0.5	ND<1	--	2.8	1.5	1.3 J	ND<0.2	13	15	ND<1	ND<2	23	ND<1	6.0	10 J	ND<5	--
Z4-2	7/10/12	ND<1	4.7	130	ND<0.5	ND<1	6.3	**270**	2.6	17 B	ND<0.2	15 B	51 B	2.9	ND<2	33	ND<1	24	42 B	ND<25	--
	2/14/13[h][p]	ND<1	1.8	44	ND<0.5	ND<1	0.23 J	3.6	3.0	0.59 J	ND<0.2	11	5.9	ND<1	ND<2	48	ND<1	6.0	ND<20	ND<5	--
	4/11/13	0.11 J	1.2	59	0.18 J	0.14 J	1.7	44	--	4.3	ND<0.2	12	15	1.1 B	0.32 J	46	ND<1	11	10 J	--	--
DUP	4/11/13[f]	ND<1	ND<1	43	ND<0.5	ND<1	0.26 J	3.3	3.5	0.65 J	ND<0.2	13	5.4	ND<1	ND<2	47	ND<1	6.0	ND<20	ND<5	--
	7/12/13[h][i]	ND<1	ND<1	44	ND<0.5	ND<1	0.65 J	5.4	2.9	ND<2	0.10 J	12	7.7	ND<1	ND<2	43	ND<1	6.4	6.3 J	ND<5	2.9 J
	3/4/14	ND<1	ND<1	46	ND<0.5	ND<1	--	3.0	1.9	1.7 J	ND<0.2	--	25	ND<1	ND<2	25	ND<1	6.2	ND<20	ND<5	--
	8/16/14	ND<1	ND<1	52	ND<0.5	ND<1	--	2.5	1.8	1.0 J	ND<0.2	15	6.8	ND<1	ND<2	23	ND<1	7.0	100	ND<5	--
Z4-3	7/10/12	ND<1	2.3	62	ND<0.5	ND<1	2.2	18	ND<2	3.5	ND<0.2	16	13	ND<1	ND<2	25	ND<1	10	25	ND<25	--
	12/26/12	ND<1	1.7	59	ND<0.5	ND<1	1.1	6.3	1.7	1.7 J	0.27	15	8.2	0.22 J	ND<2	25	ND<1	7.5	13 J	ND<5	--
	7/16/13[h]	ND<1	ND<1	55	ND<0.5	ND<1	0.73 J	3.8	1.1	2.5	ND<0.2	14	7.4	ND<1	ND<2	24	ND<1	7.0	5.0 J	ND<5	2.8 J
	3/4/14	ND<1	0.56 J	53	ND<0.5	ND<1	--	2.0	1.5	0.68 J	ND<0.2	--	4.6	ND<1	ND<2	19	ND<1	6.2	ND<20	ND<5	--
	8/16/14	ND<1	0.52 J	57	ND<0.5	ND<1	--	2.0	1.2	ND<2	ND<0.2	15	6.6	ND<1	ND<2	19	ND<1	6.5	7.7 J	ND<5	--
Z4-4	7/10/12	ND<1 B	5.0	190	ND<0.5	ND<1	8.9	**240**	3.1	22 B	ND<0.2	23 B	**160 B**	3.2	ND<2	22	ND<1	26	110 B	ND<25	--
	4/11/13[f]	0.11 J	4.0	120	0.28 J	0.18 J	5.9	**110**	--	15	ND<0.2	18	**100**	2.8 B	0.48 J	28	ND<1	23	50	--	--
DUP	4/11/13[p]	ND<1	ND<1	71	ND<0.5	ND<1	0.82 J	5.4	3.3	1.1 J	ND<0.2	19	50	ND<1	ND<2	28	ND<1	5.2	ND<20	ND<5	--
	7/12/13[h][i]	ND<1	ND<1	74	ND<0.5	ND<1	0.95 J	5.0	2.5	ND<2	ND<0.2	17	36	ND<1	ND<2	19	ND<1	5.9	5.1 J	ND<5	7.7
	3/4/14	ND<1	0.67 J	62	ND<0.5	ND<1	--	5.1	3.7	ND<2	ND<0.2	--	30	ND<1	ND<2	22	ND<1	5.3	ND<20	ND<5	--
	8/16/14	ND<1	0.92 J	81	ND<0.5	ND<1	--	4.0	2.6	0.94 J	ND<0.2	19	38	ND<1	ND<2	19	ND<1	6.1	9.6 J	ND<5	--
Z4-5	7/10/12	ND<1	5.1	120	ND<0.5	ND<1	5.9	**330**	**29**	12 B	ND<0.2	21 B	55 B	2.3	ND<2	31	ND<1	14	24 B	ND<25	--
	12/27/12	ND<1	2.1	85	ND<0.5	ND<1	1.3	**310**	**15**	12	ND<0.2	16	71	0.27 J	ND<2	23	ND<1	ND<2	4.3 JB	ND<5	--
	7/12/13[h][i]	ND<1	ND<1	79	ND<0.5	ND<1	0.76 J	8.9	8.9	ND<2	ND<0.2	16	11	ND<1	ND<2	19	ND<1	5.6	ND<20	ND<5	2.7 J
	3/4/14	ND<1	0.61 J	80	ND<0.5	ND<1	--	6.5	3.8	ND<2	ND<0.2	--	12	ND<1	ND<2	18	ND<1	5.5	ND<20	ND<5	--
	8/16/14	ND<1	0.52 J	81	ND<0.5	ND<1	--	3.1	1.3	1.0 J	ND<0.2	18	19	ND<1	ND<2	16	ND<1	5.5	ND<20	ND<5	--
AV-MW2	9/17/14	ND<1	0.63 J	55	ND<0.5	ND<1	--	3.6	4.1 J	3.9	ND<0.2	17	16	ND<1	ND<2	29	ND<1	5.5	83	ND<5	3.7 J
AV-MW3	9/17/14	ND<1	0.97 J	66	ND<0.5	ND<1	--	3.0	0.81 J	1.1 J	ND<0.2	16	8.0	ND<1	ND<2	25	ND<1	5.9	ND<20	ND<5	2.9 J
DUP	9/17/14	ND<1	0.88 J	67	ND<0.5	ND<1	--	2.8	0.63 J	0.65 J	ND<0.2	16	7.4	ND<1	ND<2	25	ND<1	5.7	ND<20	ND<5	2.7 J

TABLE 6

INORGANICS GROUNDWATER ANALYTICAL RESULTS
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	Sample Date	Inorganics (µg/l)[a]																			
		Ag	As	Ba	Be	Cd	Co	Cr	Cr VI	Cu	Hg	Mo	Ni	Pb	Sb	Se	Th	V	Zn	Cyanide	Perchlorate
MCL[b]		100	10	1,000	4	5	NE[c]	50	10	1,000	2	NE	100	15	6	50	2	NE	5,000	200	6
TW1	8/19/14	ND<1	1.7	55	ND<0.5	ND<1	ND<1	0.96	0.069	0.87	ND<0.2	38	3.5	ND<1	ND<2	13	ND<1	4.2	7.5	ND<5	2.6
DUP	8/19/14	ND<1	1.6	52	ND<0.5	ND<1	ND<1	1.1	ND<0.1	0.54	ND<0.2	35	3.1	ND<1	ND<2	13	ND<1	3.9	6.7	ND<5	2.8

(a) Metals analyzed by EPA Method 6020, hexavalent chromium analyzed by EPA Method 218.7, mercury analyzed by EPA Method 7470A, cyanide analyzed by EPA Method 4500-CN, perchlorate analyzed by EPA Method 314.0; reported in micrograms per liter (µg/l).

Ag - Silver	Be - Beryllium	Cr - Chromium, Total	Hg - Mercury	Pb - Lead	Th - Thallium
As - Arsenic	Cd - Cadmium	Cr VI - Hexavalent Chromium	Mo - Molybdenum	Sb - Antimony	V - Vanadium
Ba - Barium	Co - Cobalt	Cu - Copper	Ni - Nickel	Se - Selenium	Zn - Zinc

(b) Drinking water requirements - Maximum Contaminant Levels (MCLs).
(c) NE - Not established.
(d) ND - Not detected above the detection limit listed.
(e) "--" - Not analyzed.
(f) C - Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
(g) J - Estimated concentration.
(h) All samples before February 2013 were collected in preserved bottles without field filtering (except for hexavalent chromium which was collected in an unpreserved bottle).
(i) Hexavalent chromium analyzed by EPA Method 218.6 for samples taken before July 2013.
(j) B-1 - Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
(k) MHA - Due to high levels of analyte in the sample, the matrix spike/matrix spike duplicate (MS/MSD) calculation does not provide useful spike recovery information. See Blank Spike LCS
(l) B - Compound was found in the blank and sample.
(m) DUP - Duplicate sample.
(n) H - Sample was prepped or analyzed beyond the specified holding time.
(o) RL - Reporting limit raised due to sample matrix effects.
(p) Metals samples were collected in unpreserved bottles and filtered by the laboratory upon receipt.
(q) M1 - The MS and/or MSD was above the acceptance limits due to sample matrix interference. See Blank Spike LCS.
(r) Sample was collected in preserved bottles without field filtering (except for hexavalent chromium which was collected in an unpreserved bottle).

TABLE 7

SUMMARY MATRIX OF TREND ANALYSIS - AUGUST/SEPTEMBER 2014
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	1,1-DCE[a]	1,4-Dioxane	Hex Chrome	PCE[a]	TCE[a]	DEC[b]	INC[c]	NS[d]	NA[e]	Total[f]
EW1	NS	NS	NS	DEC	NS	1	0	4	0	5
EW2	NS	DEC	NS	DEC	DEC	3	0	2	0	5
EW3	NS	NS	NS	NS	NS	0	0	5	0	5
EW4	NS	NS	NS	NS	NS	0	0	5	0	5
PZ-1	NS	INC	NS	NS	NS	0	1	4	0	5
PZ-2	NS	NS	NS	NS	DEC	1	0	4	0	5
PZ-3	NS	NS	NS	NS	NS	0	0	5	0	5
PZ-4	NS	NS	NS	NS	NS	0	0	5	0	5
PZ-5	NS	NS	NS	NS	NS	0	0	5	0	5
PZ-6	NS	NS	NS	NS	NS	0	0	5	0	5
PZ-7	NS	NS	NS	NS	NS	0	0	5	0	5
W2	DEC	NS	NS	DEC	DEC	3	0	2	0	5
W4	DEC	NS[g]	NS[g]	DEC	DEC	3	0	0	0	3
W5	DEC	NS	NS	DEC	DEC	3	0	2	0	5
W6	DEC	NS[g]	NS[g]	DEC	DEC	3	0	0	0	3
W9	DEC	DEC	NS	DEC	DEC	4	0	1	0	5
W10	DEC	DEC	NS	DEC	DEC	4	0	1	0	5
W11	NS	NS	NS	INC	NS	0	1	4	0	5
W13	DEC	DEC	NS	DEC	DEC	4	0	1	0	5
W14	DEC	NS	INC	DEC	DEC	3	1	1	0	5
W17	NS	DEC	NS	INC	DEC	2	1	2	0	5
W18	NS	NS	NS	DEC	DEC	2	0	3	0	5
W19	NS[g]	NS	NS	DEC	DEC	2	0	2	0	4
W20	DEC	DEC	NS	NS	DEC	3	0	2	0	5
W21	NS[g]	NS[g]	NS[g]	INC	INC	0	2	0	0	2
W22	INC	NS[g]	NS[g]	DEC	NS	1	1	1	0	3
W23	NS[g]	NS[g]	NS[g]	DEC	NS[f]	1	0	0	0	1
W24	DEC	NS	NS	DEC	DEC	3	0	2	0	5
W25	NS[g]	NS[g]	NS	DEC	NS	1	0	2	0	3
W26	NS	NS	INC	DEC	NS	1	1	3	0	5
W27	NS	NS	NS	NS	NS	0	0	5	0	5
W28A	NS	NS	NS[g]	NS	INC	0	1	3	0	4
W28B	NS	NS	NS	NS	NS	0	0	5	0	5
W29	NS	NS	NS[g]	NS	NS	0	0	4	0	4

TABLE 7

SUMMARY MATRIX OF TREND ANALYSIS - AUGUST/SEPTEMBER 2014
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	1,1-DCE[a]	1,4-Dioxane	Hex Chrome	PCE[a]	TCE[a]	DEC[b]	INC[c]	NS[d]	NA[e]	Total[f]
W30	NS	NS	NS	NS	NS	0	0	5	0	5
W31	DEC	NS	INC	DEC	DEC	3	1	1	0	5
W32	DEC	NS	NS	DEC	DEC	3	0	2	0	5
W33	DEC	DEC	NS	NS	DEC	3	0	2	0	5
W34A	NS	NS	NS	DEC	NS	1	0	4	0	5
W34B	NS	NS	INC	NS	NS	0	1	4	0	5
W35	NS	NS	NS	NS	NS	0	0	5	0	5
W36	NA	NA	NA	NA	NA	0	0	0	5	5
W37A	NA	NA	NA	NA	NA	0	0	0	5	5
W37B	NA	NA	NA	NA	NA	0	0	0	5	5
W38	DEC	NS	NS	DEC	DEC	3	0	2	0	5
W39B	NS	NS	INC	NS	DEC	1	1	3	0	5
W40	NS	NS	NS	NS	NS	0	0	5	0	5
W41	DEC	NS	NS	DEC	DEC	3	0	2	0	5
W42	NS	NS	NS	NS	NS	0	0	5	0	5
W43A	NS	NS	INC	NS	NS	0	1	4	0	5
W43B	NS	NS	NS	NS	NS	0	0	5	0	5
W44A	NS	NS	NS	NS	NS	0	0	5	0	5
W44B	NS	NS	NS	NS	NS	0	0	5	0	5
W44C	NS	NS	NS[g]	NS	NS	0	0	4	0	4
W45	NS	NS	NS	NS	NS	0	0	5	0	5
W46	NS	NS	NS	NS	NS	0	0	5	0	5
W47	NA	NA	NA	NA	NA	0	0	0	5	5
W48	NA	NA	NA	NA	NA	0	0	0	5	5
W49	NA	NA	NA	NA	NA	0	0	0	5	5
W50A	NA	NA	NA	NA	NA	0	0	0	5	5
W50B	NA	NA	NA	NA	NA	0	0	0	5	5
W51A	NA	NA	NA	NA	NA	0	0	0	5	5
W51B	NA	NA	NA	NA	NA	0	0	0	5	5
W51C	NA	NA	NA	NA	NA	0	0	0	5	5
W52	NA	NA	NA	NA	NA	0	0	0	5	5
W53A	NA	NA	NA	NA	NA	0	0	0	5	5
W53B	NA	NA	NA	NA	NA	0	0	0	5	5
W53C	NA	NA	NA	NA	NA	0	0	0	5	5

TABLE 7

SUMMARY MATRIX OF TREND ANALYSIS - AUGUST/SEPTEMBER 2014
SHALLOW ZONE SOUTH OF PUENTE CREEK

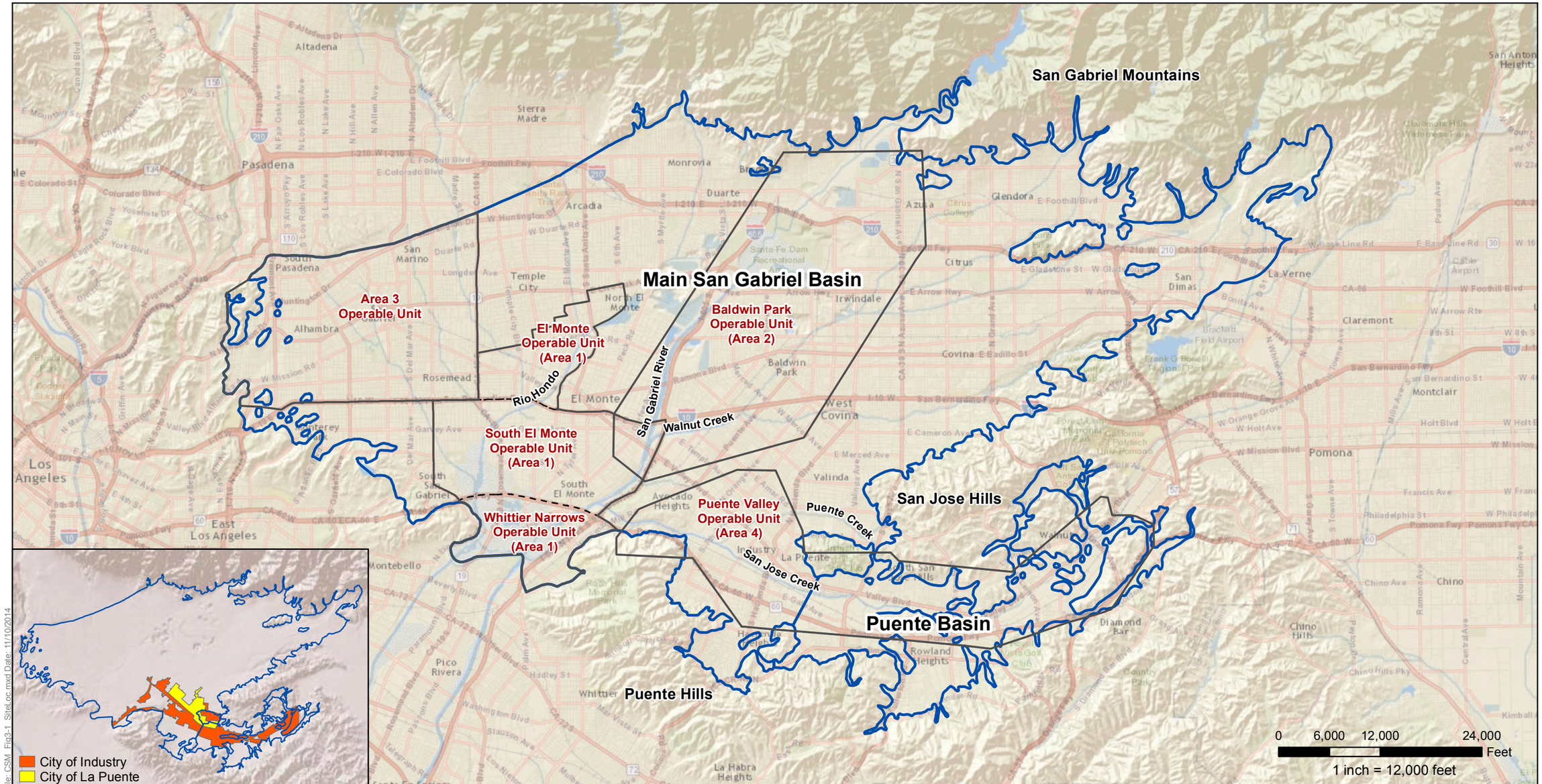
Well ID	1,1-DCE[a]	1,4-Dioxane	Hex Chrome	PCE[a]	TCE[a]	DEC[b]	INC[c]	NS[d]	NA[e]	Total[f]
W54	NA	NA	NA	NA	NA	0	0	0	5	5
W55A	NA	NA	NA	NA	NA	0	0	0	5	5
W55B	NA	NA	NA	NA	NA	0	0	0	5	5
W56A	NA	NA	NA	NA	NA	0	0	0	5	5
W56B	NA	NA	NA	NA	NA	0	0	0	5	5
W56C	NA	NA	NA	NA	NA	0	0	0	5	5
W57A	NA	NA	NA	NA	NA	0	0	0	5	5
W57B	NA	NA	NA	NA	NA	0	0	0	5	5
W57C	NA	NA	NA	NA	NA	0	0	0	5	5
W58A	NA	NA	NA	NA	NA	0	0	0	5	5
W58B	NA	NA	NA	NA	NA	0	0	0	5	5
W59	NA	NA	NA	NA	NA	0	0	0	5	5
W60A	NS	NS	NA	INC	NS	0	1	3	1	5
W60B	NA	NA	NA	NA	NA	0	0	0	5	5
W60C	NA	NA	NA	NA	NA	0	0	0	5	5
W61	NA	NA	NA	NA	NA	0	0	0	5	5
W62	NA	NA	NA	NA	NA	0	0	0	5	5
W63A	NS	NS	NA	NS	NS	0	0	4	1	5
W63B	NS	INC	NA	NS	NS	0	1	3	1	5
W63C	NS	NS	NA	NS	NS	0	0	4	1	5
W64A	NA	NA	NA	NA	NA	0	0	0	5	5
W64B	NA	NA	NA	NA	NA	0	0	0	5	5
W64C	NA	NA	NA	NA	NA	0	0	0	5	5
W65A	NA	NA	NA	NA	NA	0	0	0	5	5
W65B	NA	NA	NA	NA	NA	0	0	0	5	5
W65C	NA	NA	NA	NA	NA	0	0	0	5	5
W66A	NA	NA	NA	NA	NA	0	0	0	5	5
W66B	NA	NA	NA	NA	NA	0	0	0	5	5
W66C	NA	NA	NA	NA	NA	0	0	0	5	5
W67A	NA	NA	NA	NA	NA	0	0	0	5	5
W67B	NA	NA	NA	NA	NA	0	0	0	5	5
W67C	NA	NA	NA	NA	NA	0	0	0	5	5
W68B	NS	NS[g]	NA	NS	NS	0	0	3	1	4
W69A	NA	NA	NA	NA	NA	0	0	0	5	5

TABLE 7

SUMMARY MATRIX OF TREND ANALYSIS - AUGUST/SEPTEMBER 2014
SHALLOW ZONE SOUTH OF PUENTE CREEK

Well ID	1,1-DCE[a]	1,4-Dioxane	Hex Chrome	PCE[a]	TCE[a]	DEC[b]	INC[c]	NS[d]	NA[e]	Total[f]
W69B	NA	NA	NA	NA	NA	0	0	0	5	5
W69C	NA	NA	NA	NA	NA	0	0	0	5	5
W70A	NA	NA	NA	NA	NA	0	0	0	5	5
W70B	NA	NA	NA	NA	NA	0	0	0	5	5
W70C	NA	NA	NA	NA	NA	0	0	0	5	5
W71A	NA	NA	NA	NA	NA	0	0	0	5	5
W71B	NA	NA	NA	NA	NA	0	0	0	5	5
W71C	NA	NA	NA	NA	NA	0	0	0	5	5
W72A	NA	NA	NA	NA	NA	0	0	0	5	5
W72B	NA	NA	NA	NA	NA	0	0	0	5	5
W72C	NA	NA	NA	NA	NA	0	0	0	5	5
W73A	NA	NA	NA	NA	NA	0	0	0	5	5
W73B	NA	NA	NA	NA	NA	0	0	0	5	5
W74A	NA	NA	NA	NA	NA	0	0	0	5	5
W74B	NA	NA	NA	NA	NA	0	0	0	5	5
W75A	NA	NA	NA	NA	NA	0	0	0	5	5
W75B	NA	NA	NA	NA	NA	0	0	0	5	5
W75C	NA	NA	NA	NA	NA	0	0	0	5	5
Z4-1	DEC	DEC	NS	DEC	INC	3	1	1	0	5
Z4-2	DEC	DEC	NS	DEC	DEC	4	0	1	0	5
Z4-3	DEC	NS	NS	NS	NS	1	0	4	0	5
Z4-4	NS	NS	NS	NS	NS	0	0	5	0	5
Z4-5	DEC	DEC	DEC	DEC	DEC	5	0	0	0	5
Summary						***Totals***				
DEC	19	10	1	25	23	78				
INC	1	2	6	4	3	16				
NS	43	51	51	34	37	216				
NA	62	62	67	62	62	315				
Total	125	125	125	125	125	625				

(a) Volatile organic compounds (VOCs) analyzed by EPA Method 8260B, reported in micrograms per liter (µg/l).
1,1 - DCE - 1,1-dichloroethene PCE - Tetrachloroethene TCE - Trichloroethene
(b) DEC - Decreasing trend.
(c) INC - Increasing trend.
(d) NS - No significant trend; at least one-half of the data are detections unless otherwise noted.
(e) NA - Data insufficient to test for trend.
(f) Sum of the entries of DEC, INC, NS, and NA, less the entries that are NS because less than half the data are detections.
(g) Less than half of the data are detections.



