# DEL AMO BASELINE GROUNDWATER SAMPLING REPORT

**INITIAL GROUNDWATER REMEDIAL DESIGN WORK**

**JOINT MONTROSE CHEMICAL AND DEL AMO SUPERFUND SITES**

**LOS ANGELES, CALIFORNIA**

**DSGWRD 0936-027**

FOR

SHELL OIL COMPANY

PREPARED BY

URS

APRIL 6, 2005

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**
**REGION IX**
**75 Hawthorne Street**
**San Francisco, CA 94105**

RECEIVED
APR 11 2005
URS CORPORATION
Santa Barbara

April 7, 2005

Mr. George Landreth
Shell Oil Company
910 Louisiana Street
Houston, TX 77002

RE: EPA Approval Of Del Amo Baseline Sampling Report; Dual Site Groundwater Operable Unit; Del Amo and Montrose Chemical Superfund Sites; Unilateral Order 2003-08; DSGWRD-0936-027

Dear Mr.Landreth:

EPA is in receipt of Shell Oil Company (Shell)'s revision to the Del Amo Baseline Sampling Report; DSGWRD-0936-027, dated April 6, 2005. Shell has adequately responded to EPA comments and EPA approves this version of the document. If you have any further questions about this letter, please contact me at (415) 972-3020.

Sincerely,

Jeffrey A. Dhont
Remedial Project Manager
Superfund Division

cc: Safouh Sayed, DTSC
John Dudley, URS Corporation
Paul Sundberg, Consultant to Montrose
Mike Palmer, Hargis+Associates
Natasha Raykhman, CH2M Hill

**Shell Chemicals**

April 6, 2005

Via FedEx Overnight Delivery

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RE: Unilateral Administrative Order (UAO): U.S. EPA Docket No. 2003-08
Response to March 31, 2005 comments on the October 29,2004
Revised Draft Del Amo Baseline Groundwater Sampling Report
Initial Groundwater Remedial Design Work
Joint Montrose Chemical and Del Amo Superfund Sites
Los Angeles, California
DIN DSGWRD 0936-027

Dear Mr. Dhont:

The October 29,2004 Revised Draft Del Amo Baseline Groundwater Sampling Report has been revised based on written comments received from EPA dated March 31, 2005. The text and two figures of the Baseline Groundwater Sampling Report have been revised in response to EPA's comments, and are submitted herein for approval.

Enclosed please find three copies of the following items that (along with previously submitted and approved material) constitute the above-referenced Report:

- EPA's March 31, 2005 comments and our responses;
- Revised Report text;
- Revised figures 14 and 18; and,
- Replacement cover and spine.

Additional copies of the binder-ready replacement pages are being distributed in accordance with the distribution list below. If you have any further questions or comments regarding the Report, please contact John Dudley of URS Corporation at (805) 964-6010 extension 317.

Sincerely,

John G. Dudley For George E. Landreth

George E. Landreth
Del Amo Project Manager

Enclosure

cc with enclosure: Safouh Sayed, DTSC
Frank Gonzalez, DTSC
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# EPA MARCH 31, 2005 SECOND ROUND COMMENTS

**Revised Baseline Sampling Report**
**Del Amo Superfund Site**
**Los Angeles, California**
October 29, 2004

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*EPA has reviewed the revised draft and has the following additional comments on the document:*

1. ***EPA Specific Comment 10 regarding the Figure of TCE in MBFB.*** *(Originally Fig. 12 and now Fig. 14). The revised draft highlights a difference of interpretation in the contours in the region of the MBFB Sand that lies between wells XMW-06 and XMW-16. Shell has drawn the isoconcentration contours to depict separate tiny sources around each of these wells. Montrose Chemical Corporation (Montrose) has drawn contours to depict one larger TCE distribution with both wells inside. URS, Shell's consultant, has stated in the response to comments that it believes that "it is very unlikely that the TCE concentrations detected at these two wells originate from separate sources." We disagree and believe that while Shell's interpretation is possible, Montrose's is not highly unlikely. We also do not believe that Shell's assessment is necessarily correct that well XMW-16 is side-gradient of XMW006. There is insufficient data to prove conclusively which contouring is correct.*

   *As the Montrose report has already been approved by EPA, we do not believe it practical to arrive at a consensus interpretation at this point. However, to address the matter, we request that Shell:*

   a. *show as a dashed line (with query) the $10^2$ contour between well XMW-14 and the current query mark at the end of the contour;*

   b. *show as a dashed line (with query) the $10^2$ and $10^3$ contours around XMW-16 and XMW-06, respectively; and*

   c. *add a legend item explaining dashed lines with query, as opposed to solid lines with query on at the ends of the line. Unless we interpret incorrectly, we assume that Shell intends for the former to depict contours that are uncertain throughout their length, whereas the latter are contours that become uncertain only at the ends and cannot be further extended.*

**Response:**

The requested modifications to Figure 14 have been made.

2. ***EPA Specific Comment 11, regarding Figure for TCE in the MCFC.*** *Originally Fig. 16, now Fig. 18). EPA's comment pointed out that the figure shows well XBF-15 inside the $10^2$ contour. This well was non-detect (<20 ppb TCE) in the 2004 sampling but its detection limit was elevated. In Shell's response, it indicates that several factors go into drawing the isopleths other than the most recent groundwater data,*

*and explains them. Among the points of explanation, we believe the following points, in this order, are compelling to Shell's argument for the position of the $10^2$ contour in this case: 1) the detection limit (20) is elevated, 2) TCE was formerly detected in this well at 55 ppb, 3) PCE was detected along with TCE in this well in the past, and was also detected in this well in 2004 despite the TCE detection limits being elevated.*

*However, the other arguments are more questionable. PCE is not always detected in association with TCE (note Jones Chemicals and parts of Boeing, for instance). The point about significant lack of attenuation may be true, but it does not really allow one to place a contour. If we understand it correctly, the point that URS may adjust contours based on the location of expected sources is disturbing, as it leads to circular conclusions (contours drawn to evaluate whether a location is a source will be based on the presumption that the location is a source).*

*In short, we agree with Shell that there is some support for showing the contour location as it is. However, we request that Shell dash the $10^2$ contour between the point where it presently becomes solid west of XBF-15 and the point adjacent to XBF-14. It may also be prudent to consider whether it is worth making a note below the legend that this contour is based on historical information due to high detection limits. This may prevent such confusion from arising when viewed by outside parties.*

**Response:**

The requested modifications to Figure 18 have been made.

3. ***EPA Comment No. 15*** *requested that Shell add text indicating that the Del Amo Waste Pits could be one source of the benzene in the Gage Aquifer. This comment elicited an extended response from Shell stating that, while a waste pits contribution cannot be ruled out, the strength of evidence more strongly implicates sources not related to the Del Amo plant.*

   *Shell's points about the potential for other sources of benzene in the Gage are acknowledged. Still, considering complex cascading migration in this area, EPA maintains that the present benzene distribution could be explained wholly or in part by benzene migration from the former Del Amo plant.*

   *Regardless, we do not believe this data report is an appropriate place to place one-sided source attribution arguments into the record. We request the following modifications to pages 6, 7 and 8 of the document (italics for clarity here and not to be included in actual text):*

   - *Page 6, fifth paragraph of Section 4.3.1: Insert sentence after second sentence as follows:* ***Additional work is planned in the Work Plan for TCE Data Acquisition to further evaluate this conclusion.***

   - *Page 7, second paragraph of Section 4.3.3: Delete the second sentence.*

- *Page 7, second paragraph of Section 4.3.3: Revise the third sentence to replace "Montrose-area benzene plume" with* ***benzene distribution within the chlorobenzene plume southeast of the former Montrose plant property…but extends much farther downgradient than the benzene distributions where chlorobenzene is not present.***

- *Page 8, second paragraph on page, replace with the following:*

  ***Benzene is associated with the former Del Amo plant and Waste Pit area, various operations at the former Montrose plant property, and with petroleum pipelines in the area. Also, in theory, it cannot be ruled out that some biodegradation of chlorobenzene to benzene is occurring insitu (although the breakdown pathway in anaerobic conditions such as in the Gage Aquifer has not been confirmed conclusively). Shell has argued that the data suggest sources other than the Del Amo plant with respect to benzene in the Gage Aquifer. EPA has not made any determinations with respect to the relative contributions among the various potential benzene sources.***

  *Page 8, third paragraph on page:*

  ***The dissolved PCE and TCE plumes are presented on Figures 22 and 23, respectively. The data indicate that the TCE distribution in the Gage Aquifer on the eastern edge of the plant site likely originates from offsite sources west of the former plant site. However, additional work is planned in the Work Plan for TCE Data Acquisition to assess TCE in the MBFB and MBFC Sand to further evaluate this conclusion, particularly near the MBFC Sand well SWL-0054.*** *[Rest of text in paragraph unchanged]*

**Response:**

The requested changes to the text of the report have been made.

# EPA JULY 2, 2004 COMMENTS

**Draft Baseline Sampling Report**
**Del Amo Superfund Site**
**Los Angeles, California**
April 27, 2004

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## GENERAL COMMENTS

1. ***Comment:*** *The schematic diagram showing the correlation between the nomenclature of hydrostratigraphic units used by Del Amo and Montrose should be included in the baseline report.*

   **Response:** The report has been revised to include the correlation chart as requested (see Figure 2 in the revised report).

2. ***Comment:*** *Contaminant concentration data for TCE and PCE from the Former Boeing Company and International Light Metals (ILM) sites were not included in the draft Report. It would be useful if this data could be included or posted on the plume maps. While it is acknowledged that these data were not collected as part of the baseline sampling, still, because these facilities are located upgradient from the Del Amo site, the use of their data for interpreting the TCE and PCE distributions is important for understanding of impact of these constituents on groundwater quality beneath the Del Amo Site and for understanding the context of the Baseline results.*

   **Response:** In accordance with an October 21, 2004 e-mail from Mr. Jeff Dhont of EPA to Mr. John Dudley of URS, posting of Boeing and ILM site data in the Baseline Sampling Report is no longer required.

## SPECIFIC COMMENTS - WATER LEVEL ELEVATIONS

3. ***Comment:*** *<u>Fig. 3, MBFB Groundwater Elevations Map</u> – Montrose data and data from the immediate vicinity of Montrose are posted. However, it is not clear why the -14-foot contour line was not approximated/drawn; the data appear to have been used in estimating the horizontal hydraulic gradient.*

   **Response:** The figure has been revised to extend the –14 foot contour slightly further to the west (see Figure 4 in revised report). Since MBFB wells with groundwater elevations of less than –14 feet are limited to a single well near the western boundary of the former plant site, there are no data to support extending the contour any significant distance to the east or west.

4. ***Comment:*** *<u>Section 3.3, p. 3 (see Fig. 4)</u> – Note that the reported estimated horizontal hydraulic gradient of 0.0007 is the average gradient across the entire area of interest; the estimated gradient is steeper (0.0009) for the area south of the Del Amo Site. This should be noted and discussed in the report.*

**Response:** The report text has been revised to indicate that the reported gradient is an average for the area in which data is available and that the gradient is slightly steeper to the south of the Del Amo Site.

5. ***Comment:*** *<u>Table 2, p. 9 of 9, Lynwood Groundwater Elevations</u> – Note that although the Del Amo Baseline Report listed the groundwater elevation data for the Lynwood Aquifer (from Montrose's sampling effort), no corresponding map was generated. Please provide the map.*

**Response:** The report has been revised to include a map presenting groundwater elevations for the Lynwood Aquifer as requested (see Figure 7 in the revised report).

**SPECIFIC COMMENTS – CONTAMINANT CONCENTRATIONS**

6. ***Comment:*** *<u>Figs. 8, 12, 16, and 20, TCE maps</u> – Please include on the TCE maps an isoconcentration contour that is less than or equal to the MCL of 5 mg/L (e.g., 1-mg/L contour).*

**Response:** The figures have been revised as requested.

7. ***Comment:*** *<u>Figs. 9, 13, 17, and 21, PCE maps</u> – Please include on the PCE maps an isoconcentration contour that is less than or equal to the MCL of 5 mg/L (e.g., 1-mg/L contour).*

**Response:** The figures have been revised as requested.

8. ***Comment:*** *<u>Fig. 9 (PCE in Water Table Zone)</u> – Near the southeast corner of the site, it is unclear how a $10^1$-mg/L isoconcentration contour can be drawn around the following data posted: PZL0013 <5000, XMW-01HD <5000, and XMW-04HD <10,000. Please correct or clarify as appropriate.*

**Response:** The isopleth in question was mistakenly placed on the figure and has been deleted (see Figure 11 in revised report).

9. ***Comment:*** *<u>Fig. 9 (PCE in Water Table Zone) and Fig. 13 (PCE in MBFB)</u> - It is not clear why the interpretation of data at and downgradient of the Montrose plant property is different between the two maps while the water table zone and*

*MBFB is the same unit in this area. For example, XMW-16 (PCE= 50 mg/L) is drawn as a separate source from the larger plume to the north in Fig. 9 but not in Fig. 13 (not included within the $10^1$-mg/L isoconcentration contour). In addition, XMW-04 (PCE= 1000 mg/L) is shown as a separate source in Fig. 9 but not in Fig. 13. The same data are posted on both maps for those locations. Please correct or clarify as appropriate.*

**Response:** The two concentration isopleths referred to in the comment were inadvertently omitted from Figure 13. This error has been corrected in the revised report (see Figure 15 in the revised report).

10. ***Comment:*** *Fig. 12 (TCE in MBFB) – The $10^3$-mg/L isoconcentration contour is erroneously drawn around XMW-16 (TCE = 950 mg/L). Note that in the Montrose Baseline Report (see Fig. 13), H+A had elected to depict one source area centered around XMW-06 (TCE = 1100 mg/L) and not two source areas as shown in the Del Amo Baseline Report, one centered around XMW-06 and the second XMW-16. Please correct this error.*

**Response:** The contour surrounding well XMW-16 was inadvertently mislabeled, and has been changed to indicate a value of $10^2$ rather than $10^3$ (see Figure 14 in the revised report). Wells XMW-06 and XMW-16 are located cross-gradient from each other and are separated by approximately 1,100 feet. URS believes that it is very unlikely that the TCE concentrations detected at these two wells originate from the same source.

11. ***Comment:*** *Fig. 16 (TCE in MBFC) – We recommend drawing the $10^1$-mg/L isoconcentration contour so not to include XBF-15 (TCE <20 mg/L). Otherwise, should include other similar "<" or less-than values to be consistent (e.g., XBF-20 with TCE <40 mg/L).*

**Response:** The concentration isopleths presented in the figures are interpretive and not always based solely on the most recently detected concentrations. For example, the contours may be located to take into account the location of the most likely former source facilities rather than simply placing a circular isopleth around the well with the highest concentration. Other factors are also taken into consideration in interpreting the isopleth position when the compound of interest was not detected at a well, but the detection limits were elevated above the MCL. For these cases, URS typically reviews historical concentration data for the well of interest as well as data for upgradient wells to provide a basis for the location of a concentration isopleth.

Review of current and historical data indicates that:

- TCE was detected at a concentration of 55 µg/l at well XMF-15 in a past sampling event (January 1998);
- PCE, which is often detected in association with TCE, has been consistently detected at well XBF-15 over the last four sampling events;
- Elevated concentrations of TCE are uniformly present at upgradient wells XBF-03, XBF-04 and XBF-07;
- Various VOC plume maps (see Hargis + Associates baseline report, URS' Baseline Report, and Dames & Moore's groundwater RI) indicate little attenuation of VOC concentrations over significant distances within the chlorobenzene plume downgradient from the Montrose property.

For the above reasons, the interpretation that the 10 µg/l TCE isopleth falls in the vicinity of well XBF-15 is reasonable. No changes were made to the text.

12. ***Comment:*** *Boeing's TCE data are not posted in the Del Amo Baseline Report. The interpretation of the TCE contamination upgradient of Montrose is dramatically different when Boeing's data are included (see Montrose Baseline Report, Fig. 13). See General Comment.*

**Response:** In accordance with an October 21, 2004 e-mail from Mr. Jeff Dhont of EPA to Mr. John Dudley of URS, posting of Boeing site data in the Baseline Sampling Report is no longer required.

13. ***Comment:*** *Section 4.3.3, p. 7, last para. (see Figs. 16 and 17) – The text states that "[t]he TCE and PCE plumes are shown on Figures 16 and 17, respectively, indicate two separate plumes that have partially merged at their downgradient end." However, Fig. 17 shows two separate plumes that are not merged. Please correct. Note that given the posted data, although the plumes can be drawn as merged, the contour lines need to be dashed and/or queried due to the significant uncertainty associated with this interpretation.*

**Response:** The report figures have been revised to include a $10^0$ contour, and are now consistent with the text with respect to indicating merged plumes. The concentration isopleths are dashed or queried, as appropriate.

14. ***Comment:*** *Fig. 19 (Benzene in Gage) – The benzene concentration for XG-12 is erroneously labeled as 1.9 mg/L; Table 3 indicates it should be 19 mg/L. Please correct this error.*

**Response:** The error has been corrected as requested (see Figure 21 in revised report.

15. ***Comment:*** *Section 4.3.4, p. 8, 1st par. (see Fig. 19) – The text states that "[t]he distribution indicates the benzene is likely attributable to offsite sources to the west of the former plant site." It should be stated in the Report that the Del Amo waste pit area may also contribute to the benzene contamination in the Gage.*

**Response:** The Respondents acknowledge that a benzene contribution from the Waste Pit Area cannot be entirely ruled out and the report has been revised to reflect this. However, other than their cross-gradient proximity to each other, there is little evidence of an association between the Gage aquifer benzene plume and the Waste Pit Area. Monitoring wells SWL0055, SWL0040 and XBF-13 are screened in the MBFC (overlying the Gage aquifer) and located immediately downgradient of the Waste Pit Area. Elevated benzene concentrations (>1 µg/l) are present at only two of these MBFC wells (SWL0040 and XBF-13), and data indicate that the MBFC benzene plume is limited to the immediate vicinity of these neighboring wells (see Figure 17 in the report). However, benzene has never been detected in any of the numerous sampling events at Gage well XG-11 (benzene <2 µg/l in the 2004 baseline event), which is co-located with MBFC well XBF-13 and a short distance downgradient from SWL0040 (see Figure 21 in report). This is strong evidence that no appreciable downward migration of benzene from the MBFC to the Gage aquifer has occurred in the vicinity of the Waste Pit Area.

In contrast to the above, there is much stronger evidence for an association between the Gage benzene plume and offsite sources unrelated to the Del Amo site. Specifically, chlorobenzene is present at high concentrations (hundreds to thousands of parts per billion) throughout the Gage benzene plume area. The association of high concentrations of chlorobenzene with lesser concentrations of benzene is typical of conditions where groundwater contamination is known to have occurred from DDT production areas to the west of the Del Amo site.

The southeasterly groundwater flow direction in the Gage aquifer and the benzene plume geometry, as defined by the 1 µg/l concentration isopleth on Figure 21, provide additional evidence of a source area near the western boundary of the Del Amo site. The case for a source area here is further strengthened through review of the chlorobenzene and benzene plumes for the overlying MBFC and MBFB/water table units in the vicinity of the panhandle (southwestern corner) of the Del Amo site. The data show local chlorobenzene concentration maxima are present at MBFC well XBF-06 and co-located MBFB/water table well XMW-13 located at the Del Amo site boundary. For each of the HSUs in this area, the chlorobenzene maxima are accompanied by benzene maxima of a lesser magnitude, just as occurs at other offsite source areas attributable to DDT production operations.

# DEL AMO BASELINE GROUNDWATER SAMPLING REPORT

# INITIAL GROUNDWATER REMEDIAL DESIGN WORK JOINT MONTROSE CHEMICAL AND DEL AMO SUPERFUND SITES

## LOS ANGELES, CALIFORNIA

## DSGWRD 0936-027

*Prepared for:*

## SHELL OIL COMPANY

*Prepared by:*

URS

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April 6, 2005

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Groundwater Analytical Data, Baseline Sampling Event
(electronic format, on CD)

# DEL AMO BASELINE GROUNDWATER SAMPLING REPORT
# INITIAL GROUNDWATER REMEDIAL DESIGN WORK
# JOINT MONTROSE CHEMICAL AND DEL AMO SUPERFUND SITES
# LOS ANGELES, CALIFORNIA
# DSGWRD 0936-027

## 1.0 INTRODUCTION AND BACKGROUND

Presented in this document are results of the Baseline Groundwater Sampling Event for groundwater remedial design at the Del Amo Superfund Site (Figure 1). This report is submitted on behalf of Shell Oil Company (Shell) and describes groundwater sampling and analysis activities conducted pursuant to the September 3, 2003 Unilateral Administrative Order for Initial Remedial Design Work and its attached Statement of Work (SOW) for the Dual Site Groundwater Operable Unit, Montrose Chemical and Del Amo Superfund Sites, issued by the U.S. Environmental Protection Agency (USEPA) Region IX. The sampling and analysis work were completed in accordance with the January 7, 2004 Field Sampling Plan (DSGWRD 0936-026) that was approved by USEPA in a letter to Shell dated January 15, 2004.

Hydrostratigraphic units monitored in the baseline sampling event included, from ground surface downward, the Upper Bellflower (UBF), the middle Bellflower B Sand (MBFB), the middle Bellflower C Sand (MBFC), the Gage aquifer, and the Lynwood aquifer. The hydrostratigraphic nomenclature used for the dual site and the relative position of the various units is illustrated on Figure 2. The groundwater table crosses an eastward-dipping stratigraphic boundary between the UBF and the MBFB along a demarcation line near the western boundary of the former plant site. The water table resides within the UBF to the east of the demarcation line, and within the MBFB to the west of the line. For the purposes of this report, groundwater conditions are therefore described with respect to the water table zone (UBF/MBFB), the MBFB (identical to the water table zone west of the demarcation line), the MBFC, the Gage aquifer, and the Lynwood aquifer. Data for some sampling locations are presented under both the water table zone and MBFB units.

## 2.0 PURPOSE AND SCOPE

The purpose of the baseline groundwater sampling event was to provide water quality and water level data for:

(1) Evaluation of the lateral and vertical extent of dissolved contaminant plumes impacting the joint site;

(2) Verification that the benzene plume is within the containment zone identified within the Record of Decision (ROD) and is stable;

(3) Confirming that intrinsic biodegradation is occurring at the margins of the benzene plume; and

(4) Providing input to USEPA's remedial design modeling program.

The following tasks were completed as part of the investigation:

- Measurement of groundwater levels at 112 monitoring well locations;
- Purging and collection of groundwater samples at 71 monitoring well locations;
- Field analysis of produced water from each well where sampling was conducted for pH, turbidity, and temperature;
- Field analysis of dissolved oxygen and Oxidation Reduction Potential (ORP) for produced water from seven wells as part of biodegradation indicator analyses;
- Laboratory analysis of groundwater samples for volatile organic compounds (VOCs) and, for selected sampling locations, additional biodegradation indicator analyses; and·
- Laboratory analysis of Quality Assurance/Quality Control (QA/QC) samples to aid in subsequent evaluation of data quality.

A list of wells where groundwater levels and sampling was completed is provided in Table 1. All sampling and analysis activities were conducted in accordance with procedures outlined in Appendix A (Standard Operating Procedures) of the URS Field Sampling Plan (URS, 2004). A summary of the above tasks and results is provided in the following sections.

## 3.0 GROUNDWATER LEVELS

Groundwater levels at targeted monitoring wells were measured between January 12 and February 2, 2004 using an electronic water level indicator. Measured groundwater levels were converted to elevations relative to mean sea level based on surveyed elevations for fixed measuring points at each monitoring location.

Time-series groundwater elevations for water table zone wells are presented in Table 2. The groundwater elevation data for each hydrostratigraphic unit are further discussed below.

### 3.1 WATER TABLE

Figure 3 presents interpretive water table groundwater elevation contours for the recent baseline sampling event. This figure also shows the interpreted demarcation line where the water table crosses into the MBFB from the UBF. East of the demarcation line the water table is present within the UBF and to the west it is present within the underlying MBFB.

Water table elevations ranged from a high of -6.50 feet mean sea level (MSL) at PZL0005, in the northeastern corner of the former butadiene plant, to a low of -17.48 feet MSL at SWL0042, south of the plant site. Groundwater elevations were typically slightly higher than those for the previous monitoring event in 2000. There is a long-term trend of rising groundwater levels over the duration of the monitoring program that is apparent from the time-series groundwater elevation data (Table 2).

Groundwater flow is toward the south-southwest in the northern and central portions of the former plant site, but is highly variable in the southern plant site area due to mounding (Figure 3). The mounding is likely due to leakage from water lines and other near-surface sources of artificial recharge. No significant changes in groundwater flow direction or gradient relative to previous monitoring events is apparent.

### 3.2 MIDDLE BELLFLOWER B SAND

Groundwater elevations and contours for the MBFB are presented on Figure 4. Groundwater elevations ranged from -13.85 feet MSL at SWL0029, near the western boundary of the former plant site, to -17.93 feet at SWL0019, south of the former plant site. MBFB groundwater elevations were higher than for the previous 2000 monitoring event for most wells. The time-series groundwater elevation data (Table 2) indicate a long-term trend of rising groundwater in the MBFB.

The groundwater flow direction in the MBFB is toward the southeast, with a hydraulic gradient of approximately 0.0010 (Figure 4). No significant change in groundwater flow direction or gradient relative to previous monitoring events is apparent.

### 3.3 MIDDLE BELLFLOWER C SAND

MBFC groundwater elevations and contours are presented on Figure 5. Groundwater elevations ranged from -13.87 feet MSL at SWL0030, along the western boundary of the former plant site, to -19.91 feet MSL at XBF-26, south of the plant site. Groundwater elevations for most MBFC wells were higher than for the 2000 monitoring event, consistent with the long-term trend of rising groundwater elevations.

Groundwater flow in the MBFC is toward the southeast, under an average hydraulic gradient of approximately 0.0007 (Figure 5). The gradient is slightly steeper (approximately 0.0009) in the area south of the Del Amo site. No significant change in groundwater flow direction or gradient relative to previous monitoring events was observed.

### 3.4 GAGE AQUIFER

Groundwater elevations and contours for the Gage aquifer are summarized on Figure 6. Groundwater elevations ranged from -15.87 feet MSL at XG-01, on the Montrose Site, to -20.32

feet MSL at SWL0020, south of the plant site. Groundwater elevations were typically higher than for the previous monitoring event. The time-series elevation data (Table 2) indicate a long-term trend of rising groundwater elevations in the Gage aquifer.

Groundwater flow in the Gage is toward the east-southeast under a horizontal hydraulic gradient of approximately 0.0009. No significant change in groundwater flow direction or gradient relative to previous monitoring events is apparent.

### 3.4 LYNWOOD AQUIFER

Groundwater elevations for the Lynwood Aquifer are summarized on Figure 7. Groundwater elevations ranged from –29.49 feet MSL at XG-06 to –29.81 feet MSL at XLW-02. Time-series elevation data (Table 2) indicate a trend of slowly rising groundwater elevations in the Lynwood Aquifer. Due to the lack of significant variation in groundwater elevations between the Lynwood wells, groundwater elevation contours and an interpretation of flow direction are not presented on Figure 7.

### 3.5 HYDRAULIC HEAD

Data for co-located wells completed in different hydrostratigraphic units indicate that water levels are typically lower in successively deeper hydrostratigraphic units. Water levels in the water table, MBFB, and MBFC are typically within a few feet of each other, with water levels in the Gage being an additional two to three feet lower. Examples of co-located wells include the set SWL0009/SWL0010/SWL0025 (water table/MBFB/Gage) and the set PZL0016/SWL0029/ SWL0030/SWL0031 (water table/MBFB/MBFC/Gage).

### 3.6 LNAPL

LNAPL is known to be present within monitoring wells SWL0001, SWL0032 and XMW-20 in the western portion of the former plant site. Data from previously completed investigations indicate the LNAPL is composed primarily of benzene. The LNAPL thickness within the three well casings was measured in January 2004 at 2.68 feet in SWL0001, 2.40 feet at SWL0032 and 0.74 feet at XMW-20.

## 4.0 GROUNDWATER SAMPLING AND ANALYSES

### 4.1 OVERVIEW

Groundwater samples for laboratory chemical analysis were collected from January 15 to February 2, 2004. The laboratory analytical program included analyses for volatile organic compounds (VOCs) and biodegradation indicators. The specific analyses that were conducted for each sampling location are listed in Table 1. Groundwater samples from all wells were analyzed for VOCs using USEPA method 8260B. Biodegradation analyses were completed for selected wells along transects at the fringe of the dissolved benzene plume to confirm that biodegradation

is continuing to occur. Biodegradation indicators tested for include ferrous iron ($Fe^{++}$), nitrate, sulfate and methane, as well as bacteriological analyses for total heterotrophic plate count (THPC) and hydrocarbon oxidizing microbial population (HOP). Dissolved oxygen (DO) and oxidation reduction potential (ORP) analyses were completed in the field at the time of sampling, and are considered part of the suite of biodegradation analyses.

Monitoring wells XMW-03T through XMW-07T, located on the PACCAR property immediately west of the Del Amo site, were proposed for sampling in the Field Sampling plan, but sampling was not completed due to a disputed access agreement with the property owners. Sampling was similarly not completed at well PZL0024 due to well casing damage. Therefore, data presented in this report for the above wells are limited to available historical data.

Parameters measured and documented in the field during sampling included temperature, conductivity, pH, oxidation reduction potential, and dissolved oxygen. Values for these parameters at each sampling location are not tabulated herein but are available on request.

## 4.2 DATA PRESENTATION FORMAT

A comprehensive database of results from the baseline sampling event is presented in electronic format on the attached compact disk. The current data are also summarized in the time-series table presented in Table 3 along with historical data dating back to the May 1994 monitoring event. Data from earlier events are available upon request. The time-series table includes 2004 analytical data generated by Hargis + Associates (H+A) for the joint site, which is presented within parentheses for identification purposes. Historical H+A data are not included in the time-series data table since they do not correspond with the sampling intervals for the Del Amo data and therefore do not fit the time format of the table.

The current VOC analytical results are discussed below for each hydrostratigraphic unit. While all detected VOC results are presented in Table 3, discussion of VOC data is limited to benzene, TCE, and PCE. Long-term trends of increasing or decreasing benzene, TCE and PCE concentrations through time were identified through visual evaluation of concentration graphs. Graphs where a trend of increasing or decreasing concentration through time was noted are presented in Appendix A.

Contaminant distribution information is presented in a graphic format within this document. Data for the compounds of interest are presented at their respective monitoring locations on the referenced figures. For those locations where analyses were not completed as part of the baseline sampling event, the most recent historical concentration is presented. Locations with historical data are distinguished from those with current data by the monitoring location symbol, as indicated in the legend for each figure. The date of the historical data posted on the figures may vary from location to location.

## 4.3 VOC DISTRIBUTION

### 4.3.1 Water Table

The specific VOCs and concentrations detected at each water table sampling location are shown on Figure 8 and time-series data for each detected analyte are presented in Table 3. A statistical summary is presented in Table 4, indicating the relative prevalence of each detected VOC.

Benzene is typically found at higher concentrations and over a larger area than other dissolved contaminants at the former rubber plant site. The water table benzene distribution is shown on Figure 9. As illustrated, benzene occurs in the eastern and western plume areas. Local maximum concentrations occur in the central portion of the former styrene plant area and Waste Pit Area within the western plume, and the southern and southeastern areas of the former butadiene plant within the eastern plume.

The 2004 benzene distribution is generally similar to previous sampling events, although benzene concentrations are significantly reduced relative to historical concentrations at locations PZL0009, SWL0044, SWL0003, SWL0016, SWL0021, and XMW-04HD. Locations where significant increases in benzene concentrations are noted are limited to XMW-27 (near the western site boundary) and XMW-29 (northwest of the Waste Pit Area).

Long-term trends of decreasing benzene are identified for locations PZL0011, SWL0003, SWL0004, SWL0021, SWL0044, SWL0049, XMW-04HD, and XMW-13. A trend of increasing benzene concentration is identified for locations PZL0021 and XMW-29. Graphs illustrating each concentration trend are presented in Appendix A.

The TCE and PCE plumes are illustrated on Figures 10 and 11, respectively. As indicated by the local concentration maxima, the principal source areas for these compounds appear to be located west of the former plant site. Additional work is planned in the Work Plan for TCE Data Acquistion to further evaluate this conclusion. Trends of decreasing TCE concentrations are identified for PZL0016, SWL0009, SWL0021, SWL0024, SWL0042, and SWL0051 while TCE is increasing through time at SWL0049 and XMW-27 (see Table 3 and Appendix A). PCE concentrations are decreasing through time at PZL0004, PZL0016, SWL0005, SWL0009, SWL0021, SWL0024 and SWL0042, and increasing at SWL0029.

### 4.3.2 Middle Bellflower B Sand

MBFB VOC data are summarized on Figure 12 and Table 4. Benzene continues to be the most commonly detected VOC, and the VOC detected at the highest concentration. The benzene distribution is depicted on Figure 13 and is similar to that for previous monitoring events with the exception of unusually high concentrations at PZL0021 (200,000µg/l), SWL0048 (190,000 µg/l), and XMW-29 (580,000 µg/l), all located in the central portion of the plume. A

long-term trend of decreasing benzene concentration is identified for SWL0003, SWL0004, SWL0049, and XMW-13. A trend of increasing benzene concentration is identified for wells PZL0021 and XMW-29.

The MBFB TCE and PCE distributions are presented on Figures 14 and 15. A trend of increasing TCE concentrations through time is identified at locations SWL0029, SWL0049 and XMW-27. PCE concentrations are also increasing at SWL0029. Trends of decreasing TCE or PCE concentrations were not observed at MBFB locations.

### 4.3.3 Middle Bellflower C Sand

VOC results for the MBFC are summarized on Figure 16 and in Table 4. Chlorobenzene is considered the most prevalent VOC in the MBFC given its relatively high concentrations and wide distribution. Chlorobenzene is inferred to be associated with the adjacent Montrose Site and is therefore not discussed further here.

The MBFC benzene distribution is illustrated on Figure 17. The benzene distribution within the chlorobenzene plume southeast of the former Montrose plant property contains relatively lower concentrations (less than 100 µg/l), but extends much farther downgradient than the benzene distributions where chlorobenzene is not present. The greater length of this plume is inferred to be due to the associated presence of chlorobenzene and/or other compounds. In comparison, the benzene plume along the southern margin of the former styrene plancor contains much higher maximum benzene concentrations (49,000 µg/l at SWL0040), but does not contain elevated concentrations of chlorinated compounds, and attenuates rapidly downgradient of SWL0040.

Identified benzene concentration trends were limited to SWL0033, where benzene concentrations have slowly increased through time since 1997, and SWL0055, where concentrations of benzene have decreased from 8,800 µg/l in 1995 to 0.31µg/l in January 2004.

The TCE and PCE plume interpretations are shown on Figures 18 and 19, respectively, and indicate two separate plumes that have partially merged at their downgradient end. Concentration trends for TCE and PCE at MBFC locations have not been identified.

### 4.3.4 Gage Aquifer

VOC results for the Gage aquifer are summarized on Figure 20 and in Table 4. Chlorobenzene is considered the most prevalent VOC in the Gage aquifer based on its high concentrations and wide distribution relative to other VOCs. Chlorobenzene is inferred to be associated with the adjacent Montrose Site and its distribution is therefore not presented on a figure or further discussed in this report.

The Gage aquifer benzene distribution inferred from the recent data is similar to the distribution for past sampling events and is illustrated on Figure 21. A trend of increasing benzene concentrations through time is identified at locations SWL0034 and XG-09.

Benzene is associated with the former Del Amo plant and Waste Pit area, various operations at the former Montrose plant property, and with petroleum pipelines in the area. Also, in theory, it cannot be ruled out that some biodegradation of chlorobenzene to benzene is occurring in-situ (although the breakdown pathway in anaerobic conditions such as in the Gage Aquifer has not been confirmed conclusively). Shell has argued that the data suggest sources other than the Del Amo plant with respect to benzene in the Gage Aquifer. EPA has not made any determinations with respect to the relative contributions among the various potential benzene sources.

The dissolved TCE and PCE plumes are presented on Figures 22 and 23, respectively. The data indicate that the TCE distribution in the Gage Aquifer on the eastern edge of the plant site likely originates from offsite sources west of the former plant site. However, additional work is planned in the Work Plan for TCE Data Acquisition to assess TCE in the MBFB and MBFC Sand to further evaluate this conclusion, particularly near the MBFC Sand well SWL-0054. PCE detections in the Gage aquifer are limited to SWL0034 (8.5 µg/l) and XG-17 (3.1 µg/l). The origins of the PCE plume are unclear from the available data. No concentration trends for TCE or PCE were identified.

## 4.4 BIODEGRADATION INDICATORS

Degradation of dissolved hydrocarbons can be facilitated by certain species of microorganisms indigenous in the subsurface. These microbes obtain energy by metabolizing and breaking down hydrocarbons that have been introduced into the environment. The microbes extract energy by facilitating the transfer of electrons from the hydrocarbon (an electron donor) to oxidized elements in the environment that are electron acceptors. Common electron acceptors in the saturated zone include dissolved oxygen, nitrate, ferric iron ($Fe^{+++}$), sulfate, and carbon dioxide. Thus, depleted concentrations of these elements and compounds coincident with hydrocarbon contamination serve as indicators of biodegradation. In some cases, it can be more convenient and/or accurate to measure increased concentrations of the byproducts of the chemical reduction process rather than decreased concentrations of the electron acceptors. For example, instead of measuring decreases in the concentrations of ferric iron ($Fe^{+++}$) or carbon dioxide, increases in concentrations of ferrous iron ($Fe^{++}$) and methane can be measured, which are equally valid indicators of biodegradation pathways.

Specific environmental conditions dictate which, if any, biodegradation pathways are active, so that not all indicators will necessarily be observed at a site. However, aerobic respiration and consumption of dissolved oxygen is typically the first process. After oxygen depletion,

degradation by anaerobic microorganisms through denitrification, chemical reduction of iron and sulfate, and methanogenesis pathways may occur.

Biodegradation indicator analyses completed for the baseline sampling event included total heterotrophic plate count (THPC) and hydrocarbon oxidizing population (HOP) for microbes, as well as tests for dissolved oxygen (DO), oxygen reduction potential (ORP), methane, nitrate, sulfate, and ferrous iron. The THPC analyses were intended to evaluate the general level at which microbes are present, while the HOP is specific to microbes capable of degrading hydrocarbon. DO and ORP are indicators for aerobic biodegradation pathways. These two analyses (DO and ORP) were completed with field instrumentation at the time of sampling. The remaining analyses for nitrate, ferrous iron, sulfate and methane are specific to anaerobic degradation pathways, and were completed in the laboratory.

Locations for which biodegradation indicator analyses were completed were limited to four wells within the water table zone (PZL0020, SWL0008, SWL0051, and SWL0006) and three MBFB wells (SWL0050, XG-01WC, and SWL0052). These two groups of wells form transects across the benzene plume from high to non-detectable concentrations within the water table and MBFB, respectively, based on historical groundwater data.

Biodegradation indicator data are summarized in Table 5. The THPC and HOP data indicate relatively low levels of aerobic bacteria are present, although the analyses performed are specific to only subsets of the entire microbial population and therefore may exclude some aerobic bacteria that are present. While ORP values are relatively low at all locations, a trend of decreasing values towards the interior of the benzene plume is evident for the MBFB, suggesting that some aerobic activity is occurring.

The data provide strong evidence of active anaerobic biodegradation through various pathways. Within the water table, sulfate concentrations are dramatically reduced within the area of elevated benzene concentrations, as would be expected if anaerobic biodegradation were occurring through chemical reduction of sulfate. Similarly, the elevated concentrations of ferrous iron ($Fe^{++}$) in the water table suggest active anaerobic biodegradation through chemical reduction of ferric iron ($Fe^{+++}$) to ferrous iron ($Fe^{++}$). Following the same line of reasoning, anaerobic degradation is also inferred to be active in the MBFB through denitrification and reduction of ferric iron. The above conclusions regarding biodegradation are consistent with observed decreases in benzene concentrations at numerous sampling locations near the margins of the benzene plume. Examples of this include PZL0025, SWL0021, SWL0046, SWL0051, and SWL0057.

## 5.0 REFERENCES


URS, 2001 Groundwater Monitoring Report, 2000 Annual Groundwater Monitoring Event, Del Amo Study Area, Los Angeles, California. June 6, 2001.

URS, 2004 Field Sampling Plan and Quality Assurance Project Plan, Baseline Groundwater Sampling, Initial Remedial Design Work, Joint Montrose Chemical and Del Amo Superfund Sites, Los Angeles, California (DSGWRD 0936-026). January 7, 2004. Appendix A: Standard Operating Procedures.

USEPA, 1999 Record of Decision (ROD) for Dual Site Groundwater Operable Unit, Montrose and Del Amo Superfund Sites. United States Environmental Protection Agency. March 30, 1999.

USEPA, 2003 Unilateral Administrative Order (UAO) Number 2003-08, Del Amo and Montrose Chemical Superfund Sites, Initial Groundwater Remedial Design Work. United States Environmental Protection Agency. September 3, 2003.

**TABLE 1**
**SAMPLING AND ANALYSIS PROGRAM**
**DEL AMO BASELINE GROUNDWATER SAMPLING**

| HSU | Well[1] | Grid Location[3] | Del Amo Respondent Analytical Program | | |
|---|---|---|---|---|---|
| | | | Groundwater Level Measurement | VOCs (8260B) | Biodegradation Indicators[4] |
| Water table | **PZL0001** | J7 | x | x | |
| | PZL0002 | G1 | x | | |
| | **PZL0003** | D1 | x | x | |
| | **PZL0004** | G5 | x | x | |
| | PZL0005 | I3 | x | | |
| | **PZL0006** | F5 | x | x | |
| | **PZL0007** | I5 | x | x | |
| | PZL0008 | G3 | x | | |
| | **PZL0009** | F4 | x | x | |
| | **PZL0010** | G4 | x | x | |
| | **PZL0011** | I6 | x | x | |
| | **PZL0012** | H6 | x | x | |
| | PZL0013 | H7 | x | | |
| | **PZL0014** | E3 | x | x | |
| | PZL0015 | E2 | x | | |
| | **PZL0016** | D4 | x | x | |
| | PZL0017 | F1 | x | | |
| | PZL0018 | F7 | x | | |
| | PZL0019 | E7 | x | | |
| | **PZL0020** | F7 | x | x | x |
| | **PZL0021*** | E7 | x | x | |
| | **PZL0022** | G8 | x | x | |
| | PZL0023 | NA | x | | |
| | PZL0024 | F8 | x | x | |
| | **PZL0025** | E7 | | | |
| | **PZL0026** | I7 | x | x | |
| | SWL0001* | D5 | x | | |
| | SWL0002* | D5 | x | | |
| | **SWL0003*** | D4 | x | x | |
| | **SWL0004*** | E5 | x | x | |
| | **SWL0005** | G8 | x | x | |
| | **SWL0006** | F8 | x | x | x |
| | **SWL0007** | D2 | x | x | |
| | **SWL0008** | F8 | x | x | x |
| | **SWL0009** | J7 | x | x | |
| | SWL0012 | G3 | x | | |
| | SWL0015 | I9 | x | | |
| | **SWL0016** | G6 | x | x | |
| | **SWL0017** | G4 | x | x | |
| | **SWL0021** | I8 | x | x | |
| | **SWL0024** | I8 | x | x | |
| | **SWL0028** | H10 | x | x | |
| | SWL0038 | E2 | x | | |
| | SWL0039 | F2 | x | | |

**TABLE 1**
**SAMPLING AND ANALYSIS PROGRAM**
**DEL AMO BASELINE GROUNDWATER SAMPLING**

| HSU | Well[1] | Grid Location[3] | Del Amo Respondent Analytical Program | | |
|---|---|---|---|---|---|
| | | | Groundwater Level Measurement | VOCs (8260B) | Biodegradation Indicators[4] |
| Water table | SWL0042 | I9 | x | x | |
| | SWL0044 | F7 | x | x | |
| | SWL0045 | F1 | x | | |
| | SWL0046 | H5 | x | x | |
| | SWL0049* | C8 | x | x | |
| | SWL0051 | F8 | x | x | x |
| | SWL0057 | G9 | x | x | |
| | XDM-02* | E7 | | | |
| | XGW-07A | J8 | x | | |
| | XMW-01* | C7 | | | |
| | XMW-01HD | H7 | x | | |
| | XMW-01T* | D4 | | | |
| | XMW-02* | B6 | x | | |
| | XMW-02HD | I7 | x | | |
| | XMW-02T* | D4 | | | |
| | XMW-03* | A6 | | | |
| | XMW-03HD | I7 | x | x | |
| | XMW-03T* | D4 | | | |
| | XMW-04* | B6 | | | |
| | XMW-04HD | H7 | x | x | |
| | XMW-04T* | D4 | | | |
| | XMW-05* | C6 | | | |
| | XMW-05T* | D4 | | | |
| | XMW-06* | B7 | | | |
| | XMW-06T* | D4 | | | |
| | XMW-07* | A7 | | | |
| | XMW-07T* | D4 | | | |
| | XMW-08* | A5 | | | |
| | XMW-09* | B5 | | | |
| | XMW-10* | C5 | | | |
| | XMW-11* | C6 | | | |
| | XMW-12* | D6 | | | |
| | XMW-13* | D7 | | | |
| | XMW-14* | C8 | | | |
| | XMW-15* | B8 | | | |
| | XMW-16* | A9 | | | |
| | XMW-17* | A7 | | | |
| | XMW-18* | B5 | | | |
| | XMW-19* | C4 | | | |
| | XMW-20* | D5 | x | | |
| | XMW-21* | E6 | x | x | |
| | XMW-22* | B9 | | | |
| | XMW-23 | E9 | x | | |
| | XMW-24 | D9 | x | | |
| | XMW-25 | E10 | | | |
| | XMW-26* | C9 | | | |

**TABLE 1**
**SAMPLING AND ANALYSIS PROGRAM**
**DEL AMO BASELINE GROUNDWATER SAMPLING**

| HSU | Well[1] | Grid Location[3] | Del Amo Respondent Analytical Program | | |
|---|---|---|---|---|---|
| | | | Groundwater Level Measurement | VOCs (8260B) | Biodegradation Indicators[4] |
| Water table | XMW-27* | D5 | | | |
| | XMW-28* | E6 | x | | |
| | XMW-29* | E7 | x | x | |
| | XMW-30* | E8 | | | |
| | XOW-01 | D3 | x | x | |
| | XOW-02 | D3 | x | x | |
| | XOW-03 | D3 | x | x | |
| | XOW-04 | D3 | x | x | |
| | XOW-05 | D4 | x | x | |
| | XOW-06 | D4 | x | x | |
| | XP-01 | F8 | | | |
| | XP-02* | F7 | x | x | |
| | XUBT-01* | B6 | | | |
| | XUBT-02* | B6 | | | |
| | XUBT-03* | B6 | | | |
| MBFB | PZL0021* | E7 | x | x | |
| | SWL0001* | E5 | x | | |
| | SWL0002* | E5 | x | | |
| | SWL0003* | E5 | x | x | |
| | SWL0004* | E5 | x | x | |
| | SWL0010 | K7 | x | | |
| | SWL0011 | H8 | x | | |
| | SWL0019 | I9 | x | | |
| | SWL0023 | I8 | x | x | |
| | SWL0029 | D4 | x | x | |
| | SWL0032 | E5 | x | | |
| | SWL0037 | G6 | x | x | |
| | SWL0041 | G8 | x | x | |
| | SWL0047 | F6 | x | x | |
| | SWL0048 | F7 | x | x | |
| | SWL0049* | D9 | x | x | |
| | SWL0050 | F8 | x | x | x |
| | SWL0052 | H9 | x | x | x |
| | SWL0056 | G10 | x | x | |
| | XDM-02* | F8 | | | |
| | XG-01WC | G9 | x | x | x |
| | XG-02WC | F10 | x | x | |
| | XGW-07C | K7 | x | | |
| | XMW-01* | C7 | | | |
| | XMW-01T* | D5 | | | |
| | XMW-02* | B7 | | | |
| | XMW-02T* | D5 | | | |
| | XMW-03* | B7 | | | |
| | XMW-03T* | | | | |
| | XMW-04* | B6 | | | |

**TABLE 1**
**SAMPLING AND ANALYSIS PROGRAM**
**DEL AMO BASELINE GROUNDWATER SAMPLING**

| HSU | Well[1] | Grid Location[3] | Del Amo Respondent Analytical Program | | |
|---|---|---|---|---|---|
| | | | Groundwater Level Measurement | VOCs (8260B) | Biodegradation Indicators[4] |
| MBFB | XMW-04T* | | | | |
| | XMW-05* | C7 | | | |
| | XMW-05T* | | | | |
| | XMW-06* | B8 | | | |
| | XMW-06T* | | | | |
| | XMW-07* | A8 | | | |
| | XMW-07T* | | | | |
| | XMW-08* | A6 | | | |
| | XMW-09* | C6 | | | |
| | XMW-10* | D6 | | | |
| | XMW-11* | D7 | | | |
| | XMW-12* | D7 | | | |
| | XMW-13* | D8 | | | |
| | XMW-14* | D8 | | | |
| | XMW-15* | C8 | | | |
| | XMW-16* | B9 | | | |
| | XMW-17* | A8 | | | |
| | XMW-18* | B6 | | | |
| | XMW-19* | C5 | | | |
| | XMW-20* | E5 | x | | |
| | XMW-21* | E6 | x | x | |
| | XMW-22* | B10 | | | |
| | XMW-26* | D10 | | | |
| | XMW-27* | D6 | | | |
| | XMW-28* | E6 | x | | |
| | XMW-29* | E8 | x | x | |
| | XMW-30* | E9 | | | |
| | XP-01 | | | | |
| | XP-02* | F7 | x | x | |
| | XP-03 | H8 | x | x | |
| | XUBT-01* | C7 | | | |
| | XUBT-02* | C7 | | | |
| | XUBT-03* | C7 | | | |
| MBFC | SWL0013 | H4 | x | x | |
| | SWL0014 | H5 | x | | |
| | SWL0018 | G4 | x | x | |
| | SWL0027 | H6 | x | | |
| | SWL0030 | E1 | x | x | |
| | SWL0033 | F4 | x | x | |
| | SWL0035 | G3 | x | x | |
| | SWL0040 | G4 | x | | |
| | SWL0053 | H4 | x | x | |
| | SWL0054 | F3 | x | x | |
| | SWL0055 | G4 | x | x | |
| | SWL0058 | F4 | x | x | |

**TABLE 1**
**SAMPLING AND ANALYSIS PROGRAM**
**DEL AMO BASELINE GROUNDWATER SAMPLING**

| HSU | Well[1] | Grid Location[3] | Del Amo Respondent Analytical Program | | |
|---|---|---|---|---|---|
| | | | Groundwater Level Measurement | VOCs (8260B) | Biodegradation Indicators[4] |
| MBFC | XBF-01 | C3 | | | |
| | XBF-02 | D3 | | | |
| | XBF-03 | D3 | | | |
| | XBF-04 | D3 | | | |
| | XBF-05 | E3 | | | |
| | XBF-06 | E4 | | | |
| | XBF-07 | E4 | | | |
| | XBF-08 | D4 | | | |
| | XBF-09 | D3 | | | |
| | XBF-10 | G5 | | | |
| | XBF-11 | G8 | | | |
| | XBF-12 | H7 | | | |
| | XBF-13 | H4 | | | |
| | XBF-14 | F5 | | | |
| | XBF-15 | E5 | | | |
| | XBF-16 | F8 | | | |
| | XBF-17 | G7 | | | |
| | XBF-18 | C2 | | | |
| | XBF-19 | E2 | | | |
| | XBF-20 | C4 | | | |
| | XBF-21 | E6 | | | |
| | XBF-22 | E8 | | | |
| | XBF-23 | G5 | | x | |
| | XBF-24 | F7 | | | |
| | XBF-25 | H9 | | | |
| | XBF-26 | H9 | | | |
| | XBF-27 | H9 | | | |
| | XBF-28 | I9 | | | |
| | XBF-29 | D7 | | | |
| | XBF-30 | E9 | | | |
| | XBF-31 | C8 | | | |
| | XBF-32 | A5 | | | |
| | XBF-32A | B5 | | | |
| | XBF-33 | B8 | | | |
| LBF | SWL0043 | - | | | |
| Gage | SWL0020 | I8 | x | | |
| | SWL0022 | G7 | x | | |
| | SWL0025 | J6 | x | | |
| | SWL0026 | H10 | x | | |
| | SWL0031 | D3 | x | x | |
| | SWL0034 | E8 | | | |
| | SWL0036 | G5 | x | x | |
| | XDA-1B | H8 | x | x | |
| | XG-01 | B6 | | | |
| | XG-02 | C7 | | | |
| | XG-03 | B6 | | | |

**TABLE 1**
**SAMPLING AND ANALYSIS PROGRAM**
**DEL AMO BASELINE GROUNDWATER SAMPLING**

| HSU | Well[1] | Grid Location[3] | Del Amo Respondent Analytical Program | | |
|---|---|---|---|---|---|
| | | | Groundwater Level Measurement | VOCs (8260B) | Biodegradation Indicators[4] |
| Gage | XG-04 | D6 | | | |
| | XG-05 | D7 | | | |
| | XG-06 | C7 | | | |
| | XG-07 | B7 | | | |
| | XG-08 | D8 | | | |
| | XG-09 | G8 | | | |
| | XG-10 | B5 | | | |
| | XG-11 | G7 | | | |
| | XG-12 | F8 | | | |
| | XG-13 | E8 | | | |
| | XG-14 | D5 | x | x | |
| | XG-15 | B7 | | | |
| | XG-16 | C9 | | | |
| | XG-17 | E7 | | | |
| | XG-18 | G10 | | | |
| | XG-19 | F10 | | | |
| | XLG-01 | C7 | | | |
| | XLG-02 | B6 | | | |
| Lynwood | XLW-01 | - | | | |
| | XLW-02 | - | | | |
| | XLW-03 | - | | | |
| | XLW-04 | - | | | |
| | XLW-05 | - | | | |
| | XLW-06 | - | | | |
| | XLW-07 | - | | | |
| **Totals*** | 71 **62** 72 | - | 112 | 71 | 7 |

* Asterisked wells are included in both water table and MBFB HSUs but are counted only once for totals (sampling and groundwater level measurements are not repeated for these wells).