File: CSM_Fig3-1_SiteLoc.mxd Date: 11/10/2014

San Gabriel Basin

Operable Unit

Source: EPA San Gabriel Valley Groundwater Cleanup Superfund Progress Report, January 2014

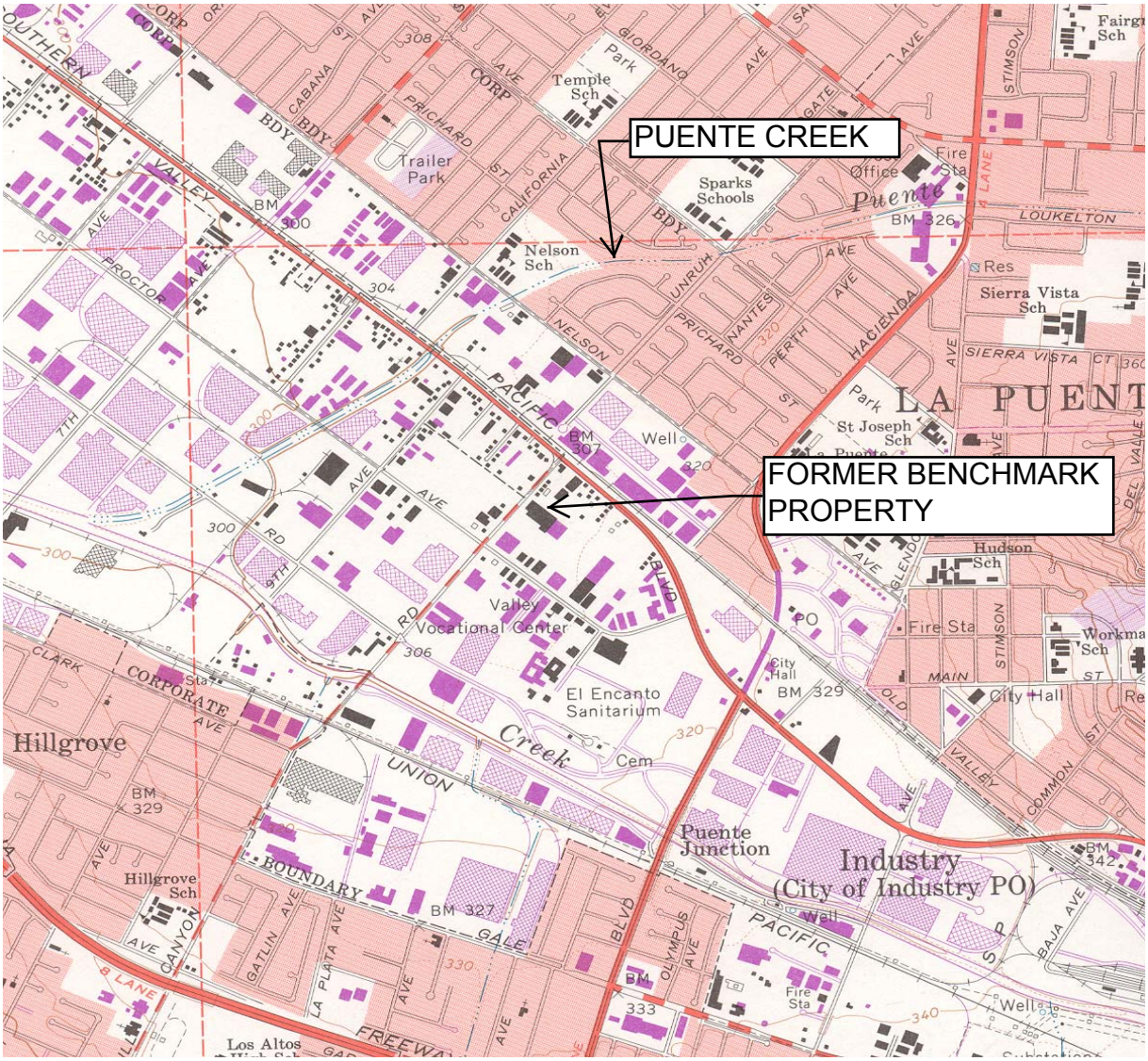
CDM Smith

Figure 1
Site Location

Puente Valley Operable Unit

11/10/2014

N



SCALE

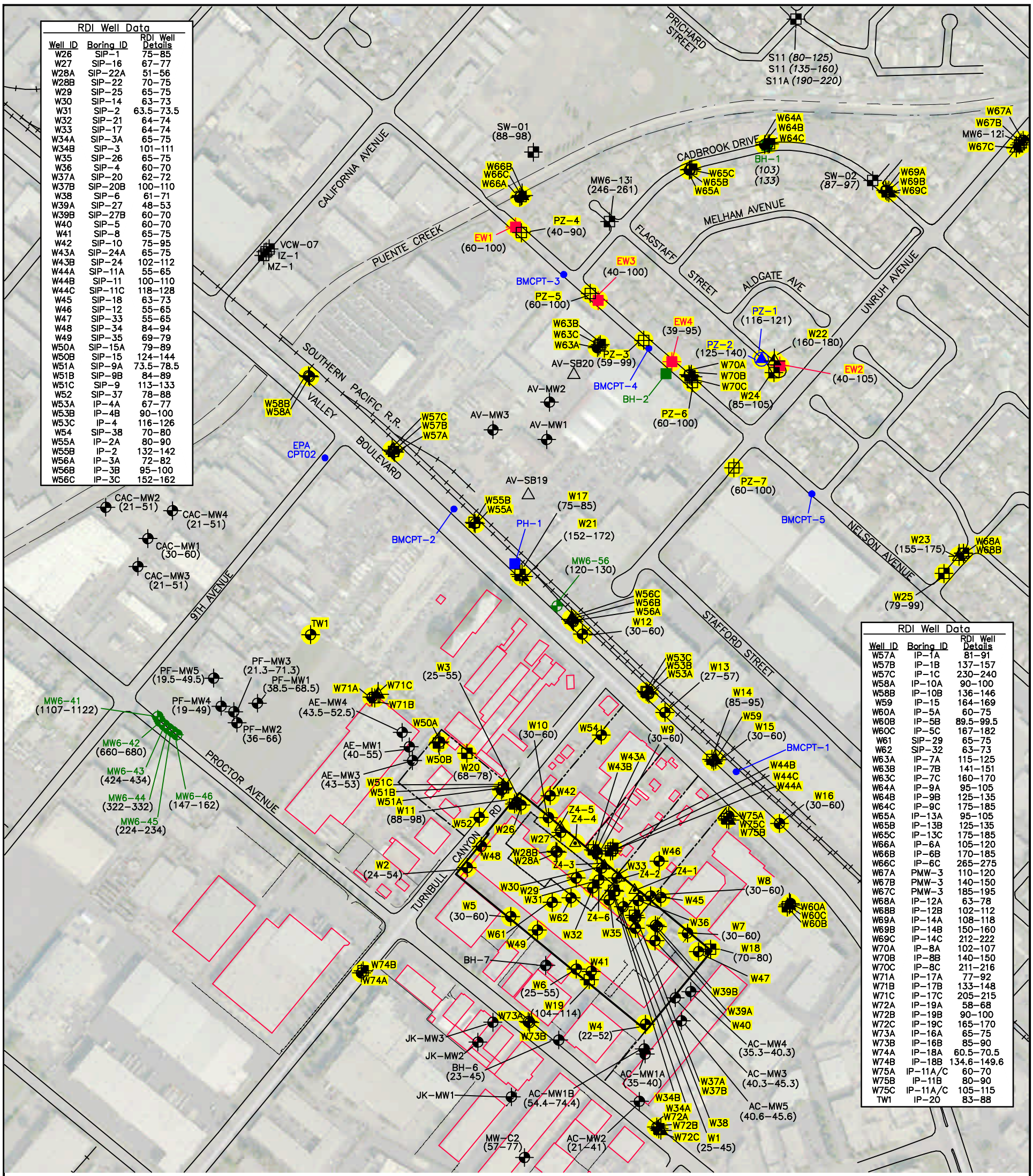
0 2000 4000 FEET

N

REFERENCE

7.5 MINUTE USGS TOPOGRAPHIC MAP OF
BALDWIN PARK, CALIFORNIA QUADRANGLE
DATE: 1996, PHOTOREVISED 1981
SCALE = 1:24,000

Orion Environmental Inc.			
SZ-SOUTH REMEDY PUENTE VALLEY OPERABLE UNIT			
Site Location Map SZ-South of Puente Creek			
PROJECT NO. 02BMRK	DRAWN BY MP	CHECKED BY MP	APPROVED BY JPG
FILE NO. 02BMH20202.PDF		**Figure 2**	



RDI Well Data		
Well ID	Boring ID	RDI Well Details
W26	SIP–1	75–85
W27	SIP–16	67–77
W28A	SIP–22A	51–56
W28B	SIP–22	70–75
W29	SIP–25	65–75
W30	SIP–14	63–73
W31	SIP–2	63.5–73.5
W32	SIP–21	64–74
W33	SIP–17	64–74
W34A	SIP–3A	65–75
W34B	SIP–3	101–111
W35	SIP–26	65–75
W36	SIP–4	60–70
W37A	SIP–20	62–72
W37B	SIP–20B	100–110
W38	SIP–6	61–71
W39A	SIP–27	48–53
W39B	SIP–27B	60–70
W40	SIP–5	60–70
W41	SIP–8	65–75
W42	SIP–10	75–95
W43A	SIP–24A	65–75
W43B	SIP–24	102–112
W44A	SIP–11A	55–65
W44B	SIP–11	100–110
W44C	SIP–11C	118–128
W45	SIP–18	63–73
W46	SIP–12	55–65
W47	SIP–33	55–65
W48	SIP–34	84–94
W49	SIP–35	69–79
W50A	SIP–15A	79–89
W50B	SIP–15	124–144
W51A	SIP–9A	73.5–78.5
W51B	SIP–9B	84–89
W51C	SIP–9	113–133
W52	SIP–37	78–88
W53A	IP–4A	67–77
W53B	IP–4B	90–100
W53C	IP–4	116–126
W54	SIP–38	70–80
W55A	IP–2A	80–90
W55B	IP–2	132–142
W56A	IP–3A	72–82
W56B	IP–3B	95–100
W56C	IP–3C	152–162

RDI Well Data		
Well ID	Boring ID	RDI Well Details
W57A	IP–1A	81–91
W57B	IP–1B	137–157
W57C	IP–1C	230–240
W58A	IP–10A	90–100
W58B	IP–10B	136–146
W59	IP–15	164–169
W60A	IP–5A	60–75
W60B	IP–5B	89.5–99.5
W60C	IP–5C	167–182
W61	SIP–29	65–75
W62	SIP–32	63–73
W63A	IP–7A	115–125
W63B	IP–7B	141–151
W63C	IP–7C	160–170
W64A	IP–9A	95–105
W64B	IP–9B	125–135
W64C	IP–9C	175–185
W65A	IP–13A	95–105
W65B	IP–13B	125–135
W65C	IP–13C	175–185
W66A	IP–6A	105–120
W66B	IP–6B	170–185
W66C	IP–6C	265–275
W67A	PMW–3	110–120
W67B	PMW–3	140–150
W67C	PMW–3	185–195
W68A	IP–12A	63–78
W68B	IP–12B	102–112
W69A	IP–14A	108–118
W69B	IP–14B	150–160
W69C	IP–14C	212–222
W70A	IP–8A	102–107
W70B	IP–8B	140–150
W70C	IP–8C	211–216
W71A	IP–17A	77–92
W71B	IP–17B	133–148
W71C	IP–17C	205–215
W72A	IP–19A	58–68
W72B	IP–19B	90–100
W72C	IP–19C	165–170
W73A	IP–16A	65–75
W73B	IP–16B	85–90
W74A	IP–18A	60.5–70.5
W74B	IP–18B	134.6–149.6
W75A	IP–11A/C	60–70
W75B	IP–11B	80–90
W75C	IP–11A/C	105–115
TW1	IP–20	83–88

LEGEND:

- W10 — SHALLOW ZONE MONITORING WELL, WITH (SCREEN INTERVAL) SHOWN
- W17 — UPPER INTERMEDIATE ZONE MONITORING WELL, WITH (SCREEN INTERVAL) SHOWN
- W21 — LOWER INTERMEDIATE ZONE MONITORING WELL, WITH (SCREEN INTERVAL) SHOWN
- PZ–3 — PIEZOMETER WITH (SCREEN INTERVAL) SHOWN
- EW1 — EXTRACTION WELL, WITH (SCREEN INTERVAL) SHOWN
- Z4–1 — VAPOR EXTRACTION WELL SCREENED BELOW 40 FEET BELOW GRADE
- APPROXIMATE LOCATION OF FORMER SITE BUILDINGS
- FORMER FENCED AREA
- BENCHMARK TECHNOLOGY SITE BOUNDARY
- PH–1 — CONTINUOUSLY–SAMPLED SOIL BORING
- BMCPT–1 — CPT BORING AND GRAB GROUNDWATER SAMPLE IN OCTOBER 2005 AND MARCH 2006
- PZ–1 — PIEZOMETER WITH (SCREEN INTERVAL) SHOWN
- MW6–56 — EPA MONITORING WELL CLUSTER
- BH–1 — SOIL BORING INSTALLED BY THE SHALLOW ZONE REMEDY NORTH OF PUENTE CREEK
- S9 — OTHER SHALLOW ZONE WELL
- IP–20/W76 — PROPOSED INVESTIGATION POINT (IP) TO BE INCLUDED IN AUGUST 2014 GROUNDWATER SAMPLING EVENT IF AVAILABLE
- AV–SB19 — VAPOR MONITORING POINT
- WELLS TO BE SAMPLED AUGUST 2014

SCALE
0 400 800

NORTHROP GRUMMAN
Northrop Grumman Systems Corporation

SZ–SOUTH REMEDY PUENTE VALLEY OPERABLE UNIT

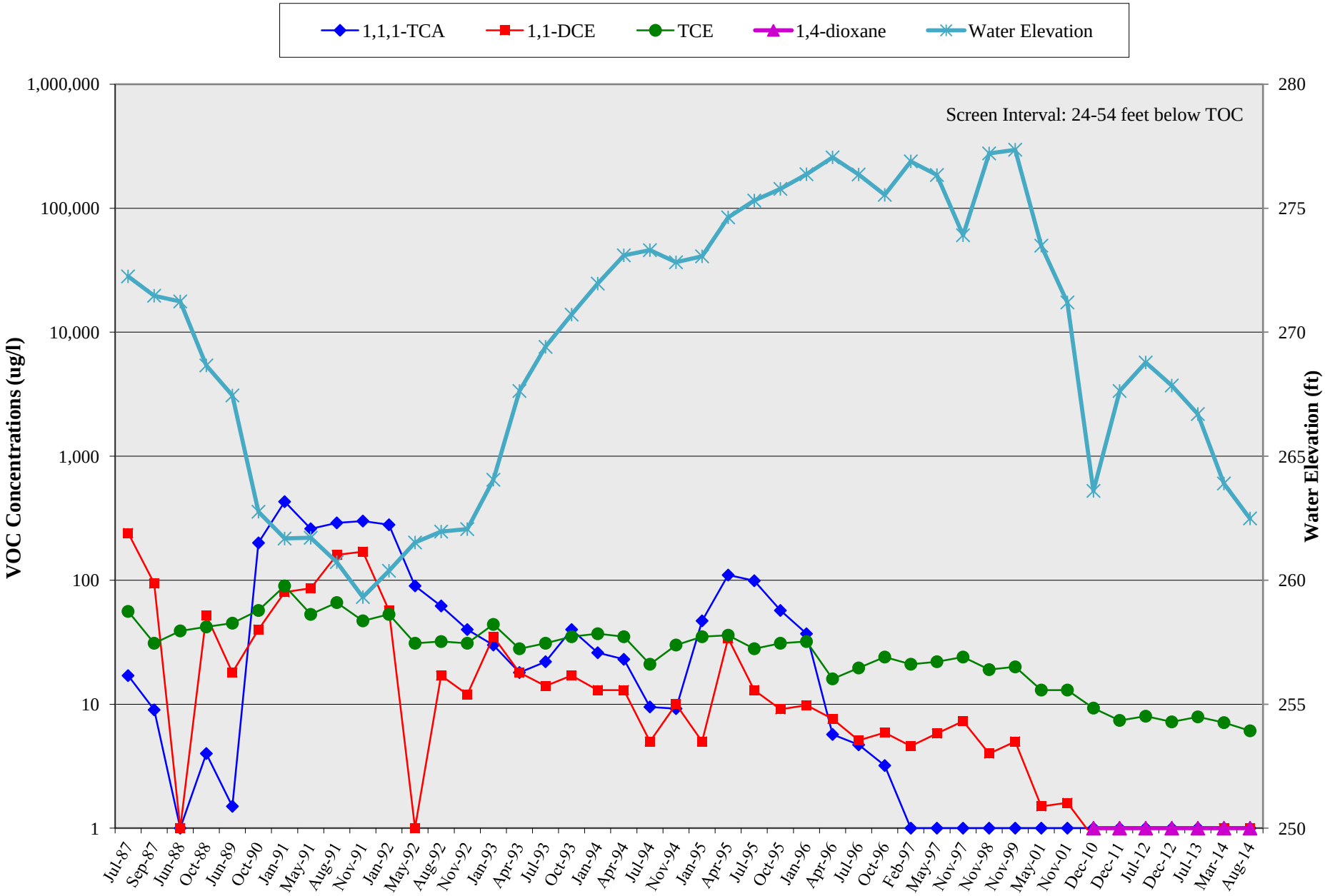
Groundwater Sampling Locations Site Map
2014 Annual Comprehensive Event

PROJECT 02BMRK–I2

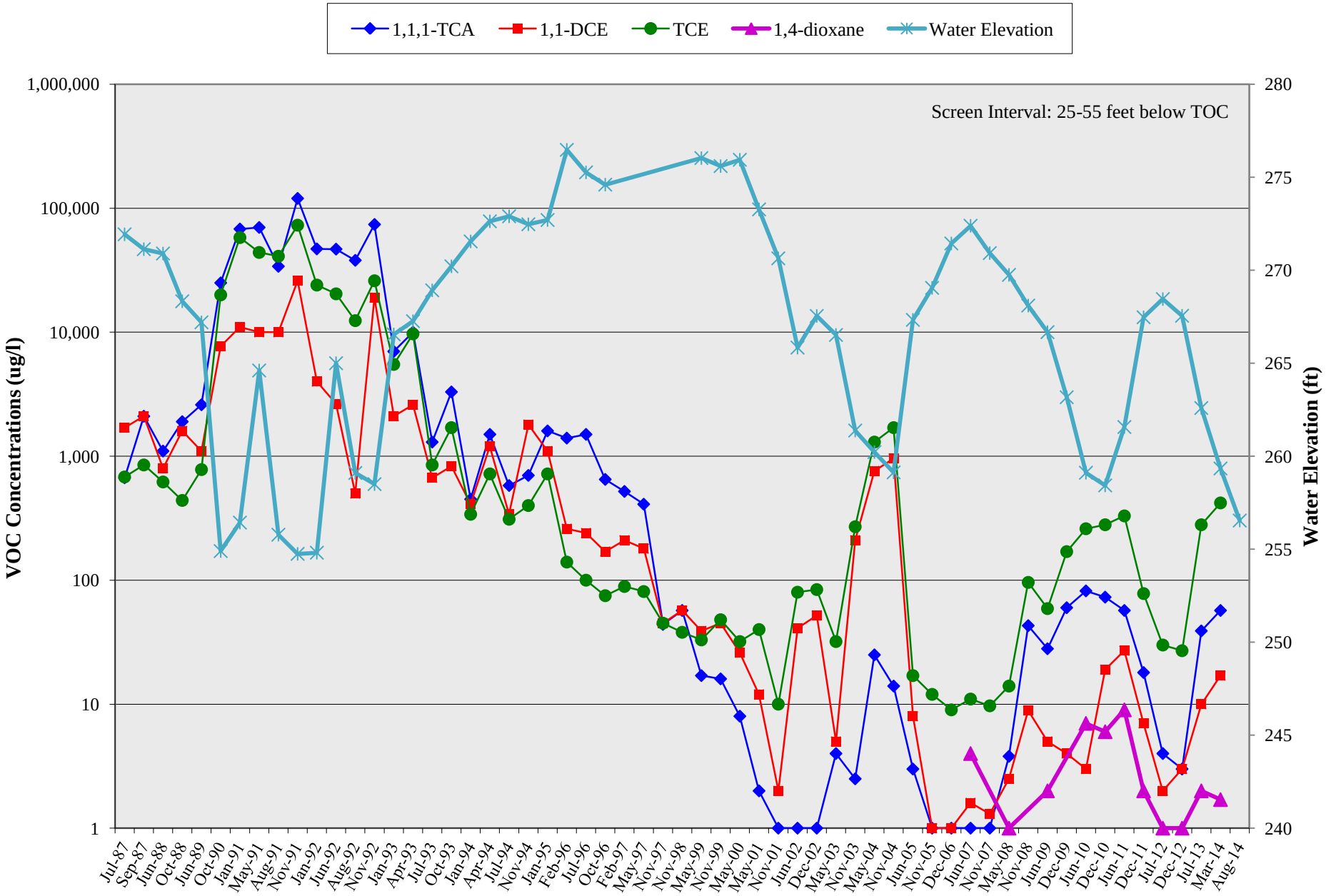
RDIsitemap29.dwg

FIGURE 3

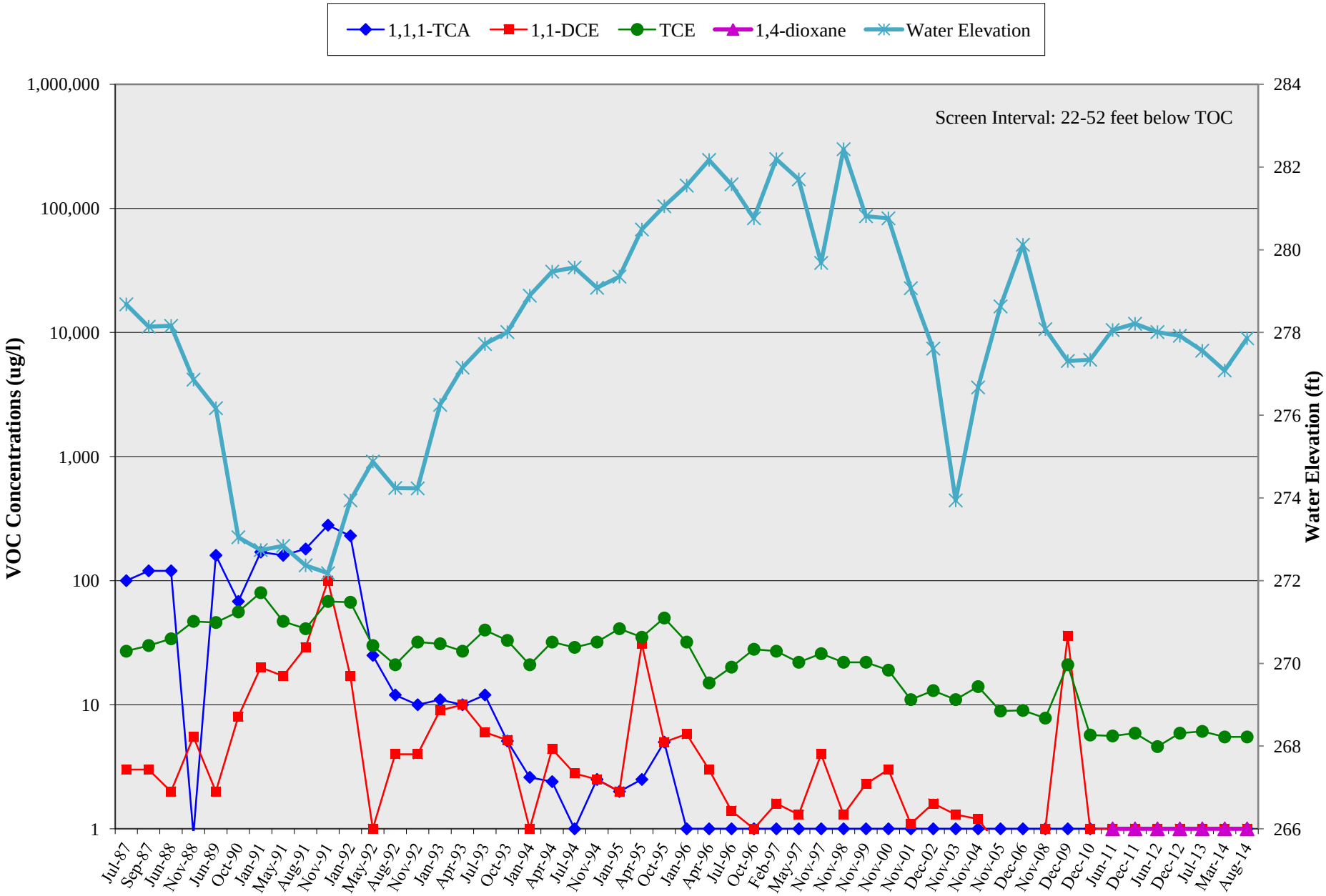
October 14, 2014 12:29 pm



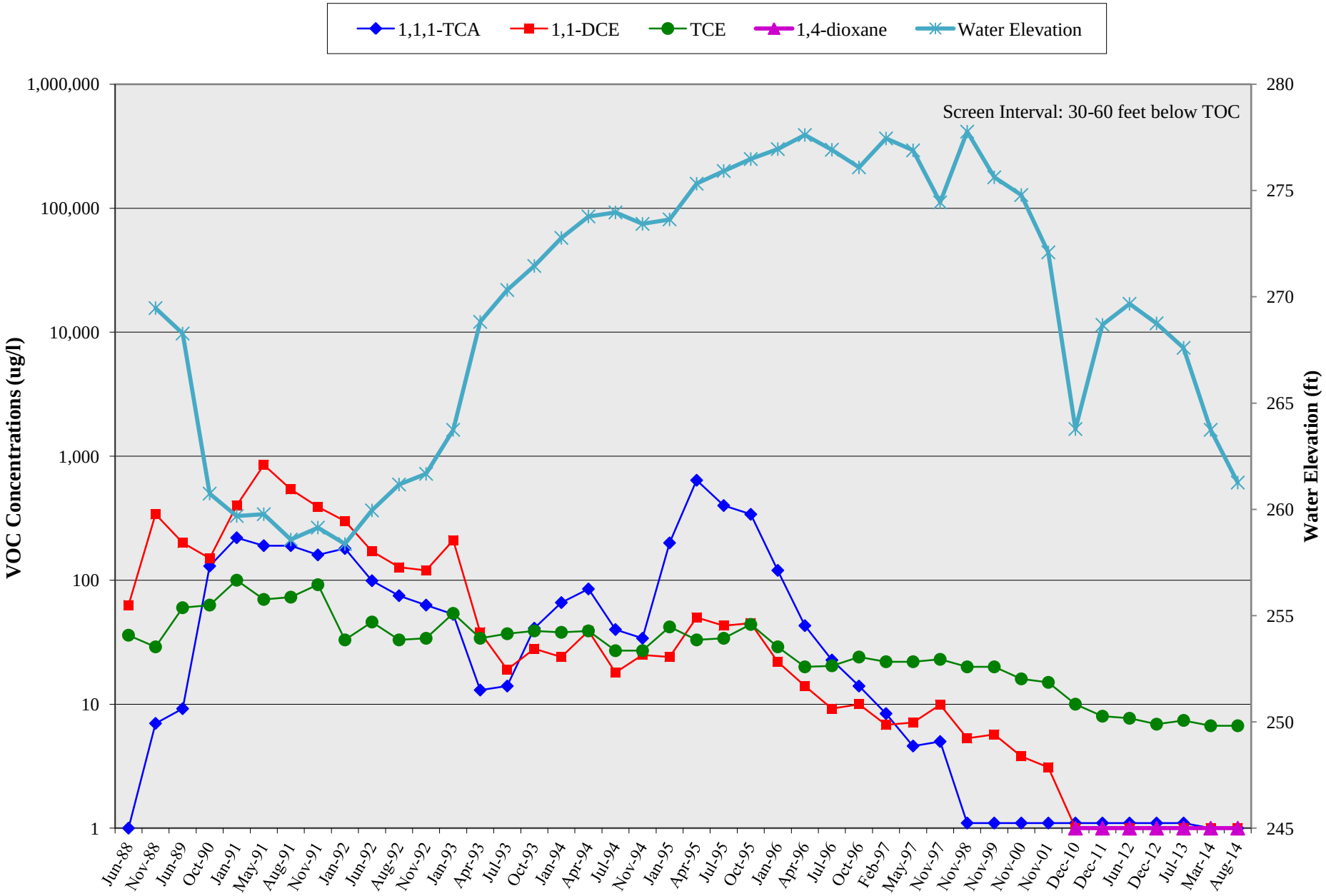
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W2	**FIGURE 4-1**