1 Well locations shown in **RED** were sampled by the Del Amo Respondents

2 Well locations shown in **PURPLE** were sampled by Montrose.

3 The grid location is an aid for locating the wells on Figures 2 (water table), 3 (MBFB), 4 (MBFC) and 5 (Gage).

4 Biodegradation indicator tests included laboratory analyses for Total Heterotrophic Plate Count, Hydrocarbon Oxidizing Microbial Population, nitrate, ferrous iron (Fe+2), sulfate, and methane. Measurements of dissolved oxygen and oxidation reduction potential (ORP) were completed in the field at the time of groundwater sample collection.

# TABLE 2
## Time-Series Summary of Groundwater Elevations
## Del Amo 2004 Baseline Groundwater Sampling Report

| HSU | Location | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Feb | Change In Level Over Period of Record (ft) | Average Rate of Change in Level (ft/yr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Table | PZL0001 | -19.91 | -20.05 | -20.32 | -19.19 | -18.65 | -18.97 | -18.41 | -18.70 | -18.73 | -19.08 | -18.43 | -17.21 | -17.12 | -16.38 | 3.53 | 0.37 |
| | PZL0002 | -13.42 | -13.49 | -13.56 | -12.78 | -12.44 | -12.31 | -12.06 | -11.83 | -11.71 | -8.69 | -10.52 | -8.74 | -9.81* | -9.65 | 3.77 | 0.39 |
| | PZL0003 | -13.85 | -13.92 | -14.01 | -13.38 | -12.97 | -12.82 | -12.37 | -12.10 | -11.95 | -11.54 | -10.85 | -9.58 | -9.70 | -9.16 | 4.69 | 0.49 |
| | PZL0004 | -17.00 | -17.05 | -17.23 | -16.12 | -15.61 | -15.92 | -15.58 | -14.29 | -15.34 | -15.45 | -14.70 | -13.59* | -13.82 | -13.65 | 3.35 | 0.35 |
| | PZL0005 | -12.14 | -12.00 | -12.09 | -11.67 | -11.14 | -11.37 | -10.92 | -10.87 | -10.76 | -10.46 | -10.12 | -8.90 | -8.94 | -6.50 | 5.64 | 0.59 |
| | PZL0006 | -17.81 | -17.72 | -17.94 | -17.06 | -16.47 | -16.82 | -16.60 | -16.37 | -15.05 | -15.96 | -16.62 | -14.52 | -14.39 | -13.94 | 3.87 | 0.40 |
| | PZL0007 | -18.60 | -18.74 | -18.98 | NA | -17.58 | -17.65 | -17.10 | -17.35 | -17.44 | -17.48 | -16.78 | -15.92 | -15.96 | -14.39 | 4.21 | 0.44 |
| | PZL0008 | NA | -14.59 | -14.51 | -13.81 | -13.35 | -13.08 | -12.68 | -12.49 | -12.33 | -12.11 | -11.32 | -10.20 | -10.45 | -10.50 | 4.09 | 0.43 |
| | PZL0009 | -17.62 | -17.47 | -17.48 | -17.00 | -16.42 | -16.34 | -15.95 | -15.74 | -15.25 | -15.65 | -14.87 | -13.47 | -13.77 | -13.35 | 4.27 | 0.44 |
| | PZL0010 | -17.64 | -17.76 | -17.87 | -16.95 | -16.57 | -16.60 | -16.30 | -16.19 | -16.07 | -16.21 | -15.23 | -14.35 | -14.52 | -13.94 | 3.70 | 0.38 |
| | PZL0011 | -17.16 | -17.16 | -17.10 | -16.88 | -15.88 | -15.92 | -15.83 | -15.65 | -15.60 | -15.72 | -15.23 | -13.98 | -14.29 | -13.15 | 4.01 | 0.42 |
| | PZL0012 | -19.49 | -19.61 | -18.70 | -18.47 | -17.71 | -18.04 | -17.46* | -17.56 | -16.01 | -17.84 | NA | NA | NA | -13.67 | 5.82 | 0.60 |
| | PZL0013 | -29.01 | -15.96 | -16.04 | -15.93 | -15.44 | -15.48 | -15.58 | -15.46 | -15.21 | -15.32 | -14.78 | -13.88 | -15.06 | -13.31 | 15.70 | 1.63 |
| | PZL0014 | -15.97 | -16.04 | -15.98 | -15.27 | -14.90 | -14.64 | -14.33 | -14.09 | -13.92 | -13.91 | -12.57 | -11.53 | -11.89 | -11.62 | 4.35 | 0.45 |
| | PZL0015 | -14.74 | -14.72 | -14.73 | -14.25 | -13.65 | -13.48 | -13.14 | -12.95 | -12.84 | -12.92 | -11.75 | -10.65 | -11.05 | -10.95 | 3.79 | 0.39 |
| | PZL0016 | -17.99 | -17.91 | -17.81 | -17.46 | -16.90 | -16.79 | -16.50 | -16.15 | -15.87 | -15.89 | -14.54 | -13.96* | -14.01 | -13.56 | 4.43 | 0.46 |
| | PZL0017 | -13.07 | -13.10 | -13.11 | -12.62 | -12.07 | -11.82 | -11.49 | -11.39 | -11.32 | -11.27 | -10.40 | -9.21 | -9.66 | -9.76 | 3.31 | 0.34 |
| | PZL0018 | NA | -19.44 | -19.64 | -17.57 | -17.31 | -17.98 | -17.84 | -17.35 | -19.76 | -17.38 | -15.72 | -16.03 | -16.16 | -15.17 | 4.27 | 0.45 |
| | PZL0019 | -18.71 | -18.73 | -18.64 | -18.16 | -16.88 | -16.78 | -16.67 | -16.17 | -16.48 | -16.26 | -15.65 | -14.19 | NA | -12.31 | 6.40 | 0.66 |
| | PZL0020 | -17.51 | -17.42 | -17.63 | -16.78 | -15.16 | -15.45 | -15.27 | -15.37 | -15.69 | -13.49 | -14.70 | -13.65 | -14.47 | -13.89 | 3.62 | 0.38 |
| | PZL0021 | -20.03 | -20.01 | -20.19 | -19.22 | -18.98 | -18.88 | -18.58 | -13.42 | -18.04 | -17.87 | -17.29 | -15.26 | -16.46 | -15.91 | 4.12 | 0.43 |
| | PZL0022 | -18.85 | -18.95 | -18.88 | -19.25 | -18.83 | -18.73 | -18.87 | -18.78 | -18.95 | -18.87 | -18.35 | -17.01 | -17.62 | -14.89 | 3.96 | 0.41 |
| | PZL0023 | -18.83 | -18.88 | -17.30 | -17.47 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.36 | 1.76 |
| | PZL0024 | -18.33 | -18.71 | -18.27 | -18.62 | -16.26* | -16.13 | -16.28* | -16.11 | -16.38 | -15.75 | -14.28 | -13.54 | NA | NA | 4.79 | 1.03 |
| | PZL0025 | -19.27 | -19.24 | -17.81* | -18.03 | -16.86 | -17.11 | -16.99 | -17.12 | -17.14 | -16.86 | -16.38 | -14.93 | -15.68 | -14.80 | 4.47 | 0.46 |
| | PZL0026 | NA | -14.58 | -14.61 | -14.57 | -14.21 | -14.18 | -14.16 | -14.02 | -14.09 | -14.44 | -13.64 | -12.97 | -12.93 | -12.76 | 1.82 | 0.19 |
| | SWL0001 | -21.06 | -18.09 | -20.62 | -20.98 | -17.02 | -20.76 | -19.78 | NA | NA | -30.53 | -15.60 | -15.18 | -15.68 | -16.70 | 4.36 | 0.45 |

NA = Not available. * = Measurement taken before purging during sample round. All elevations in feet MSL.
Measurments in parentheses "( )" collected by Hargis + Associates.

created by wlev2.prg on 04/13/2004 at 14:00:27

# TABLE 2
## Time-Series Summary of Groundwater Elevations
## Del Amo 2004 Baseline Groundwater Sampling Report

| HSU | Location | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Feb | Change In Level Over Period of Record (ft) | Average Rate of Change in Level (ft/yr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Table | SWL0002 | -18.46 | -18.43 | -18.43 | -18.07 | -17.44 | -17.31 | -17.06 | NA | -16.56 | -16.63 | -15.78 | -14.75 | -14.52 | -14.14 | 4.32 | 0.45 |
| | SWL0003 | -18.41 | -18.97 | -18.33 | -17.91 | -17.25 | -17.14 | -16.90* | NA | -16.48 | -16.69 | -15.53 | -14.50 | -14.58 | -14.18 | 4.23 | 0.44 |
| | SWL0004 | -18.44 | -18.47 | -18.51 | -18.10 | -17.57 | -17.45 | -17.07 | NA | -16.91 | -17.18 | -15.87 | -15.02 | NA | -14.40 | 4.04 | 0.42 |
| | SWL0005 | -18.11 | -18.13 | -18.51 | -16.80 | -16.16 | -16.61 | -16.37 | -16.64 | -16.65 | -16.44 | -13.88 | -14.96 | -15.33* | -15.02 | 3.09 | 0.32 |
| | SWL0006 | -20.06 | -20.04 | -19.81 | -19.15 | -18.62* | -18.73 | -18.38 | -18.22 | -18.20 | -18.39 | -17.61 | -16.93* | -16.93 | -15.58 | 4.48 | 0.46 |
| | SWL0007 | -16.72 | -16.65 | -16.64 | -16.29 | -15.87 | -15.49 | -15.27 | -14.93 | -14.62 | -14.61 | -13.56 | -12.51 | -12.75 | -12.59 | 4.13 | 0.43 |
| | SWL0008 | -17.37 | -17.42 | -17.42 | -15.86 | -15.06 | -15.18 | -15.40 | -15.16 | -15.57 | -15.74 | -14.60 | -13.60 | -14.32 | -13.96 | 3.41 | 0.35 |
| | SWL0009 | -15.28 | -15.34 | -15.44 | -12.87 | -12.38 | -12.89 | -12.91 | -12.69 | -12.94 | -12.23 | -10.67 | -9.68 | -9.19 | -10.18 | 5.10 | 0.53 |
| | SWL0012 | -13.32 | -13.27 | -13.29 | -12.69 | -12.30 | -12.07 | -11.87 | -11.65 | -11.58 | -11.48 | -10.82 | -9.42 | -9.51 | -9.39 | 3.93 | 0.41 |
| | SWL0015 | -20.55 | -20.76 | -20.89 | -19.93 | -19.19 | -19.46 | -18.75 | -19.61 | -19.09 | -19.54 | -18.96 | -17.89 | -17.91 | -16.73 | 3.82 | 0.40 |
| | SWL0016 | -18.42 | -18.28 | -18.50 | -17.27 | -16.83 | -17.26 | -16.82* | -15.38 | -16.72 | -16.86 | -16.08 | -14.88 | -15.15 | -14.65 | 3.77 | 0.39 |
| | SWL0017 | -17.71 | -17.75 | -17.75 | -17.01 | -16.55 | -16.64 | -16.27 | -16.13 | -15.88 | -16.20 | -15.31 | NA | -14.45 | -13.68 | 4.03 | 0.42 |
| | SWL0021 | -20.39 | -20.34 | -20.61 | -19.55 | -19.00 | -19.24 | -18.61 | -18.82 | -17.53 | -19.39 | -16.77 | -17.73 | -16.80 | -16.62 | 3.77 | 0.39 |
| | SWL0024 | -19.77 | -19.86 | -20.11 | -19.04 | -18.49 | -18.85 | -18.22 | -19.74 | -18.65 | -18.89 | -16.43 | -16.34 | -16.41 | -14.43 | 5.34 | 0.55 |
| | SWL0028 | -17.77 | -17.86 | -17.99 | -17.17 | -16.06 | -15.82 | -15.84 | -15.63 | -15.79 | -15.79 | -15.52 | -13.28 | -13.43 | -13.54 | 4.23 | 0.44 |
| | SWL0038 | -15.53 | -15.69 | -15.72 | -15.20 | -14.77 | -14.49 | -14.18 | -13.99 | -13.79 | -13.84 | -12.55 | -11.58 | -11.98 | -11.63 | 3.90 | 0.40 |
| | SWL0039 | -14.16 | -14.37 | -14.18 | -13.75 | -12.13 | -12.90 | -12.56 | -12.40 | -12.29 | -12.27 | -11.25 | -10.13 | -10.51 | -10.72 | 3.44 | 0.36 |
| | SWL0042 | NA | -21.47 | -21.72 | -20.83 | -19.99 | -20.43 | -19.59 | -19.99 | -19.94 | -20.23 | -19.99 | -18.45 | -18.65 | -17.48 | 3.99 | 0.42 |
| | SWL0044 | NA | NA | NA | NA | -16.81 | -17.26 | -17.08 | -16.62 | -17.13 | -16.40 | -15.13 | -15.21 | -15.39 | -15.00 | 1.81 | 0.21 |
| | SWL0045 | NA | NA | NA | NA | NA | -4.05 | -4.14 | -3.70 | -4.03 | -3.90 | NA | NA | NA | NA | 0.15 | 0.12 |
| | SWL0046 | NA | NA | NA | NA | NA | -17.47 | -17.08 | -17.08 | -16.29 | -16.72 | -16.44 | -15.42 | -15.62 | -14.54 | 2.93 | 0.35 |
| | SWL0049 | NA | NA | NA | NA | NA | -18.85 | -18.52 | -18.21 | -17.95 | -18.13 | -17.14 | -16.26 | -16.16 | -15.33 | 3.52 | 0.43 |
| | SWL0051 | NA | NA | NA | NA | NA | -14.87 | -16.10* | -15.20 | -15.30 | -15.66 | -15.38 | -13.72 | -14.40* | -14.04 | 0.83 | 0.10 |
| | SWL0057 | NA | NA | NA | NA | NA | -14.36* | -14.28 | -14.52 | -14.56 | -14.41 | -14.08 | -12.61 | -13.34 | -12.99 | 1.37 | 0.17 |
| | XDM-01 | -22.38 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | XDM-02 | -18.10 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | XGW-07A | -21.31 | -21.58 | -19.82 | -17.94* | -18.11 | -18.46 | -17.86 | -17.96 | -17.97 | -17.92 | -16.76 | -15.92 | 17.57 | -15.28 | 6.03 | 0.62 |

NA = Not available. * = Measurement taken before purging during sample round. All elevations in feet MSL.
Measurments in parentheses "( )" collected by Hargis + Associates.

created by wlev2.prg on 04/13/2004 at 14:00:28

# TABLE 2
## Time-Series Summary of Groundwater Elevations
## Del Amo 2004 Baseline Groundwater Sampling Report

| HSU | Location | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Feb | Change In Level Over Period of Record (ft) | Average Rate of Change in Level (ft/yr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Table | XMW-01 | -19.82 | -19.75 | -19.49 | -19.27 | -18.76 | -18.48 | -18.27 | -17.87 | -17.67 | -17.53 | -22.51 | -15.56 | -15.42 | (-14.87) | 4.40 | 0.72 |
| | XMW-01HD | -16.09 | -16.06 | -16.15 | -15.78 | -15.41 | -15.36 | -15.19 | -15.04 | -15.02 | -15.97 | -14.61 | NA | -13.72 | -13.35 | 2.74 | 0.28 |
| | XMW-01T | -18.32 | -18.36 | -18.39 | -17.80 | -17.43 | -17.29 | -16.98 | -16.70 | -16.53 | -16.29 | -15.49 | NA | NA | NA | 2.83 | 0.76 |
| | XMW-02 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (-13.76) | NA | NA |
| | XMW-02HD | -14.87 | -14.93 | -15.10 | -14.92 | -14.40 | -14.57 | -14.52 | -14.68 | -14.58 | -14.56 | NA | -13.55 | NA | -13.21 | 1.66 | 0.17 |
| | XMW-02T | -18.46 | -18.52 | -18.54 | -17.98 | -17.31 | -17.41 | -17.09 | -16.82 | -16.61 | -16.36 | -15.40 | NA | NA | NA | 3.06 | 0.82 |
| | XMW-03 | NA | NA | -19.10 | NA | NA | -18.17 | -17.74 | -17.34 | -17.01 | -17.14 | -16.00 | -15.12 | -15.41 | (-14.91) | 3.69 | 0.64 |
| | XMW-03HD | -15.41 | -15.41 | -15.54 | -15.26 | -14.68 | -14.92 | -14.78 | -14.86 | -14.76 | -14.78 | -14.24 | -13.64 | -13.54 | -13.39 | 2.02 | 0.21 |
| | XMW-04 | -18.99 | -18.89 | -18.79 | -18.64 | -18.14 | -17.84 | -17.47 | -17.06 | -16.78 | -16.74 | -15.81 | -14.95 | -14.91 | (-14.59) | 4.08 | 0.67 |
| | XMW-04HD | -19.24 | -19.36 | -19.57 | -18.62 | -17.83 | -18.34 | -18.68 | -18.01 | -17.81 | -18.21 | -17.44 | -16.88 | -16.81 | -15.55 | 3.69 | 0.38 |
| | XMW-05 | -19.08 | -18.98 | -18.77 | -18.58 | -18.06 | -17.79 | -17.57 | -17.16 | -16.88 | -16.89 | -15.93 | -14.97 | -14.87 | (-14.59) | 4.21 | 0.69 |
| | XMW-06 | -18.65 | -19.56 | -19.40 | -19.12 | -18.77 | -18.61 | -18.03 | -17.74 | -17.46 | -17.12 | -16.59 | -15.52 | NA | (-14.82) | 3.13 | 0.67 |
| | XMW-07 | NA | NA | NA | NA | NA | -18.49 | NA | NA | NA | NA | NA | NA | NA | (-14.78) | NA | NA |
| | XMW-08 | NA | NA | NA | NA | NA | -67.17 | NA | -66.23 | NA | NA | NA | NA | NA | (-20.49) | 0.94 | 1.48 |
| | XMW-09 | -19.04 | -18.87 | -18.77 | -18.45 | -18.15 | -17.93 | -17.56 | -17.06 | -16.77 | -16.89 | NA | NA | -19.73 | (-16.45) | -0.69 | -0.11 |
| | XMW-10 | -18.90 | -18.91 | -18.76 | -18.45 | -18.02 | -17.73 | -17.48 | -17.02 | -16.85 | -16.87 | -15.88 | -14.86 | -14.81 | (-14.42) | 4.09 | 0.67 |
| | XMW-11 | -19.47 | -19.33 | -19.32 | -19.06 | -18.53 | -18.24 | -18.05 | -17.57 | -17.42 | -17.31 | -16.52 | -15.48 | -15.35 | (-14.77) | 4.12 | 0.68 |
| | XMW-12 | -19.25 | -19.20 | -19.52 | -19.11 | -18.52 | -18.35 | -18.18 | -17.69 | -17.64 | -17.44 | -16.68 | -15.65 | -15.65 | (-14.98) | 3.60 | 0.59 |
| | XMW-13 | -19.74 | -19.79 | -19.62 | -19.28 | -18.57 | -18.48 | -18.17 | -17.80 | -17.77 | -17.83 | -16.69 | -15.93 | -15.85 | (-15.15) | 3.89 | 0.64 |
| | XMW-14 | -19.80 | -19.71 | -19.70 | -19.42 | -18.86 | -18.68 | -18.36 | -18.04 | -17.92 | -17.94 | -16.85 | -15.51 | -15.79 | (-15.04) | 4.01 | 0.66 |
| | XMW-15 | -19.91 | -19.81 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.10 | 0.78 |
| | XMW-16 | -19.98 | NA | -19.96 | -19.66 | NA | -19.05 | -18.71 | -18.26 | -17.91 | -17.72 | -17.01 | -16.18 | NA | (-15.11) | 3.80 | 0.81 |
| | XMW-17 | NA | NA | NA | NA | NA | -18.48 | NA | NA | NA | NA | NA | NA | NA | (-14.75) | NA | NA |
| | XMW-18 | -18.90 | NA | NA | NA | NA | -18.00 | -17.41 | NA | NA | NA | NA | NA | NA | NA | 1.49 | 0.89 |
| | XMW-19 | -18.45 | -18.34 | -18.14 | -17.94 | -17.59 | -17.38 | -17.02 | -16.49 | -16.26 | -16.42 | -15.30 | -14.24 | NA | (-14.20) | 4.21 | 0.90 |
| | XMW-20 | -19.07 | -18.70 | -18.42 | -19.12 | -18.21 | -17.32 | NA | NA | NA | NA | -16.85 | -16.19 | NA | -14.91 | 4.16 | 0.43 |
| | XMW-21 | -22.89 | -18.62 | -18.84 | -18.29 | -18.37 | -17.91 | -17.48 | -17.19 | -17.15 | -17.14 | -16.19 | -15.36 | -15.51 | -14.82* | 8.07 | 0.84 |

NA = Not available. * = Measurement taken before purging during sample round. All elevations in feet MSL.
Measurments in parentheses "( )" collected by Hargis + Associates.

created by wlev2.prg on 04/13/2004 at 14:00:29

# TABLE 2
## Time-Series Summary of Groundwater Elevations
## Del Amo 2004 Baseline Groundwater Sampling Report

| HSU | Location | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Feb | Change In Level Over Period of Record (ft) | Average Rate of Change in Level (ft/yr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Table | XMW-22 | -20.16 | -19.99 | -20.02 | -19.75 | -19.20 | -18.97 | -18.49 | -18.30 | -17.97 | -17.99 | -17.18 | -16.21 | NA | (-15.31) | 3.95 | 0.85 |
| | XMW-23 | -20.28 | -20.19 | -20.25 | -19.49 | -18.67 | -18.71 | -18.42 | -18.32 | -18.25 | -18.37 | -17.72 | NA | NA | -15.40 | 4.88 | 0.51 |
| | XMW-24 | -19.80 | -19.83 | -19.81 | -19.12 | -18.35 | -18.41 | -18.21 | -18.12 | -18.05 | -18.22 | -17.36 | -16.07 | -16.53 | -15.22 | 4.58 | 0.47 |
| | XMW-25 | -20.98 | -21.03 | -21.04 | -20.38 | -19.77 | -19.93 | -19.40 | -19.34 | -18.82 | -19.04 | -18.70 | -17.87 | -22.36 | (-16.68) | -1.38 | -0.23 |
| | XMW-26 | -20.16 | -20.09 | -19.95 | -19.74 | -19.17 | -18.84 | -18.52 | -18.24 | -18.01 | -17.97 | -17.20 | -16.01 | -16.06 | (-15.23) | 4.10 | 0.67 |
| | XMW-27 | -18.68 | -18.70 | -18.65 | -18.27 | -17.90 | -17.71 | -17.42 | -16.96 | -16.93 | -16.56 | -15.92 | -14.98 | -15.01 | (-14.45) | 3.67 | 0.60 |
| | XMW-28 | -19.29 | -19.17 | -19.33 | -18.67 | -18.61 | -18.23 | -17.98* | -17.57 | -17.43 | -17.52 | -16.67 | -15.79* | -15.72 | -14.89 | 4.40 | 0.46 |
| | XMW-29 | -19.73 | -19.79 | -19.76 | -19.12 | -18.56 | -18.69 | -18.29 | -17.92 | -17.95 | -17.75 | -16.98 | -16.03 | -15.73 | -15.00 | 4.73 | 0.49 |
| | XMW-30 | -19.89 | -19.89 | -19.83 | -19.25 | -18.28 | -18.44 | -18.07 | -18.03 | -17.78 | -18.01 | -17.10 | -16.00 | -16.26 | (-15.03) | 3.63 | 0.60 |
| | XOW-01 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | -12.79 | NA | NA |
| | XOW-02 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | -13.15 | NA | NA |
| | XOW-03 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | -13.12 | NA | NA |
| | XOW-04 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | -13.25 | NA | NA |
| | XOW-05 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | -13.35 | NA | NA |
| | XOW-06 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | -13.32 | NA | NA |
| | XP-02 | -19.34 | -19.43 | -19.64 | -17.50 | -17.96 | -18.08 | -17.74 | -17.47 | NA | -17.09 | -15.41 | -15.85 | -16.05 | -15.29 | 4.05 | 0.42 |
| | XUBE-01 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (-14.81) | NA | NA |
| | XUBT-01 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (-14.88) | NA | NA |
| | XUBT-02 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (-14.91) | NA | NA |
| | XUBT-03 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (-14.88) | NA | NA |
| MBFB | PZL0021 | -20.03 | -20.01 | -20.19 | -19.22 | -18.98 | -18.88 | -18.58 | -13.42 | -18.04 | -17.87 | -17.29 | -15.26 | -16.46 | -15.91 | 4.12 | 0.43 |
| | SWL0001 | -21.06 | -18.09 | -20.62 | -20.98 | -17.02 | -20.76 | -19.78 | NA | NA | -30.53 | -15.60 | -15.18 | -15.68 | -16.70 | 4.36 | 0.45 |
| | SWL0002 | -18.46 | -18.43 | -18.43 | -18.07 | -17.44 | -17.31 | -17.06 | NA | -16.56 | -16.63 | -15.78 | -14.75 | -14.52 | -14.14 | 4.32 | 0.45 |
| | SWL0003 | -18.41 | -18.97 | -18.33 | -17.91 | -17.25 | -17.14 | -16.90* | NA | -16.48 | -16.69 | -15.53 | -14.50 | -14.58 | -14.18 | 4.23 | 0.44 |
| | SWL0004 | -18.44 | -18.47 | -18.51 | -18.10 | -17.57 | -17.45 | -17.07 | NA | -16.91 | -17.18 | -15.87 | -15.02 | NA | -14.40 | 4.04 | 0.42 |
| | SWL0010 | -19.88 | -20.10 | -20.38 | -19.07 | -18.78 | -18.94 | -18.10 | -18.79 | -19.00 | -18.92 | -18.63 | -17.66 | -17.62 | -16.38 | 3.50 | 0.36 |
| | SWL0011 | -20.06 | -20.19 | -20.44 | -19.25 | -18.86 | -19.05 | -18.33 | -18.71 | -18.83 | -18.60 | -18.13 | -17.46 | NA | -12.61 | 7.45 | 0.77 |

NA = Not available. * = Measurement taken before purging during sample round. All elevations in feet MSL.
Measurments in parentheses "( )" collected by Hargis + Associates.

created by wlev2.prg on 04/13/2004 at 14:00:29

# TABLE 2
## Time-Series Summary of Groundwater Elevations
## Del Amo 2004 Baseline Groundwater Sampling Report

| HSU | Location | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Feb | Change In Level Over Period of Record (ft) | Average Rate of Change in Level (ft/yr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFB | SWL0019 | -21.55 | -21.77 | -22.07 | -20.99 | -20.55 | -20.67 | -19.49 | -20.86 | -20.78 | -20.72 | -19.97 | -19.41 | -19.39 | -17.93 | 3.62 | 0.38 |
| | SWL0023 | -20.95 | -21.08 | -21.36 | -20.08 | -19.88 | -19.99 | -19.05 | -19.74 | -19.94 | -19.91 | -19.18 | -18.66 | -18.74 | -17.39* | 3.56 | 0.37 |
| | SWL0029 | -18.02 | -18.05 | -18.10 | -17.51 | -17.10 | -16.97 | -16.66 | -16.29 | -16.27 | -15.87 | -15.05 | -14.14* | -14.31 | -13.85 | 4.17 | 0.43 |
| | SWL0032 | -18.44 | -18.45 | -18.63 | -18.56 | -18.15 | -18.35 | -18.29 | NA | -18.43 | -18.86 | -17.47 | -16.70 | -16.81 | -16.43 | 2.01 | 0.21 |
| | SWL0037 | -19.01 | -19.13 | -19.33 | -18.28 | -17.94 | -17.98 | -17.58 | -17.53 | -17.55 | -17.58 | -16.79 | -15.79 | -16.04 | -15.19 | 3.82 | 0.40 |
| | SWL0041 | -21.13 | -21.25 | -21.68 | -20.10* | -19.10 | -19.21 | -18.64 | -18.81 | -18.89 | -18.70 | -18.16 | -17.40 | -17.52 | -16.47 | 4.66 | 0.48 |
| | SWL0047 | NA | NA | NA | NA | NA | -17.77 | -17.43 | -17.27 | -17.16 | -17.06 | -21.34 | -15.39 | -15.60 | -14.84 | 2.93 | 0.35 |
| | SWL0048 | NA | NA | NA | NA | NA | -18.43 | -18.01 | -17.90 | -17.94 | -17.93 | -17.11 | -16.00 | -16.42 | -15.52 | 2.91 | 0.35 |
| | SWL0049 | NA | NA | NA | NA | NA | -18.85 | -18.52 | -18.21 | -17.95 | -18.13 | -17.14 | -16.26 | -16.16 | -15.33 | 3.52 | 0.43 |
| | SWL0050 | NA | NA | NA | NA | NA | -18.85 | -18.35 | -18.32 | -18.30 | -18.00 | -17.42 | -16.73 | -16.85 | -15.96 | 2.89 | 0.35 |
| | SWL0052 | NA | NA | NA | NA | NA | -19.15 | -18.33 | -18.86 | -18.95 | -18.74 | NA | -17.58 | -17.69 | -16.50 | 2.65 | 0.32 |
| | SWL0056 | NA | NA | NA | NA | NA | -19.77* | -19.09 | -19.63 | -19.76 | -19.54 | -19.08 | -18.15 | -18.42 | -17.21 | 2.56 | 0.31 |
| | XDM-02 | -18.10 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | XG-01WC | NA | NA | NA | -22.36* | -18.21* | -19.23 | -18.63 | -18.96 | -28.79 | -18.86 | -18.33 | -17.52 | -17.67 | -16.57 | 5.79 | 0.66 |
| | XG-02WC | NA | NA | NA | -19.59* | -19.38* | -19.97 | -18.95 | -18.82 | -19.03 | -19.07 | -19.29 | -17.50 | -17.63 | -16.39 | 3.20 | 0.36 |
| | XGW-07C | -20.52 | -19.69 | -20.93 | -19.62 | -20.26 | -20.52 | -19.55* | -20.39 | -19.53 | -19.79 | -19.12 | -18.28 | -19.36 | -16.99 | 3.53 | 0.37 |
| | XMW-01 | -19.82 | -19.75 | -19.49 | -19.27 | -18.76 | -18.48 | -18.27 | -17.87 | -17.67 | -17.53 | -22.51 | -15.56 | -15.42 | (-14.87) | 4.40 | 0.72 |
| | XMW-01T | -18.32 | -18.36 | -18.39 | -17.80 | -17.43 | -17.29 | -16.98 | -16.70 | -16.53 | -16.29 | -15.49 | NA | NA | NA | 2.83 | 0.76 |
| | XMW-02 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (-13.76) | NA | NA |
| | XMW-02T | -18.46 | -18.52 | -18.54 | -17.98 | -17.31 | -17.41 | -17.09 | -16.82 | -16.61 | -16.36 | -15.40 | NA | NA | NA | 3.06 | 0.82 |
| | XMW-03 | NA | NA | -19.10 | NA | NA | -18.17 | -17.74 | -17.34 | -17.01 | -17.14 | -16.00 | -15.12 | -15.41 | (-14.91) | 3.69 | 0.64 |
| | XMW-04 | -18.99 | -18.89 | -18.79 | -18.64 | -18.14 | -17.84 | -17.47 | -17.06 | -16.78 | -16.74 | -15.81 | -14.95 | -14.91 | (-14.59) | 4.08 | 0.67 |
| | XMW-05 | -19.08 | -18.98 | -18.77 | -18.58 | -18.06 | -17.79 | -17.57 | -17.16 | -16.88 | -16.89 | -15.93 | -14.97 | -14.87 | (-14.59) | 4.21 | 0.69 |
| | XMW-06 | -18.65 | -19.56 | -19.40 | -19.12 | -18.77 | -18.61 | -18.03 | -17.74 | -17.46 | -17.12 | -16.59 | -15.52 | NA | (-14.82) | 3.13 | 0.67 |
| | XMW-07 | NA | NA | NA | NA | NA | -18.49 | NA | NA | NA | NA | NA | NA | NA | (-14.78) | NA | NA |
| | XMW-08 | NA | NA | NA | NA | NA | -67.17 | NA | -66.23 | NA | NA | NA | NA | NA | (-20.49) | 0.94 | 1.48 |
| | XMW-09 | -19.04 | -18.87 | -18.77 | -18.45 | -18.15 | -17.93 | -17.56 | -17.06 | -16.77 | -16.89 | NA | NA | -19.73 | (-16.45) | -0.69 | -0.11 |

NA = Not available. * = Measurement taken before purging during sample round. All elevations in feet MSL.
Measurments in parentheses "( )" collected by Hargis + Associates.

created by wlev2.prg on 04/13/2004 at 14:00:30

# TABLE 2
## Time-Series Summary of Groundwater Elevations
## Del Amo 2004 Baseline Groundwater Sampling Report

| HSU | Location | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Feb | Change In Level Over Period of Record (ft) | Average Rate of Change in Level (ft/yr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFB | XMW-10 | -18.90 | -18.91 | -18.76 | -18.45 | -18.02 | -17.73 | -17.48 | -17.02 | -16.85 | -16.87 | -15.88 | -14.86 | -14.81 | (-14.42) | 4.09 | 0.67 |
| | XMW-11 | -19.47 | -19.33 | -19.32 | -19.06 | -18.53 | -18.24 | -18.05 | -17.57 | -17.42 | -17.31 | -16.52 | -15.48 | -15.35 | (-14.77) | 4.12 | 0.68 |
| | XMW-12 | -19.25 | -19.20 | -19.52 | -19.11 | -18.52 | -18.35 | -18.18 | -17.69 | -17.64 | -17.44 | -16.68 | -15.65 | -15.65 | (-14.98) | 3.60 | 0.59 |
| | XMW-13 | -19.74 | -19.79 | -19.62 | -19.28 | -18.57 | -18.48 | -18.17 | -17.80 | -17.77 | -17.83 | -16.69 | -15.93 | -15.85 | (-15.15) | 3.89 | 0.64 |
| | XMW-14 | -19.80 | -19.71 | -19.70 | -19.42 | -18.86 | -18.68 | -18.36 | -18.04 | -17.92 | -17.94 | -16.85 | -15.51 | -15.79 | (-15.04) | 4.01 | 0.66 |
| | XMW-15 | -19.91 | -19.81 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.10 | 0.78 |
| | XMW-16 | -19.98 | NA | -19.96 | -19.66 | NA | -19.05 | -18.71 | -18.26 | -17.91 | -17.72 | -17.01 | -16.18 | NA | (-15.11) | 3.80 | 0.81 |
| | XMW-17 | NA | NA | NA | NA | NA | -18.48 | NA | NA | NA | NA | NA | NA | NA | (-14.75) | NA | NA |
| | XMW-18 | -18.90 | NA | NA | NA | NA | -18.00 | -17.41 | NA | NA | NA | NA | NA | NA | NA | 1.49 | 0.89 |
| | XMW-19 | -18.45 | -18.34 | -18.14 | -17.94 | -17.59 | -17.38 | -17.02 | -16.49 | -16.26 | -16.42 | -15.30 | -14.24 | NA | (-14.20) | 4.21 | 0.90 |
| | XMW-20 | -19.07 | -18.70 | -18.42 | -19.12 | -18.21 | -17.32 | NA | NA | NA | NA | -16.85 | -16.19 | NA | -14.91 | 4.16 | 0.43 |
| | XMW-21 | -22.89 | -18.62 | -18.84 | -18.29 | -18.37 | -17.91 | -17.48 | -17.19 | -17.15 | -17.14 | -16.19 | -15.36 | -15.51 | -14.82* | 8.07 | 0.84 |
| | XMW-22 | -20.16 | -19.99 | -20.02 | -19.75 | -19.20 | -18.97 | -18.49 | -18.30 | -17.97 | -17.99 | -17.18 | -16.21 | NA | (-15.31) | 3.95 | 0.85 |
| | XMW-26 | -20.16 | -20.09 | -19.95 | -19.74 | -19.17 | -18.84 | -18.52 | -18.24 | -18.01 | -17.97 | -17.20 | -16.01 | -16.06 | (-15.23) | 4.10 | 0.67 |
| | XMW-27 | -18.68 | -18.70 | -18.65 | -18.27 | -17.90 | -17.71 | -17.42 | -16.96 | -16.93 | -16.56 | -15.92 | -14.98 | -15.01 | (-14.45) | 3.67 | 0.60 |
| | XMW-28 | -19.29 | -19.17 | -19.33 | -18.67 | -18.61 | -18.23 | -17.98* | -17.57 | -17.43 | -17.52 | -16.67 | -15.79* | -15.72 | -14.89 | 4.40 | 0.46 |
| | XMW-29 | -19.73 | -19.79 | -19.76 | -19.12 | -18.56 | -18.69 | -18.29 | -17.92 | -17.95 | -17.75 | -16.98 | -16.03 | -15.73 | -15.00 | 4.73 | 0.49 |
| | XMW-30 | -19.89 | -19.89 | -19.83 | -19.25 | -18.28 | -18.44 | -18.07 | -18.03 | -17.78 | -18.01 | -17.10 | -16.00 | -16.26 | (-15.03) | 3.63 | 0.60 |
| | XP-02 | -19.34 | -19.43 | -19.64 | -17.50 | -17.96 | -18.08 | -17.74 | -17.47 | NA | -17.09 | -15.41 | -15.85 | -16.05 | -15.29 | 4.05 | 0.42 |
| | XP-03 | NA | NA | NA | -19.20* | -19.29 | -19.22 | -18.53 | -18.89 | -18.98 | -18.78 | -18.33 | -17.56 | -17.67 | -16.85 | 2.35 | 0.27 |
| MBFC | SWL0013 | -20.09 | -20.20 | -20.48 | -19.28 | -18.88 | -19.03 | -18.37 | -18.74 | -18.87 | -18.83 | -18.22 | -17.54 | NA | -15.01 | 5.08 | 0.53 |
| | SWL0014 | -26.36 | -21.56 | -21.82 | -20.71 | -20.27 | -20.42 | -19.31 | -20.14 | -20.32 | -20.29 | -19.55 | -18.91 | -18.96 | -16.48 | 9.88 | 1.02 |
| | SWL0018 | -19.84 | -19.89 | -20.12 | -19.23 | -19.03 | -18.74 | -18.25 | -18.27 | -18.37 | -18.38 | -17.41 | -16.73* | -16.85 | -15.88 | 3.96 | 0.41 |
| | SWL0027 | -21.78 | -21.95 | -22.15 | -20.97 | -20.62 | -20.77 | -19.67 | -20.46 | -20.66 | -20.39 | -19.87 | -19.07 | -19.24 | -17.84 | 3.94 | 0.41 |
| | SWL0030 | -18.09 | -18.09 | -18.13 | -17.53 | -17.14 | -17.03 | -16.67 | -16.36 | -16.22 | -15.93 | -15.11 | -14.26* | -14.46 | -13.87 | 4.22 | 0.44 |
| | SWL0033 | -20.14 | -20.18 | -20.34 | -19.48 | -18.95 | -19.00 | -18.52 | -18.48 | -18.45 | -18.55 | -17.58 | -16.86 | -16.97 | -16.16 | 3.98 | 0.41 |
| | SWL0035 | -19.12 | -19.19 | -19.41 | -18.38 | -18.02 | -18.08 | -17.64 | -17.63 | -17.61 | -17.63 | -16.89 | -15.91 | -16.14 | -15.24 | 3.88 | 0.40 |

NA = Not available. * = Measurement taken before purging during sample round. All elevations in feet MSL.
Measurments in parentheses "( )" collected by Hargis + Associates.

created by wlev2.prg on 04/13/2004 at 14:00:30

# TABLE 2
## Time-Series Summary of Groundwater Elevations
## Del Amo 2004 Baseline Groundwater Sampling Report

| HSU | Location | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Feb | Change In Level Over Period of Record (ft) | Average Rate of Change in Level (ft/yr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFC | SWL0040 | -20.40 | -20.49 | -20.25 | -19.31* | -19.22 | -19.35 | -18.75 | -19.03 | -19.05 | -18.79 | -18.21 | -17.54 | -17.50 | -16.27 | 4.13 | 0.43 |
| | SWL0043 | NA | -22.31 | -21.79 | -20.66 | -20.26 | -20.40 | -19.30 | -20.11 | -20.24 | -21.15 | -19.50 | -18.86 | -18.92 | NA | 3.39 | 0.57 |
| | SWL0053 | NA | NA | NA | NA | NA | -19.09 | -18.24 | -18.79 | -18.88 | -19.72 | -18.21 | -17.50 | -17.57 | -16.42 | 2.67 | 0.32 |
| | SWL0054 | NA | NA | NA | NA | NA | -17.87* | -17.67 | -17.47 | -17.39 | -17.48 | -16.45 | -15.60 | -15.80 | -14.99 | 2.88 | 0.35 |
| | SWL0055 | NA | NA | NA | NA | NA | -18.63* | -18.23 | -18.22 | -18.22 | -17.99 | -17.46 | -16.69 | -16.81 | -15.90 | 2.73 | 0.33 |
| | SWL0058 | NA | NA | NA | NA | NA | NA | -18.17 | -17.97 | -17.95 | -18.06 | -17.18 | -16.29 | -16.39 | -15.56 | 2.61 | 0.33 |
| | XBF-01 | -19.26 | -19.37 | -19.45 | -18.90 | -18.48 | -18.32 | -17.71 | -17.48 | -17.30 | -17.28 | -16.10 | -15.28 | -15.78 | (-15.19) | 3.48 | 0.57 |
| | XBF-02 | -19.39 | -19.39 | -19.43 | -19.03 | -18.66 | -18.57 | -18.00 | -17.63 | -17.46 | -17.45 | -16.33 | -15.61 | -16.05 | (-15.05) | 3.34 | 0.55 |
| | XBF-03 | -19.30 | -19.42 | -19.36 | -18.93 | -18.57 | -18.36 | -17.92 | -17.55 | -17.41 | -17.40 | -16.29 | -15.56 | -15.97 | (-15.24) | 3.33 | 0.55 |
| | XBF-04 | -19.41 | -19.37 | -19.52 | -19.01 | -18.63 | -18.45 | NA | -17.27 | -17.36 | -17.50 | -16.35 | -15.64 | -16.05 | (-15.12) | 3.36 | 0.55 |
| | XBF-05 | -19.21 | -19.30 | -19.78 | -19.02 | -18.57 | -18.52 | NA | -17.89 | -17.89 | -17.52 | -16.95 | -16.01 | -16.21 | (-15.44) | 3.00 | 0.49 |
| | XBF-06 | -19.24 | -19.29 | -19.98 | -19.32 | -18.82 | -18.78 | -18.36 | -18.15 | -18.10 | -18.16 | -17.16 | -16.46 | -16.47 | (-15.50) | 2.77 | 0.45 |
| | XBF-07 | -19.86 | -19.91 | -20.16 | -19.55 | -19.02 | -18.99 | -18.55 | -18.29 | -18.21 | -18.20 | -17.31 | -16.60 | -16.68 | (-15.32) | 3.18 | 0.52 |
| | XBF-08 | -19.72 | -19.79 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | -0.07 | -0.54 |
| | XBF-09 | -19.28 | -19.41 | -19.46 | -18.93 | -18.55 | -18.18 | -17.87 | -17.53 | -18.55 | -13.04 | -16.02 | -15.22 | -15.76 | (-15.06) | 3.52 | 0.58 |
| | XBF-10 | -21.19 | -21.32 | -21.48 | -20.44 | -19.99 | -20.12 | -19.12* | -19.65 | -19.85 | -19.90 | -19.06 | -18.41 | -18.55 | (-17.57) | 2.64 | 0.43 |
| | XBF-11 | NA | NA | NA | NA | NA | -54.92 | NA | NA | NA | NA | NA | NA | NA | (-18.14) | NA | NA |
| | XBF-12 | -22.36 | -22.50 | -22.62 | -21.63 | -21.20 | -21.34 | -20.28 | -20.84 | -21.09 | -20.94 | -20.47 | -19.65 | NA | (-18.54) | 2.71 | 0.58 |
| | XBF-13 | -20.44 | -20.53 | -20.67 | -19.57 | -19.18 | -19.27 | -18.66 | -18.96 | -19.14 | -19.16 | -18.18 | -17.57 | -17.69 | (-16.62) | 2.75 | 0.45 |
| | XBF-14 | -20.45 | -20.59 | -20.64 | -19.83 | -19.34 | -19.35 | -18.84 | -18.84 | -18.81 | -18.90 | -18.11 | -17.03 | -17.38 | (-16.29) | 3.07 | 0.50 |
| | XBF-15 | -20.82 | -20.93 | -21.01 | -20.27 | -19.76 | -19.72 | -19.25 | -19.16 | -20.55 | -19.18 | -18.40 | -17.41 | -17.64 | (-16.26) | 3.18 | 0.52 |
| | XBF-16 | NA | NA | NA | NA | NA | -56.29 | NA | NA | NA | NA | NA | NA | NA | (-17.84) | NA | NA |
| | XBF-17 | -21.33 | -21.40 | -21.58 | -20.69 | -20.21 | -20.29 | -19.55 | -19.85 | -19.96 | -19.76 | -19.38 | -18.73 | -18.68 | (-18.40) | 2.65 | 0.43 |
| | XBF-18 | -19.20 | -19.43 | -19.69 | NA | NA | NA | -17.84 | -17.54 | -17.37 | -17.29 | -15.70 | -15.61 | NA | NA | 3.59 | 0.77 |
| | XBF-19 | -19.18 | -19.29 | -19.33 | -18.59 | -18.28 | -18.16 | -17.82 | -17.52 | -17.52 | -17.26 | -16.51 | -15.66 | -15.80 | (-15.02) | 3.38 | 0.55 |
| | XBF-20 | NA | NA | NA | NA | NA | -67.03 | NA | NA | NA | NA | NA | NA | NA | (-15.20) | NA | NA |
| | XBF-21 | -20.45 | -20.54 | -20.69 | -19.94 | -19.56 | -19.50 | -19.09 | -18.81 | -18.69 | -18.72 | -18.03 | -17.45 | -17.50 | (-16.29) | 2.95 | 0.48 |

NA = Not available. * = Measurement taken before purging during sample round. All elevations in feet MSL.
Measurments in parentheses "( )" collected by Hargis + Associates.

created by wlev2.prg on 04/13/2004 at 14:00:31

# TABLE 2
## Time-Series Summary of Groundwater Elevations
## Del Amo 2004 Baseline Groundwater Sampling Report

| HSU | Location | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Feb | Change In Level Over Period of Record (ft) | Average Rate of Change in Level (ft/yr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFC | XBF-22 | NA | NA | NA | NA | NA | -55.30 | NA | NA | NA | NA | NA | NA | NA | (-17.76) | NA | NA |
| | XBF-23 | -20.34 | -20.40 | -20.52 | -19.66 | -19.16* | -19.18 | -18.77 | -18.69 | -18.73 | -18.81 | -18.03 | -17.32* | -17.26 | -16.30 | 4.04 | 0.42 |
| | XBF-24 | -21.14 | -21.19 | -21.31 | NA | -19.95 | -20.05 | -19.90 | -19.52 | -19.48 | -19.25 | -18.95 | -18.11 | -18.24 | (-17.37) | 2.90 | 0.48 |
| | XBF-25 | NA | NA | NA | NA | NA | -45.87 | NA | NA | NA | NA | NA | NA | NA | (-19.24) | NA | NA |
| | XBF-26 | NA | NA | NA | NA | NA | -58.26 | NA | NA | NA | NA | NA | NA | NA | (-19.91) | NA | NA |
| | XBF-27 | NA | NA | NA | NA | NA | -46.36 | NA | NA | NA | NA | NA | NA | NA | (-19.13) | NA | NA |
| | XBF-28 | NA | NA | NA | NA | NA | -56.28 | NA | NA | NA | NA | NA | NA | NA | (-19.59) | NA | NA |
| | XBF-29 | -20.54 | -20.58 | -20.77 | -20.06 | -19.76 | -19.62 | -19.22 | -18.88 | -18.76 | -18.67 | -18.15 | NA | NA | (-16.31) | 2.39 | 0.64 |
| | XBF-30 | NA | NA | NA | NA | NA | -45.57 | NA | NA | NA | NA | NA | NA | NA | (-17.50) | NA | NA |
| | XBF-31 | NA | NA | NA | NA | NA | -57.17 | NA | NA | NA | NA | NA | NA | NA | (-16.07) | NA | NA |
| | XBF-32 | NA | NA | NA | NA | NA | -69.71 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | XBF-32A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (-14.26) | NA | NA |
| | XBF-33 | NA | NA | NA | NA | NA | -55.46 | NA | NA | NA | NA | NA | NA | NA | (-15.87) | NA | NA |
| Gage | SWL0020 | -23.05 | -23.62 | -24.21 | -22.40 | -22.52 | -22.76 | -21.93 | -23.37 | -23.22 | -23.07 | -22.46 | -22.07 | NA | -20.32 | 2.73 | 0.28 |
| | SWL0022 | -21.95 | -22.47 | -23.04 | -21.33 | -21.42 | -21.41 | -20.98 | -21.65 | -21.80 | -21.62 | -21.16 | -20.55 | NA | -19.08 | 2.87 | 0.30 |
| | SWL0025 | -23.02 | -23.63 | -24.30 | -22.42 | -22.50 | -22.77 | -21.96 | -23.06 | -23.56 | -23.39 | -22.77 | -22.36 | -21.78 | -20.11 | 2.91 | 0.30 |
| | SWL0026 | -22.74 | -23.17 | -23.63 | -21.98 | -22.08 | -22.18 | -21.37 | -22.12 | -22.42 | -22.20 | -21.70 | -21.12 | -21.14 | -19.51 | 3.23 | 0.33 |
| | SWL0031 | -19.76 | -20.10 | -20.54 | -19.27 | -19.23 | -19.08 | -18.49 | -18.56 | -18.55 | -18.14 | -17.38 | -16.94 | -17.47 | -16.33 | 3.43 | 0.36 |
| | SWL0034 | -21.27 | -21.62 | -22.03 | -20.67 | -20.66 | -20.64 | -20.10 | -20.34 | -20.40 | -20.28 | -19.54 | -19.13 | -19.21 | (-17.95) | 2.06 | 0.34 |
| | SWL0036 | -21.36 | -21.97 | -22.39 | -20.77 | -20.98 | -20.91 | -20.34 | -20.78 | -21.07 | -20.89 | -20.16 | -19.67 | -19.90 | -18.63 | 2.73 | 0.28 |
| | XDA-1B | -22.38 | -22.90 | -23.46 | -21.82 | -21.85 | -21.97 | -20.95 | -22.08 | -22.05 | -21.95 | -21.28 | -20.86 | -20.82 | -24.65 | -2.27 | -0.24 |
| | XG-01 | -18.72 | -19.01 | -19.37 | -19.25 | -19.10 | -18.89 | -18.32 | -18.11 | -15.40 | -17.88 | -16.91 | -16.44 | -17.03 | (-15.87) | 1.69 | 0.28 |
| | XG-02 | -20.10 | -20.41 | -20.75 | -19.65 | -19.57 | -19.41 | -18.86 | -18.76 | -18.77 | -18.67 | -17.67 | -17.15 | -17.67 | (-16.18) | 2.43 | 0.40 |
| | XG-03 | -19.90 | -20.17 | -20.49 | -19.49 | -19.35 | -20.15 | -18.49 | -18.30 | -16.38 | -18.24 | -17.32 | -16.78 | -17.33 | (-16.11) | 2.57 | 0.42 |
| | XG-04 | -20.37 | -20.70 | -21.14 | -19.89 | -19.00 | -19.66 | -19.18 | -19.18 | -19.24 | -18.77 | -18.27 | -17.67 | -18.04 | (-16.72) | 2.33 | 0.38 |
| | XG-05 | -20.48 | -20.81 | -21.19 | -20.01 | -19.90 | -19.79 | -19.28 | -19.29 | -19.36 | -19.15 | -18.42 | -17.95 | -18.16 | (-17.02) | 2.32 | 0.38 |
| | XG-06 | -20.53 | -20.86 | -21.25 | -20.03 | -19.89 | -19.90 | -19.31 | -19.28 | NA | NA | -18.40 | -18.02 | -18.23 | (-16.93) | 2.30 | 0.38 |

NA = Not available. * = Measurement taken before purging during sample round. All elevations in feet MSL.
Measurments in parentheses "( )" collected by Hargis + Associates.