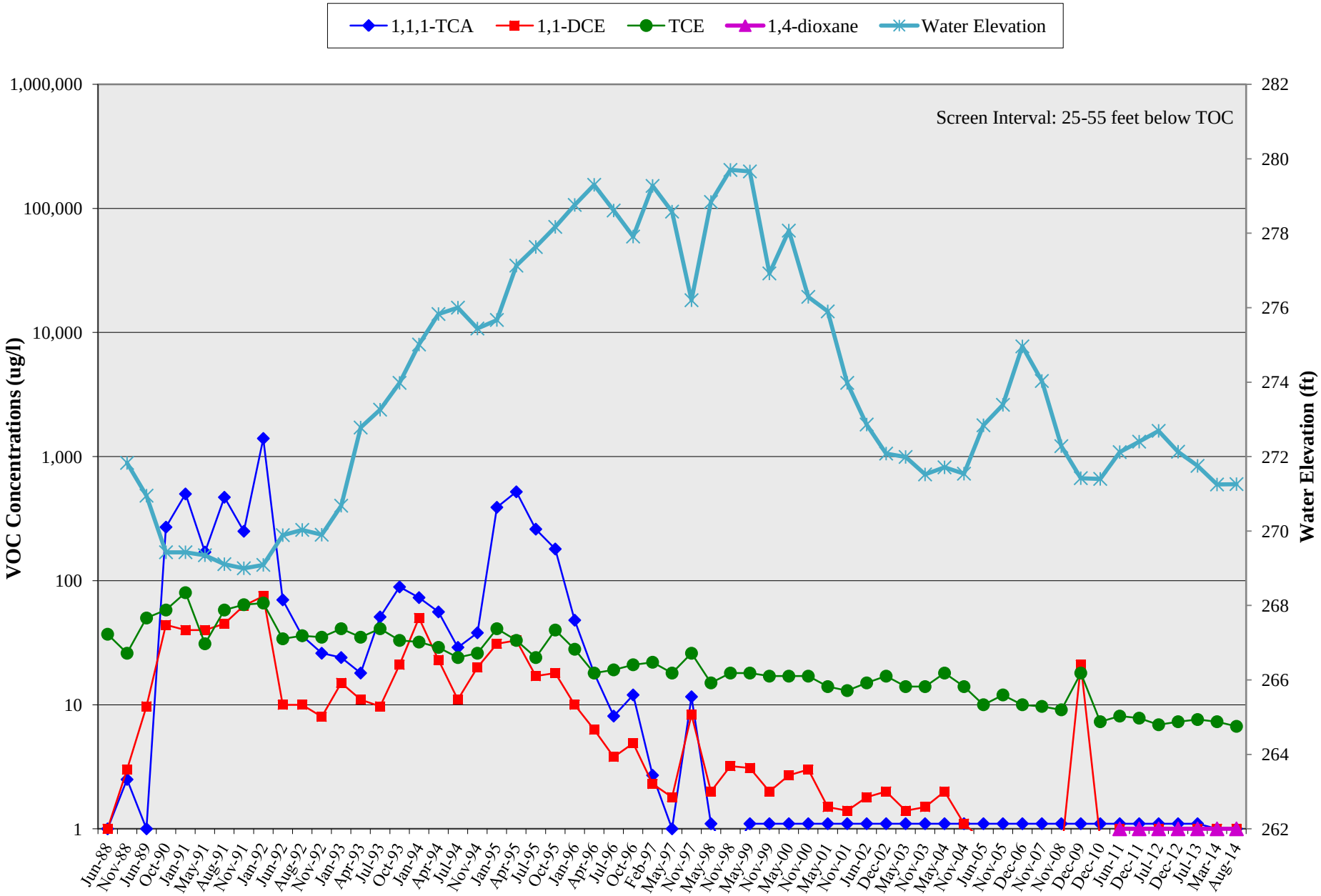
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W3	**FIGURE 4-2**



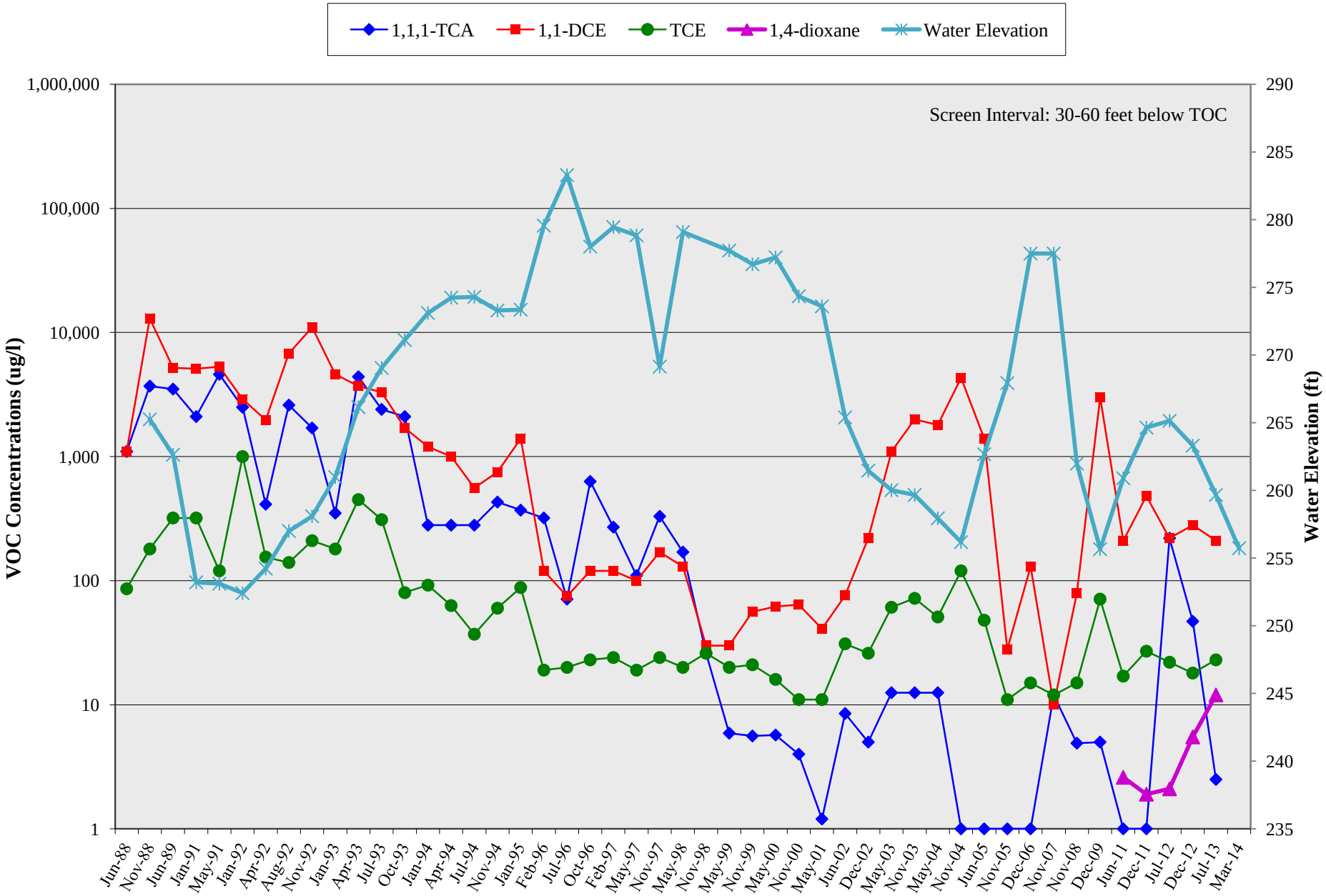
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W4	**FIGURE 4-3**



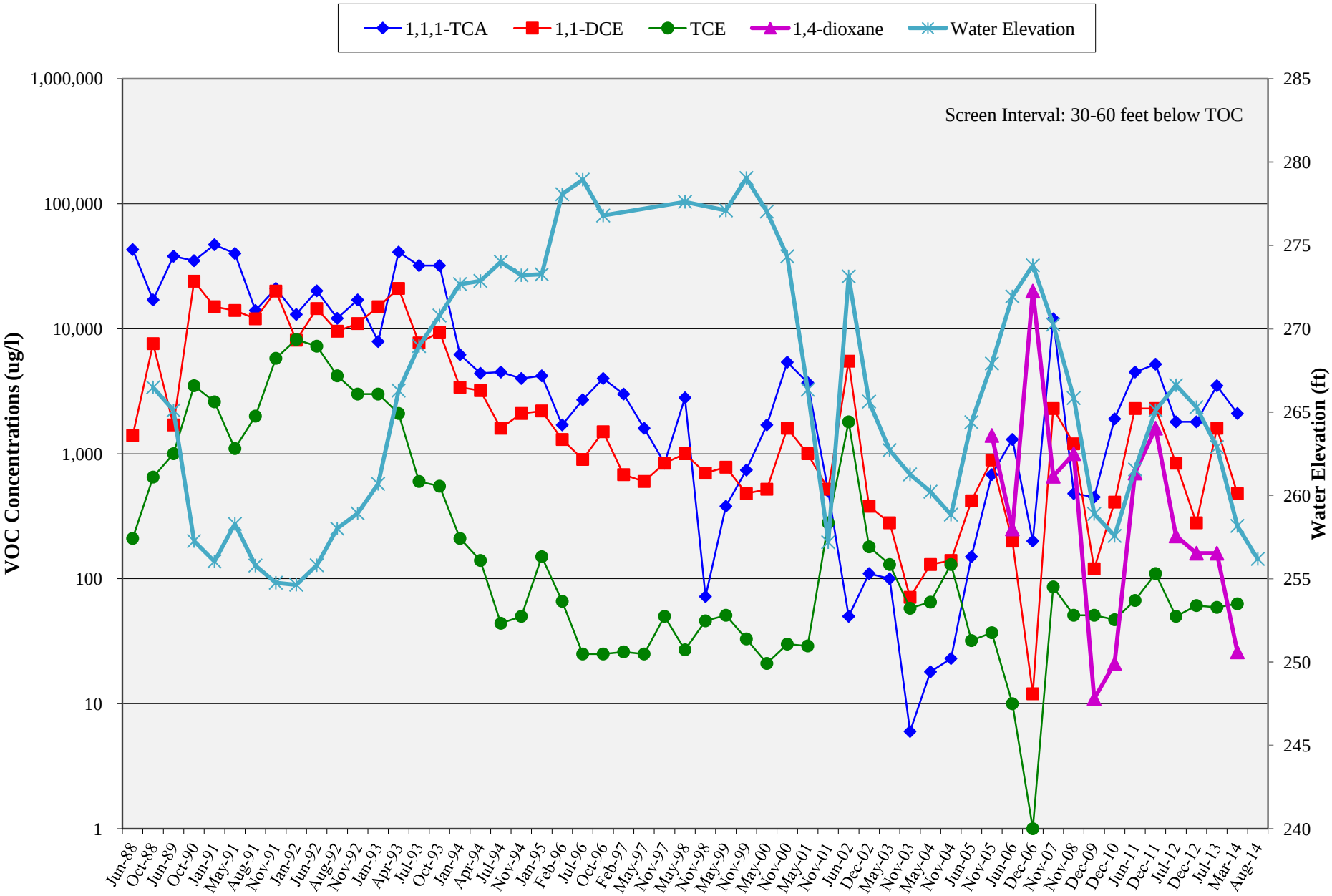
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W5	**FIGURE 4-4**



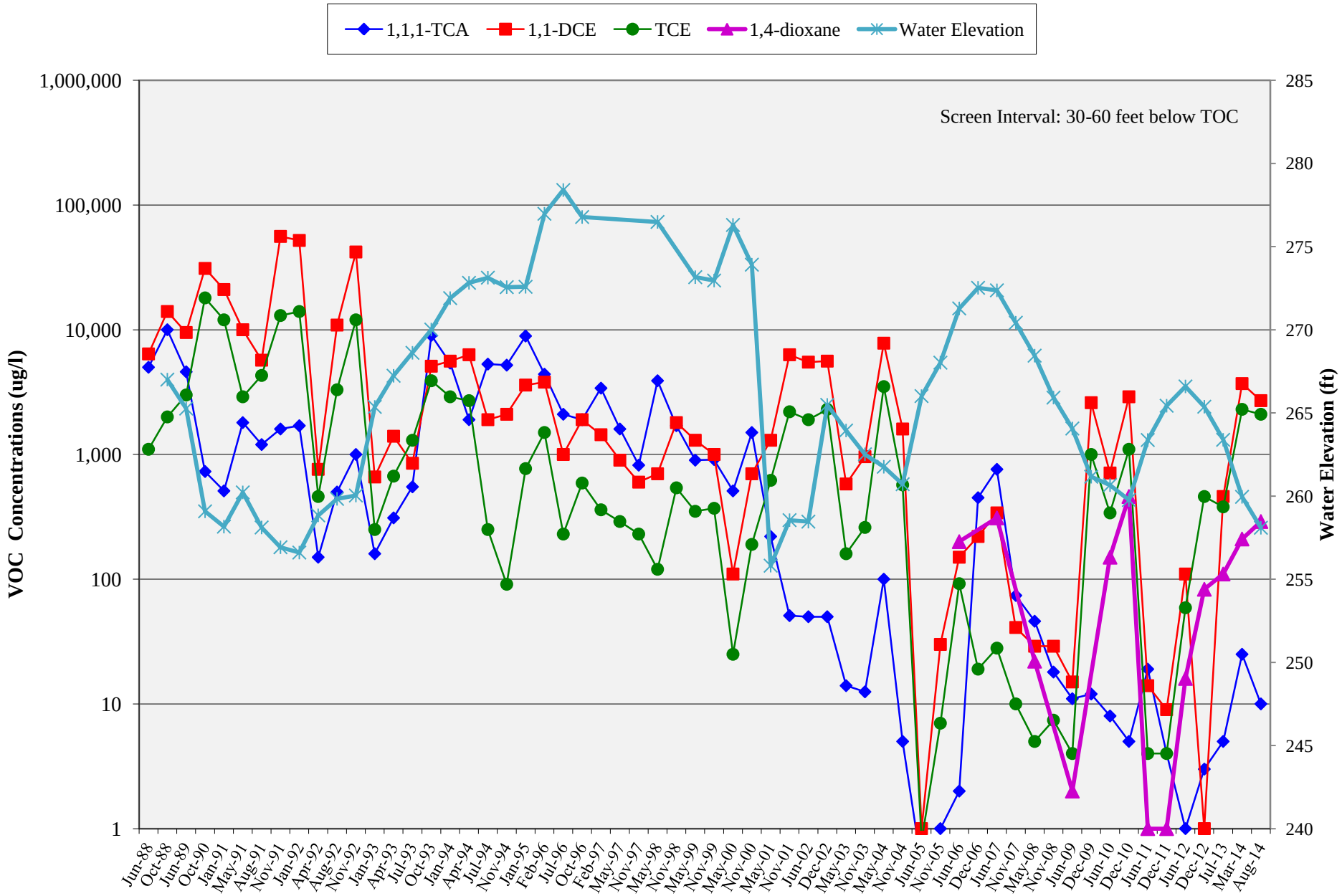
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W6	**FIGURE 4-5**



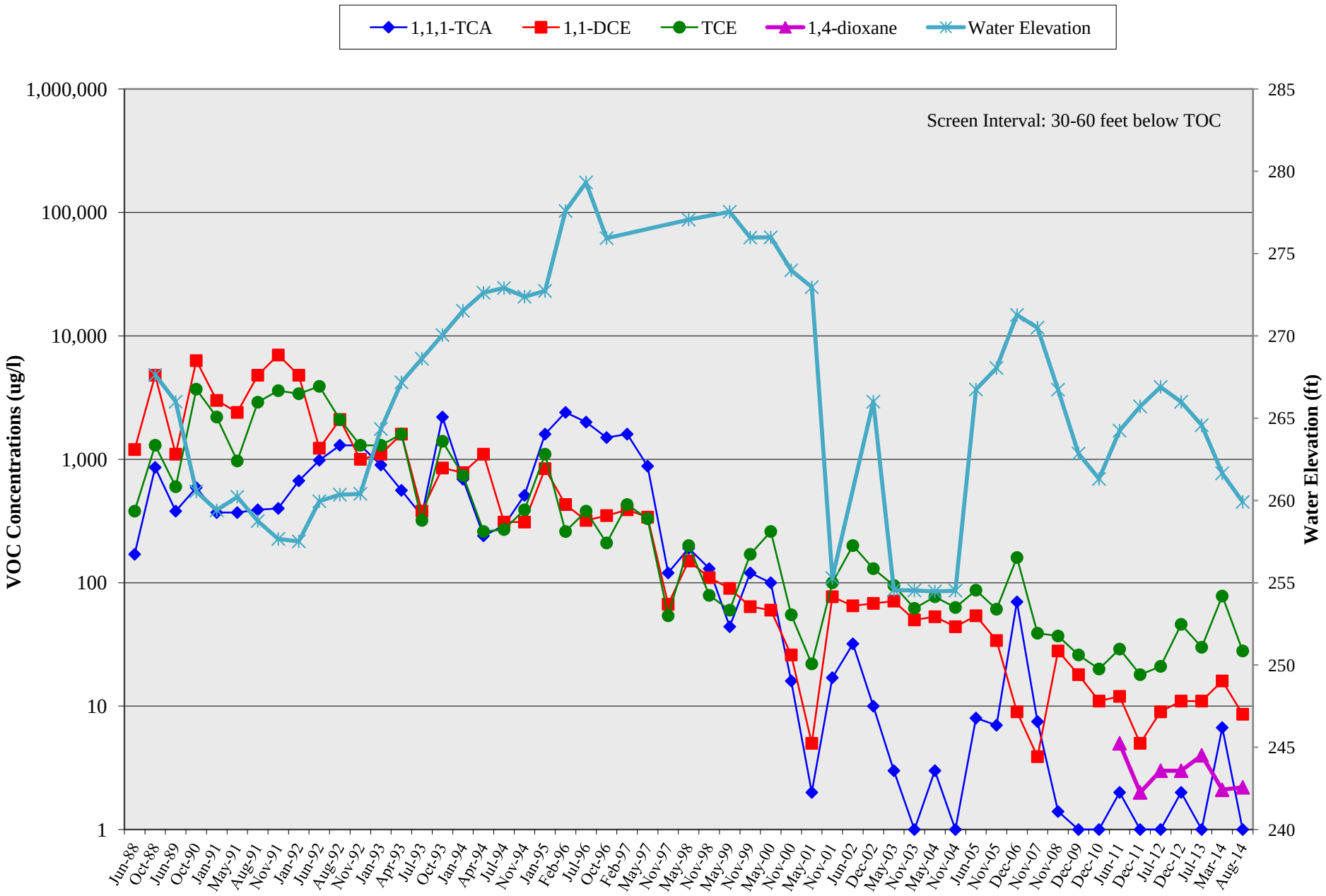
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W7	**FIGURE 4-6**



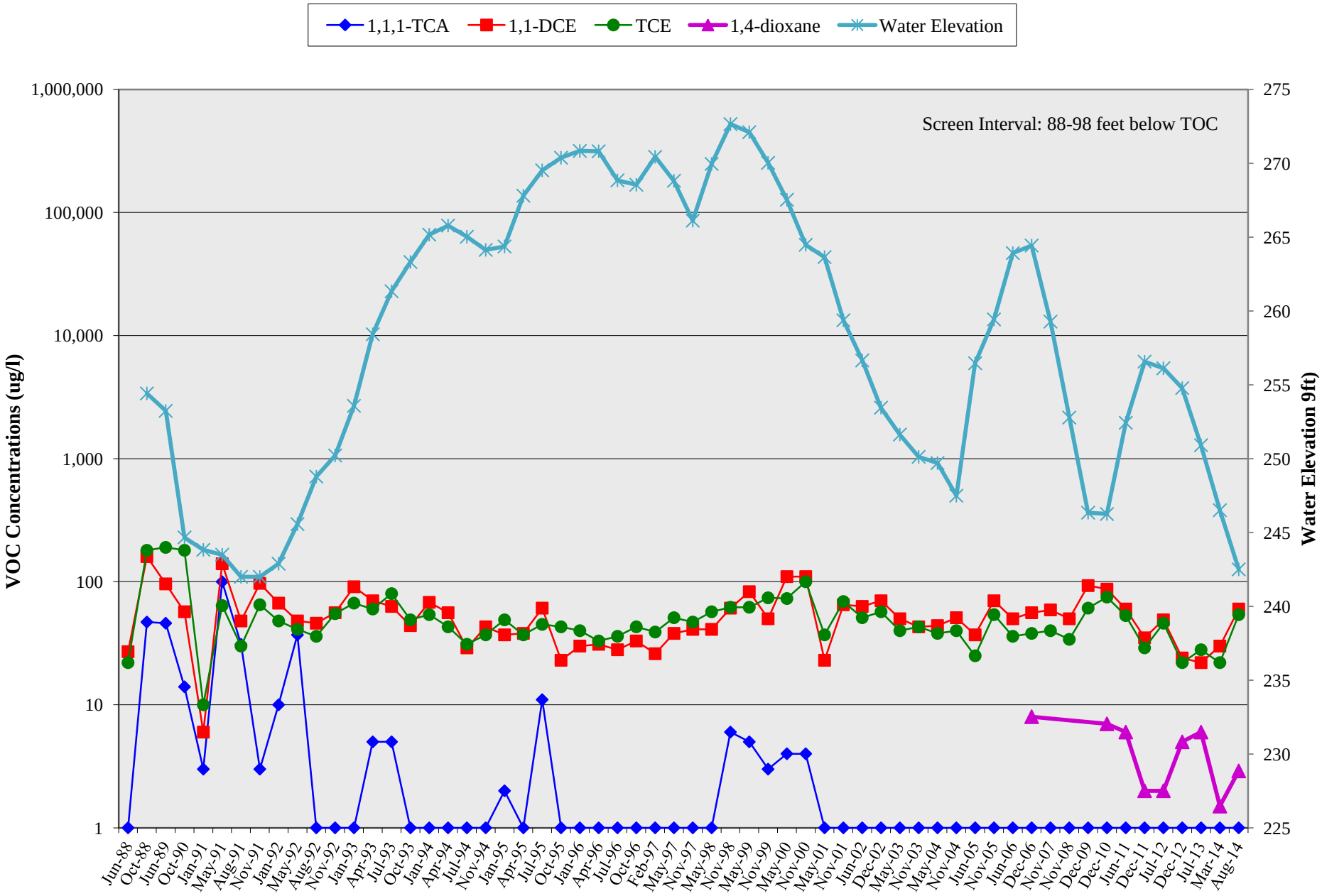
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W8	**FIGURE 4-7**



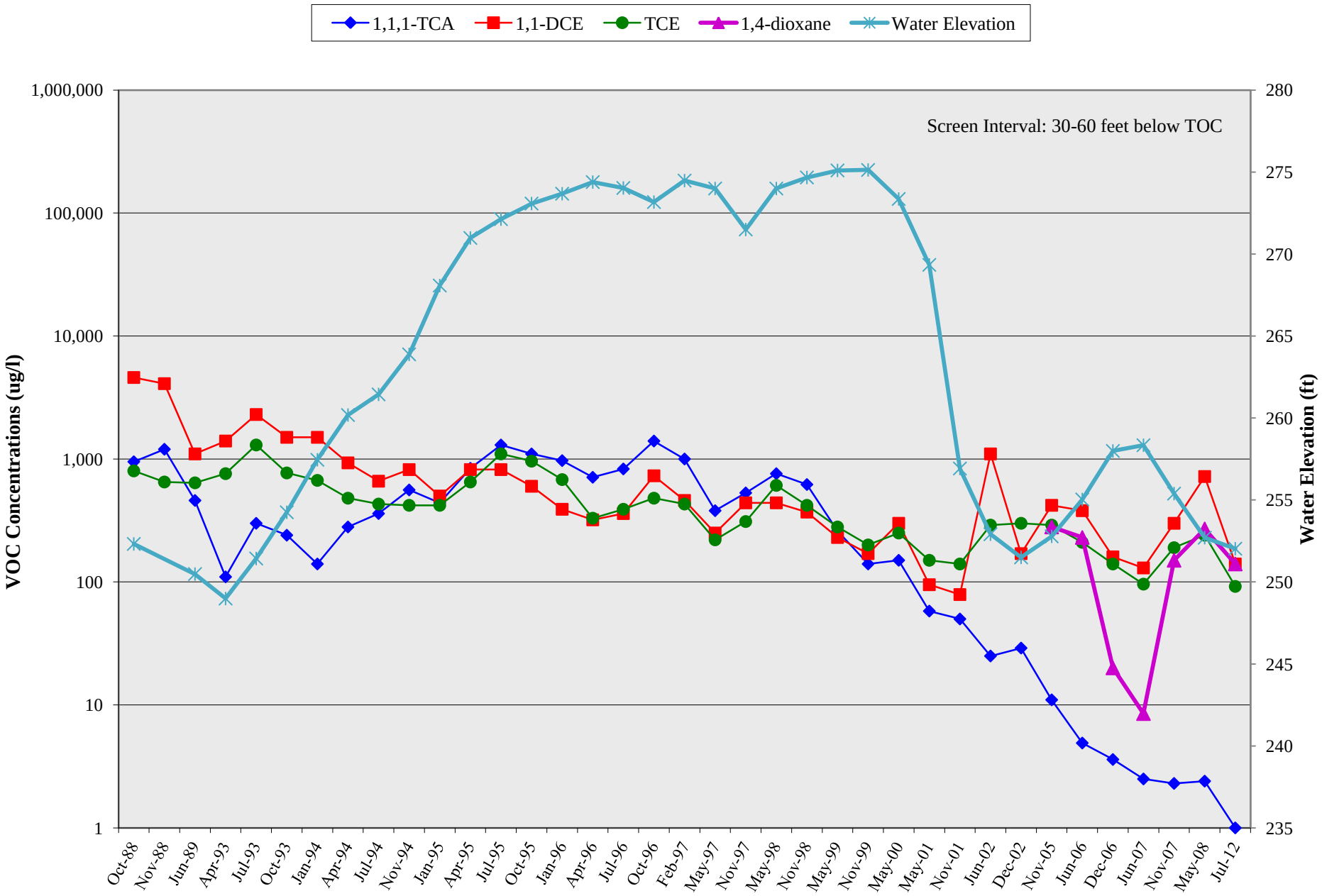
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W9	**FIGURE 4-8**