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# TABLE 2
## Time-Series Summary of Groundwater Elevations
## Del Amo 2004 Baseline Groundwater Sampling Report

| HSU | Location | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Feb | Change In Level Over Period of Record (ft) | Average Rate of Change in Level (ft/yr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gage | XG-07 | -20.28 | -20.57 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | -0.29 | -2.25 |
| | XG-08 | -21.11 | -21.48 | -21.89 | -20.60 | -20.57 | -20.54 | -19.98 | -20.12 | -18.71 | -20.09 | -19.48 | -18.81 | -18.99 | (-17.88) | 2.12 | 0.35 |
| | XG-09 | NA | -22.74 | -23.17 | -21.64 | -21.70 | -21.77 | NA | -22.01 | -21.90 | -21.60 | -21.11 | -20.55 | -20.66 | (-19.19) | 2.08 | 0.35 |
| | XG-10 | -19.35 | -19.68 | -20.02 | -19.01 | NA | NA | -18.08 | -17.86 | -17.72 | -17.64 | -16.55 | -16.09 | NA | NA | 3.26 | 0.70 |
| | XG-11 | -21.91 | -22.36 | -22.86 | -21.23 | -21.35 | -21.40 | -20.84 | -21.33 | -21.58 | -21.47 | -20.84 | -20.36 | -20.39 | (-19.04) | 1.52 | 0.25 |
| | XG-12 | -21.62 | -22.03 | -22.49 | -20.99 | -20.97 | -21.06 | -20.43 | -20.75 | -20.94 | -20.93 | -20.18 | -19.57 | NA | (-18.50) | 2.05 | 0.44 |
| | XG-13 | -21.62 | -22.02 | -22.53 | -21.03 | -21.01 | -21.05 | -20.47 | -20.72 | -20.86 | -20.75 | -20.12 | -19.49 | -19.65 | (-18.26) | 1.97 | 0.32 |
| | XG-14 | -20.12 | -20.45 | -20.85 | -19.61 | -19.60 | -19.43 | -18.87 | -18.86 | -18.93 | -18.49 | -17.88 | -17.37 | -19.32 | -16.58 | 3.54 | 0.37 |
| | XG-15 | -20.01 | -20.30 | -20.59 | -19.68 | -22.13 | -19.32 | -18.74 | -18.53 | -21.07 | -18.28 | -17.52 | -17.10 | -17.50 | (-17.88) | 2.51 | 0.41 |
| | XG-16 | -21.23 | -21.59 | -22.00 | -20.74 | -20.70 | -20.65 | -20.12 | -20.17 | -20.19 | -20.13 | -19.50 | -19.88 | -19.05 | (-17.63) | 2.18 | 0.36 |
| | XG-17 | -21.17 | -21.55 | -21.95 | -20.56 | -20.58 | -20.59 | -20.01 | -20.24 | -20.40 | -20.21 | -19.51 | -19.06 | NA | (-17.31) | 2.11 | 0.45 |
| | XG-18 | -22.62 | -23.00 | -23.38 | -24.09 | -21.90 | -22.03 | -21.23 | -21.82 | -22.13 | -21.85 | -21.45 | -20.85 | -20.82 | (-19.50) | 1.80 | 0.30 |
| | XG-19 | -22.33 | -22.74 | -23.07 | -21.67 | -21.63 | -21.73 | -21.09 | -21.45 | -16.84 | -21.40 | -21.06 | -20.54 | -20.40 | (-18.97) | 1.93 | 0.32 |
| | XLG-01 | -20.05 | -20.42 | -20.75 | -19.66 | -19.58 | -19.41 | -18.87 | -18.72 | -21.45 | -18.60 | -17.66 | -17.21 | -17.68 | (-16.45) | 2.37 | 0.39 |
| | XLG-02 | -19.87 | -20.18 | -20.53 | -19.51 | -19.36 | -19.22 | -18.63 | -18.41 | -18.45 | -18.32 | -17.35 | -16.88 | -17.38 | (-16.22) | 2.49 | 0.41 |
| Lynwood | XLW-01 | NA | NA | -33.57 | -28.64 | -30.90 | -31.01 | -30.54 | -32.85 | -34.14 | -33.59 | -33.29 | -33.72 | -32.35 | (-29.59) | 1.22 | 0.21 |
| | XLW-02 | NA | NA | -33.46 | -28.64 | -30.86 | -31.07 | -30.65 | -32.90 | -34.27 | -33.81 | -33.65 | -33.94 | -32.43 | (-29.81) | 1.03 | 0.18 |
| | XLW-03 | NA | NA | -33.33 | -28.40 | -29.66 | -30.70 | -30.29 | -32.63 | -33.92 | -33.31 | -33.00 | -33.45 | -32.16 | (-29.68) | 1.17 | 0.20 |
| | XLW-04 | NA | NA | -33.33 | -28.37 | -30.64 | -30.86 | -30.45 | -32.79 | -34.08 | -33.56 | -33.37 | -33.74 | -32.18 | (-29.63) | 1.15 | 0.20 |
| | XLW-05 | NA | NA | -33.38 | -28.48 | -30.69 | -30.72 | -30.29 | -32.55 | -33.85 | -33.28 | -32.93 | -33.37 | -31.31 | (-29.54) | 2.07 | 0.36 |
| | XLW-06 | NA | NA | -33.34 | -28.42 | -30.64 | -30.71 | -30.31 | -30.33 | -33.85 | -33.37 | -33.03 | -33.47 | -32.14 | (-29.49) | 1.20 | 0.21 |
| | XLW-07 | NA | NA | -33.36 | -28.42 | -30.66 | -30.74 | -30.33 | -32.64 | -33.92 | -33.39 | -33.05 | -33.48 | -32.12 | (-29.54) | 1.24 | 0.22 |

NA = Not available. * = Measurement taken before purging during sample round. All elevations in feet MSL.
Measurments in parentheses "( )" collected by Hargis + Associates.

created by wlev2.prg on 04/13/2004 at 14:00:32

# Table 3
# Time-Series Summary of Detected Groundwater Analytes
# Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Table | PZL0001 | VOCs | Acetone | 8240/60 | ug/l | < 10 | < 10 | < 10 | < 10 | < 10 | < 13 | < 10 | < 10 | < 10 | < 10 | < 10 | < 2.0 | < 10 | 38 |
| | | | Benzene | 8240/60 | ug/l | 68 | 11 | 4.0 | 6.3 | < 0.5 | 63 | 1.1 | 6.6 | 22 | < 0.5 | 0.79 | 0.64 | 1.1 | 2.6 |
| | | | Chloroform | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 0.62 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| | | | Chloromethane | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 7.3 | < 1 | < 2.0 | < 1.0 | < 2.0 | < 10 |
| | | | Cyclohexane | 8240/60 | ug/l | < 10 | < 10 | < 10 | < 10 | < 10 | 15 | < 10 | < 10 | < 10 | < 10 | < 10 | < 2.0 | NA | NA |
| | | | Dichlorobromomethane | 8240/60 | ug/l | < 0.5 | 1.2 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 0.39 | < 1.0 | < 1.0 | < 1.0 |
| | | | Ethylbenzene | 8240/60 | ug/l | 3.2 | < 1 | < 1 | < 1 | < 1 | 6.4 | < 1 | < 1 | 1.4 | < 1 | < 1.0 | < 1.0 | < 1.0 | 2.4 |
| | | | Freon 113 | 8240/60 | ug/l | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 1.0 | 0.37 | < 1.0 | NA |
| | | | Freon 12 | 8240/60 | ug/l | 19 | 7.6 | 9.1 | 15 | < 5 | 16 | 9.0 | 7.7 | 17 | 5.1 | 7.4 | 7.9 | 6.9 | 8.3 |
| | | | Methyl tert-butyl ether | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.72 |
| | | | Toluene | 8240/60 | ug/l | 1.5 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| | | | Trichloroethene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1.0 | < 1.0 | < 1.0 | 0.76 |
| | PZL0002 | VOCs | Chloroform | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 0.78 | 0.50 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | 1.2 | 1.1 | 1.0 | < 1 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 0.90 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | 2.0 | 1.9 | 1.5 | 1.0 | 1.3 | < 1 | 1.0 | NA | NA | NA | NA | NA | NA | NA |
| | | | Freon 113 | 8240/60 | ug/l | < 2 | < 2 | 2.3 | < 2 | < 2 | < 2 | < 2 | NA | NA | NA | NA | NA | NA | NA |
| | | | Methylene chloride | 8240/60 | ug/l | 2.3 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA |
| | | | Tetrachloroethene | 8240/60 | ug/l | < 1 | 1.7 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA |
| | | | Trichloroethene | 8240/60 | ug/l | 6.3 | 4.9 | 6.3 | 3.6 | 3.9 | 3.8 | 2.7 | NA | NA | NA | NA | NA | NA | NA |
| | PZL0003 | VOCs | Benzene | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 6.0 | < 0.5 | NA | NA | < 0.5 | < 1.0 | < 1.0 | < 1.0 | < 0.50 |
| | | | Chloroform | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 0.42 | 0.75 | < 1.0 | 1.1 |
| | | | Methyl Ethyl Ketone | 8240/60 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | 5.0 | < 5 | NA | NA | < 5 | < 10 | < 2.0 | 22 | < 10 |
| | | | 1,1,2,2-Tetrachloroethane | 8240/60 | ug/l | < 0.5 | < 0.5 | 0.59 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| | | | Tetrachloroethene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.37 | 0.68 | 0.81 | 1.2 |
| | | | 1,2,4-Trichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 1.0 | < 1.0 | NA | 0.33 |
| | | | Trichloroethene | 8240/60 | ug/l | < 1 | 1.6 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.58 | 1.1 | 1.7 | 2.3 |
| | PZL0004 | VOCs | Benzene | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 1.0 | < 1.0 | < 1.0 | 0.97 |
| | | | Chloroform | 8240/60 | ug/l | 0.74 | 0.59 | 0.90 | < 0.5 | 0.68 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 0.77 | 0.68 | 0.63 | 0.81 |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 0.45 | 0.82 | 0.58 | < 1.0 |
| | | | Tetrachloroethene | 8240/60 | ug/l | 4.0 | 3.5 | 3.7 | 3.5 | 3.5 | 3.7 | 3.2 | NA | NA | 2.8 | 2.5 | 3.0 | 2.4 | < 1.4 |
| | PZL0005 | VOCs | All Analytes | | | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA |
| | PZL0006 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 900 | 420 | 97 | 23 | 61 | 16 | 5.9 | 7.6 | 6.9 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 20 | < 30 | < 5 | < 10 | < 10 | NA | NA | 1.7 | 1.5 |
| | | | Cyclohexane | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 200 | < 300 | 24 | < 100 | < 100 | 29 | < 20 | NA | NA |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 5 | NA | NA | NA | NA | NA | NA | NA |

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory reporting limit. Concentrations in parentheses '()' generated by Hargis + Associates

# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Table | PZL0006 | VOCs | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | < 3 | < 5 | < 5 | < 5.0 | < 10 | 1.1 | < 2.0 |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 20 | < 30 | < 5 | < 10 | < 10 | 7.0 | 8.6 | 11 | 8.6 |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 2300 | 3200 | 950 | 1500 | 1500 | 230 | 250 | 340 | 260 |
| | | | Naphthalene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 72 | 49 | 26 | < 18 | 17 | 2.8 | 3.7 | 2.7 | 3.7 |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | 48 | 41 | NA | NA | NA | NA | NA | NA | NA |
| | | | Tetrachloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 31 | 23 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 20 | < 30 | 16 | 21 | 18 | 8.6 | 5.8 | 4.8 | 4.8 |
| | | | Toluene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 33 | 30 | < 5 | < 10 | < 10 | 1.7 | < 10 | < 5.0 | < 2.0 |
| | | | Trichloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 23 | 19 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 20 | < 30 | 13 | < 10 | < 10 | 4.6 | < 10 | 3.9 | 3.6 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 20 | < 30 | < 5 | < 10 | < 10 | < 5.0 | < 10 | < 5.0 | 3.2 |
| | PZL0007 | VOCs | All Analytes | | | ND | ND | ND | ND | ND | ND | ND | NA | NA | ND | ND | ND | ND | ND |
| | PZL0008 | VOCs | All Analytes | | | NA | NA | NA | NA | NA | ND | ND | NA | NA | NA | NA | NA | NA | NA |
| | PZL0009 | VOCs | Acetone | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 100 | < 300 | < 100 | < 500 | < 100 | < 250 | < 200 | < 100 | 4.7 |
| | | | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 940 | 980 | 1000 | 9000 | 1200 | 550 | 680 | 290 | 170 |
| | | | n-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.8 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 30 | < 10 | < 50 | < 10 | NA | NA | 13 | 12 |
| | | | Chloroform | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 2 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 5 | < 20 | < 5 | < 30 | < 5 | < 25 | < 100 | < 10 | 1.3 |
| | | | Chloromethane | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 2 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 30 | < 10 | 81 | < 10 | < 50 | < 100 | < 20 | < 10 |
| | | | Cyclohexane | 8240/60 | ug/l | NA | NA | NA | NA | NA | 1800 | 2100 | 1900 | 5400 | 2400 | 1100 | 2000 | NA | NA |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 2 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 5 | < 20 | < 5 | < 30 | < 5 | < 25 | < 100 | < 10 | 8.5 |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 270 | 720 | 680 | 2600 | 590 | 420 | 740 | 360 | 58 |
| | | | Isopropylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 30 | 15 | < 50 | 19 | 24 | < 100 | 22 | 17 |
| | | | Naphthalene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | 44 | < 10 | < 50 | < 10 | < 25 | < 100 | < 10 | < 10 |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | n-Propylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 30 | < 10 | < 50 | < 10 | < 25 | < 100 | < 10 | 0.47 |
| | | | Toluene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 120 | 100 | 93 | 360 | 100 | 70 | 79 | 32 | 22 |
| | | | Trichloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 2 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 30 | < 10 | < 50 | < 10 | < 25 | < 100 | < 10 | 0.72 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 30 | < 10 | < 50 | < 10 | < 25 | < 100 | < 10 | 0.39 |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 30 | < 10 | < 50 | < 10 | < 25 | < 100 | < 10 | 0.39 |
| | | | Vinyl chloride | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 2 | NA | NA | NA | NA | NA | NA | NA |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Table | PZL0009 | VOCs | Vinyl chloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 5 | < 20 | < 5 | < 30 | < 5 | < 50 | < 100 | < 20 | 0.55 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 30 | < 10 | < 50 | 32 | 33 | < 100 | 30 | 23 |
| | PZL0010 | VOCs | Acetone | 8240/60 | ug/l | < 10 | < 10 | < 10 | 14 | < 10 | < 10 | 14 | NA | NA | < 10 | < 10 | < 2.0 | < 10 | 4.6 |
| | | | Benzene | 8240/60 | ug/l | 0.55 | 0.75 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 0.22 | < 1.0 | 0.52 | < 0.50 |
| | | | Chloroethane | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 4.1 | NA | NA | < 1 | < 2.0 | < 1.0 | < 2.0 | < 1.0 |
| | | | Chloroform | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 1.0 | 2.2 | 0.85 | 0.75 |
| | | | Methyl Ethyl Ketone | 8240/60 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | 7.0 | NA | NA | < 5 | < 10 | < 2.0 | < 5.0 | < 10 |
| | | | Tetrachloroethene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.20 | < 1.0 | < 1.0 | 0.28 |
| | | | 1,2,3-Trichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.42 |
| | PZL0011 | VOCs | Benzene | 8240/60 | ug/l | 110000 | 110000 | 140000 | 65000 | 120000 | 91000 | 86000 | NA | NA | 77000 | 43000 | 38000 | 40000 | 36000 |
| | | | Chlorobenzene | 8010/21 | ug/l | < 50 | < 300 | < 100 | < 50 | < 50 | < 50 | < 100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 500 | NA | NA | < 1000 | 240 | < 2500 | < 1000 | < 50 |
| | | | Cyclohexane | 8240/60 | ug/l | < 10000 | < 10000 | < 10000 | < 10000 | < 10000 | < 10000 | < 5000 | NA | NA | < 10000 | 2200 | < 5000 | NA | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | 2000 | 2200 | 2800 | 1900 | 4200 | < 1000 | 2000 | NA | NA | 2200 | 1400 | 1900 | 1400 | 1300 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 500 | NA | NA | < 1000 | < 1000 | < 2500 | < 1000 | 11 |
| | | | Methyl tert-butyl ether | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 56 |
| | | | Naphthalene | 8240/60 | ug/l | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 500 | NA | NA | < 1000 | < 1000 | < 2500 | < 1000 | 65 |
| | | | | 8270 | ug/l | 130 | 70 | 140 | 96 | < 300 | 190 | 150 | NA | NA | NA | NA | NA | NA | NA |
| | | | Styrene | 8240/60 | ug/l | 8900 | 11000 | 14000 | 7600 | 15000 | < 9700 | 9600 | NA | NA | 8200 | 5500 | 5500 | 4500 | 5500 |
| | | | Toluene | 8240/60 | ug/l | 37000 | 40000 | 57000 | 28000 | 59000 | 44000 | 31000 | NA | NA | 32000 | 21000 | 22000 | 20000 | 22000 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 500 | NA | NA | < 1000 | < 1000 | < 2500 | < 1000 | 18 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | 4600 | 7500 | 10000 | 6600 | 13000 | 3600 | 6200 | NA | NA | 7700 | 4700 | 5300 | 4100 | 2900 |
| | PZL0012 | VOCs | Acetone | 8240/60 | ug/l | < 10 | < 10 | < 10 | 31 | 28 | < 16 | < 10 | NA | NA | < 10 | NA | NA | NA | < 10 |
| | | | Benzene | 8240/60 | ug/l | 5.3 | < 0.5 | < 0.5 | 24 | 1.2 | 2.7 | 4.6 | NA | NA | 21 | NA | NA | NA | < 0.50 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | 4.0 | < 1 | 4.3 | 4.7 | < 1 | 4.9 | 4.7 | NA | NA | 4.2 | NA | NA | NA | 0.25 |
| | | | Chloroform | 8010/21 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 0.53 | < 0.5 | < 0.5 | NA | NA | < 0.5 | NA | NA | NA | < 1.0 |
| | | | Cyclohexane | 8240/60 | ug/l | 26 | < 10 | 8.8 | < 10 | 19 | 32 | 52 | NA | NA | 13 | NA | NA | NA | NA |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 2.2 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | NA | NA | NA | < 1.0 |
| | | | 2-Hexanone | 8240/60 | ug/l | 83 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | < 5 | NA | NA | NA | < 10 |
| | | | Methyl tert-butyl ether | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.39 |
| | | | Trichloroethene | 8010/21 | ug/l | 0.59 | < 0.5 | < 0.5 | < 0.5 | 3.4 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | NA | NA | NA | < 1.0 |
| | PZL0013 | VOCs | Benzene | 8240/60 | ug/l | 560000 | 450000 | 590000 | 650000 | 570000 | 590000 | 520000 | NA | NA | 470000 | 400000 | 460000 | 300000 | NA |
| | | | Chlorobenzene | 8010/21 | ug/l | < 50 | < 5000 | < 500 | < 300 | < 200 | < 50 | < 300 | NA | NA | NA | NA | NA | NA | NA |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | PZL0013 | VOCs | Chlorobenzene | 8240/60 | ug/l | < 5000 | < 10000 | < 5000 | < 5000 | < 5000 | < 5000 | 3400 | NA | NA | < 5000 | < 5000 | < 25000 | < 5000 | NA |
| | | | Chloroform | 8010/21 | ug/l | 200 | < 5000 | < 500 | < 300 | < 200 | < 50 | < 300 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 3000 | < 5000 | < 3000 | < 3000 | < 3000 | < 3000 | < 2000 | NA | NA | < 3000 | < 5000 | < 25000 | < 5000 | NA |
| | PZL0014 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 0.60 | 1.0 | < 0.5 | < 0.5 | < 0.5 | < 1.0 | < 1.0 | < 1.0 | < 0.50 |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 1.0 | 9.0 | 0.60 | < 1.0 |
| | | | Chloromethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | 2.0 | < 1 | < 1 | < 1 | < 2.0 | < 1.0 | < 2.0 | < 10 |
| | | | Dichlorobromomethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 1.0 | 2.6 | < 1.0 | < 1.0 |
| | | | Methyl tert-butyl ether | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 30 |
| | PZL0016 | VOCs | Benzene | 8240/60 | ug/l | < 100 | 83 | < 100 | 67 | 1200 | < 30 | < 50 | NA | NA | < 50 | 7.6 | < 100 | < 50 | < 5.0 |
| | | | Chlorobenzene | 8010/21 | ug/l | < 300 | < 100 | < 50 | < 50 | < 50 | < 30 | < 50 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 100 | < 200 | < 100 | < 100 | 69 | < 100 | NA | NA | < 100 | < 50 | < 100 | < 50 | < 10 |
| | | | Chloroform | 8010/21 | ug/l | < 300 | 150 | 160 | 82 | 200 | 120 | 150 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 100 | 86 | < 100 | 64 | 95 | 73 | 72 | NA | NA | < 50 | 47 | < 100 | 27 | 21 |
| | | | 1,1-Dichloroethane | 8010/21 | ug/l | < 300 | < 100 | < 50 | < 50 | < 50 | < 30 | < 50 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 100 | < 200 | < 100 | < 100 | < 50 | < 100 | NA | NA | < 100 | < 50 | < 100 | < 50 | 12 |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 300 | < 100 | < 50 | < 50 | < 50 | < 30 | < 50 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 100 | < 50 | < 100 | < 50 | < 50 | < 30 | < 50 | NA | NA | < 50 | 17 | < 100 | < 50 | 4.9 |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | 2700 | 1400 | 2000 | 2800 | 2300 | 2500 | 2600 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 2000 | < 100 | 1700 | 1800 | < 100 | 2000 | 2300 | NA | NA | 1500 | 2500 | 1600 | 2400 | 2500 |
| | | | trans-1,2-Dichloroethene | 8010/21 | ug/l | < 300 | < 100 | < 50 | < 50 | < 50 | < 30 | < 50 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 100 | < 200 | < 100 | < 100 | 110 | < 100 | NA | NA | < 100 | < 25 | < 100 | 15 | < 10 |
| | | | Tetrachloroethene | 8010/21 | ug/l | 8600 | 6500 | 6400 | 7400 | 5800 | 6300 | 7000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 5900 | 5900 | 7200 | 5600 | 7500 | 5600 | 6100 | NA | NA | 5900 | 2900 | 1900 | 2100 | 1400 |
| | | | 1,1,2-Trichloroethane | 8010/21 | ug/l | < 300 | < 100 | < 50 | < 50 | < 50 | < 30 | < 50 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 100 | < 50 | < 100 | < 50 | < 50 | < 30 | < 50 | NA | NA | < 50 | 51 | < 100 | < 50 | < 10 |
| | | | 1,2,3-Trichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 4.1 |
| | | | 1,2,4-Trichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 50 | < 100 | NA | 4.6 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Trichloroethene | 8010/21 | ug/l | 19000 | 14000 | 13000 | 15000 | 9700 | 7800 | 9900 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 14000 | 13000 | 11000 | 11000 | 13000 | 9400 | 9300 | NA | NA | 7500 | 3700 | 1800 | 2000 | 1400 |
| | PZL0018 | VOCs | Benzene | 8240/60 | ug/l | 0.51 | 0.64 | 0.75 | < 0.5 | < 0.5 | < 0.5 | 0.68 | NA | NA | < 0.5 | 0.27 | 0.53 | 1.4 | NA |
| | | | sec-Butylbenzene | 8240/60 | ug/l | 1.4 | 1.3 | 1.7 | < 1 | < 1 | < 1 | 1.7 | NA | NA | < 1 | NA | NA | 2.6 | NA |
| | | | Chlorobenzene | 8010/21 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.18 | < 1.0 | < 1.0 | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 1.0 | 0.34 | NA |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.20 | 0.60 | 1.1 | NA |

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| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Table | PZL0018 | VOCs | tert-Butylbenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 1.0 | 0.31 | NA |
| | | | Tetrachloroethene | 8010/21 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.79 | 0.79 | 1.4 | NA |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | 2.9 | < 1.0 | NA |
| | PZL0019 | VOCs | Benzene | 8240/60 | ug/l | 410000 | 380000 | 450000 | 640000 | 380000 | 370000 | 300000 | NA | NA | 330000 | 180000 | 490000 | 330000 | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | 8600 | < 10000 | 14000 | 16000 | 11000 | 6000 | < 5000 | NA | NA | 10000 | 4600 | 9600 | 11000 | NA |
| | | | Naphthalene | 8240/60 | ug/l | < 5000 | < 10000 | < 5000 | < 5000 | < 5000 | < 5000 | < 5000 | NA | NA | < 500 | < 5000 | < 25000 | < 5000 | NA |
| | | | | 8270 | ug/l | 9.9 | < 30 | < 30 | < 30 | 16 | 36 | < 30 | NA | NA | 200 | 30 | 32 | 120 | NA |
| | | | Toluene | 8240/60 | ug/l | < 5000 | < 10000 | < 5000 | < 5000 | < 5000 | < 5000 | < 5000 | NA | NA | 700 | < 5000 | < 25000 | 3600 | NA |
| | PZL0020 | VOCs | Benzene | 8240/60 | ug/l | 610000 | 590000 | 520000 | 270000 | 350000 | 400000 | 580000 | 470000 | 570000 | 540000 | 480000 | 480000 | 410000 | 510000 |
| | | | Ethylbenzene | 8240/60 | ug/l | 21000 | 19000 | 20000 | 19000 | 15000 | 5300 | 19000 | 15000 | 8100 | 18000 | 15000 | 12000 | 10000 | 16000 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 5000 | < 10000 | < 5000 | < 2000 | < 5000 | < 2000 | < 5000 | < 10000 | < 5000 | < 500 | < 10000 | < 25000 | < 5000 | 200 |
| | | | Naphthalene | 8240/60 | ug/l | < 5000 | < 10000 | < 5000 | < 2000 | < 5000 | < 2000 | < 5000 | < 10000 | < 5000 | < 500 | < 10000 | < 25000 | < 5000 | < 5000 |
| | | | | 8270 | ug/l | 75 | 82 | 78 | 59 | 120 | 99 | 96 | 180 | 170 | < 200 | 170 | 90 | 44 | NA |
| | | | Toluene | 8240/60 | ug/l | < 5000 | < 10000 | < 5000 | < 2000 | < 5000 | 4600 | 7400 | < 10000 | 6600 | 6300 | 3900 | 6400 | < 5000 | 2700 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | < 5000 | < 10000 | < 5000 | < 2000 | < 5000 | < 2000 | < 5000 | < 10000 | < 5000 | < 500 | < 10000 | < 25000 | < 5000 | 740 |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | < 5000 | < 10000 | < 5000 | < 2000 | < 5000 | < 2000 | < 5000 | < 10000 | < 5000 | < 500 | < 10000 | < 25000 | < 5000 | 140 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 5000 | 23000 | < 5000 | < 2000 | < 5000 | < 2000 | < 5000 | < 10000 | < 5000 | 3100 | < 10000 | < 25000 | < 5000 | 3000 |
| | | Biodeg | Fe++ | SM3500 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 7100 |
| | | | Methane | RSK175 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 2 | < 2 | < 2 | 1.8 | 3.2 | 1.7 | 4.70 |
| | | | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | 1500 | 2500 | NA | NA | < 100 | < 500 | < 100 | < 200 |
| | | | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | 48000 | 45000 | 41000 | 41000 | 35000 | 55200 | 34100 | 190000 | 9400 |
| | | Bacteria | HC Oxidizing Pop | SM9221C | mpn/ml | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 3.0 |
| | | | Ttl HT Plt Cnt | SM9215C | cfu/ml | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 730 |
| | PZL0021 | VOCs | Benzene | 8240/60 | ug/l | 11000 | 29000 | 35000 | 23000 | 17800 | 23000 | 28000 | NA | NA | 96000 | 110000 | 97000 | 99000 | 200000 |
| | | | Carbon disulfide | 8240/60 | ug/l | NA | < 1000 | < 400 | < 400 | < 400 | < 500 | < 500 | NA | NA | < 1000 | < 12000 | < 10000 | < 1000 | 380 |
| | | | Chlorobenzene | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | < 30 | 11 | < 30 | NA | NA | < 30 | 12 | < 500 | < 5000 | NA |
| | | | | 8240/60 | ug/l | < 100 | < 500 | < 200 | < 200 | < 200 | < 300 | < 300 | NA | NA | < 500 | < 1200 | < 5000 | < 1000 | < 500 |
| | | | 1,1-Dichloroethane | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | < 30 | < 5 | < 30 | NA | NA | < 30 | 0.16 | < 500 | < 5000 | NA |
| | | | | 8240/60 | ug/l | < 100 | < 500 | < 200 | < 200 | < 200 | < 300 | < 300 | NA | NA | < 500 | < 1200 | < 5000 | < 1000 | < 500 |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | < 30 | < 5 | < 30 | NA | NA | < 30 | 0.26 | < 500 | < 5000 | NA |
| | | | | 8240/60 | ug/l | < 50 | < 300 | < 100 | < 100 | < 100 | < 200 | < 200 | NA | NA | < 300 | < 1200 | < 5000 | < 1000 | < 500 |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | 70 | 44 | < 30 | NA | NA | 40 | < 1.0 | < 500 | < 5000 | NA |
| | | | | 8240/60 | ug/l | < 50 | < 300 | < 100 | < 100 | < 100 | < 200 | < 200 | NA | NA | < 300 | < 1200 | < 5000 | < 1000 | < 250 |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | < 30 | < 5 | < 30 | NA | NA | < 30 | 3.8 | < 500 | NA | NA |
| | | | | 8240/60 | ug/l | < 100 | < 500 | < 200 | < 200 | < 200 | < 300 | < 300 | NA | NA | < 500 | < 620 | < 5000 | < 1000 | < 500 |

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory reporting limit. Concentrations in parentheses '()' generated by Hargis + Associates

# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | PZL0021 | VOCs | trans-1,2-Dichloroethene | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | < 30 | < 5 | < 30 | NA | NA | < 30 | 0.54 | < 500 | < 5000 | NA |
| | | | | 8240/60 | ug/l | < 100 | < 500 | < 200 | < 200 | < 200 | < 300 | < 300 | NA | NA | < 500 | < 620 | < 5000 | < 1000 | < 500 |
| | | | Freon 11 | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | < 30 | < 5 | < 30 | NA | NA | < 30 | 0.15 | < 500 | < 5000 | NA |
| | | | | 8240/60 | ug/l | < 100 | < 500 | < 200 | < 200 | < 200 | < 300 | < 300 | NA | NA | < 500 | < 2500 | < 5000 | < 2000 | < 5000 |
| | | | Methylene chloride | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | < 100 | < 20 | < 100 | NA | NA | < 100 | < 5.0 | < 2500 | < 25000 | NA |
| | | | | 8240/60 | ug/l | < 100 | < 500 | < 200 | 740 | < 200 | 280 | < 300 | NA | NA | < 500 | < 6200 | < 5000 | < 1000 | < 5000 |
| | | | Toluene | 8240/60 | ug/l | 310 | 530 | 860 | 260 | 250 | < 300 | < 300 | NA | NA | 540 | 730 | < 5000 | 500 | 1400 |
| | | | Trichloroethene | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | 38 | 31 | 31 | NA | NA | 39 | 16 | < 500 | < 5000 | NA |
| | | | | 8240/60 | ug/l | < 100 | < 500 | < 200 | < 200 | < 200 | < 300 | < 300 | NA | NA | < 500 | < 1200 | < 5000 | < 1000 | < 500 |
| | PZL0022 | VOCs | Benzene | 8240/60 | ug/l | < 0.5 | < 0.5 | 1.0 | < 0.5 | < 0.5 | 1.3 | < 0.5 | NA | NA | NA | NA | NA | NA | 2.4 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | 2.4 | 1.9 | 2.6 | 1.8 | 2.3 | 4.3 | 2.7 | NA | NA | NA | NA | NA | NA | 0.40 |
| | | | Toluene | 8240/60 | ug/l | < 0.5 | < 0.5 | 0.86 | 2.0 | 1.6 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | < 1.0 |
| | PZL0023 | VOCs | Benzene | 8240/60 | ug/l | 190000 | 200000 | < 5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | sec-Butylbenzene | 8240/60 | ug/l | < 1000 | < 3000 | 32 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | < 1000 | < 3000 | 680 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 1000 | < 3000 | 52 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Naphthalene | 8240/60 | ug/l | < 1000 | < 3000 | 1400 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8270 | ug/l | 680 | 880 | 830 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | n-Propylbenzene | 8240/60 | ug/l | < 1000 | < 3000 | 12 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Toluene | 8240/60 | ug/l | < 1000 | < 3000 | 35 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | PZL0024 | VOCs | Benzene | 8240/60 | ug/l | 75000 | 84000 | 51000 | 140000 | 120000 | 96000 | 100000 | NA | NA | 120000 | 73000 | 40000 | 42000 | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | 1800 | 1400 | 1300 | 3500 | 3800 | 12000 | 2700 | NA | NA | 3300 | 1700 | < 2500 | 620 | NA |
| | | | Naphthalene | 8240/60 | ug/l | < 500 | < 1000 | < 500 | < 1000 | < 2000 | < 1000 | < 1000 | NA | NA | < 500 | < 1000 | < 2500 | < 1000 | NA |
| | | | | 8270 | ug/l | 280 | 450 | 450 | 210 | 330 | 440 | 400 | NA | NA | 150 | 23 | 9.6 | 11 | NA |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | 970 | 1200 | 790 | < 1000 | < 2000 | < 1000 | < 1000 | NA | NA | < 500 | < 1000 | < 2500 | < 1000 | NA |
| | PZL0025 | VOCs | Acetone | 8240/60 | ug/l | NA | < 200 | < 200 | < 200 | < 200 | 2000 | < 1000 | < 1000 | < 500 | < 2000 | < 100 | < 2.0 | < 10 | < 10 |
| | | | Benzene | 8240/60 | ug/l | 1200 | 1400 | 2600 | 2200 | 1900 | 12000 | 9600 | 12000 | 7300 | 28000 | 330 | 12 | < 1.0 | 1.5 |
| | | | Chlorobenzene | 8010/21 | ug/l | < 10 | < 0.5 | < 0.5 | < 3 | < 3 | < 0.5 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 10 | < 20 | < 20 | < 20 | < 20 | < 100 | < 100 | < 100 | < 50 | < 200 | < 10 | 0.17 | < 1.0 | < 1.0 |
| | | | Ethylbenzene | 8240/60 | ug/l | 16 | < 20 | < 20 | < 20 | < 20 | < 100 | < 100 | < 100 | < 50 | < 200 | 1.0 | 0.42 | < 1.0 | < 1.0 |
| | | | tert-Butylbenzene | 8240/60 | ug/l | < 10 | < 20 | < 20 | < 20 | < 20 | < 100 | < 100 | < 100 | < 50 | < 200 | 4.7 | 3.5 | < 1.0 | 0.23 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 10 | 51 | < 20 | < 20 | < 20 | < 100 | < 100 | < 100 | < 50 | < 200 | < 10 | < 1.0 | < 1.0 | < 1.0 |
| | PZL0026 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | 4100 | 670 | 3500 | 3300 | 2700 | NA | NA | 3900 | 2400 | 1100 | 620 | 2000 |
| | | | Carbon disulfide | 8240/60 | ug/l | NA | NA | < 100 | < 20 | < 50 | < 40 | < 40 | NA | NA | < 50 | < 500 | < 100 | < 10 | 6.3 |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | < 50 | < 10 | 27 | < 20 | 32 | NA | NA | 190 | 25 | < 50 | 3.4 | 18 |
| | | | Methyl Ethyl Ketone | 8240/60 | ug/l | NA | NA | < 300 | < 50 | < 200 | < 100 | < 100 | NA | NA | < 200 | < 500 | < 100 | 490 | 76 |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | PZL0026 | VOCs | Methyl tert-butyl ether | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 6.9 |
| | | | Styrene | 8240/60 | ug/l | NA | NA | < 50 | < 10 | < 30 | < 20 | 29 | NA | NA | 32 | 28 | < 50 | < 10 | 19 |
| | | | Toluene | 8240/60 | ug/l | NA | NA | 110 | 17 | 85 | 88 | 63 | NA | NA | 79 | 76 | 45 | 18 | 59 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | < 50 | < 10 | < 30 | < 20 | 38 | NA | NA | < 30 | 25 | < 50 | 13 | 13 |
| | SWL0002 | VOCs | Benzene | 8240/60 | ug/l | 170000 | 250000 | 180000 | 270000 | 240000 | 310000 | 290000 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 30 | < 50 | < 500 | < 100 | 33 | 7.5 | < 200 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 500 | < 5000 | < 5000 | < 1000 | < 1000 | < 20000 | < 1000 | NA | NA | NA | NA | NA | NA | NA |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | < 30 | < 50 | < 500 | < 100 | 45 | 43 | < 200 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 10000 | < 10000 | < 2000 | < 2000 | < 30000 | < 2000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Tetrachloroethene | 8010/21 | ug/l | < 30 | < 50 | < 500 | < 100 | 240 | 95 | < 200 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 10000 | < 10000 | < 2000 | < 2000 | < 30000 | < 2000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Trichloroethene | 8010/21 | ug/l | < 30 | 230 | < 500 | 230 | 680 | 220 | 400 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 10000 | < 10000 | < 2000 | < 2000 | < 30000 | < 2000 | NA | NA | NA | NA | NA | NA | NA |
| | SWL0003 | VOCs | Benzene | 8240/60 | ug/l | 570000 | 470000 | 340000 | 430000 | 350000 | 330000 | 340000 | NA | NA | NA | NA | NA | NA | 150000 |
| | | | 1,1-Dichloroethane | 8010/21 | ug/l | < 30 | < 50 | < 500 | < 100 | < 200 | < 5 | < 300 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5000 | < 10000 | < 10000 | < 5000 | < 5000 | < 3000 | < 2000 | NA | NA | NA | NA | NA | NA | 32 |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 30 | < 50 | < 500 | < 100 | < 200 | 11 | < 300 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 3000 | < 5000 | < 5000 | < 3000 | < 3000 | < 2000 | < 1000 | NA | NA | NA | NA | NA | NA | 89 |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | 29 | < 50 | < 500 | < 100 | < 200 | < 5 | < 300 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5000 | < 10000 | < 10000 | < 5000 | < 5000 | < 3000 | < 2000 | NA | NA | NA | NA | NA | NA | 68 |
| | | | trans-1,2-Dichloroethene | 8010/21 | ug/l | < 30 | < 50 | < 500 | < 100 | < 200 | < 5 | < 300 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5000 | < 10000 | < 10000 | < 5000 | < 5000 | < 3000 | < 2000 | NA | NA | NA | NA | NA | NA | 36 |
| | | | Styrene | 8240/60 | ug/l | < 5000 | < 10000 | < 10000 | < 5000 | < 5000 | < 3000 | < 2000 | NA | NA | NA | NA | NA | NA | 29 |
| | | | Tetrachloroethene | 8010/21 | ug/l | 140 | < 50 | < 500 | < 100 | < 200 | 13 | < 300 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5000 | < 10000 | < 10000 | < 5000 | < 5000 | < 3000 | < 2000 | NA | NA | NA | NA | NA | NA | 940 |
| | | | Toluene | 8240/60 | ug/l | < 5000 | < 10000 | < 10000 | < 5000 | < 5000 | < 3000 | < 2000 | NA | NA | NA | NA | NA | NA | 18 |
| | | | Trichloroethene | 8010/21 | ug/l | 660 | < 50 | < 500 | < 100 | < 200 | 7.3 | < 300 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5000 | < 10000 | < 10000 | < 5000 | < 5000 | < 3000 | < 2000 | NA | NA | NA | NA | NA | NA | 3900 |
| | SWL0004 | VOCs | Benzene | 8240/60 | ug/l | 1500000 | 1400000 | 900000 | 2200000 | 1400000 | 1200000 | 1700000 | 920000 | NA | 870000 | 870000 | 950000 | 820000 | 610000 |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 30 | < 500 | < 500 | < 100 | < 200 | < 30 | < 300 | < 300 | NA | < 500 | 0.97 | < 500 | < 10000 | NA |
| | | | | 8240/60 | ug/l | < 5000 | < 10000 | < 3000 | < 10000 | < 10000 | < 5000 | < 5000 | < 5000 | NA | < 3000 | < 12000 | < 25000 | < 12000 | < 5.0 |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | < 30 | < 500 | < 500 | < 100 | < 200 | < 30 | < 300 | < 300 | NA | < 500 | 6.4 | < 500 | NA | NA |
| | | | | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 6200 | < 25000 | < 12000 | 7.4 |
| | | | Ethylbenzene | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 1200 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 23 |
| | | | Naphthalene | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 20 |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | SWL0004 | VOCs | n-Propylbenzene | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 5.9 |
| | | | Styrene | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 780 |
| | | | Tetrachloroethene | 8010/21 | ug/l | 160 | < 500 | < 500 | < 100 | < 200 | < 30 | < 300 | < 300 | NA | < 500 | 12 | < 500 | < 10000 | NA |
| | | | | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 55 |
| | | | Toluene | 8240/60 | ug/l | < 10000 | < 20000 | 7200 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | 5600 | < 12000 | < 25000 | < 12000 | 1300 |
| | | | Trichloroethene | 8010/21 | ug/l | 870 | < 500 | < 500 | < 100 | < 200 | < 30 | < 300 | < 300 | NA | < 500 | < 2.5 | < 500 | < 10000 | NA |
| | | | | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 37 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 28 |
| | SWL0005 | VOCs | Benzene | 8240/60 | ug/l | 2.2 | 33 | 1.8 | 1.3 | < 0.5 | 2.0 | 0.81 | NA | NA | < 0.5 | 0.67 | 0.42 | < 1.0 | < 0.50 |
| | | | Chloroform | 8240/60 | ug/l | < 0.5 | < 5 | < 0.5 | 0.51 | 0.54 | 0.51 | 0.74 | NA | NA | < 0.5 | 0.47 | 0.40 | 0.31 | < 1.0 |
| | | | Freon 12 | 8240/60 | ug/l | 7.0 | < 50 | 5.9 | 17 | 9.1 | 9.5 | 7.3 | NA | NA | 3.4 | 4.3 | 3.5 | 1.8 | 1.0 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.29 | 0.16 | < 1.0 | < 1.0 |
| | | | Naphthalene | 8240/60 | ug/l | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.52 | < 1.0 | < 1.0 | < 10 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | NA | NA | NA | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | Tetrachloroethene | 8240/60 | ug/l | 3.3 | < 10 | 3.2 | 3.7 | 3.3 | 2.8 | 3.2 | NA | NA | 2.1 | 2.3 | 1.7 | 1.4 | 0.84 |
| | | | Trichloroethene | 8240/60 | ug/l | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | 0.79 | NA | NA | < 1 | 0.73 | 0.57 | 0.52 | < 1.0 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | 2.3 | < 10 | 2.2 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| | | | Vinyl chloride | 8240/60 | ug/l | < 0.5 | < 5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 2.0 | 0.40 | < 2.0 | < 0.50 |
| | SWL0006 | VOCs | Benzene | 8240/60 | ug/l | < 0.5 | 0.69 | < 0.5 | < 0.5 | 0.58 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 0.11 | < 1.0 | < 1.0 | < 0.50 |
| | | | Carbon disulfide | 8240/60 | ug/l | NA | 7.9 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 10 | < 2.0 | < 1.0 | < 10 |
| | | | Methylene chloride | 8240/60 | ug/l | < 1 | < 17 | < 1 | < 1 | < 1 | 1.2 | < 1 | < 1 | < 1 | < 1 | < 5.0 | < 1.0 | < 1.0 | < 10 |
| | | Biodeg | Fe++ | SM3500 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 590 |
| | | | Methane | RSK175 | ug/l | NA | NA | NA | NA | 93 | 13 | 5.3 | 4.8 | 13 | 19 | 46 | 160 | 110 | 183 |
| | | | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | < 500 | < 500 | NA | NA | < 100 | < 500 | < 100 | < 100 |
| | | | | 353 | ug/l | < 50 | 61 | < 50 | < 50 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Sulfate | 300.0 | ug/l | NA | NA | NA | 110000 | 110000 | 120000 | 120000 | 110000 | 120000 | 120000 | 117000 | 132000 | 135000 | 140000 |
| | | | | 375 | ug/l | 140000 | 110000 | 130000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | Bacteria | BTEX Degraders | BIOGRA | uts/l | 1E+03 | 1E+03 - 1E+04 | 1E+03 | 1E+04 | 1E+02 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | HC Oxidizing Pop | SM9221C | mpn/ml | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 3.0 |
| | | | Ttl HT Plt Cnt | SM9215C | cfu/ml | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 30 |
| | SWL0007 | VOCs | Acetone | 8240/60 | ug/l | < 100 | 29 | < 100 | 56 | 80 | 25 | 26 | NA | NA | 27 | NA | < 5.8 | 8.2 | < 10.0 |
| | | | Benzene | 8240/60 | ug/l | 0.92 | < 0.5 | < 0.5 | 1.0 | 2.1 | 1.9 | < 0.5 | NA | NA | < 0.5 | 0.99 | 1.0 | 0.89 | 1.4 |
| | | | Chloroform | 8240/60 | ug/l | < 5 | 0.76 | < 5 | < 0.5 | < 0.5 | 0.66 | 0.75 | NA | NA | < 0.5 | 0.58 | 0.63 | 0.50 | 0.55 |
| | | | Cyclohexane | 8240/60 | ug/l | 530 | 980 | 1000 | 120 | 85 | 64 | 69 | NA | NA | 25 | 41 | < 2.0 | NA | NA |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | < 10 | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | 0.36 | < 1.0 | < 1.0 |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Table | SWL0007 | VOCs | cis-1,2-Dichloroethene | 8240/60 | ug/l | < 10 | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.48 | 0.62 | 0.47 | < 1.0 |
| | | | Ethylbenzene | 8240/60 | ug/l | < 10 | < 1 | < 10 | < 1 | 1.1 | < 1 | < 1 | NA | NA | 8.6 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| | | | Freon 11 | 8240/60 | ug/l | < 10 | 11 | < 10 | 3.5 | 7.4 | < 1 | 4.4 | NA | NA | 5.5 | 5.6 | 7.8 | 4.3 | 2.7 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 10 | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.13 | < 1.0 | < 1.0 | 0.18 |
| | | | Methylene chloride | 8240/60 | ug/l | < 10 | < 1 | < 10 | 1.8 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 0.20 | 0.38 | < 1.0 | < 10 |
| | | | Toluene | 8240/60 | ug/l | 0.89 | < 0.81 | 1.0 | 1.4 | < 0.58 | 1.2 | < 0.5 | NA | NA | < 1 | 0.54 | 0.40 | < 1.0 | < 1.0 |
| | | | 1,1,2-Trichloroethane | 8240/60 | ug/l | < 5 | < 0.5 | < 5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 1.1 | < 1.0 | < 1.0 | < 1.0 |
| | | | Trichloroethene | 8240/60 | ug/l | < 10 | 2.8 | < 10 | 2.5 | 2.5 | 2.4 | 2.9 | NA | NA | 2.0 | 2.0 | 2.0 | 2.0 | < 1.4 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 10 | < 1 | < 10 | < 1 | 5.4 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 1.0 | < 1.0 | 0.44 |
| | SWL0008 | VOCs | Benzene | 8240/60 | ug/l | 100000 | 100000 | 91000 | 55000 | 25000 | 12000 | 11000 | 24000 | 23000 | 2300 | 25000 | 1700 | 9300 | 49000 |
| | | | Bromoform | 8010/21 | ug/l | 5.1 | < 50 | < 500 | < 50 | < 30 | < 20 | < 30 | < 50 | < 1 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 10000 | < 1000 | < 500 | < 200 | < 100 | < 100 | < 500 | < 300 | < 20 | < 500 | < 50 | < 100 | < 500 |
| | | | Chlorobenzene | 8010/21 | ug/l | 10 | < 50 | < 500 | < 50 | < 30 | < 20 | < 30 | < 50 | < 1 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 10000 | < 1000 | < 500 | < 200 | < 100 | < 100 | < 500 | < 300 | < 20 | < 500 | < 50 | < 100 | < 500 |
| | | | Chloroethane | 8010/21 | ug/l | 1.2 | < 50 | < 500 | < 50 | < 30 | < 20 | < 30 | < 50 | < 1 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 10000 | < 1000 | < 500 | < 200 | < 100 | < 100 | < 500 | < 300 | < 20 | < 1000 | < 50 | < 200 | < 500 |
| | | | Dibromochloromethane | 8010/21 | ug/l | 6.7 | < 50 | < 500 | < 50 | < 30 | < 20 | < 30 | < 50 | < 1 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 10000 | < 1000 | < 500 | < 200 | < 100 | < 100 | < 500 | < 300 | < 20 | < 500 | < 50 | < 100 | < 500 |
| | | | 1,2-Dichlorobenzene | 8010/21 | ug/l | 1.1 | < 50 | < 500 | < 50 | < 30 | < 20 | < 30 | < 50 | < 1 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 10000 | < 1000 | < 500 | < 200 | < 100 | < 100 | < 500 | < 300 | < 20 | < 500 | < 50 | < 100 | < 500 |
| | | | | 8270 | ug/l | < 30 | < 60 | < 60 | < 6 | < 6 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | < 0.5 | 77 | < 500 | < 50 | 75 | < 20 | < 30 | 73 | 41 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 500 | < 5000 | < 500 | < 300 | < 100 | < 50 | 210 | < 300 | < 200 | < 10 | < 500 | 50 | < 100 | < 250 |
| | | | Ethylbenzene | 8240/60 | ug/l | 2100 | < 10000 | 2300 | < 500 | 420 | 410 | 800 | 1400 | 1300 | 83 | 160 | 110 | 590 | 1900 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 1000 | < 10000 | < 1000 | < 500 | < 200 | < 100 | < 100 | < 500 | < 300 | < 20 | < 500 | 9.2 | 44 | 93 |
| | | | Naphthalene | 8240/60 | ug/l | < 1000 | < 10000 | < 1000 | < 500 | < 200 | < 100 | 150 | < 500 | < 300 | < 20 | < 500 | 15 | 50 | 330 |
| | | | | 8270 | ug/l | 390 | 530 | 480 | 65 | 48 | 110 | 120 | NA | NA | NA | NA | NA | NA | NA |
| | | | n-Propylbenzene | 8240/60 | ug/l | < 1000 | < 10000 | < 1000 | < 500 | < 200 | < 100 | < 100 | < 500 | < 300 | < 20 | < 500 | 16 | 98 | 180 |
| | | | Toluene | 8240/60 | ug/l | 1300 | < 10000 | 1800 | < 500 | 250 | < 100 | 160 | < 500 | 310 | 28 | < 500 | 24 | < 100 | < 500 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | 2000 | < 10000 | 1700 | < 500 | 380 | 350 | 700 | 960 | 1400 | < 20 | 180 | 56 | 650 | 130 |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | < 1000 | < 10000 | < 1000 | < 500 | < 200 | < 100 | < 100 | < 500 | < 300 | < 20 | < 500 | 7.5 | < 100 | < 500 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | 1500 | < 10000 | 1400 | < 500 | 410 | 110 | 300 | < 500 | 520 | 66 | < 500 | 120 | 260 | 360 |
| | | Biodeg | Fe++ | SM3500 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 18000 |
| | | | Methane | RSK175 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 2 | < 2 | 2.4 | 19 | 61 | 160 | 1590 |
| | | | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | < 500 | < 500 | < 500 | NA | NA | < 100 | < 500 | < 100 | < 100 |
| | | | | 353 | ug/l | NA | 63 | < 50 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory reporting limit. Concentrations in parentheses '()' generated by Hargis + Associates

# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | SWL0008 | Biodeg | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | 23000 | 16000 | 8500 | 10000 | 15000 | 20400 | 80300 | 6800 | < 1000 |
| | | | | 375 | ug/l | NA | 84000 | 8100 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | Bacteria | HC Oxidizing Pop | SM9221C | mpn/ml | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 3.0 |
| | | | Ttl HT Plt Cnt | SM9215C | cfu/ml | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 86 |
| | SWL0009 | VOCs | Benzene | 8240/60 | ug/l | < 0.5 | 86 | 1.1 | 0.77 | 0.85 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 0.57 | < 5.0 | < 1.0 | < 0.50 |
| | | | Chlorobenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.36 | < 5.0 | < 1.0 | < 1.0 |
| | | | Chloroethane | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.52 | < 5.0 | < 2.0 | < 1.0 |
| | | | Chloroform | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 1.0 | < 5.0 | 0.41 | < 1.0 |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | 89 | 98 | 88 | 88 | 110 | 85 | 87 | NA | NA | 88 | 78 | 68 | 70 | 35 |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 0.90 | < 5.0 | 0.49 | < 1.0 |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | 1.2 | < 0.5 | 1.4 | < 0.5 | 1.7 | < 0.5 | 1.5 | NA | NA | 1.7 | 1.6 | 1.7 | 1.7 | 1.4 |
| | | | 1,2-Dichloropropane | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 0.37 | < 5.0 | < 1.0 | < 1.0 |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.36 | 0.72 | 0.47 | 0.66 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | 27 | < 1 | 26 | 32 | 27 | 23 | 27 | NA | NA | 27 | 39 | 28 | 26 | 17 |
| | | | trans-1,2-Dichloroethene | 8240/60 | ug/l | < 1 | 1.1 | 1.0 | 1.8 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.95 | < 5.0 | 0.61 | < 1.0 |
| | | | Ethylbenzene | 8240/60 | ug/l | < 1 | 1.1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 5.0 | < 1.0 | < 1.0 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.16 | < 5.0 | < 1.0 | < 1.0 |
| | | | Methylene chloride | 8240/60 | ug/l | < 1 | 1.4 | < 1 | < 1 | < 1 | < 1 | 2.7 | NA | NA | < 1 | < 0.70 | < 5.0 | 0.45 | < 10 |
| | | | Tetrachloroethene | 8240/60 | ug/l | 40 | 37 | 38 | 44 | 36 | 44 | 34 | NA | NA | 29 | 36 | 23 | 29 | 18 |
| | | | Trichloroethene | 8240/60 | ug/l | 43 | 50 | 43 | 43 | 44 | 38 | 37 | NA | NA | 37 | 35 | 20 | 25 | 14 |
| | | | Vinyl chloride | 8240/60 | ug/l | 5.7 | 4.7 | 5.2 | 8.0 | 7.0 | < 0.5 | 10 | NA | NA | 5.0 | 6.2 | 3.9 | 3.9 | 0.66 |
| | SWL0012 | VOCs | Benzene | 8240/60 | ug/l | 1.9 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | Chloroform | 8240/60 | ug/l | 0.62 | 1.8 | 1.6 | 1.9 | 2.4 | 2.2 | 2.3 | NA | NA | NA | NA | NA | NA | NA |
| | | | Naphthalene | 8240/60 | ug/l | < 1 | < 1 | < 1 | 2.0 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA |
| | SWL0015 | VOCs | Benzene | 8240/60 | ug/l | 2.7 | 2.7 | 3.5 | 2.9 | 2.9 | 2.8 | 2.9 | NA | NA | NA | NA | NA | NA | NA |
| | | | Chlorobenzene | 8240/60 | ug/l | 15 | 14 | 24 | 17 | 15 | 15 | 15 | NA | NA | NA | NA | NA | NA | NA |
| | | | Cyclohexane | 8240/60 | ug/l | < 10 | < 10 | 11 | 5.2 | 4.4 | < 10 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,2-Dichlorobenzene | 8240/60 | ug/l | < 1 | < 1 | 1.2 | < 1 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | 2.8 | 2.9 | 4.9 | 3.6 | 3.2 | 3.4 | 3.0 | NA | NA | NA | NA | NA | NA | NA |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | 1.1 | < 1 | 1.4 | 1.1 | 1.3 | 1.1 | 0.90 | NA | NA | NA | NA | NA | NA | NA |
| | | | Toluene | 8240/60 | ug/l | < 1 | < 1 | 1.0 | < 1 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA |
| | | | Vinyl chloride | 8240/60 | ug/l | < 0.5 | < 0.5 | 3.0 | 1.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | SWL0016 | VOCs | Benzene | 8240/60 | ug/l | 4.6 | 13 | 8.8 | 4.7 | 21 | < 3 | 7.5 | NA | NA | NA | NA | NA | NA | 0.76 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | 12 | < 10 | 9.8 | < 5 | < 5 | < 5 | 7.6 | NA | NA | NA | NA | NA | NA | 2.6 |
| | | | Chloroform | 8240/60 | ug/l | < 3 | < 5 | < 3 | < 3 | < 3 | < 3 | < 3 | NA | NA | NA | NA | NA | NA | 0.77 |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | SWL0016 | VOCs | 1,1-Dichloroethane | 8240/60 | ug/l | < 5 | < 10 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | 0.70 |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | 140 | 170 | 160 | 66 | 89 | 120 | 140 | NA | NA | NA | NA | NA | NA | 19 |
| | | | Ethylbenzene | 8240/60 | ug/l | < 5 | < 10 | 8.4 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | < 1.0 |
| | | | Tetrachloroethene | 8240/60 | ug/l | 350 | 320 | 350 | 280 | 340 | 340 | 350 | NA | NA | NA | NA | NA | NA | 120 |
| | | | 1,1,1-Trichloroethane | 8240/60 | ug/l | < 5 | < 10 | < 5 | < 5 | < 5 | < 5 | 3.2 | NA | NA | NA | NA | NA | NA | < 1.0 |
| | | | Trichloroethene | 8240/60 | ug/l | < 5 | < 10 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | 1.8 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 5 | < 10 | 10 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | < 1.0 |
| | SWL0017 | VOCs | Benzene | 8240/60 | ug/l | 7.8 | 7.9 | 19 | 3.7 | 13 | 8.0 | 11 | NA | NA | NA | NA | NA | NA | 5.5 |
| | | | Chloroform | 8240/60 | ug/l | 5.4 | 6.0 | 4.6 | 4.7 | 4.1 | 3.1 | 1.8 | NA | NA | NA | NA | NA | NA | 2.3 |
| | | | Naphthalene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | 3.9 | < 1 | NA | NA | NA | NA | NA | NA | < 10.0 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,1,2,2-Tetrachloroethane | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 0.90 | < 0.5 | NA | NA | NA | NA | NA | NA | < 1.0 |
| | | | Toluene | 8240/60 | ug/l | < 1 | < 1 | 1.7 | < 1 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | 0.41 |
| | SWL0021 | VOCs | Acetone | 8240/60 | ug/l | < 10 | < 100 | < 10 | 18 | < 10 | < 10 | < 10 | NA | NA | < 10 | < 25 | < 13 | < 10 | < 10 |
| | | | Benzene | 8240/60 | ug/l | 16 | 19 | 9.2 | 4.6 | 4.4 | 4.4 | 5.4 | NA | NA | 4.1 | 6.0 | 3.2 | 1.9 | < 0.50 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | NA | NA | 0.31 | 0.46 |
| | | | Chlorobenzene | 8240/60 | ug/l | < 2.1 | < 10 | 2.2 | 3.0 | 3.1 | 2.6 | 2.3 | NA | NA | 2.7 | 3.2 | 3.1 | 3.4 | 6.5 |
| | | | Chloroethane | 8240/60 | ug/l | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 5.0 | < 5.0 | 1.1 | < 1.0 |
| | | | Chloroform | 8240/60 | ug/l | < 0.5 | < 5 | 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 2.5 | < 5.0 | < 1.0 | < 1.0 |
| | | | Cyclohexane | 8240/60 | ug/l | < 10 | < 100 | < 10 | 32 | 11 | < 10 | < 10 | NA | NA | 11 | < 25 | 5.3 | NA | NA |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | 80 | 86 | 75 | 93 | 100 | 93 | 88 | NA | NA | 97 | 98 | 96 | 75 | 57 |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | 40 | 42 | 34 | 46 | 43 | 39 | 33 | NA | NA | 30 | 36 | 25 | 18 | 13 |
| | | | 1,2-Dichlorobenzene | 8240/60 | ug/l | 2.0 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 2.5 | < 5.0 | 0.44 | 0.57 |
| | | | | 8270 | ug/l | < 6 | < 6 | < 6 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | 12 | < 5 | 12 | 15 | 17 | 14 | 14 | NA | NA | 17 | 21 | 23 | 19 | 22 |
| | | | 1,2-Dichloropropane | 8240/60 | ug/l | 7.9 | < 5 | 8.4 | 9.9 | 11 | 8.6 | 9.8 | NA | NA | 11 | 11 | 10 | < 1.0 | 12 |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 1 | < 10 | 2.5 | 3.8 | 3.4 | 3.0 | 3.4 | NA | NA | 3.2 | 4.1 | 4.6 | 5.0 | 10 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | 61 | 52 | 51 | 83 | 96 | 72 | 70 | NA | NA | 66 | 98 | 91 | 89 | 100 |
| | | | trans-1,2-Dichloroethene | 8240/60 | ug/l | 4.1 | < 10 | 3.7 | 4.7 | 4.6 | 4.8 | 4.2 | NA | NA | 3.9 | 4.8 | 3.8 | 3.2 | 2.4 |
| | | | Freon 11 | 8240/60 | ug/l | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 5.0 | 3.7 | < 2.0 | 1.7 |
| | | | Freon 12 | 8240/60 | ug/l | < 5 | < 50 | 42 | 190 | 46 | 37 | 27 | NA | NA | 17 | 15 | 8.3 | 1.5 | < 1.0 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 1 | < 10 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.42 | < 5.0 | < 1.0 | < 1.0 |
| | | | Methyl isobutyl ketone (MIBK) | 8240/60 | ug/l | < 3 | < 30 | < 3 | < 3 | < 3 | < 3 | < 3 | NA | NA | < 3 | < 25 | < 10 | 7.2 | < 10 |
| | | | Methylene chloride | 8240/60 | ug/l | < 1 | < 10 | < 1 | < 1 | < 2 | < 1 | < 1 | NA | NA | < 1 | 0.70 | < 5.0 | 0.39 | < 10 |

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# Table 3
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## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | SWL0021 | VOCs | 1,1,2,2-Tetrachloroethane | 8240/60 | ug/l | < 0.5 | < 5 | < 0.5 | < 0.5 | < 0.5 | 0.89 | < 0.5 | NA | NA | < 0.5 | < 2.5 | < 5.0 | < 1.0 | < 1.0 |
| | | | Tetrachloroethene | 8240/60 | ug/l | 52 | 51 | 50.5 | 68 | 63 | 59 | 44 | NA | NA | 49 | 51 | 31 | 24 | 15 |
| | | | Trichloroethene | 8240/60 | ug/l | 150 | 130 | 120 | 150 | 160 | 140 | 120 | NA | NA | 150 | 130 | 81 | 61 | 38 |
| | | | Vinyl chloride | 8240/60 | ug/l | 35 | 26 | 29 | 74 | 33 | < 0.5 | 43 | NA | NA | 29 | 28 | 27 | 30 | 14 |
| | SWL0024 | VOCs | Acetone | 8240/60 | ug/l | < 10 | < 10 | < 10 | 32 | < 30 | < 10 | < 10 | NA | NA | < 10 | < 10 | < 2.0 | < 10 | 4.5 |
| | | | Benzene | 8240/60 | ug/l | 23 | 2.9 | 2.3 | 1.6 | 1.7 | 2.0 | 0.92 | NA | NA | < 0.5 | 0.35 | 0.61 | < 1.0 | 0.32 |
| | | | Chlorobenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.11 | < 1.0 | < 1.0 | < 1.0 |
| | | | Chloroform | 8240/60 | ug/l | 7.2 | 8.1 | 7.1 | 7.0 | 6.4 | 4.9 | 2.4 | NA | NA | 1.6 | 0.24 | < 1.0 | < 1.0 | < 1.0 |
| | | | Chloromethane | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | 2.8 | < 2.0 | < 1.0 | < 2.0 | < 10 |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | 2.3 | 3.0 | 2.8 | 3.0 | 3.4 | 3.5 | 2.5 | NA | NA | 2.3 | 1.9 | 2.6 | 1.8 | 1.5 |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | 1.4 | 1.2 | 1.1 | < 0.5 | < 0.5 | < 0.5 | 0.63 | NA | NA | < 0.5 | 0.42 | 0.53 | 0.28 | < 1.0 |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 1.0 | < 1.0 | < 1.0 | 0.38 |
| | | | 1,2-Dichloropropane | 8240/60 | ug/l | < 0.5 | < 0.5 | 0.76 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 1.4 | 1.1 | < 1.0 | 2.6 |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.35 | < 1.0 | < 1.0 | 1.3 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | Dichlorobromomethane | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 8.7 | < 1.0 | < 1.0 | < 1.0 |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | < 1 | 4.1 | 4.0 | 4.8 | 4.6 | 6.2 | 4.4 | NA | NA | 5.4 | 6.4 | 7.6 | 6.5 | 4.5 |
| | | | trans-1,2-Dichloroethene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 0.50 | 0.53 | 0.35 | < 1.0 |
| | | | Freon 11 | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | 1.5 | < 1 | NA | NA | < 1 | < 2.0 | < 1.0 | < 2.0 | 0.31 |
| | | | Freon 12 | 8240/60 | ug/l | < 5 | 19 | 28 | 44 | 29 | 29 | 10 | NA | NA | 5.7 | 3.7 | 3.8 | 2.3 | < 1.0 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.26 | < 1.0 | < 1.0 | < 1.0 |
| | | | Methylene chloride | 8240/60 | ug/l | 4.0 | < 5.7 | < 3.4 | < 2.7 | 3.2 | 2.1 | 2.6 | NA | NA | < 1 | 0.31 | 0.51 | 0.20 | < 10 |
| | | | Naphthalene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 1.9 | NA | NA | < 1 | < 1.0 | < 1.0 | < 1.0 | < 10 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | Tetrachloroethene | 8240/60 | ug/l | 60 | 51 | 67 | 61 | 59 | 66 | 40 | NA | NA | 33 | 4.2 | 4.1 | 2.0 | < 1.0 |
| | | | Trichloroethene | 8240/60 | ug/l | 28 | 31 | 28 | 34 | 35 | 36 | 25 | NA | NA | 25 | 31 | 31 | 27 | 12 |
| | | | Vinyl chloride | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | 4.0 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 1.1 | 1.7 | < 2.0 | 1.2 |
| | SWL0028 | VOCs | Benzene | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 1.0 | < 1.0 | < 1.0 | 0.58 |
| | | | Methyl Ethyl Ketone | 8240/60 | ug/l | < 5 | < 5 | < 5 | < 5 | 5.4 | < 5 | < 5 | NA | NA | < 5 | < 10 | < 2.0 | < 5.0 | < 10 |
| | | | Trichloroethene | 8240/60 | ug/l | 5.2 | 5.6 | 3.9 | 6.1 | 4.1 | 3.6 | 1.9 | NA | NA | < 1 | 0.22 | < 1.0 | < 1.0 | < 1.0 |
| | SWL0038 | VOCs | Benzene | 8240/60 | ug/l | < 5 | 0.89 | < 5 | < 5 | < 0.5 | < 3 | < 3 | NA | NA | < 0.5 | 0.58 | < 10 | < 1.0 | NA |
| | | | Chloromethane | 8240/60 | ug/l | < 10 | < 1 | < 10 | < 10 | < 1 | < 5 | < 5 | NA | NA | 45 | < 10 | < 10 | < 2.0 | NA |
| | | | Cyclohexane | 8240/60 | ug/l | 1200 | 850 | 730 | 1100 | 800 | 430 | 570 | NA | NA | 300 | 450 | 130 | NA | NA |
| | | | 1,3-Dichlorobenzene | 8240/60 | ug/l | < 10 | < 1 | < 10 | < 10 | < 1 | < 5 | < 5 | NA | NA | < 1 | < 5.0 | 1.2 | < 1.0 | NA |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | < 10 | 1.0 | < 10 | < 10 | 1.2 | < 5 | < 5 | NA | NA | < 1 | < 2.5 | < 10 | < 1.0 | NA |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | SWL0038 | VOCs | Ethylbenzene | 8240/60 | ug/l | < 10 | < 1 | 11 | < 10 | < 1 | < 5 | < 5 | NA | NA | < 1 | < 5.0 | < 10 | < 1.0 | NA |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 10 | 1.4 | < 10 | < 10 | < 1 | < 5 | < 5 | NA | NA | 1.4 | 0.69 | < 10 | < 1.0 | NA |
| | | | Methyl Ethyl Ketone | 8240/60 | ug/l | < 50 | < 5 | 500 | < 50 | < 5 | < 30 | < 30 | NA | NA | < 5 | < 50 | < 20 | < 5.0 | NA |
| | | | Naphthalene | 8240/60 | ug/l | < 10 | < 1 | < 10 | < 10 | < 1 | < 5 | < 5 | NA | NA | < 1 | < 5.0 | 1.6 | < 1.0 | NA |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Trichloroethene | 8240/60 | ug/l | < 10 | 1.5 | < 10 | < 10 | < 1 | < 5 | < 5 | NA | NA | < 1 | < 5.0 | < 10 | < 1.0 | NA |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 10 | < 1 | 15 | < 10 | < 1 | < 5 | < 5 | NA | NA | < 1 | < 5.0 | < 10 | < 1.0 | NA |
| | SWL0039 | VOCs | Chloroform | 8240/60 | ug/l | 20 | 20 | 18 | 15 | 7.1 | 18 | 18 | NA | NA | NA | NA | NA | NA | NA |
| | | | Cyclohexane | 8240/60 | ug/l | < 10 | < 10 | < 10 | 5.2 | < 10 | < 10 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | < 0.5 | 2.0 | 2.2 | < 0.5 | 1.2 | 1.1 | 0.83 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,2-Dichloropropane | 8240/60 | ug/l | 5.4 | 6.1 | 6.2 | 5.0 | 6.4 | 5.5 | 5.8 | NA | NA | NA | NA | NA | NA | NA |
| | | | Freon 11 | 8240/60 | ug/l | 2.8 | < 1 | 5.1 | 5.8 | 6.5 | 10 | 21 | NA | NA | NA | NA | NA | NA | NA |
| | | | Methyl Ethyl Ketone | 8240/60 | ug/l | < 5 | < 5 | < 5 | < 5 | 18 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,1,2,2-Tetrachloroethane | 8240/60 | ug/l | < 0.5 | < 0.5 | 1.1 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | SWL0042 | VOCs | Acetone | 8240/60 | ug/l | NA | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | NA | NA | < 10 | 19 | < 20 | < 10 | < 10 |
| | | | Benzene | 8240/60 | ug/l | NA | < 0.5 | 1.2 | 1.2 | < 1.7 | 0.97 | 0.68 | NA | NA | < 0.5 | 0.53 | < 10 | 0.59 | 1.1 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | < 1 | 1.2 | 1.3 | 1.3 | 1.5 | 1.1 | NA | NA | 1.1 | NA | NA | 0.90 | 1.1 |
| | | | Chlorobenzene | 8010/21 | ug/l | NA | NA | NA | 2.5 | 2.5 | < 0.5 | 1.9 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | 2.8 | 3.0 | 3.1 | 2.5 | 2.8 | 2.3 | NA | NA | < 1 | 2.6 | 2.7 | 2.6 | 2.6 |
| | | | Cyclohexane | 8240/60 | ug/l | NA | 18 | 21 | 23 | 15 | 18 | 15 | NA | NA | < 10 | 8.3 | < 20 | NA | NA |
| | | | 1,1-Dichloroethane | 8010/21 | ug/l | NA | NA | NA | 2.4 | 2.3 | 2.9 | 2.1 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | 2.6 | 3.0 | 2.6 | 2.4 | 2.7 | 2.3 | NA | NA | 2.0 | 1.6 | < 10 | 2.4 | 1.7 |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | NA | NA | NA | 1.3 | 1.2 | 1.9 | 0.96 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | 1.8 | 2.7 | 1.4 | 1.5 | 1.9 | 1.5 | NA | NA | 1.7 | 1.9 | < 10 | 1.6 | 1.1 |
| | | | 1,2-Dichlorobenzene | 8010/21 | ug/l | NA | NA | NA | 1.3 | 1.5 | 1.9 | 1.1 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | < 1.2 | 1.4 | 1.2 | 1.2 | 1.6 | 1.2 | NA | NA | 1.2 | 1.6 | 1.7 | 1.2 | 1.1 |
| | | | | 8270 | ug/l | NA | < 6 | < 6 | < 6 | < 6 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | NA | NA | NA | 2.1 | 2.9 | 2.3 | 2.1 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | < 0.5 | 3.1 | < 0.5 | 2.2 | 2.3 | 1.5 | NA | NA | 1.8 | 1.5 | < 10 | < 1.0 | < 0.50 |
| | | | 1,2-Dichloropropane | 8010/21 | ug/l | NA | NA | NA | 4.9 | 4.0 | 5.0 | 3.3 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | 3.7 | 4.4 | 3.5 | 3.2 | 3.6 | 2.7 | NA | NA | 2.4 | 2.2 | 2.0 | < 1.0 | < 1.0 |
| | | | 1,3-Dichlorobenzene | 8010/21 | ug/l | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 10 | 8.6 | < 1.0 |
| | | | | 8270 | ug/l | NA | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,4-Dichlorobenzene | 8010/21 | ug/l | NA | NA | NA | 16 | 12 | 13 | 12 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | 11 | 11 | 13 | 12 | 13 | 9.8 | NA | NA | 9.3 | 9.8 | 8.5 | 8.8 | 9.5 |

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## Time-Series Summary of Detected Groundwater Analytes
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| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | SWL0042 | VOCs | 1,4-Dichlorobenzene | 8270 | ug/l | NA | 5.3 | 5.6 | 8.3 | 8.5 | 9.4 | 7.1 | NA | NA | NA | NA | NA | NA | NA |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | NA | NA | NA | 96 | 55 | 75 | 100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | 47 | 57 | 61 | 55 | 67 | 59 | NA | NA | 69 | 73 | 89 | 75 | 80 |
| | | | trans-1,2-Dichloroethene | 8010/21 | ug/l | NA | NA | NA | 0.97 | 1.0 | 1.4 | 0.60 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | 1.2 | 1.6 | < 1 | 1.3 | 1.4 | 1.1 | NA | NA | 1.3 | 1.2 | < 10 | 1.3 | 1.7 |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.13 | < 10 | < 1.0 | < 1.0 |
| | | | Freon 12 | 8240/60 | ug/l | NA | 28 | 40 | 67 | 39 | 46 | 25 | NA | NA | 13 | 6.6 | < 10 | < 2.0 | 1.3 |
| | | | Isopropylbenzene | 8240/60 | ug/l | NA | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.69 | < 10 | 0.62 | 0.84 |
| | | | Methylene chloride | 8010/21 | ug/l | NA | NA | NA | < 1.2 | < 2 | < 2 | < 2 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | < 1 | < 1.5 | < 1 | < 1 | < 1.0 | < 1 | NA | NA | < 1 | 0.37 | < 10 | < 1.0 | < 10 |
| | | | Naphthalene | 8240/60 | ug/l | NA | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.40 | < 10 | < 1.0 | 0.57 |
| | | | | 8270 | ug/l | NA | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | n-Propylbenzene | 8240/60 | ug/l | NA | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 10 | < 1.0 | 0.25 |
| | | | tert-Butylbenzene | 8240/60 | ug/l | NA | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.20 | < 10 | < 1.0 | < 1.0 |
| | | | Tetrachloroethene | 8010/21 | ug/l | NA | NA | NA | 16 | 11 | 11 | 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | 12 | 11 | 12 | 10 | 9.9 | 6.6 | NA | NA | 5.2 | 3.4 | < 10 | 1.6 | < 1.0 |
| | | | Toluene | 8240/60 | ug/l | NA | < 1 | < 1.1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.71 | < 10 | 0.35 | 0.35 |
| | | | 1,1,2-Trichloroethane | 8010/21 | ug/l | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 1.0 | < 10 | 1.9 | < 1.0 |
| | | | Trichloroethene | 8010/21 | ug/l | NA | NA | NA | 71 | 44 | 32 | 47 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | 52 | 68 | 48 | 40 | 46 | 31 | NA | NA | 24 | 15 | 14 | 9.2 | 8.3 |
| | | | Vinyl chloride | 8010/21 | ug/l | NA | NA | NA | 17 | 18 | 15 | 12 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | 13 | 17 | 23 | 14 | 21 | 19 | NA | NA | 9.9 | 7.6 | 13 | 8.9 | 12 |
| | SWL0044 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | 92000 | 110000 | 120000 | NA | NA | 63000 | 55000 | 49000 | 24000 | 5700 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | < 500 | < 1000 | < 1000 | NA | NA | < 1000 | NA | NA | < 500 | 7.8 |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | < 500 | < 1000 | < 1000 | NA | NA | < 1000 | < 1000 | < 2500 | < 500 | 23 |
| | | | Isopropylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | < 500 | < 1000 | < 1000 | NA | NA | < 1000 | < 1000 | < 2500 | < 500 | 15 |
| | | | Naphthalene | 8240/60 | ug/l | NA | NA | NA | NA | < 500 | < 1000 | < 1000 | NA | NA | < 1000 | < 1000 | < 2500 | < 500 | < 500 |
| | | | | 8270 | ug/l | NA | NA | NA | NA | 200 | 280 | 360 | NA | NA | NA | NA | NA | NA | NA |
| | SWL0045 | VOCs | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | 82 | 44 | < 29 | 46 | NA | NA | NA | NA | NA |
| | | | Dichlorobromomethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | 0.58 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA |
| | SWL0046 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 4.6 | 1.8 | < 2.7 | 4.5 | 3.7 | 1.7 | 0.87 | < 1.0 | < 0.50 |
| | | | Chloromethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | 1.1 | < 1 | < 2.0 | < 1.0 | < 2.0 | < 10 |
| | | | Methyl isobutyl ketone (MIBK) | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 3 | < 3 | 46 | < 3 | < 3 | < 10 | < 2.0 | < 5.0 | < 10 |
| | | | Methylene chloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | < 5.0 | 0.71 | < 1.0 | < 10 |