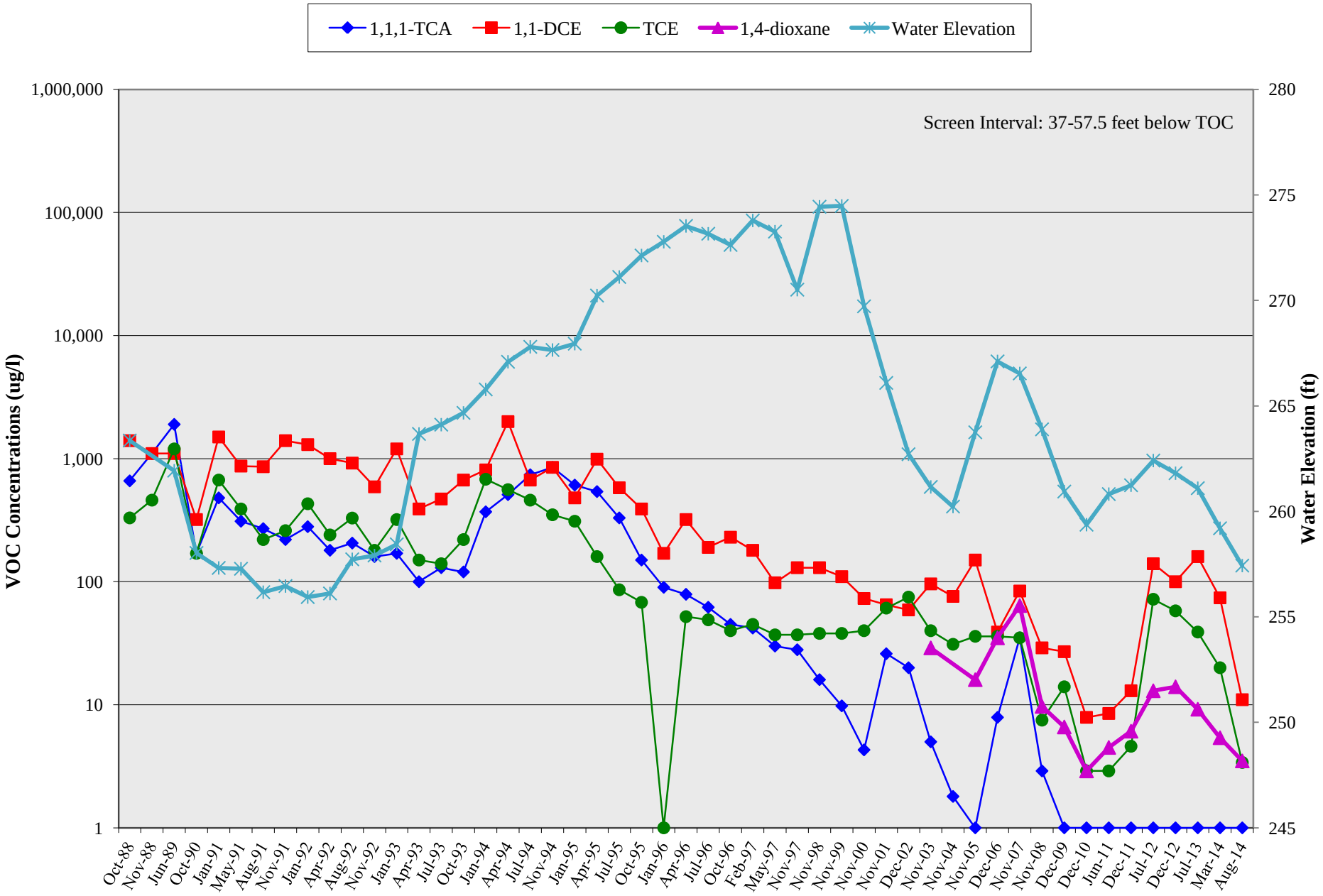
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W10	**FIGURE 4-9**



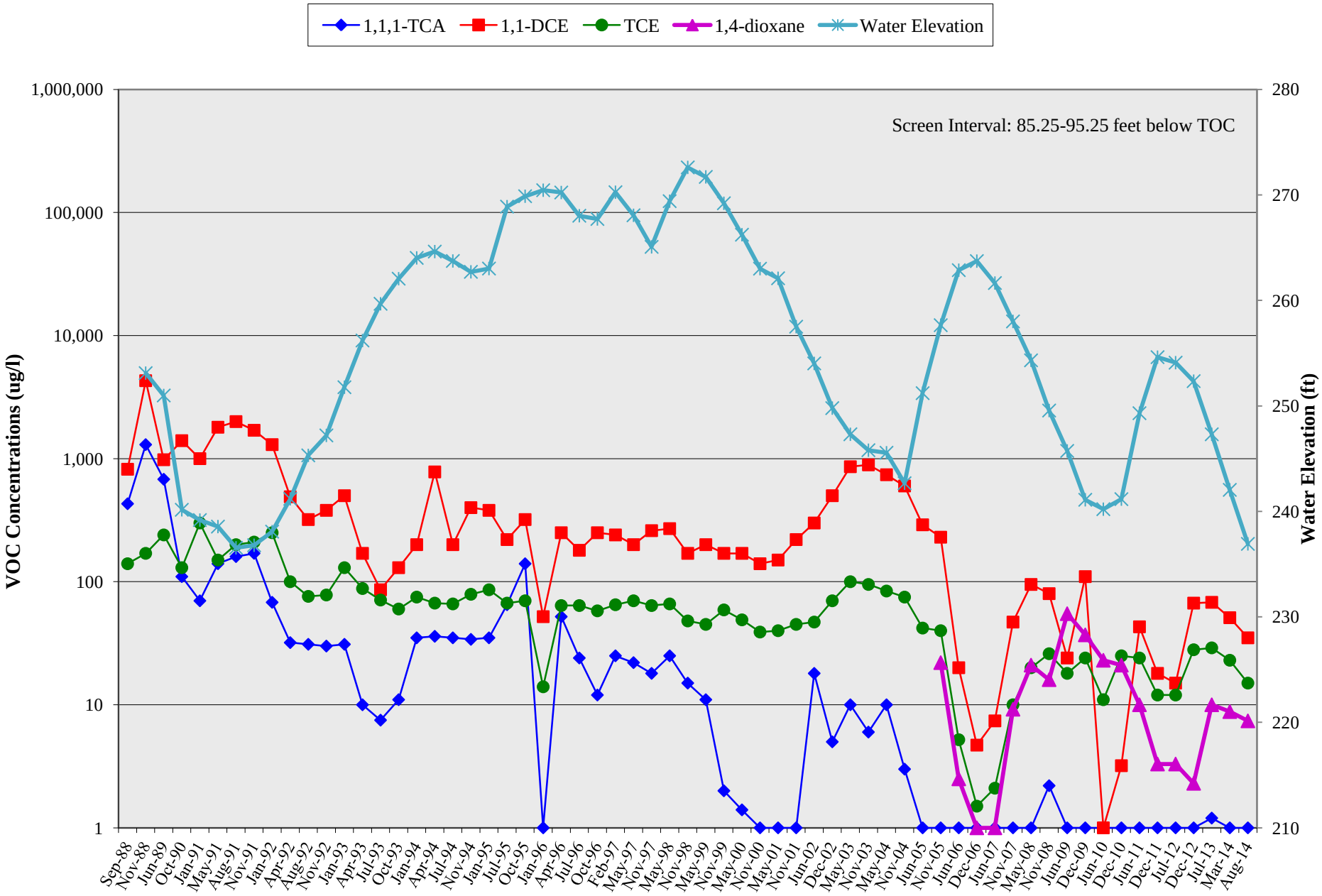
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W11	**FIGURE 4-10**



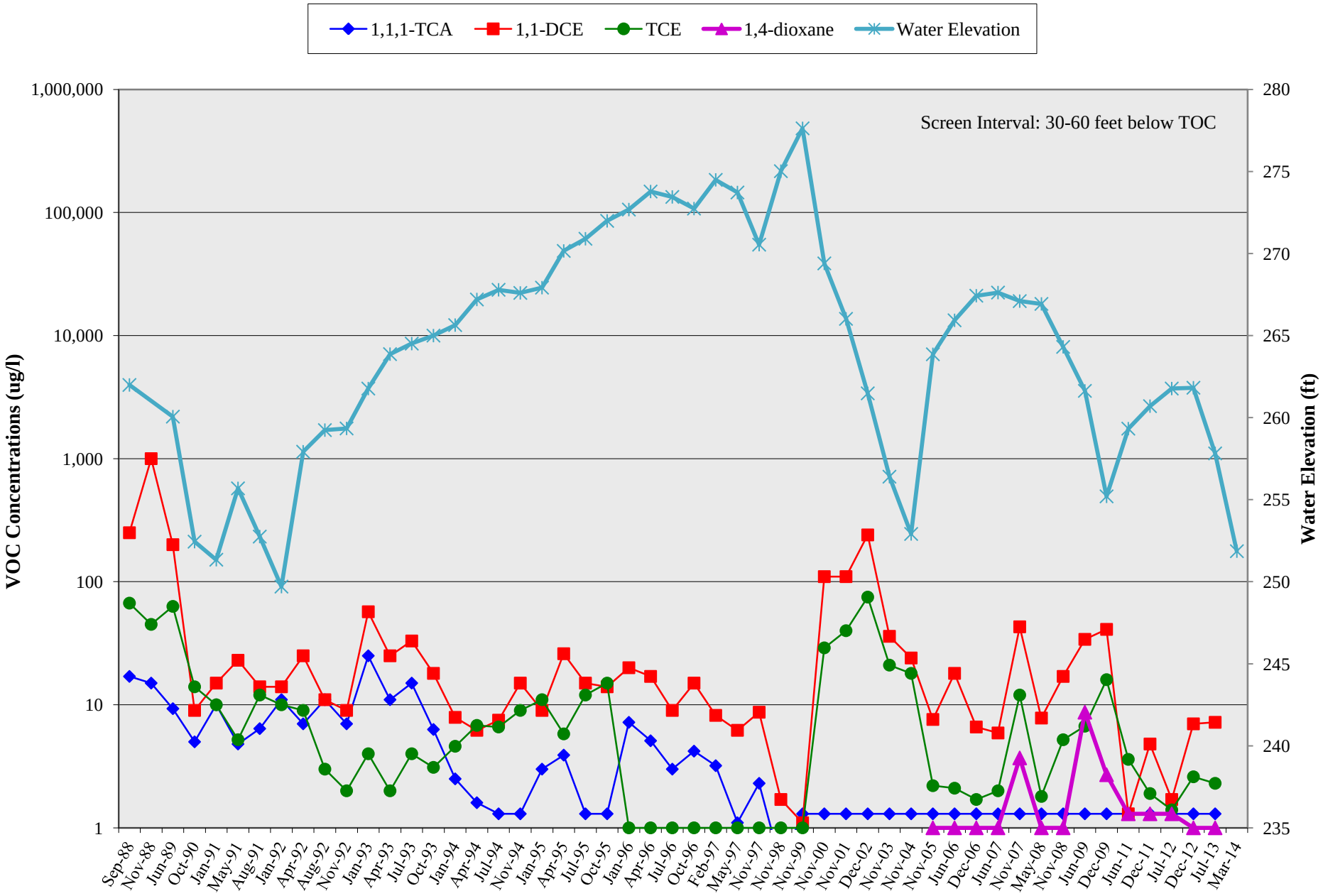
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W12	**FIGURE 4-11**



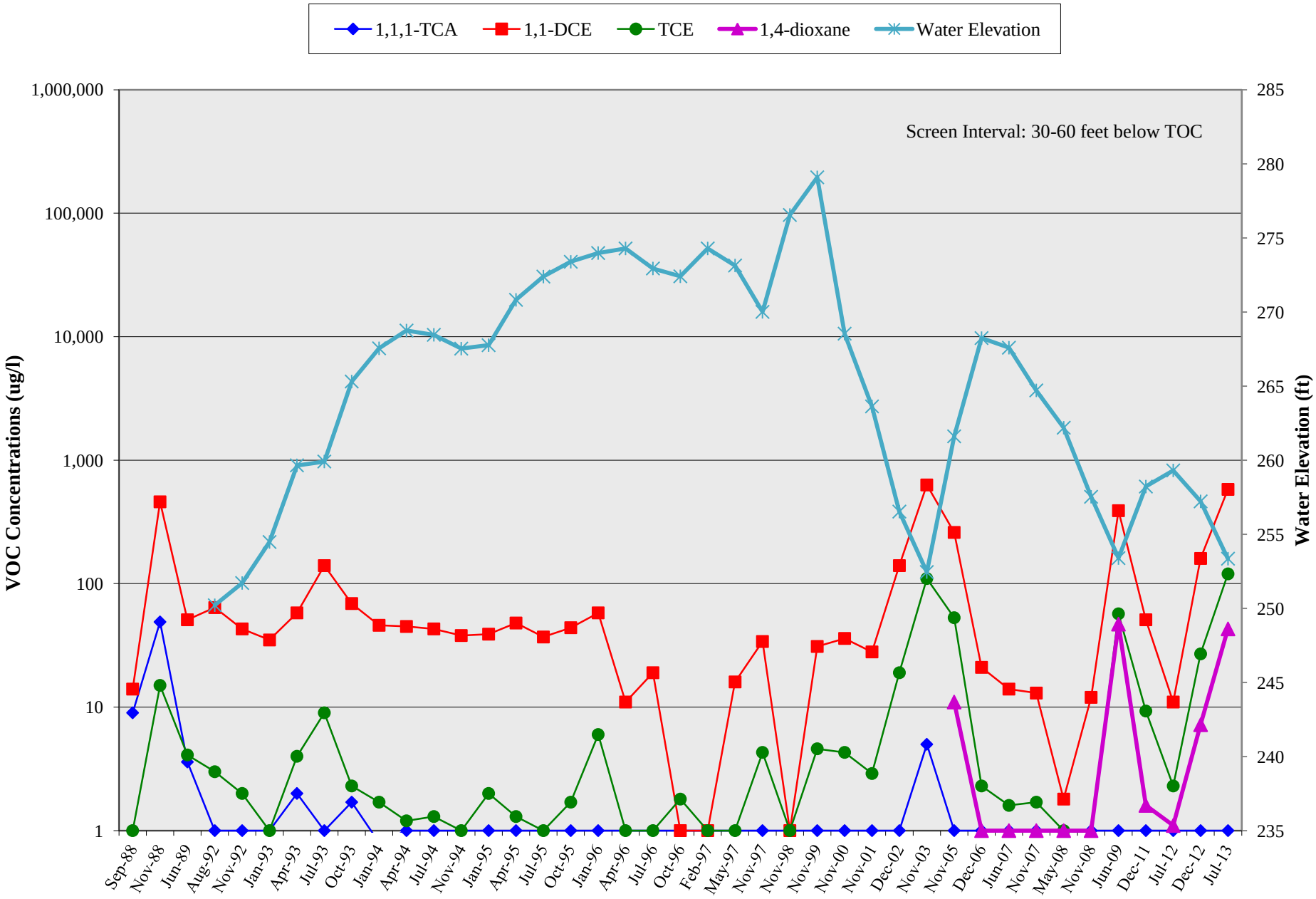
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W13	**FIGURE 4-12**



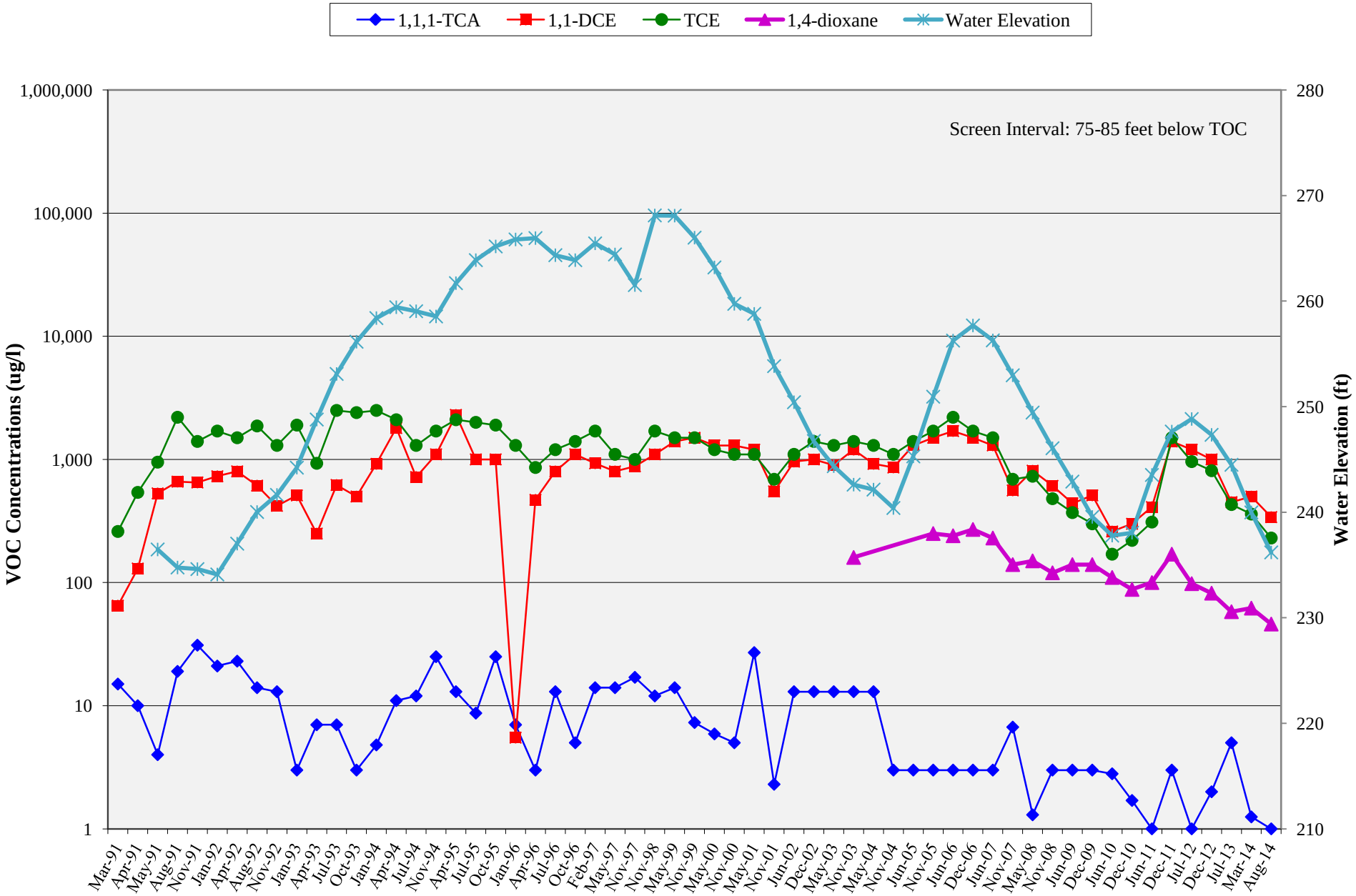
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W14	**FIGURE 4-13**



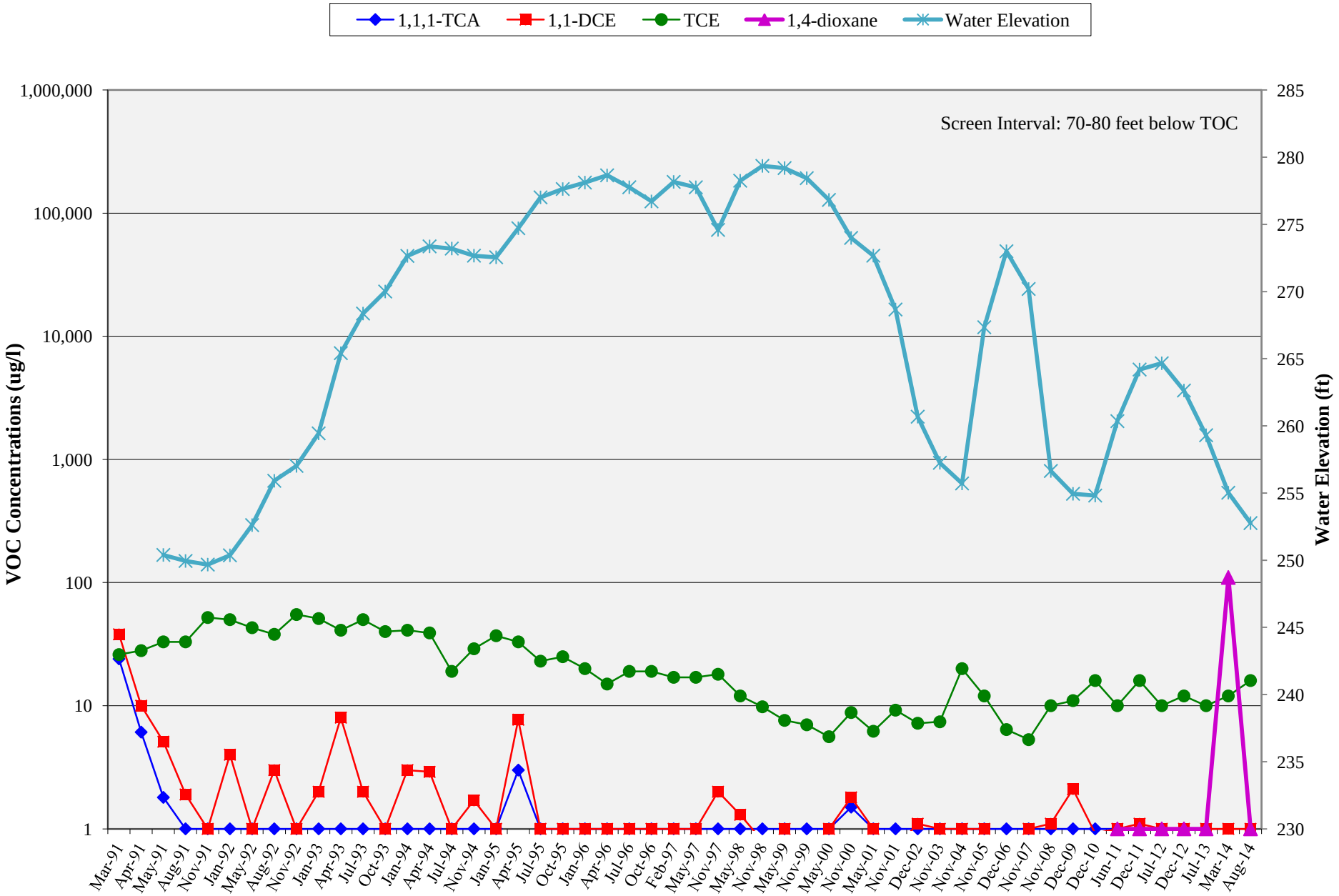
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W15	**FIGURE 4-14**



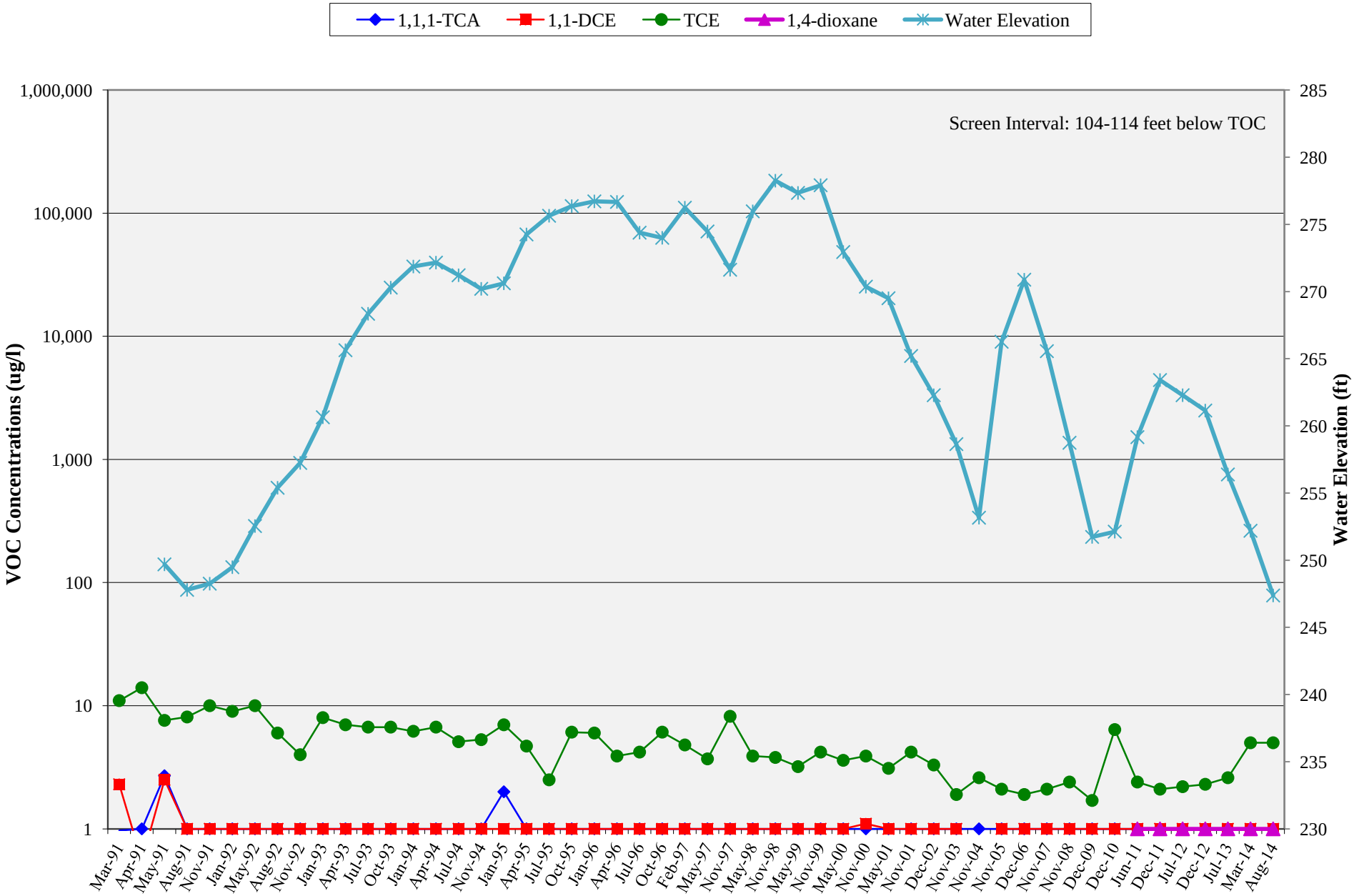
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W16	**FIGURE 4-15**



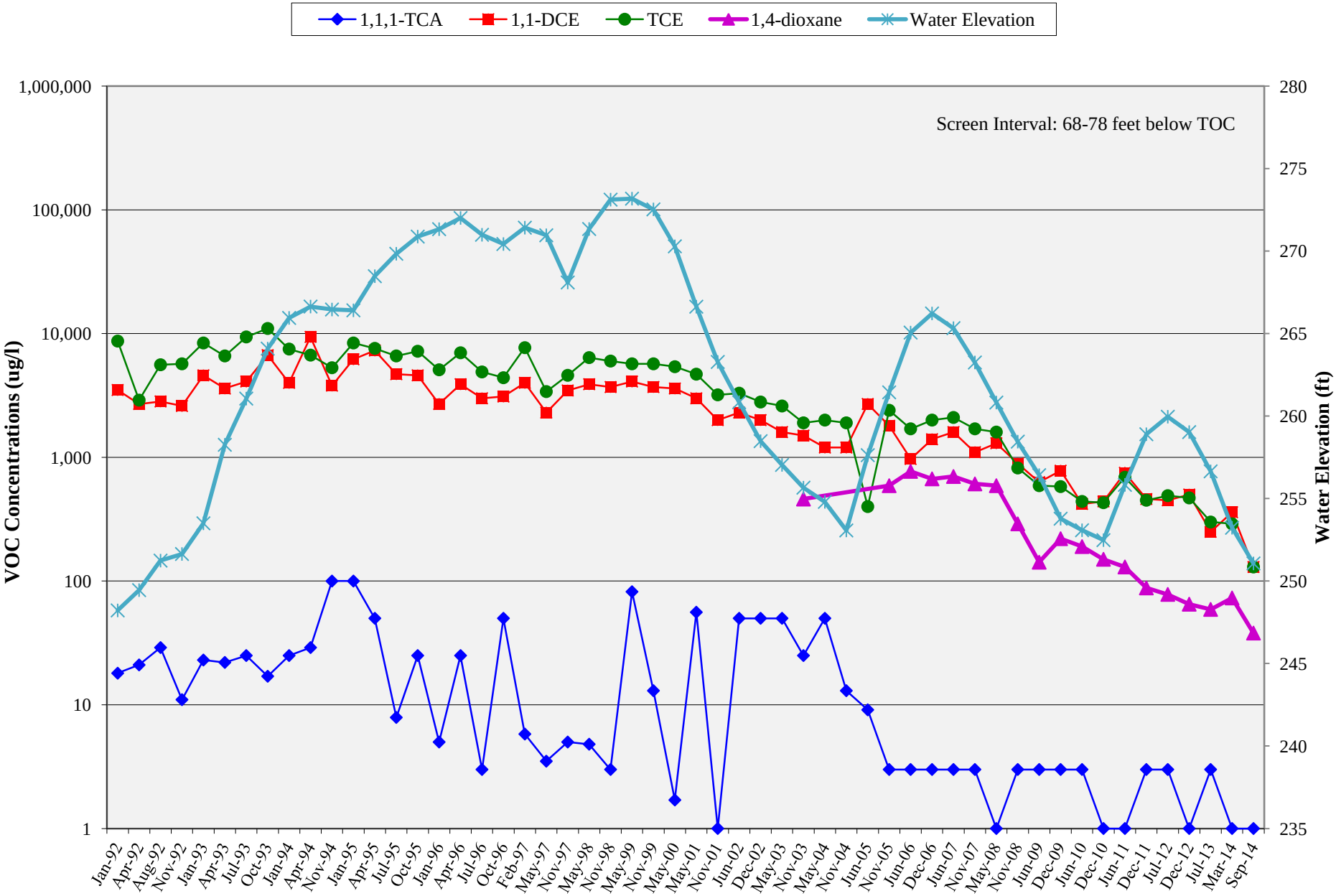
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W17	**FIGURE 4-16**



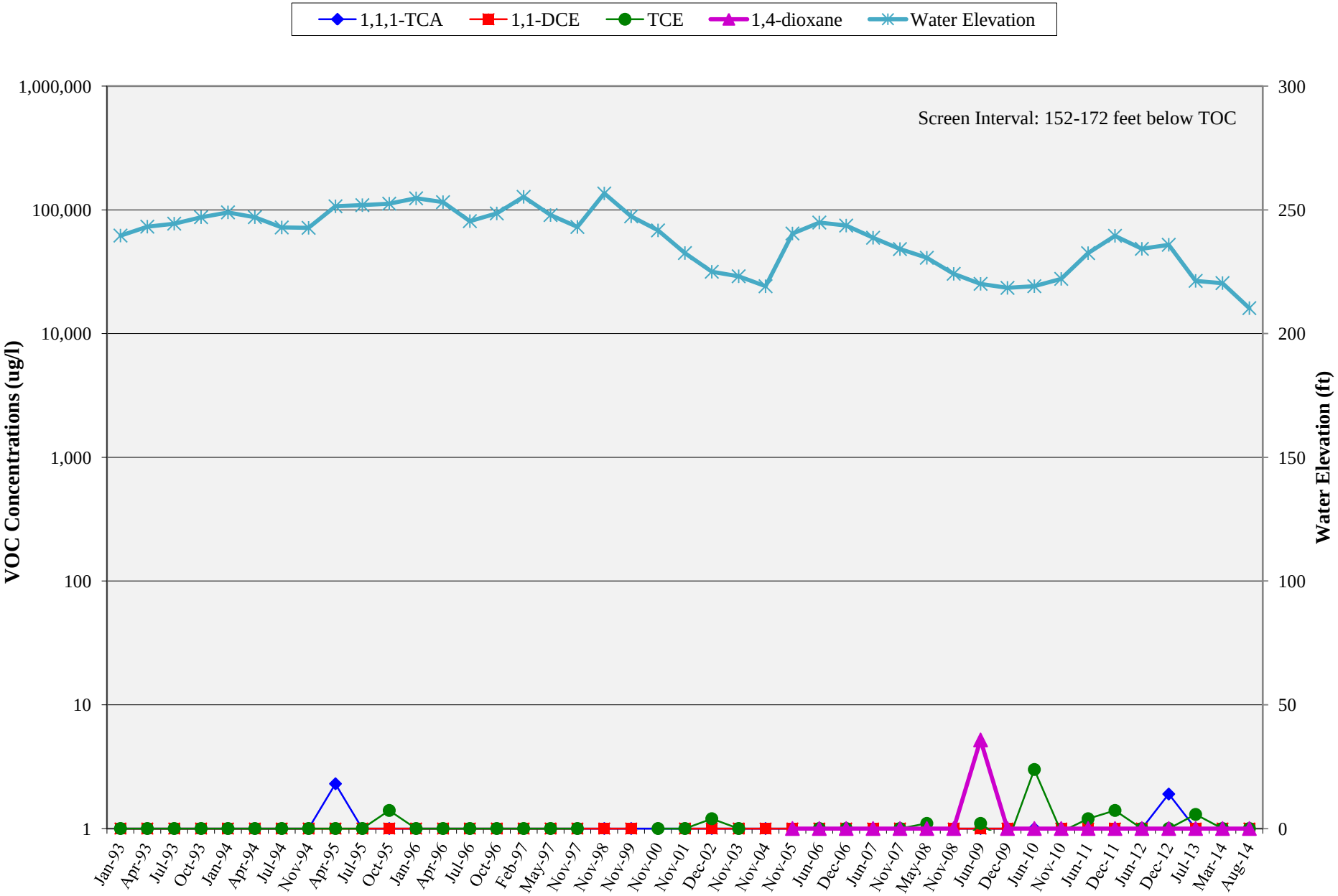
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W18	**FIGURE 4-17**



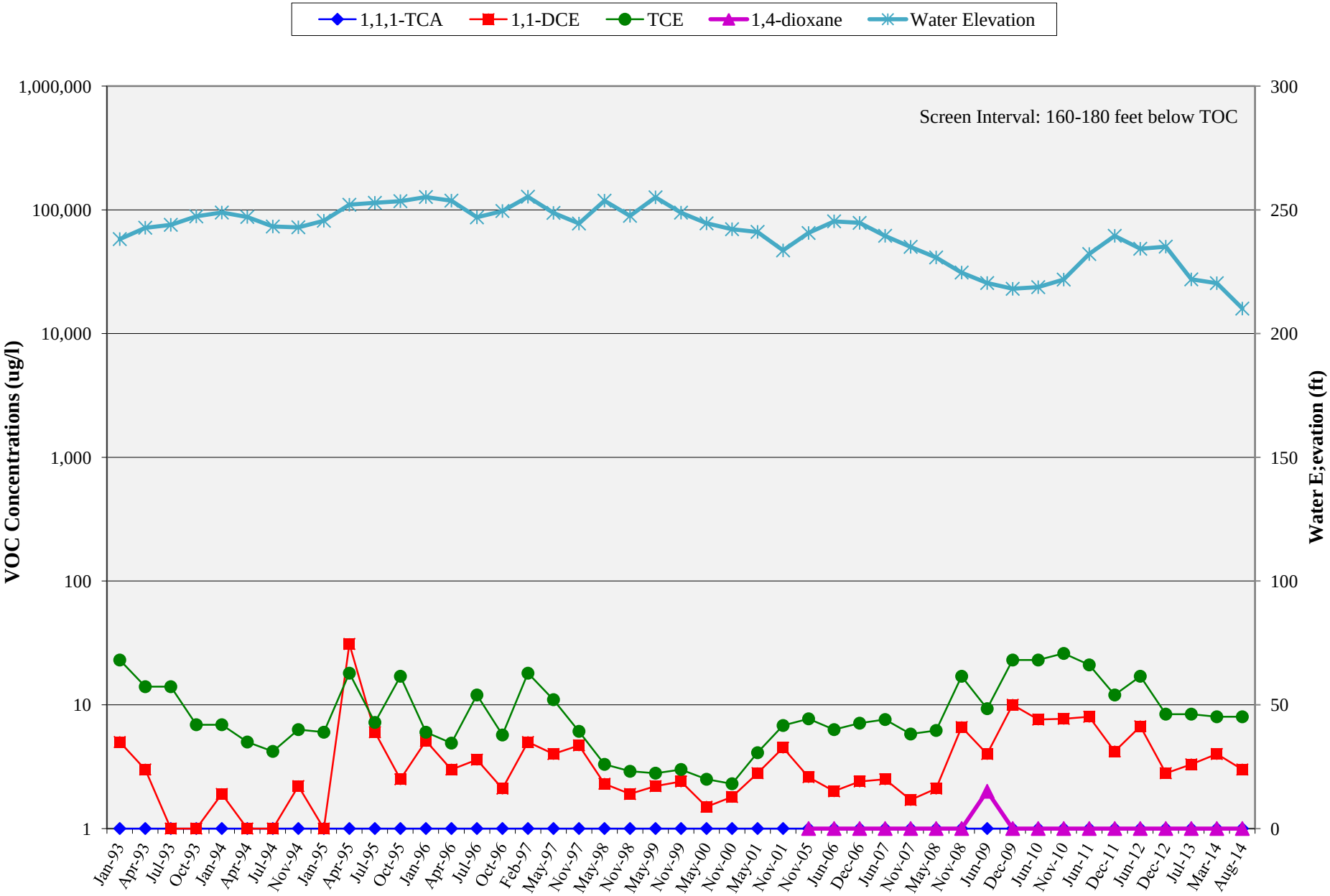
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W19	**FIGURE 4-18**



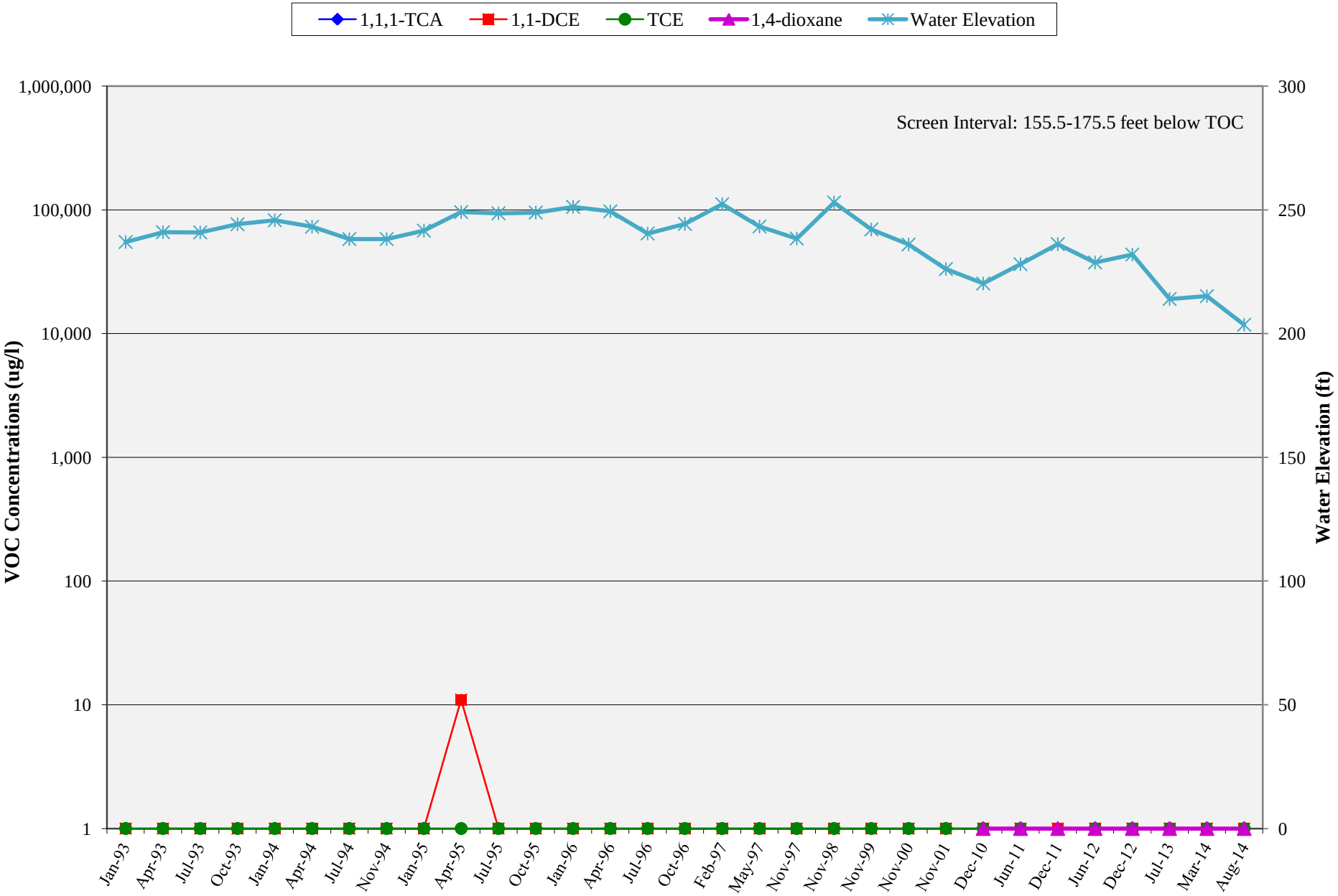
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN 06.13.041
	VOC Concentrations vs. Time - Well 20	**FIGURE 4-19**



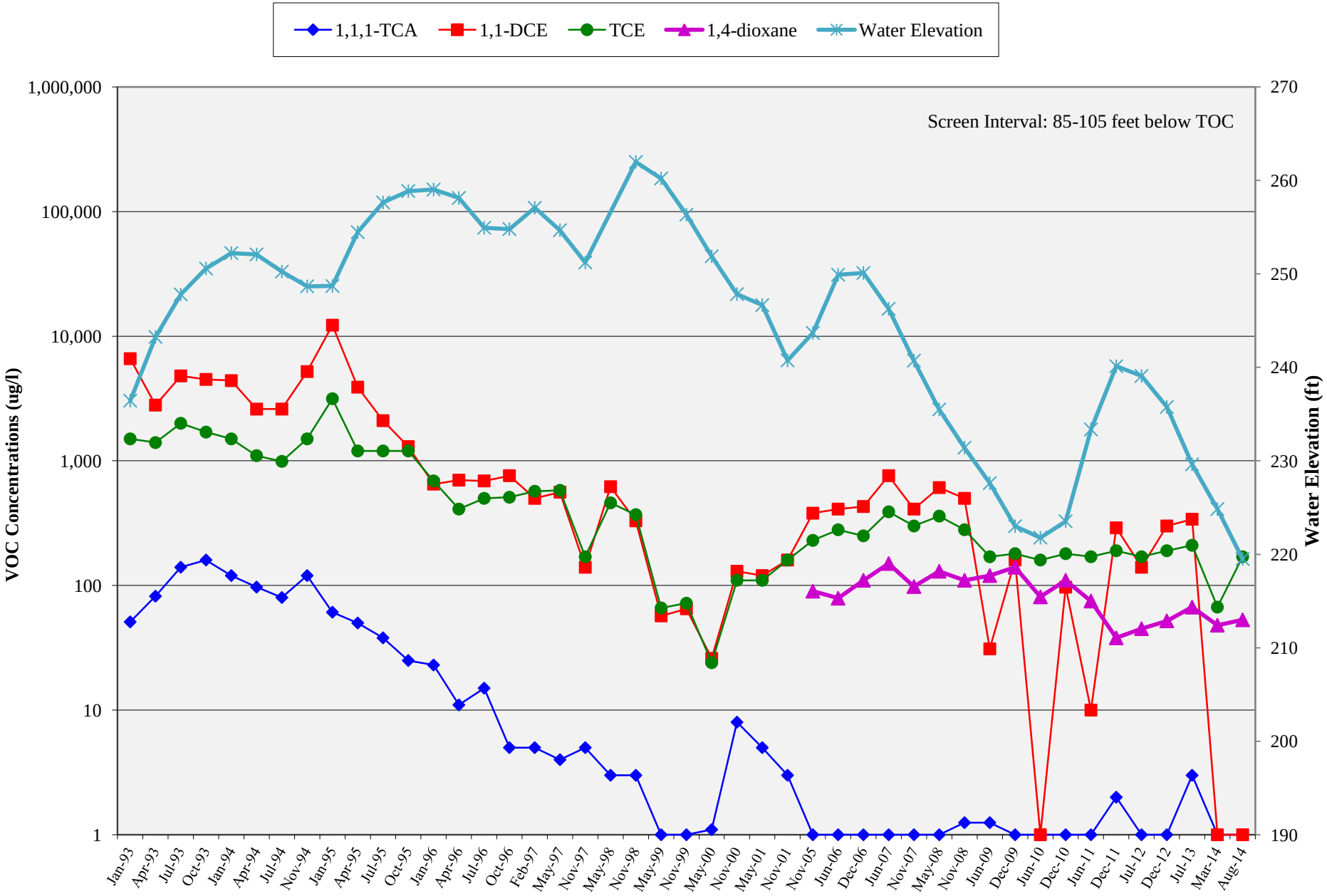
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN 06.13.041
	VOC Concentrations vs. Time - Well 21	**FIGURE 4-20**



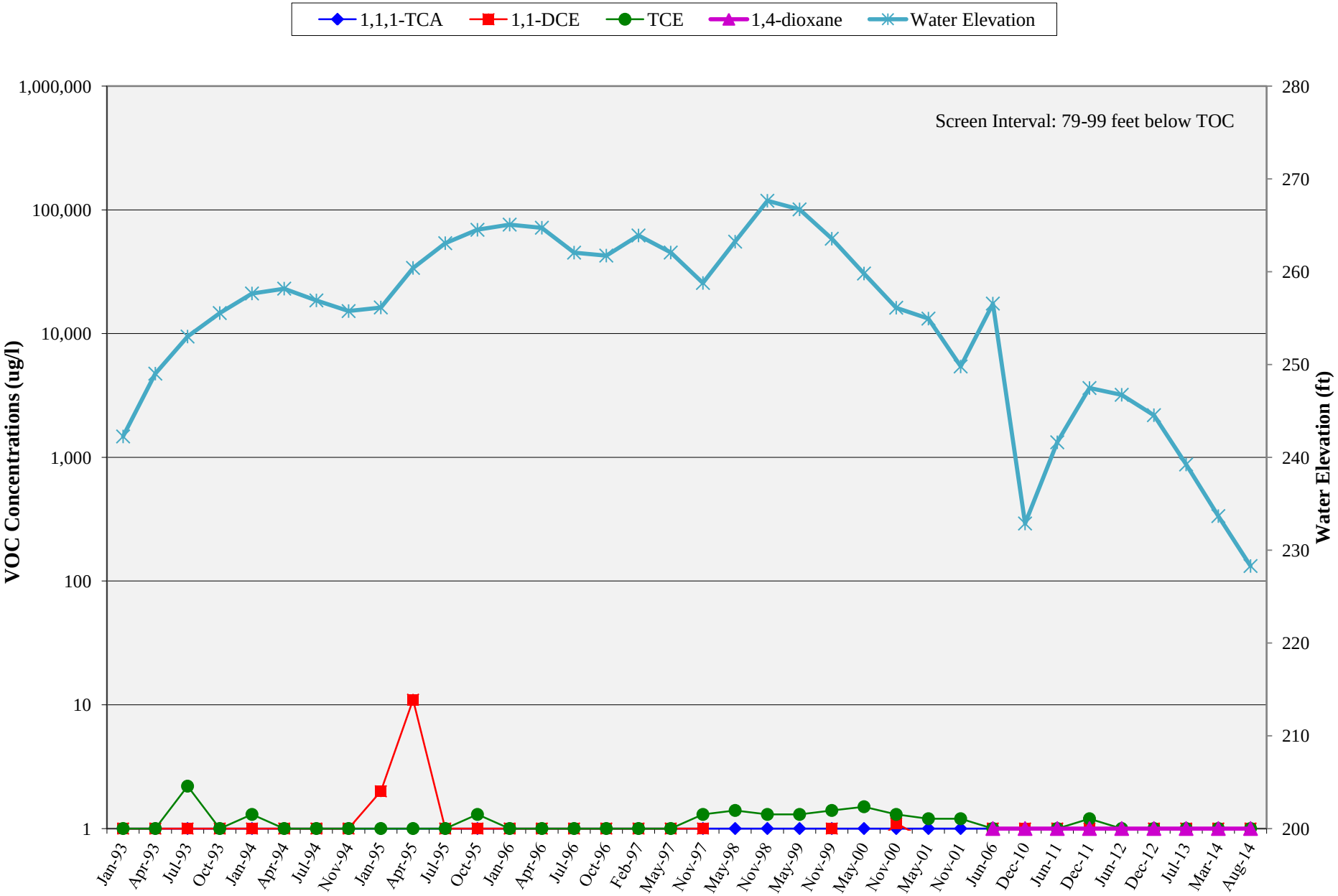
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN 06.13.041
	VOC Concentrations vs. Time - Well 22	**FIGURE 4-21**



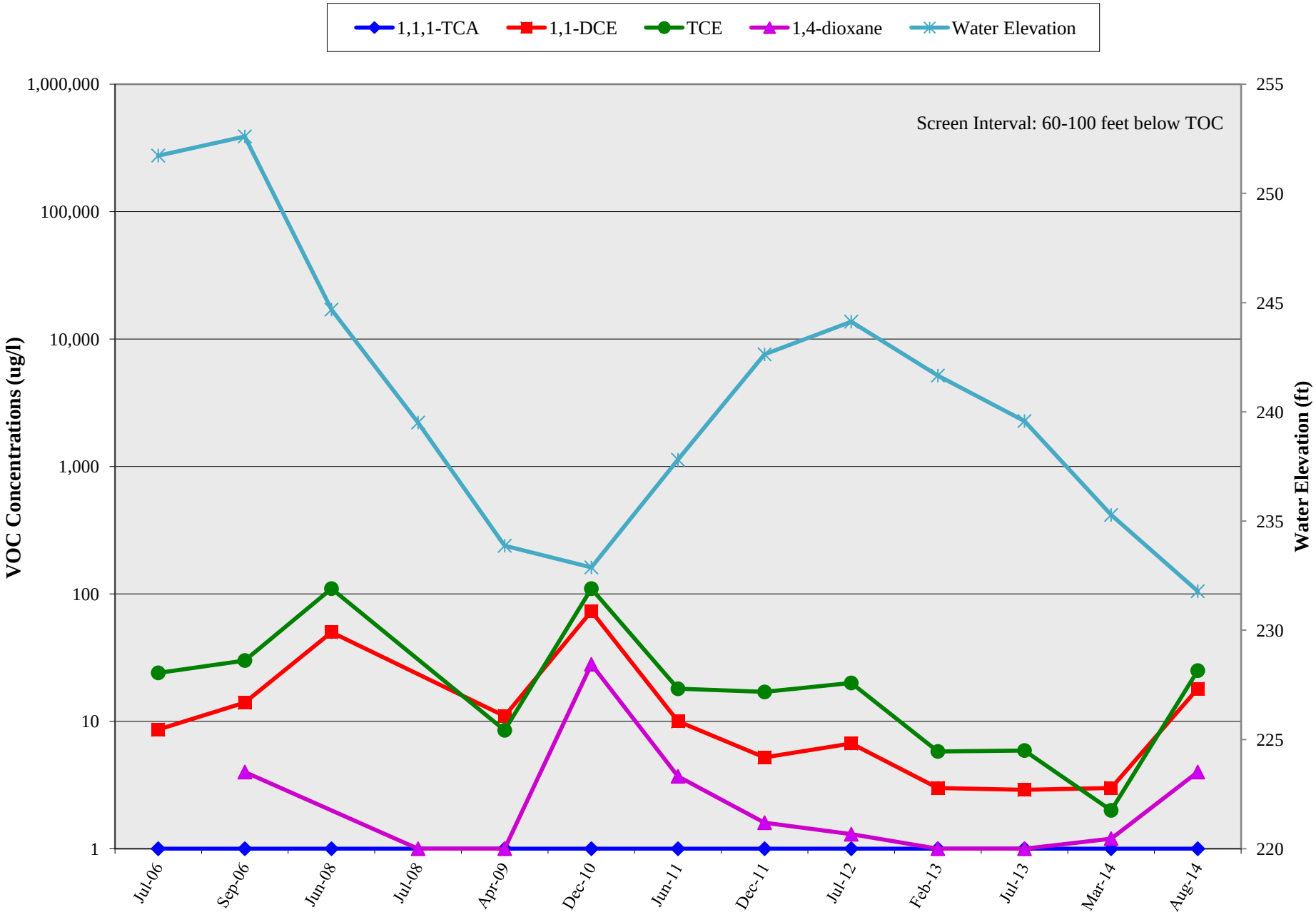
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN 06.13.041
	VOC Concentrations vs. Time - Well 23	**FIGURE 4-22**



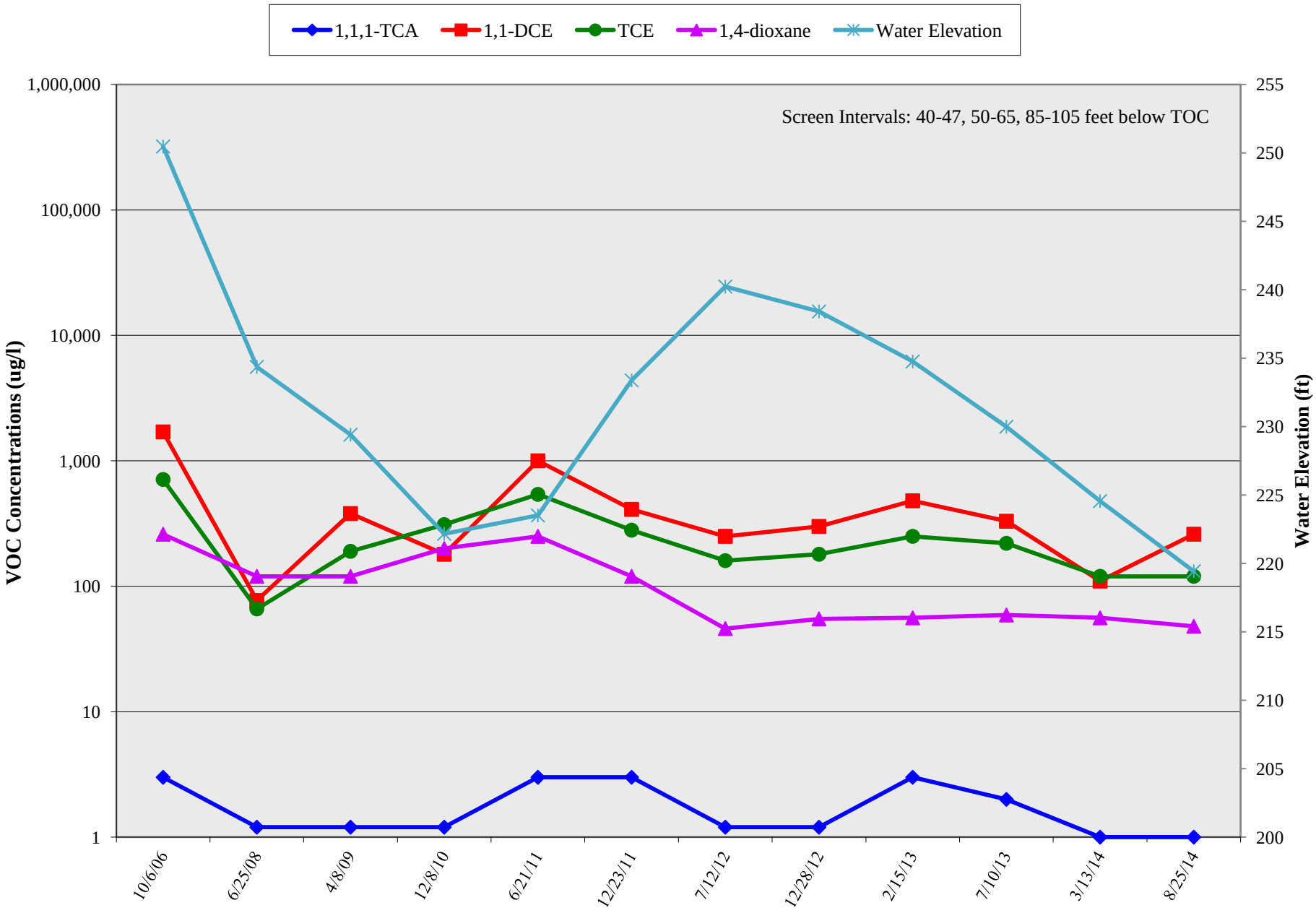
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well W24	**FIGURE 4-23**



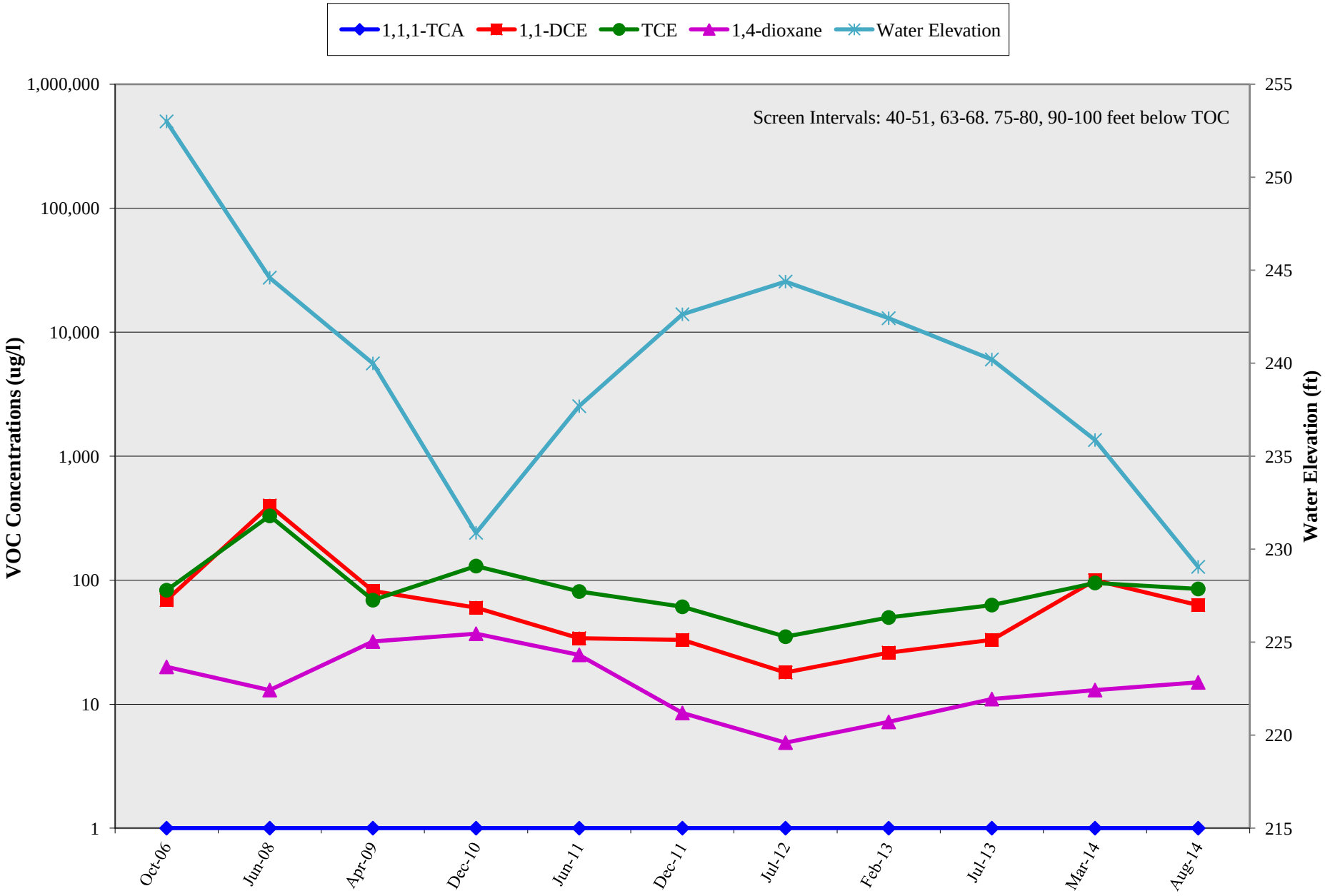
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN 06.13.041
	VOC Concentrations vs. Time - Well 25	**FIGURE 4-24**



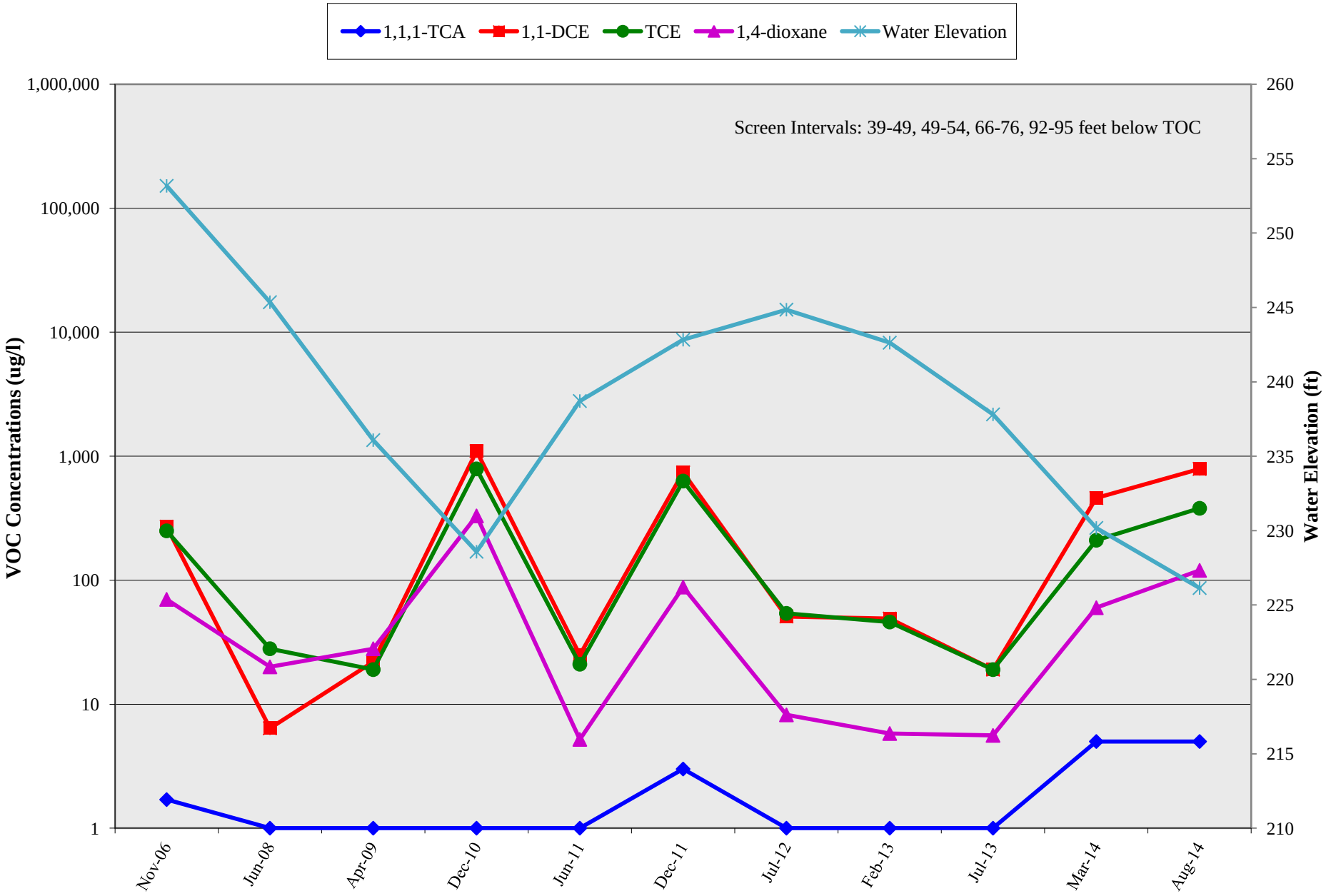
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well EW1	**FIGURE 4-25**



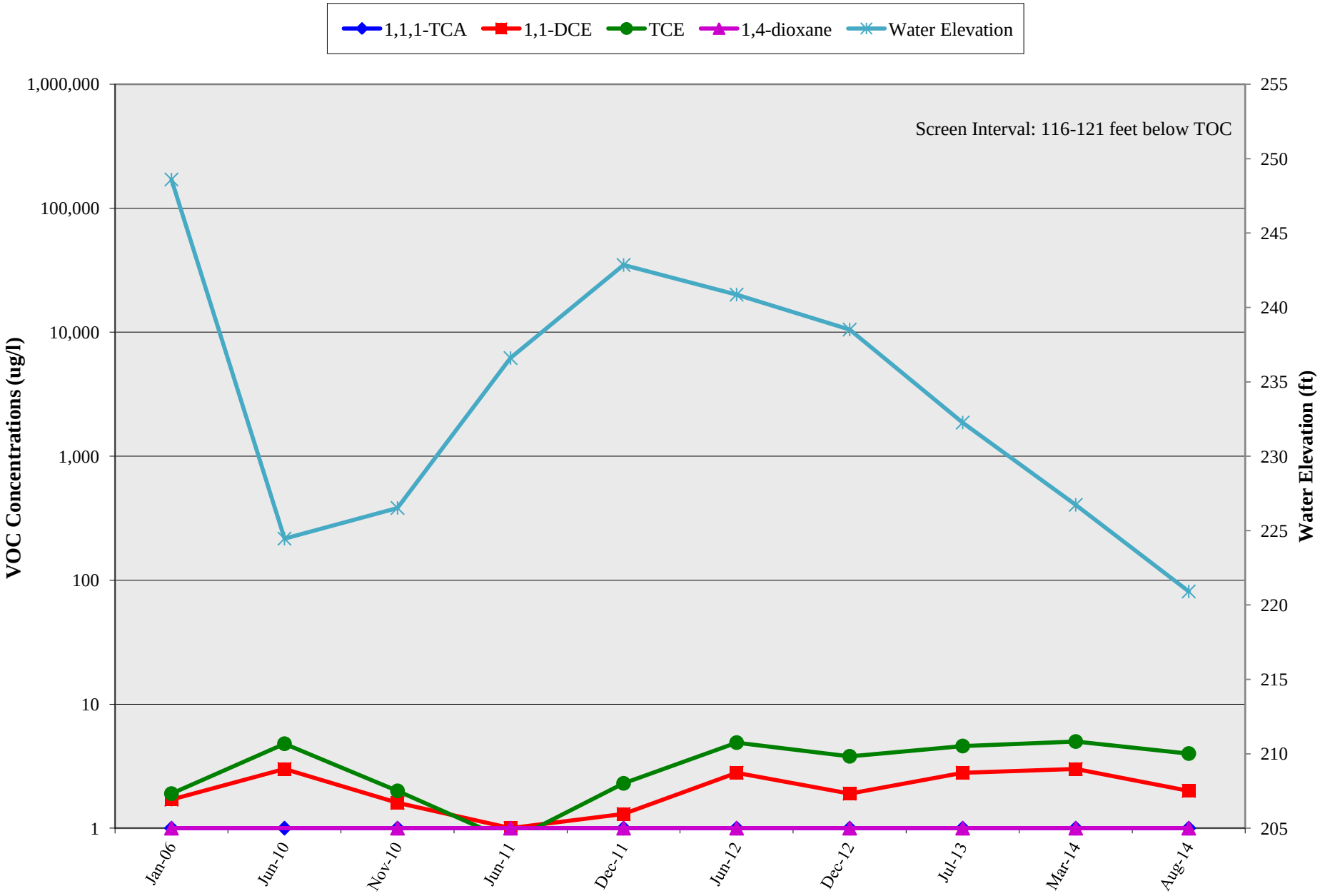
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well EW2	**FIGURE 4-26**



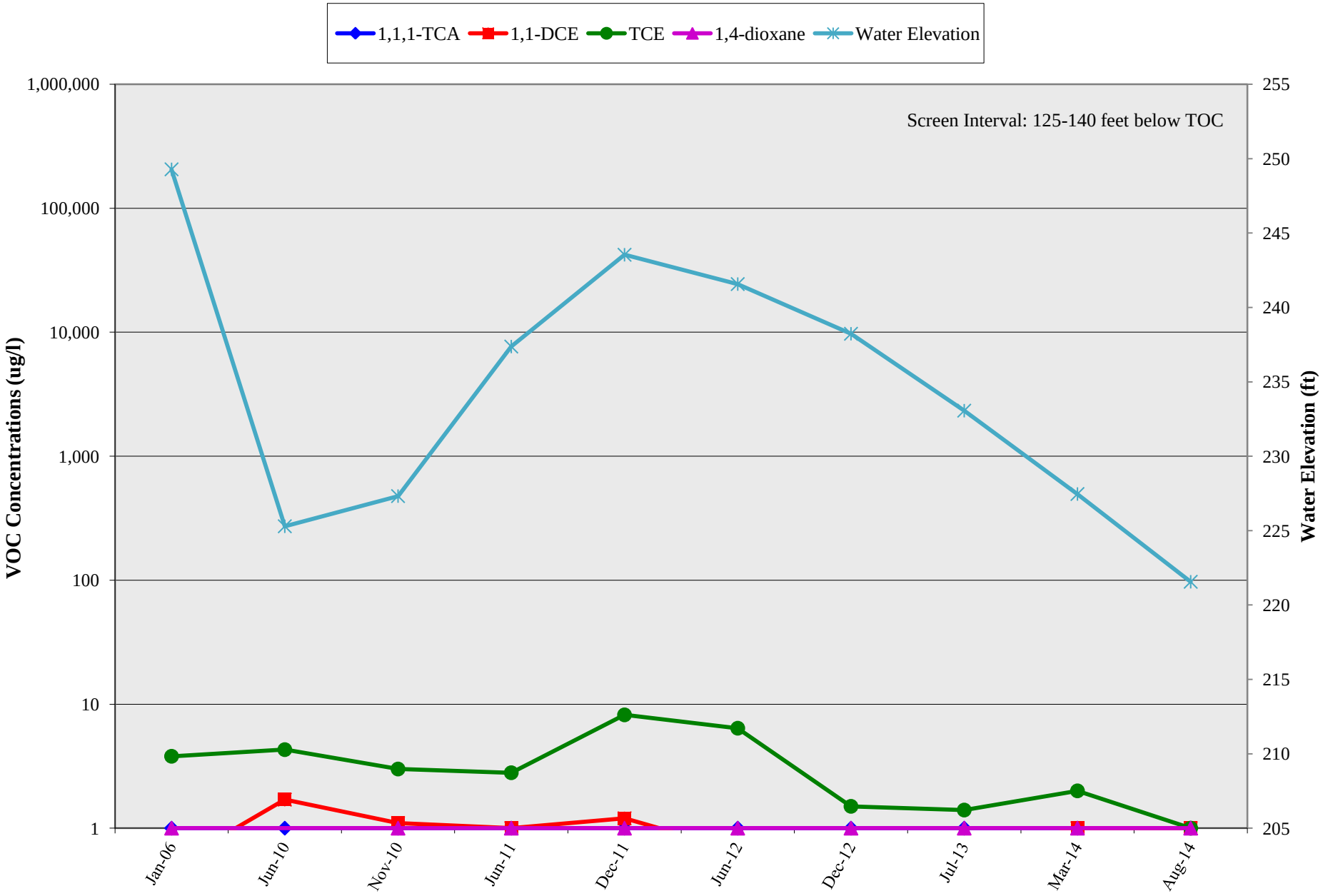
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well EW3	**FIGURE 4-27**



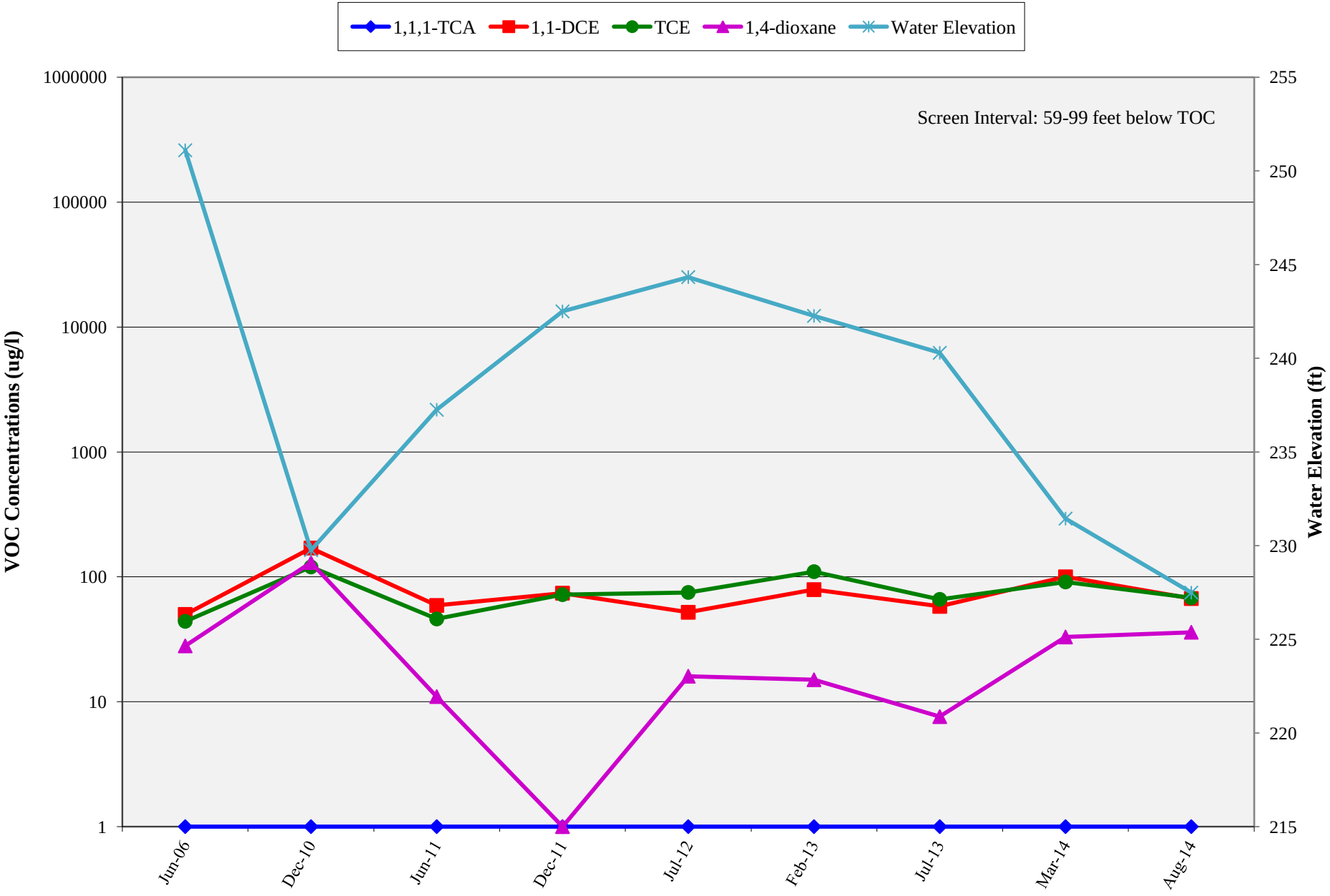
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well EW4	**FIGURE 4-28**



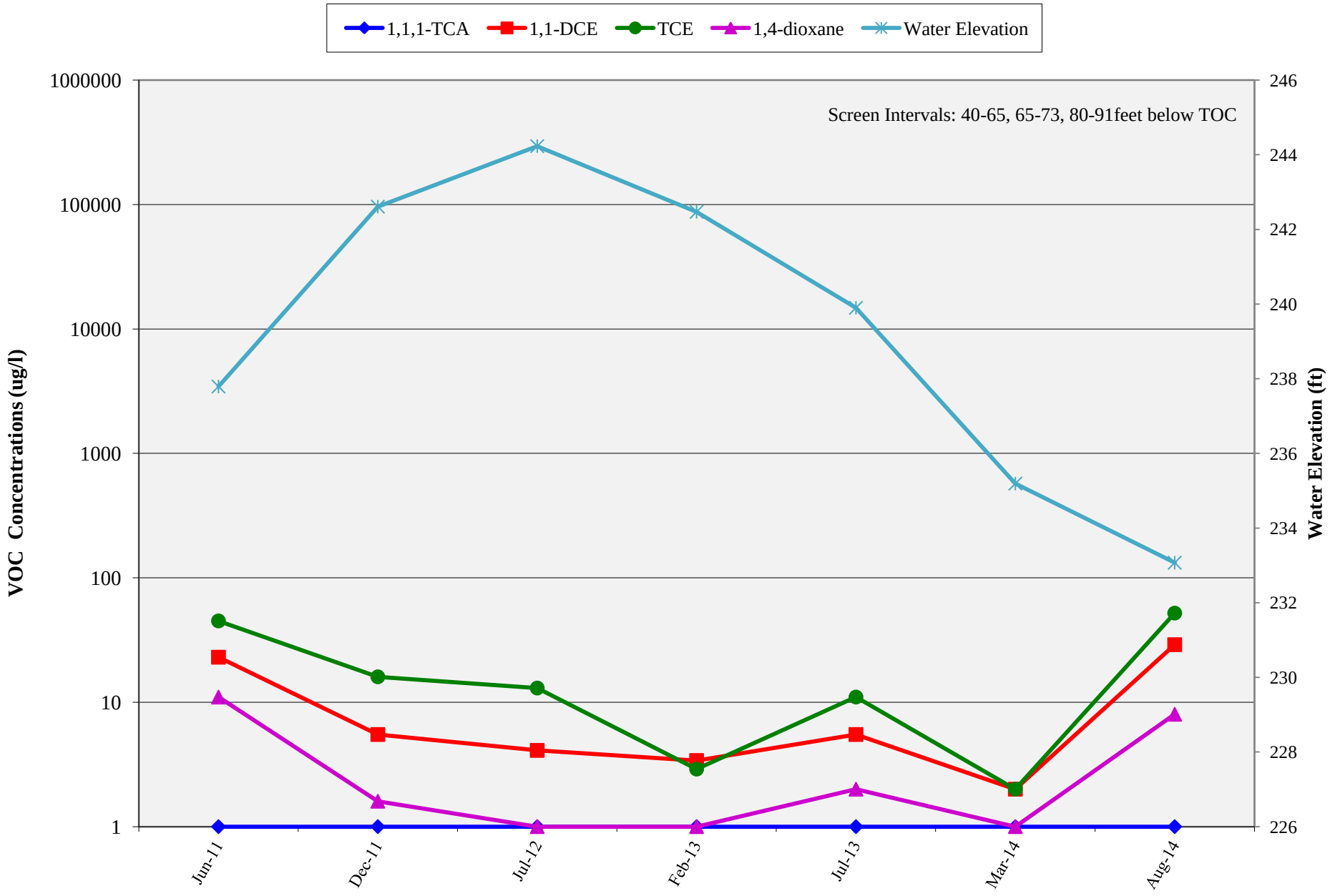
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well PZ-1	**FIGURE 4-29**



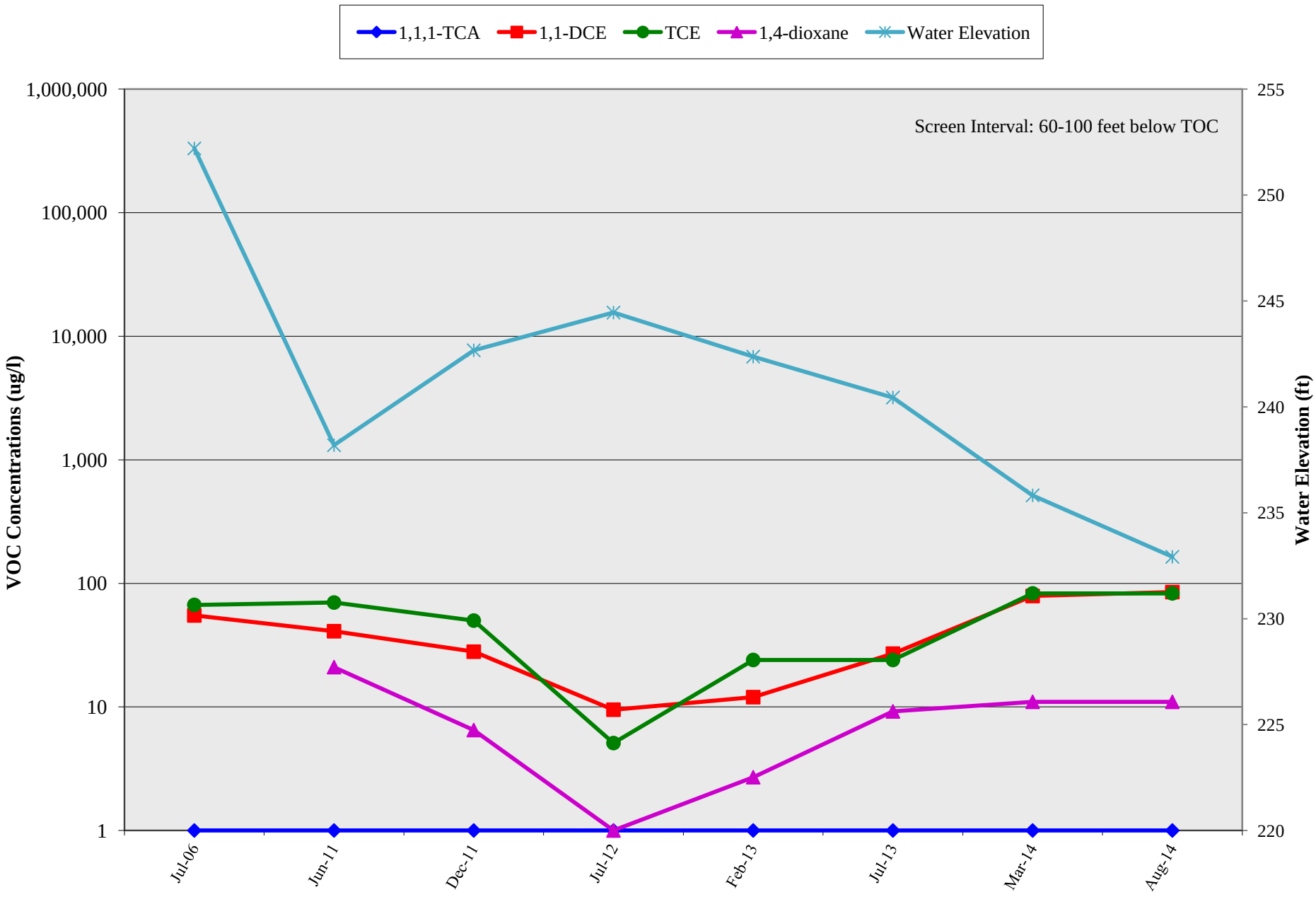
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well PZ-2	**FIGURE 4-30**



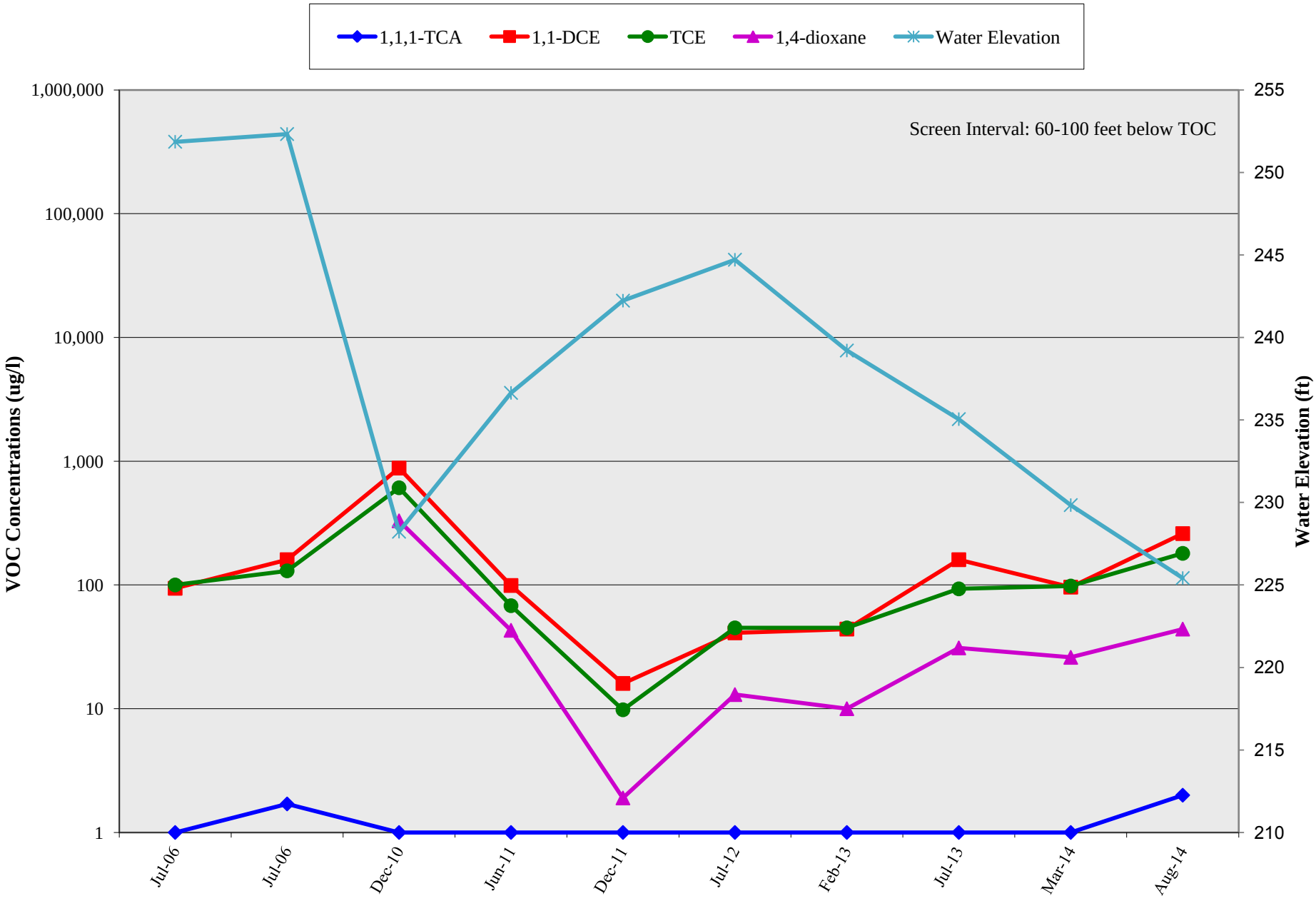
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well PZ-3	**FIGURE 4-31**



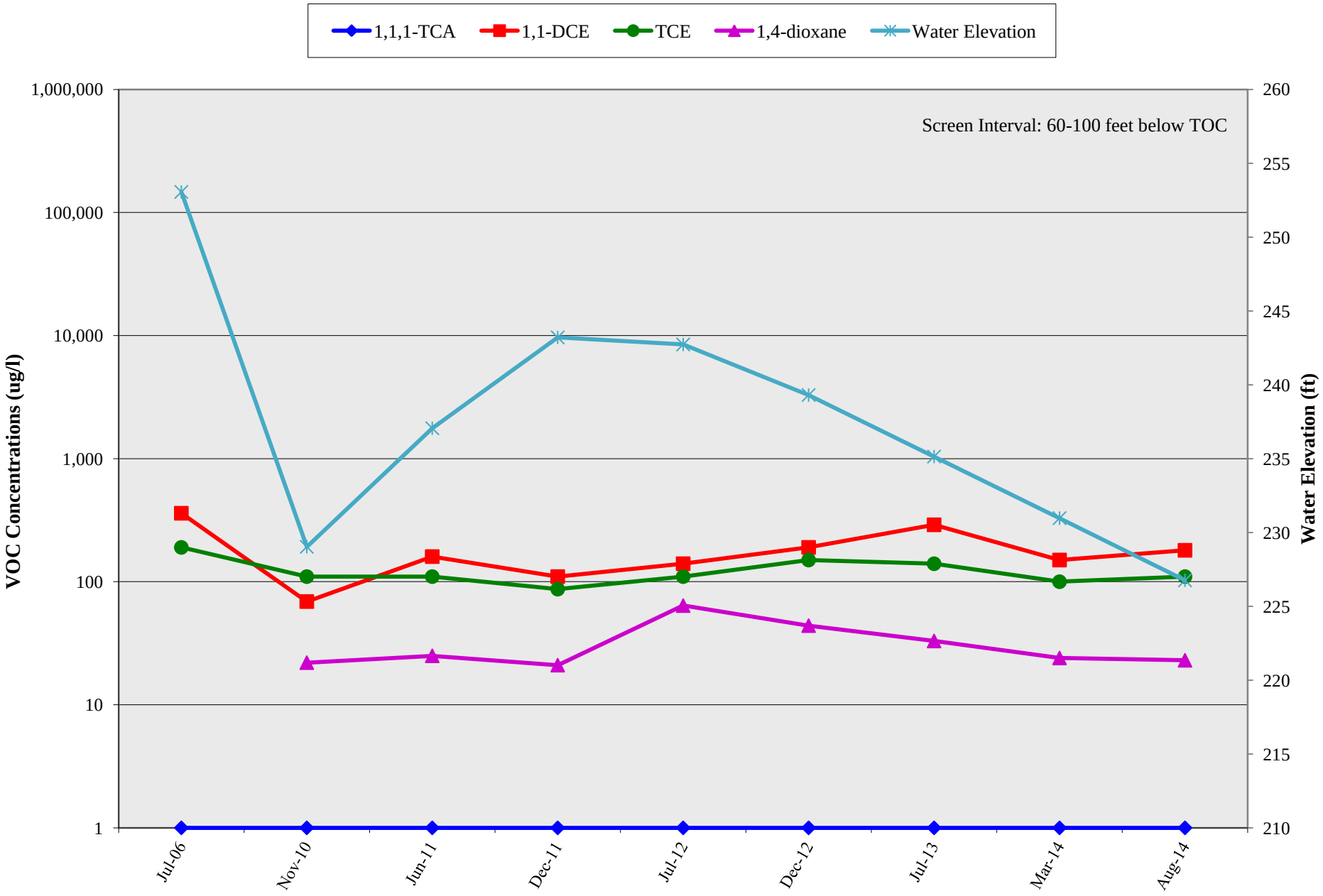
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well PZ-4	**FIGURE 4-32**



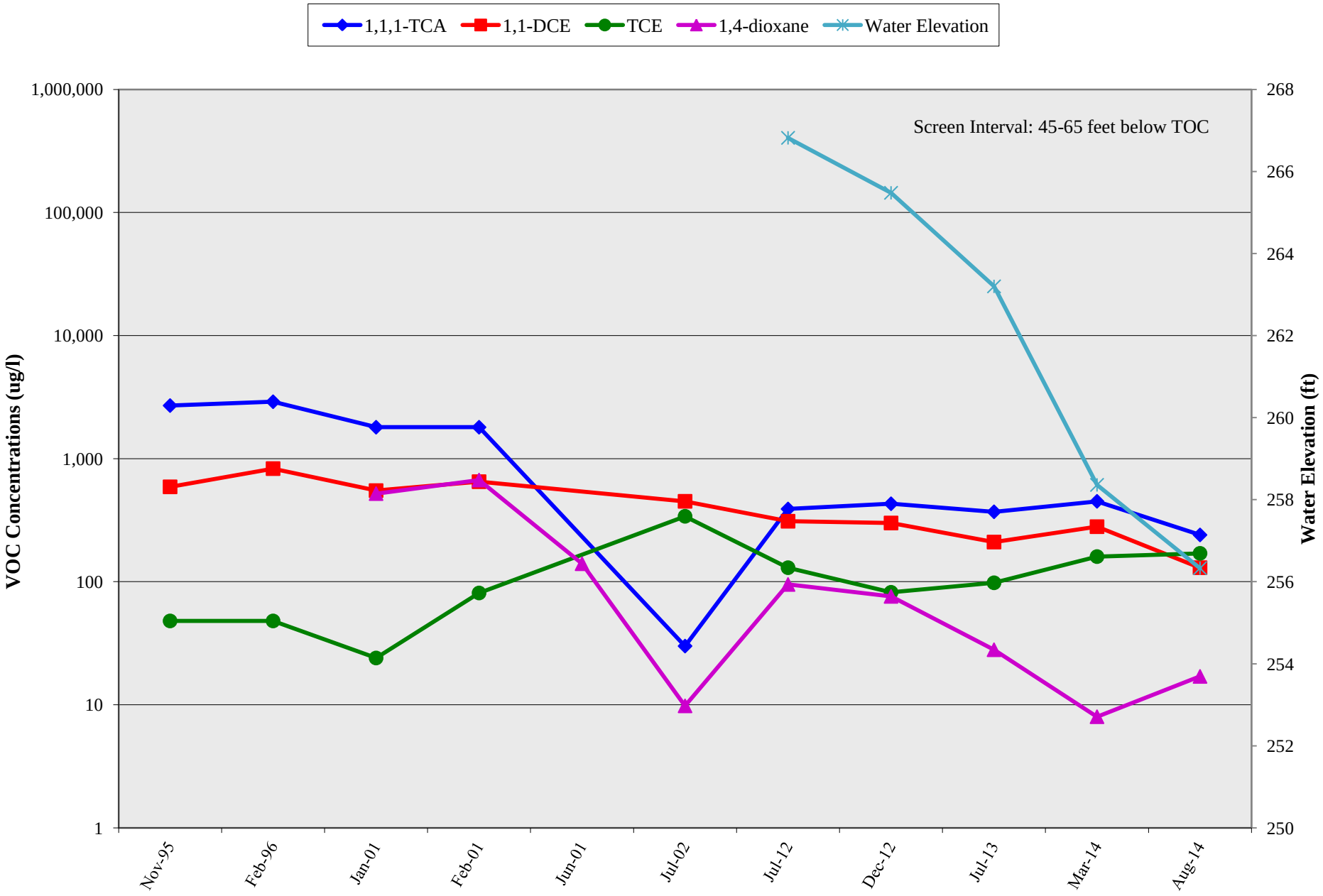
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well PZ-5	**FIGURE 4-33**



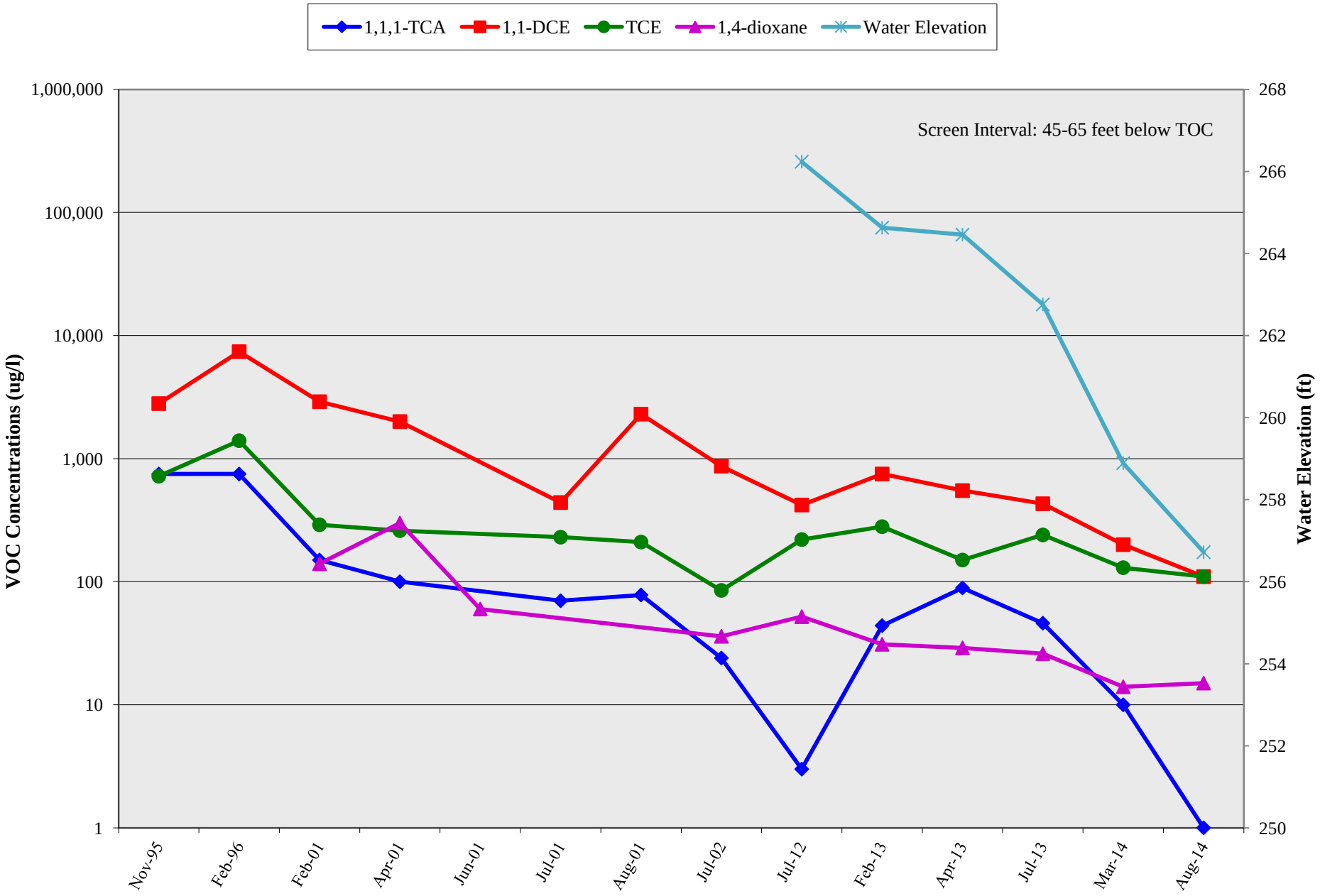
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well PZ-6	**FIGURE 4-34**



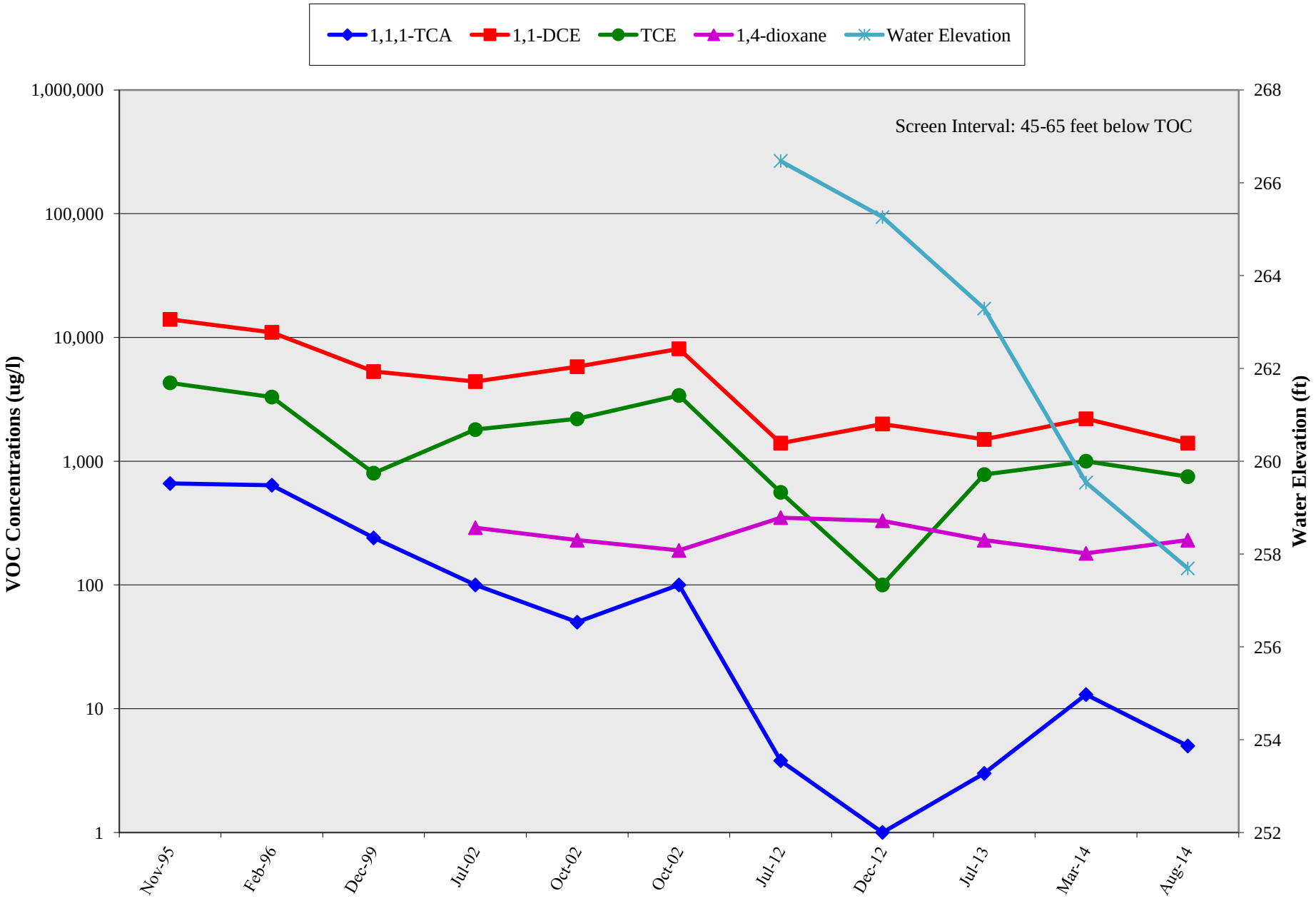
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well PZ-7	**FIGURE 4-35**



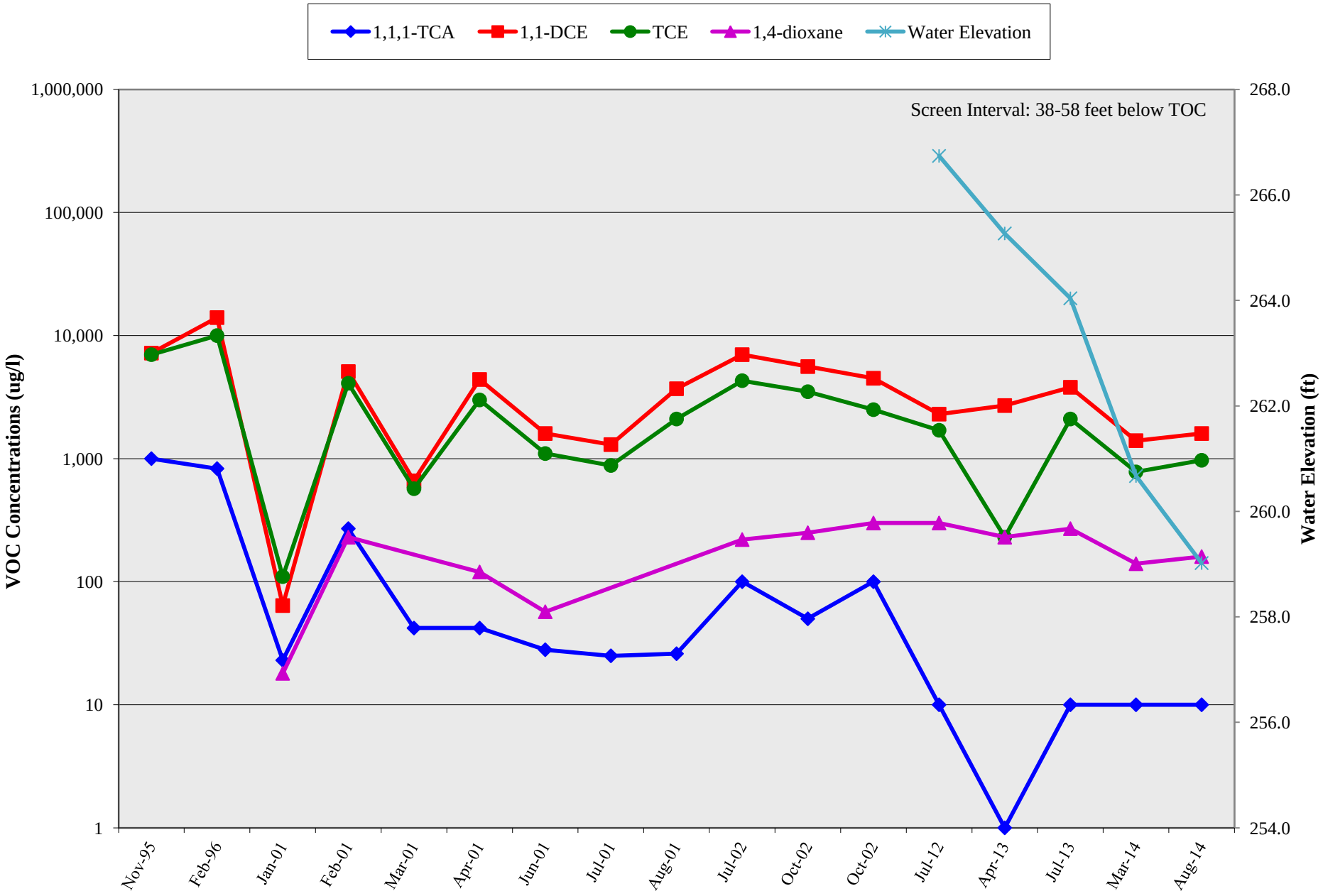
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well Z4-1	**FIGURE 4-36**



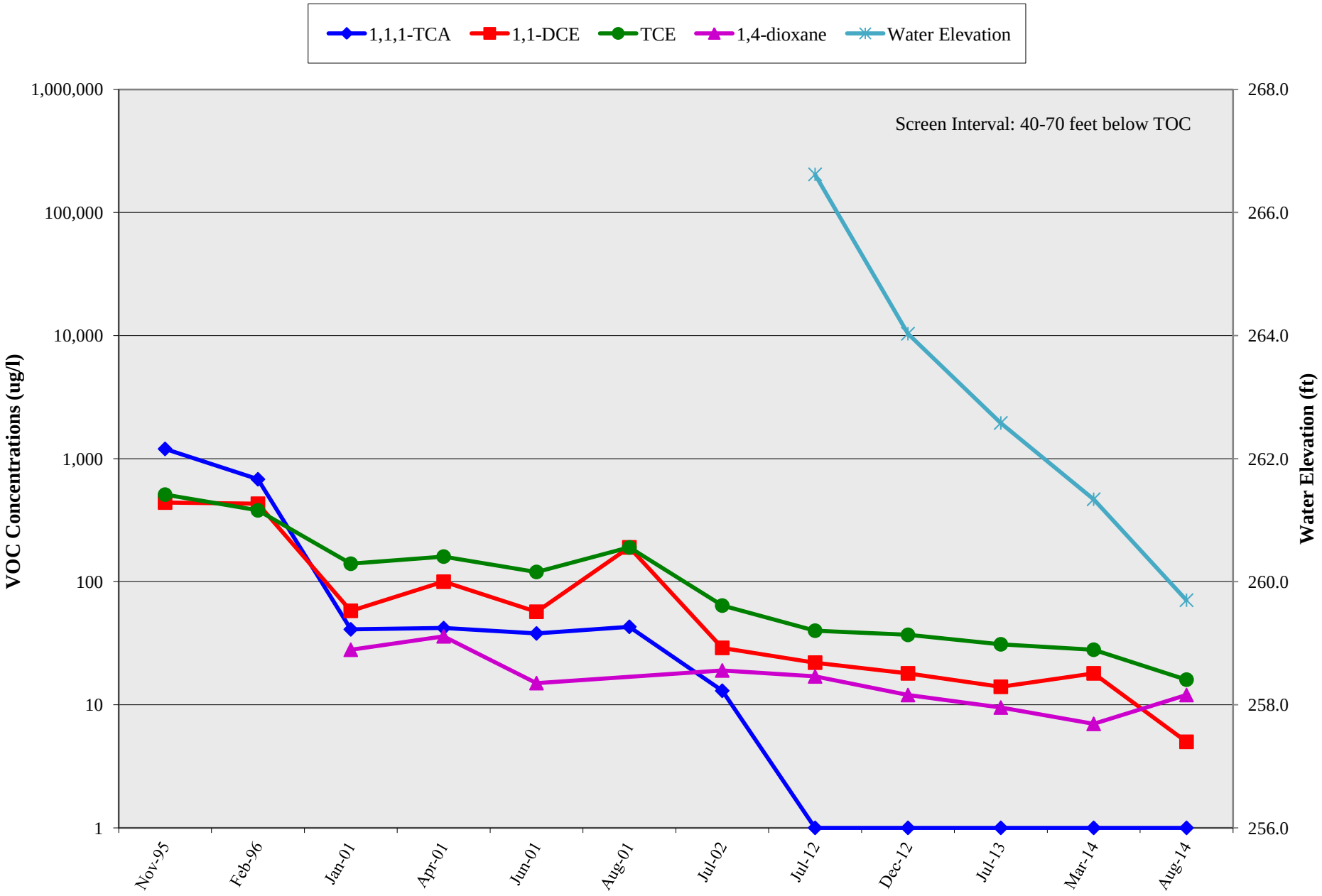
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well Z4-2	**FIGURE 4-37**



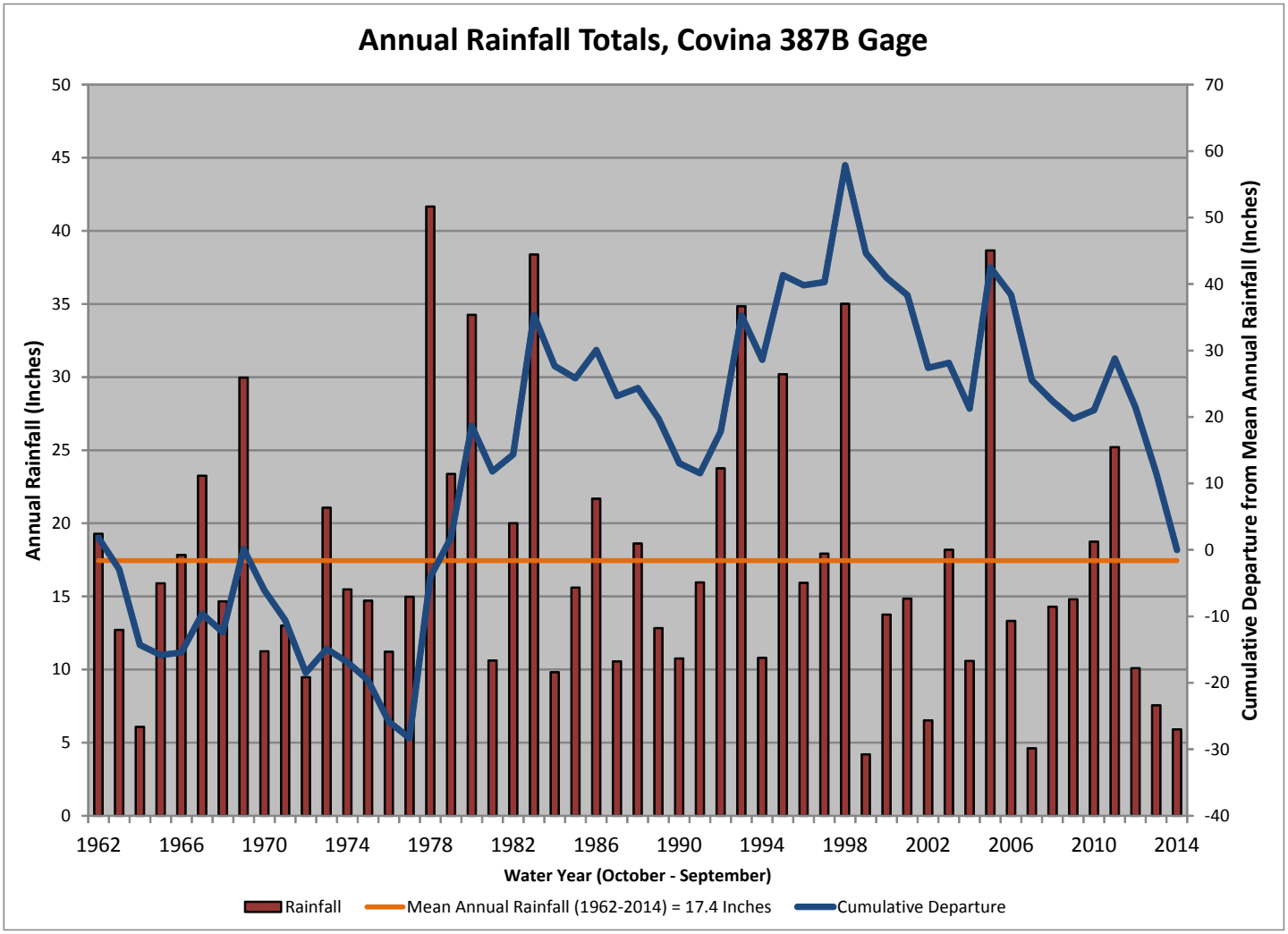
NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well Z4-3	**FIGURE 4-38**



NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well Z4-4	**FIGURE 4-39**



NORTHROP GRUMMAN	SZ-South Remedy Puente Valley Operable Unit, City of Industry, CA	Project: BEN.06.13.041
	VOC Concentrations vs. Time - Well Z4-5	**FIGURE 4-40**



Note: Annual rainfall data from rain gauge 387B - Covina City Yard.

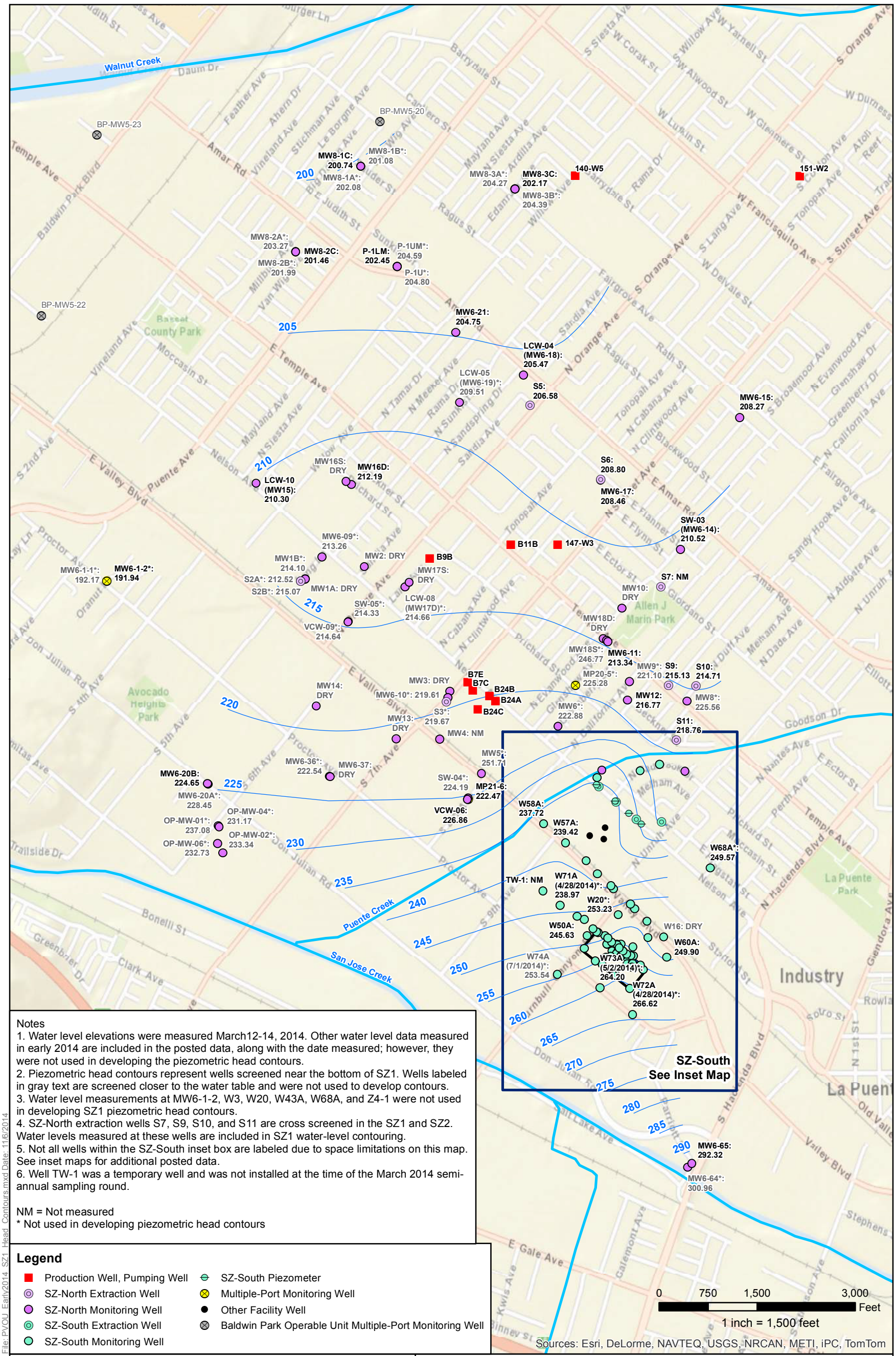
File: GWMR_Fig_Covina.mxd Date: 10/31/2014

CDM Smith

Figure 5
Annual Rainfall Totals

Puente Valley Operable Unit

11/7/2014



Notes
1. Water level elevations were measured March12-14, 2014. Other water level data measured in early 2014 are included in the posted data, along with the date measured; however, they were not used in developing the piezometric head contours.
2. Piezometric head contours represent wells screened near the bottom of SZ1. Wells labeled in gray text are screened closer to the water table and were not used to develop contours.
3. Water level measurements at MW6-1-2, W3, W20, W43A, W68A, and Z4-1 were not used in developing SZ1 piezometric head contours.
4. SZ-North extraction wells S7, S9, S10, and S11 are cross screened in the SZ1 and SZ2. Water levels measured at these wells are included in SZ1 water-level contouring.
5. Not all wells within the SZ-South inset box are labeled due to space limitations on this map. See inset maps for additional posted data.
6. Well TW-1 was a temporary well and was not installed at the time of the March 2014 semi-annual sampling round.

NM = Not measured
* Not used in developing piezometric head contours

Legend

- Production Well, Pumping Well
- SZ-North Extraction Well
- SZ-North Monitoring Well
- SZ-South Extraction Well
- SZ-South Monitoring Well
- SZ-South Piezometer
- Multiple-Port Monitoring Well
- Other Facility Well
- Baldwin Park Operable Unit Multiple-Port Monitoring Well
- SZ1 Piezometric Head Contours (ft NAVD 88) Dashed lines are approximate
- Puente Creek, San Jose Creek, and Walnut Creek
- Former TRW Benchmark Technology Facility

CDM Smith

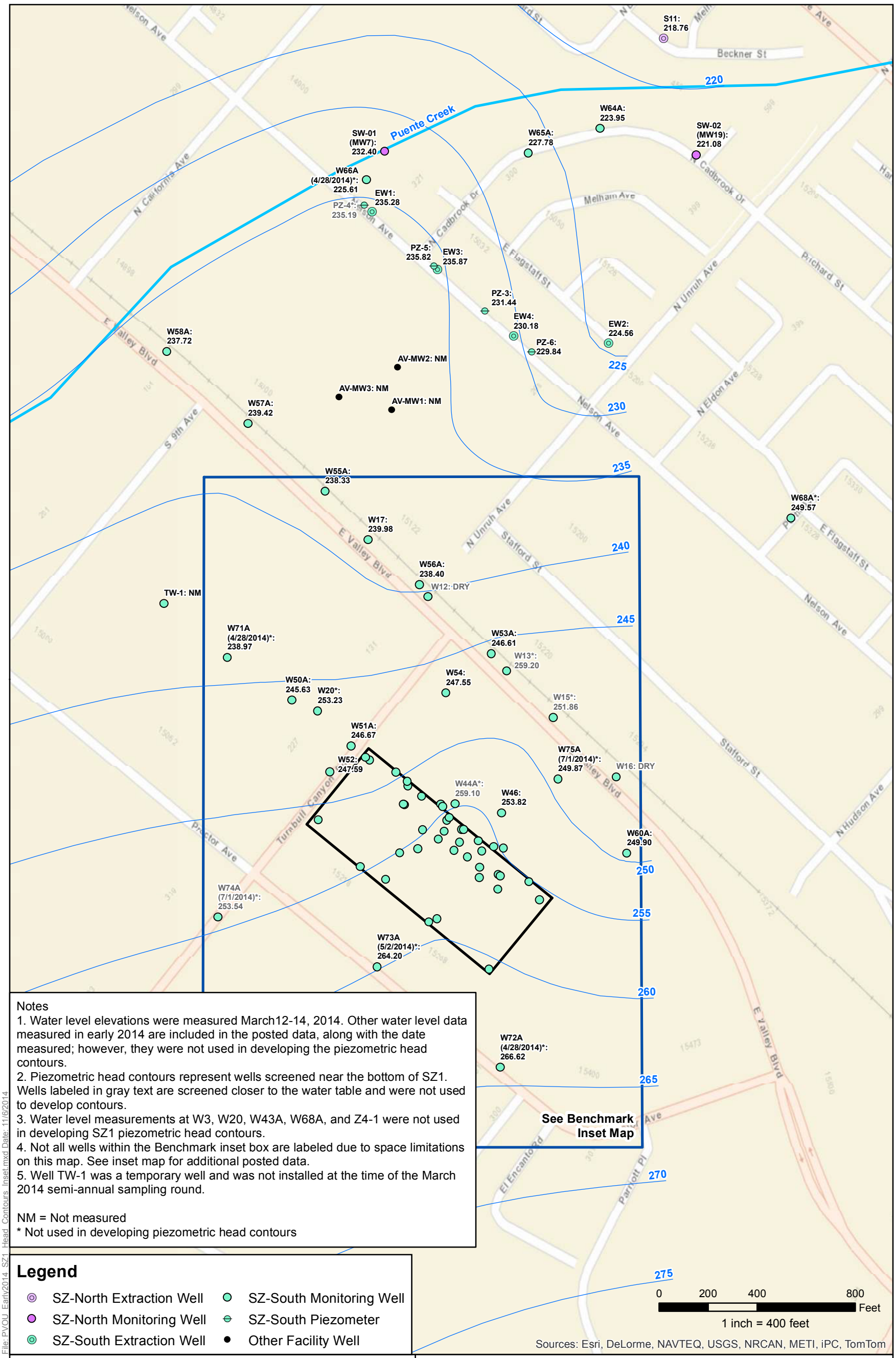
Figure 6-1
Piezometric Head Contours
Shallow Zone (SZ1)
Early 2014 Semi-Annual Monitoring Event

Puente Valley Operable Unit

11/6/2014

N

File: PVOU_Early2014_SZ1_Head_Contours.mxd Date: 11/6/2014



Notes
1. Water level elevations were measured March12-14, 2014. Other water level data measured in early 2014 are included in the posted data, along with the date measured; however, they were not used in developing the piezometric head contours.
2. Piezometric head contours represent wells screened near the bottom of SZ1. Wells labeled in gray text are screened closer to the water table and were not used to develop contours.
3. Water level measurements at W3, W20, W43A, W68A, and Z4-1 were not used in developing SZ1 piezometric head contours.
4. Not all wells within the Benchmark inset box are labeled due to space limitations on this map. See inset map for additional posted data.
5. Well TW-1 was a temporary well and was not installed at the time of the March 2014 semi-annual sampling round.

NM = Not measured
* Not used in developing piezometric head contours

Legend

- SZ-North Extraction Well
- SZ-North Monitoring Well
- SZ-South Extraction Well
- SZ-South Monitoring Well
- SZ-South Piezometer
- Other Facility Well

SZ1 Piezometric Head Contours (ft NAVD 88)
Puente Creek
Former TRW Benchmark Technology Facility

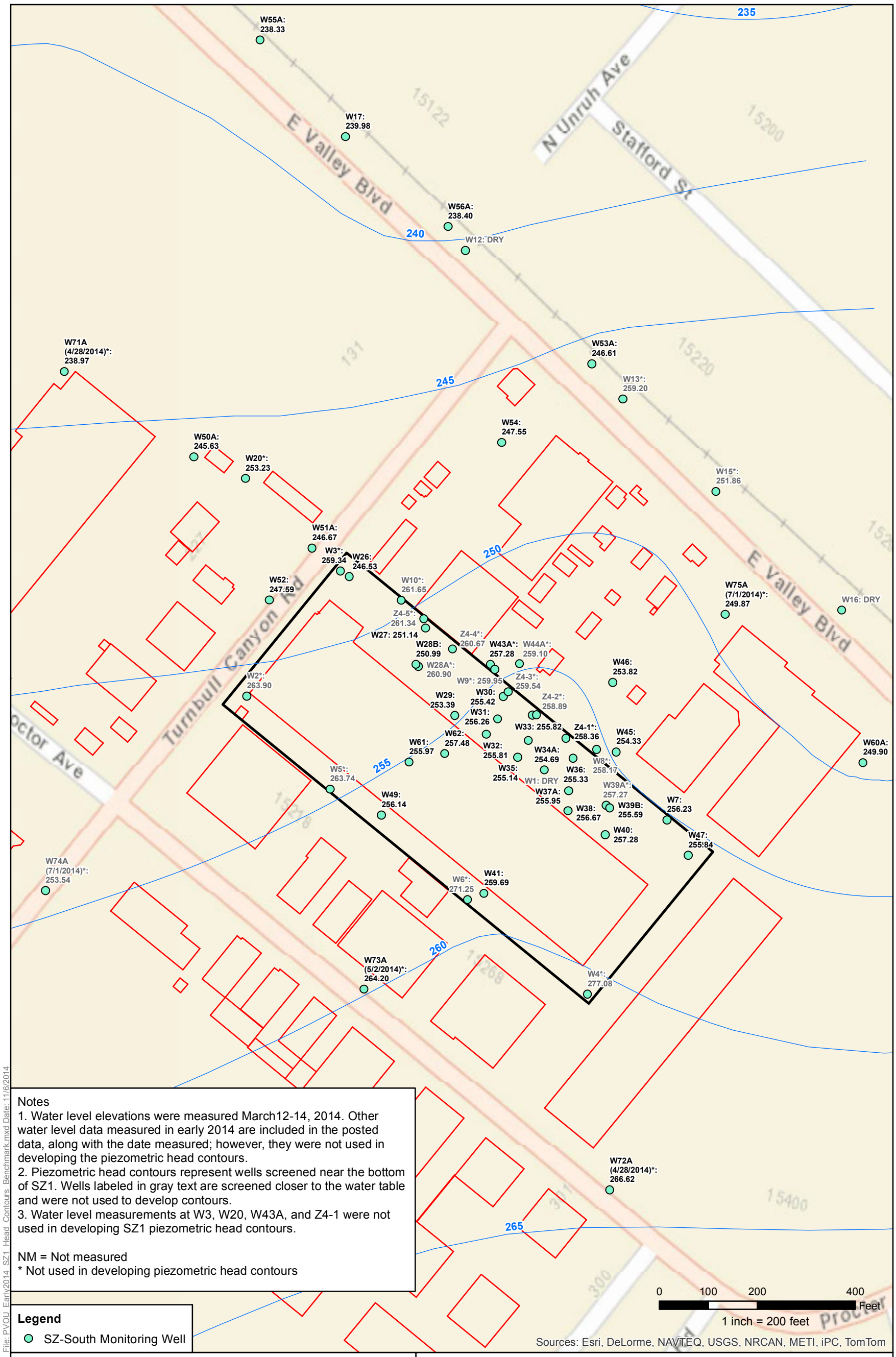
CDM Smith

Figure 6-2
Piezometric Head Contours
Shallow Zone (SZ1) SZ-South Inset
Early 2014 Semi-Annual Monitoring Event

Puente Valley Operable Unit
11/6/2014

N

File: PVOU_Early2014_SZ1_Head_Contours_Inset.mxd Date: 11/6/2014



Notes
1. Water level elevations were measured March12-14, 2014. Other water level data measured in early 2014 are included in the posted data, along with the date measured; however, they were not used in developing the piezometric head contours.
2. Piezometric head contours represent wells screened near the bottom of SZ1. Wells labeled in gray text are screened closer to the water table and were not used to develop contours.
3. Water level measurements at W3, W20, W43A, and Z4-1 were not used in developing SZ1 piezometric head contours.

NM = Not measured
* Not used in developing piezometric head contours

Legend
- SZ-South Monitoring Well
- SZ1 Piezometric Head Contours (ft NAVD 88)
- Former TRW Benchmark Technology Facility
- Building Outline

CDM Smith

Figure 6-3
Piezometric Head Contours
Shallow Zone (SZ1) Benchmark Inset
Early 2014 Semi-Annual Monitoring Event

Puente Valley Operable Unit
11/6/2014

N

File: PVOU_Early2014_SZ1_Head_Contours_Benchmark.mxd Date: 11/6/2014