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| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | SWL0049 | VOCs | Acetone | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 100 | < 200 | < 50 | < 100 | 140 | < 100 | < 50 | < 100 | < 100 |
| | | | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 170 | 160 | 67 | 68 | 57 | 50 | 92 | 54 | 31 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | < 5 | < 10 | < 10 | NA | NA | 6.3 | 4.1 |
| | | | Chlorobenzene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 2100 | 1800 | NA | 820 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | 1900 | 1900 | 780 | 830 | 900 | 680 | 710 | 550 | 520 |
| | | | Chloroform | 8010/21 | ug/l | NA | NA | NA | NA | NA | 6.2 | < 10 | NA | < 5 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 5 | < 10 | < 3 | < 5 | < 5 | 8.1 | 19 | 8.3 | < 10 |
| | | | Chloromethane | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 5 | < 10 | NA | < 5 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | < 5 | < 10 | 19 | < 20 | < 25 | < 20 | < 100 |
| | | | Cyclohexane | 8240/60 | ug/l | NA | NA | NA | NA | NA | 210 | 260 | 190 | 200 | 240 | 210 | 210 | NA | NA |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | NA | NA | NA | NA | NA | 79 | 110 | NA | 170 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | 69 | 150 | 190 | 180 | 260 | 220 | 310 | 330 | 430 |
| | | | 1,3-Dichlorobenzene | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 5 | < 10 | NA | < 5 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | < 5 | < 10 | < 10 | < 10 | < 25 | < 10 | < 10 |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | < 5 | < 5 | < 5 | < 5 | < 5 | 2.0 | < 10 | < 10 | NA |
| | | | 1,4-Dichlorobenzene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 13 | < 10 | NA | < 6.2 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | < 5 | < 10 | < 10 | < 10 | < 25 | < 10 | < 10 |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | 6.3 | < 5 | < 5 | < 5 | < 5 | 1.8 | < 10 | < 10 | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 66 | 98 | 54 | 29 | 11 | 71 | 110 | 6.2 | 2.0 |
| | | | Isopropylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 17 | 22 | 11 | < 10 | 11 | 13 | 15 | 9.4 | 9.6 |
| | | | n-Propylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 13 | < 20 | 5.4 | < 10 | < 10 | 9.2 | < 25 | < 10 | < 10 |
| | | | Tetrachloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 5 | < 10 | NA | < 5 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | < 5 | < 10 | < 10 | 2.6 | < 25 | < 10 | 5.4 |
| | | | Toluene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | < 5 | < 10 | < 10 | 3.2 | < 25 | 4.7 | 3.9 |
| | | | 1,1,2-Trichloroethane | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 5 | < 10 | NA | < 5 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 5 | < 10 | < 3 | < 5 | < 5 | 28 | < 25 | < 10 | < 10 |
| | | | Trichloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 6.1 | < 10 | NA | 25 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | 22 | 25 | 29 | 34 | 45 | 52 | 53 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 84 | < 20 | < 5 | < 10 | < 10 | < 10 | < 25 | < 10 | < 10 |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | 28 | < 10 | < 10 | < 10 | < 25 | < 10 | < 10 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | 15 | 36 | 10 | < 10 | < 10 | 3.6 | < 25 | < 10 | 1.7 |
| | SWL0051 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 8.7 | 8.7 | < 0.5 | 8.4 | 7.9 | 12 | < 5.0 | 0.61 | 0.57 |
| | | | Cyclohexane | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | 35 | < 10 | < 10 | 11 | < 20 | < 10 | NA | NA |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 2.0 | < 5.0 | 0.30 | < 1.0 |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 1.1 | 2.9 | < 1 | 3.7 | 3.0 | 3.0 | 3.6 | 3.1 | 2.3 |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | 1.3 | < 5.0 | < 1.0 | < 1.0 |

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| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | SWL0051 | VOCs | Naphthalene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | 2.2 | < 2.0 | < 5.0 | < 1.0 | < 10 |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | < 5 | < 5 | < 5 | < 5 | < 5 | < 10 | < 9.5 | NA | NA |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 100 | 130 | 76 | 130 | 130 | 110 | 83 | 91 | 39 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | 1.0 | < 5.0 | < 1.0 | < 1.0 |
| | | Biodeg | Fe++ | SM3500 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 100 |
| | | | Methane | RSK175 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 2 | < 2 | < 2 | 4.9 | 19 | 3.6 | 6.93 |
| | | | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | 36000 | 99000 | NA | NA | 23400 | 17300 | 15800 | 8300 |
| | | | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | 250000 | 260000 | 240000 | 280000 | 260000 | 264000 | 282000 | 300000 | 250000 |
| | | Bacteria | BTEX Degraders | BIOGRA | uts/l | NA | NA | NA | NA | NA | 1E+06 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | HC Oxidizing Pop | SM9221C | mpn/ml | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 3.0 |
| | | | Ttl HT Plt Cnt | SM9215C | cfu/ml | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 30 |
| | SWL0057 | VOCs | Acetone | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 20 | < 12 | < 10 | < 10 | < 10 | < 10 | < 2.0 | < 10 | 4.3 |
| | | | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 46 | 6.6 | 6.2 | < 0.5 | 6.1 | 1.6 | 1.1 | 0.42 | < 0.50 |
| | | | n-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.88 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 3.6 | 2.3 | 2.3 | 2.9 | 3.0 | NA | NA | 3.0 | 2.1 |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 0.20 | 0.76 | < 1.0 | < 1.0 |
| | | | Cyclohexane | 8240/60 | ug/l | NA | NA | NA | NA | NA | 110 | < 10 | 40 | 50 | 49 | 24 | 26 | NA | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 2.6 | < 1 | < 1 | < 1 | < 1 | 0.34 | 0.57 | 0.38 | 0.27 |
| | | | Isopropylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 11 | 4.4 | 3.8 | 6.6 | 6.3 | 5.6 | 8.1 | 6.8 | 5.1 |
| | | | Methyl Ethyl Ketone | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 5 | 25 | < 5 | < 5 | < 10 | < 2.0 | < 5.0 | < 10 |
| | | | Methylene chloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 4.5 | < 1 | < 1 | < 1 | < 1 | 1.0 | 0.61 | < 1.0 | < 10.0 |
| | | | Naphthalene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 350 | 79 | 76 | 73 | 59 | 37 | 32 | 25 | 15 |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | 43 | 43 | 46 | 40.0 | 53 | 23 | 29 | NA | NA |
| | | | n-Propylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 18 | 3.2 | 3.8 | 7.4 | 6.6 | 6.1 | 9.8 | 8.3 | 5.9 |
| | | | tert-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 2 | < 1 | < 1 | < 1 | < 1 | 0.13 | < 1.0 | < 1.0 | < 1.0 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 2 | 15 | < 1 | 18 | 2.1 | 0.20 | < 1.0 | 1.4 | < 1.0 |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 2 | < 1 | < 1 | < 1 | < 1 | 0.14 | < 1.0 | < 1.0 | 0.12 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | 8.3 | 1.6 | 1.7 | 3.3 | 3.3 | 0.54 | < 1.0 | < 1.0 | < 1.0 |
| | XGW-07A | VOCs | Tetrachloroethene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | 1.8 | 1.0 | 3.7 | NA | NA | 2.5 | 0.99 | 2.3 | 0.72 | NA |
| | | | Trichloroethene | 8240/60 | ug/l | 1.4 | < 1 | 1.0 | < 1 | < 1 | < 1 | < 1 | NA | NA | 1.1 | < 1.0 | 1.1 | 1.6 | NA |
| | XMW-01 | VOCs | Acetone | 8240/60 | ug/l | < 5000 | < 10000 | < 5000 | < 10000 | < 5000 | NA | < 6100 | NA | NA | NA | NA | NA | NA | (4000) |
| | | | Benzene | 8240/60 | ug/l | 8000 | 7000 | 8400 | 8800 | 5900 | NA | 6900 | NA | NA | NA | NA | NA | NA | (4500) |
| | | | Chlorobenzene | 8240/60 | ug/l | 85000 | 80000 | 86000 | 86000 | 82000 | NA | 74000 | NA | NA | NA | NA | NA | NA | (130000) |
| | | | Chloroform | 8240/60 | ug/l | 19000 | 16000 | 16000 | 21000 | 11000 | NA | 15000 | NA | NA | NA | NA | NA | NA | (20000) |
| | | | 1,2-Dichlorobenzene | 8240/60 | ug/l | < 500 | < 1000 | < 500 | < 1000 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | (<200) |
| | | | | 8270 | ug/l | 87 | 100 | 66 | 69 | 86 | NA | 80 | NA | NA | NA | NA | NA | NA | NA |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | XMW-01 | VOCs | 1,2-Dichloroethane | 8240/60 | ug/l | < 300 | < 500 | < 300 | < 500 | < 300 | NA | < 300 | NA | NA | NA | NA | NA | NA | (130) |
| | | | 1,3-Dichlorobenzene | 8240/60 | ug/l | < 500 | < 1000 | < 500 | < 1000 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | (<200) |
| | | | | 8270 | ug/l | 7.8 | < 10 | 5.4 | 5.3 | < 30 | NA | 6.0 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 500 | < 1000 | < 500 | < 1000 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | (280) |
| | | | | 8270 | ug/l | 160 | 210 | 120 | 150 | 170 | NA | 140 | NA | NA | NA | NA | NA | NA | NA |
| | | | Naphthalene | 8240/60 | ug/l | < 500 | < 1000 | < 500 | < 1000 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | (<500) |
| | | | | 8270 | ug/l | 5.6 | 41 | 39 | < 5 | < 30 | NA | 25 | NA | NA | NA | NA | NA | NA | NA |
| | | | Tetrachloroethene | 8240/60 | ug/l | 4100 | 3900 | 4300 | 4100 | 4100 | NA | 3600 | NA | NA | NA | NA | NA | NA | (3500) |
| | | | 1,2,4-Trichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<500) |
| | | | | 8270 | ug/l | 140 | 200 | 120 | 100 | 170 | NA | 110 | NA | NA | NA | NA | NA | NA | NA |
| | | | Trichloroethene | 8240/60 | ug/l | < 500 | < 1000 | < 500 | < 1000 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | (210) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 500 | < 1000 | < 500 | < 1000 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | (300) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | 180000 | 100000 | NA | 160000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (770000) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (36) |
| | | | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (21) |
| | | | delta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (33) |
| | | | gamma-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (59) |
| | XMW-01T | VOCs | Benzene | 8240/60 | ug/l | < 30 | < 100 | 60 | < 50 | < 50 | 30 | < 30 | NA | NA | < 30 | 16 | NA | NA | NA |
| | | | Chloroform | 8240/60 | ug/l | < 30 | < 100 | < 30 | < 50 | < 50 | < 20 | < 30 | NA | NA | < 30 | 14 | NA | NA | NA |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | 1200 | 3000 | 5600 | 2900 | 6000 | 4000 | 3800 | NA | NA | 6200 | 3100 | NA | NA | NA |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | 190 | 330 | 650 | 380 | 730 | 570 | 530 | NA | NA | 1100 | 770 | NA | NA | NA |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | < 30 | < 100 | < 30 | < 50 | 58 | 47 | 39 | NA | NA | 59 | 46 | NA | NA | NA |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | 100 | 210 | 150 | 150 | 170 | 270 | 260 | NA | NA | 270 | 190 | NA | NA | NA |
| | | | Tetrachloroethene | 8240/60 | ug/l | 2300 | 1600 | 960 | 1600 | 1400 | 1100 | 1300 | NA | NA | 48 | 1400 | NA | NA | NA |
| | | | 1,1,1-Trichloroethane | 8240/60 | ug/l | < 50 | < 200 | 430 | < 100 | 310 | 280 | 150 | NA | NA | 150 | < 120 | NA | NA | NA |
| | | | Trichloroethene | 8240/60 | ug/l | 8300 | 6600 | 4700 | 5700 | 5800 | 6400 | 5800 | NA | NA | 3200 | 6100 | NA | NA | NA |
| | | | Vinyl chloride | 8240/60 | ug/l | < 30 | < 100 | 100 | < 50 | 110 | 90 | < 30 | NA | NA | 160 | 86 | NA | NA | NA |
| | XMW-02HD | VOCs | Acetone | 8240/60 | ug/l | < 100 | < 500 | < 50 | 140 | < 25 | < 10 | < 200 | NA | NA | < 58 | < 100 | < 280 | < 250 | NA |
| | | | Benzene | 8240/60 | ug/l | 1600 | 480 | 240 | 50 | 120 | 28 | 640 | NA | NA | 290 | 14 | 3100 | 970 | NA |
| | | | Cyclohexane | 8240/60 | ug/l | < 100 | < 500 | < 50 | 18 | 13 | < 10 | < 200 | NA | NA | < 30 | < 100 | < 250 | NA | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | < 10 | < 50 | < 5 | < 1 | < 1 | < 1 | < 20 | NA | NA | 7.4 | 1.5 | < 120 | 5.1 | NA |
| | | | Methylene chloride | 8240/60 | ug/l | < 10 | < 50 | < 5 | < 1 | < 1 | < 1 | < 20 | NA | NA | 12 | < 50 | < 120 | < 25 | NA |
| | | | Naphthalene | 8240/60 | ug/l | 12 | < 50 | < 5 | 2.6 | 3.0 | < 1 | < 20 | NA | NA | 3.0 | 2.2 | < 120 | < 25 | NA |
| | | | | 8270 | ug/l | 8.0 | < 5 | < 5 | < 5 | < 5 | < 30 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | Styrene | 8240/60 | ug/l | < 10 | < 50 | < 5 | < 1 | < 1 | < 1 | < 20 | NA | NA | < 3 | 4.0 | < 120 | < 25 | NA |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | XMW-02HD | VOCs | Toluene | 8240/60 | ug/l | 18 | < 50 | < 5 | 7.9 | 12 | 5.8 | 28 | NA | NA | 11 | 4.9 | < 120 | 16 | NA |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | < 10 | < 50 | < 5 | 2.7 | < 1 | < 1 | < 20 | NA | NA | < 3 | < 10 | < 120 | < 25 | NA |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | 13 | < 50 | < 5 | < 1 | < 1 | < 1 | < 20 | NA | NA | 21 | 20 | 38 | 55 | NA |
| | XMW-02T | VOCs | Benzene | 8240/60 | ug/l | < 3 | < 10 | < 5 | < 20 | < 20 | < 20 | < 30 | NA | NA | < 30 | 5.3 | NA | NA | NA |
| | | | Chloroform | 8240/60 | ug/l | 3.2 | < 10 | 11 | < 20 | < 20 | < 20 | < 30 | NA | NA | 50 | 57 | NA | NA | NA |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | 9.9 | 12 | 28 | < 20 | 46 | 36 | < 30 | NA | NA | 120 | 58 | NA | NA | NA |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | 9.5 | < 20 | 22 | 32 | 47 | 57 | < 50 | NA | NA | 230 | 400 | NA | NA | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | < 5 | < 20 | < 10 | < 30 | < 30 | < 30 | 61 | NA | NA | < 30 | < 120 | NA | NA | NA |
| | | | Tetrachloroethene | 8240/60 | ug/l | 170 | 200 | 620 | 990 | 1100 | 1200 | 810 | NA | NA | 2300 | 2800 | NA | NA | NA |
| | | | Trichloroethene | 8240/60 | ug/l | 400 | 570 | 1700 | 2600 | 2900 | 3200 | 2300 | NA | NA | 7400 | 8300 | NA | NA | NA |
| | XMW-03 | VOCs | Acetone | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 25 | 26 | NA | NA | NA | NA | NA | NA | (<10) |
| | | | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 2.9 | 3.8 | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Carbon Tetrachloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | (4.6) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | 9.4 | 2.1 | NA | NA | NA | NA | NA | NA | (200) |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 0.5 | 1.7 | NA | NA | NA | NA | NA | NA | (83) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 22 | 31 | NA | NA | NA | NA | NA | NA | (170) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 17 | 19 | NA | NA | NA | NA | NA | NA | (110) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | NA | NA | < 100 | < 100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XMW-03HD | VOCs | Acetone | 8240/60 | ug/l | NA | < 200 | < 50 | < 20 | < 50 | < 50 | < 15 | NA | NA | < 300 | < 50 | < 3.2 | < 10 | 28 |
| | | | Benzene | 8240/60 | ug/l | 1100 | 1000 | 500 | 170 | 440 | 210 | 41 | NA | NA | 2100 | 58 | 13 | 3.8 | 2.2 |
| | | | Chlorobenzene | 8010/21 | ug/l | < 10 | < 0.5 | < 5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 10 | < 20 | < 5 | < 2 | < 5 | < 5 | < 1 | NA | NA | < 30 | < 5.0 | 0.15 | < 1.0 | < 5.0 |
| | | | Chloroform | 8010/21 | ug/l | < 10 | 1.9 | < 5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5 | < 10 | < 3 | < 1 | < 3 | < 3 | < 0.5 | NA | NA | < 20 | < 5.0 | < 1.0 | 4.1 | 2.9 |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 10 | 0.77 | < 5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5 | < 10 | < 3 | < 1 | < 3 | < 3 | < 0.5 | NA | NA | < 20 | < 5.0 | < 1.0 | < 1.0 | < 5.0 |
| | | | Dichlorobromomethane | 8010/21 | ug/l | < 10 | < 0.5 | < 5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5 | < 10 | < 3 | < 1 | < 3 | < 3 | < 0.5 | NA | NA | < 20 | 16 | < 1.0 | 27 | < 5.0 |
| | | | Ethylbenzene | 8240/60 | ug/l | < 10 | < 20 | < 5 | < 2 | < 5 | < 5 | < 1 | NA | NA | < 30 | 2.4 | 0.72 | 1.6 | 1.4 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 10 | < 20 | < 5 | < 2 | < 5 | < 5 | < 1 | NA | NA | < 30 | < 5.0 | 0.15 | < 1.0 | < 5.0 |
| | | | Methyl Ethyl Ketone | 8240/60 | ug/l | < 50 | < 100 | < 30 | < 10 | < 30 | < 30 | 5.3 | NA | NA | < 200 | < 50 | < 2.0 | < 5.0 | < 50 |
| | | | Methyl isobutyl ketone (MIBK) | 8240/60 | ug/l | < 30 | 1100 | < 20 | < 6 | < 20 | < 20 | < 3 | NA | NA | < 80 | < 50 | < 2.0 | < 5.0 | < 50 |
| | | | Methylene chloride | 8010/21 | ug/l | < 10 | < 0.5 | < 5 | 0.98 | 1.4 | < 2 | < 2 | NA | NA | NA | NA | NA | NA | NA |

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## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | XMW-03HD | VOCs | Methylene chloride | 8240/60 | ug/l | < 10 | < 20 | < 5 | < 2 | < 5 | < 5 | < 1 | NA | NA | < 30 | < 25 | < 1.0 | < 1.0 | < 50 |
| | | | Naphthalene | 8240/60 | ug/l | < 10 | < 20 | < 5 | < 2 | < 5 | < 5 | < 1 | NA | NA | < 30 | < 5.0 | 0.22 | < 1.0 | < 50 |
| | | | Styrene | 8240/60 | ug/l | < 10 | < 20 | < 5 | < 2 | < 5 | < 5 | < 1 | NA | NA | < 30 | < 5.0 | 1.2 | < 1.0 | 1.9 |
| | | | 1,1,2,2-Tetrachloroethane | 8010/21 | ug/l | < 10 | < 0.5 | < 5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5 | < 10 | 3.9 | < 1 | < 3 | < 3 | < 0.5 | NA | NA | < 20 | < 5.0 | < 1.0 | < 1.0 | < 5.0 |
| | | | Tetrachloroethene | 8010/21 | ug/l | < 10 | < 0.5 | < 5 | < 0.5 | 0.59 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 10 | < 20 | < 5 | < 2 | < 5 | < 5 | < 1 | NA | NA | < 30 | < 5.0 | < 1.0 | < 1.0 | < 5.0 |
| | | | Toluene | 8240/60 | ug/l | < 10 | < 20 | < 5 | < 2 | < 5 | < 5 | < 1 | NA | NA | 58 | < 5.0 | 0.72 | 1.1 | < 5.0 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | < 10 | < 20 | < 5 | < 2 | < 5 | < 5 | < 1 | NA | NA | < 30 | 1.1 | 0.12 | 0.22 | < 5.0 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 10 | < 20 | < 5 | < 2 | < 5 | < 5 | < 1 | NA | NA | < 30 | 1.6 | 4.0 | 6.3 | 7.7 |
| | XMW-04 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (21) |
| | | | Carbon Tetrachloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (5.6) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3900) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1800) |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (6.3) |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.53) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (7.1) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1000) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (56) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (9100) |
| | XMW-04HD | VOCs | Benzene | 8240/60 | ug/l | 1300000 | 1200000 | 830000 | 1200000 | 930000 | 960000 | 980000 | NA | NA | 900000 | 800000 | 890000 | 670000 | 310000 |
| | | | Chloroform | 8010/21 | ug/l | 220 | < 3000 | < 500 | < 300 | < 200 | < 50 | < 500 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5000 | < 10000 | < 3000 | < 5000 | < 3000 | < 3000 | < 3000 | NA | NA | < 300 | < 10000 | < 25000 | < 10000 | < 10000 |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | < 50 | < 3000 | < 500 | < 300 | < 200 | < 50 | < 500 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 10000 | < 5000 | < 5000 | < 5000 | NA | NA | < 500 | < 5000 | < 25000 | 3400 | < 10000 |
| | XMW-05 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.2) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (480) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (24) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (62) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (210) |
| | | Pest/PCBs | o,p'-DDD | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.1) |
| | XMW-06 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (36) |
| | | | Carbon Tetrachloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (190) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (130) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1900) |

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory reporting limit. Concentrations in parentheses '()' generated by Hargis + Associates

# Table 3
# Time-Series Summary of Detected Groundwater Analytes
# Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | XMW-06 | VOCs | 1,1-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (130) |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (320) |
| | | | 1,2-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (34) |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (150) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (61) |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (71) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (8200) |
| | | | 1,1,2-Trichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (67) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1100) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (13000) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1.1) |
| | | | o,p'-DDD | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.17) |
| | | | delta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.6) |
| | | | gamma-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.4) |
| | XMW-08 | VOCs | Carbon Tetrachloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (5.2) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (5.1) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.6) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (4.5) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.1) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | XMW-09 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.5) |
| | | | Carbon Tetrachloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.9) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (320) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2200) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (88) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (40) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XMW-10 | VOCs | Benzene | 8240/60 | ug/l | < 3 | < 50 | < 0.5 | 0.55 | < 0.5 | < 0.5 | 2.6 | NA | NA | 1.4 | 1.1 | < 2.0 | < 1.0 | (<2) |
| | | | Chlorobenzene | 8240/60 | ug/l | 170 | 130 | 97 | 87 | 100 | 3.7 | 270 | NA | NA | 180 | 150 | 49 | 26 | (31) |
| | | | Chloroform | 8240/60 | ug/l | < 3 | < 50 | 1.1 | 20 | 1.7 | 2.5 | 1.4 | NA | NA | 1.2 | 1.1 | < 2.0 | 0.65 | (<2) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 5 | < 100 | < 1 | < 1 | < 1 | < 1 | < 2 | NA | NA | < 1 | 0.27 | < 2.0 | < 1.0 | (<2) |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | < 5 | < 100 | < 1 | < 1 | < 1 | < 1 | < 2 | NA | NA | < 1 | 0.68 | < 2.0 | < 1.0 | (<2) |
| | | | Tetrachloroethene | 8240/60 | ug/l | < 5 | < 100 | 2.2 | 2.4 | 2.0 | 1.5 | < 2 | NA | NA | 1.2 | 1.2 | < 2.0 | 1.1 | (<2) |
| | | | Trichloroethene | 8240/60 | ug/l | 11 | < 100 | 14 | 8.3 | 13 | 9.1 | 6.4 | NA | NA | 12 | 12 | 12 | 18 | (16) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Table | XMW-11 | VOCs | Acetone | 8240/60 | ug/l | < 200 | < 2000 | < 200 | < 100 | < 100 | 77 | < 100 | NA | NA | < 50 | < 120 | < 120 | < 250 | (<10) |
| | | | Benzene | 8240/60 | ug/l | < 10 | < 100 | < 10 | 8.9 | < 5 | < 3 | 7.2 | NA | NA | < 3 | 23 | 9.0 | 8.0 | (5.2) |
| | | | Chlorobenzene | 8240/60 | ug/l | 1400 | 900 | 1200 | 1200 | 850 | 780 | 510 | NA | NA | 570 | 770 | 920 | 1400 | (930) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 20 | < 200 | < 20 | < 10 | < 10 | < 5 | < 10 | NA | NA | < 5 | < 12 | < 50 | < 25 | (3.3) |
| | | | Tetrachloroethene | 8240/60 | ug/l | 100 | < 200 | 120 | 150 | 97 | 86 | 99 | NA | NA | 78 | 84 | 84 | 120 | (100) |
| | | | Trichloroethene | 8240/60 | ug/l | < 20 | < 200 | < 20 | 8.8 | < 10 | 5.2 | < 10 | NA | NA | < 5 | 4.8 | < 50 | 7.6 | (5.5) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | < 100 | < 100 | < 100 | < 100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.01) |
| | | | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.01) |
| | | | delta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.02) |
| | | | gamma-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.01) |
| | XMW-12 | VOCs | Acetone | 8240/60 | ug/l | < 500 | < 2000 | < 1000 | 1100 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | (<10) |
| | | | Benzene | 8240/60 | ug/l | 5300 | 4300 | 2000 | 6500 | 7200 | NA | 3300 | NA | NA | NA | NA | NA | NA | (580) |
| | | | Chlorobenzene | 8010/21 | ug/l | 6100 | 4900 | 3600 | 6600 | 4800 | NA | 3100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 4600 | 4100 | 2800 | 5300 | 6100 | NA | 2500 | NA | NA | NA | NA | NA | NA | (2800) |
| | | | Chloroform | 8010/21 | ug/l | < 50 | 15 | 30 | 160 | 180 | NA | 320 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | < 100 | < 50 | 210 | < 30 | NA | 210 | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Cyclohexane | 8240/60 | ug/l | < 500 | < 2000 | 390 | < 1000 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | 220 | 150 | 130 | 170 | 140 | NA | 63 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | < 100 | < 50 | < 50 | < 30 | NA | 84 | NA | NA | NA | NA | NA | NA | (88) |
| | | | 1,4-Dichlorobenzene | 8010/21 | ug/l | < 50 | 7.6 | < 20 | < 30 | < 20 | NA | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 100 | < 50 | NA | < 50 | NA | NA | NA | NA | NA | NA | (11) |
| | | | Ethylbenzene | 8240/60 | ug/l | 920 | 830 | 550 | 1300 | 1800 | NA | 430 | NA | NA | NA | NA | NA | NA | (54) |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 100 | < 50 | NA | < 50 | NA | NA | NA | NA | NA | NA | (5.8) |
| | | | Naphthalene | 8240/60 | ug/l | < 50 | < 200 | < 100 | 190 | 750 | NA | 190 | NA | NA | NA | NA | NA | NA | (9.6) |
| | | | n-Propylbenzene | 8240/60 | ug/l | < 50 | < 200 | < 100 | 120 | < 50 | NA | 58 | NA | NA | NA | NA | NA | NA | (6.5) |
| | | | Tetrachloroethene | 8010/21 | ug/l | < 50 | < 5 | < 20 | < 30 | < 20 | NA | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 100 | < 50 | NA | < 50 | NA | NA | NA | NA | NA | NA | (2.3) |
| | | | Toluene | 8240/60 | ug/l | < 50 | < 200 | < 100 | 910 | 2000 | NA | 1500 | NA | NA | NA | NA | NA | NA | (20) |
| | | | Trichloroethene | 8010/21 | ug/l | < 50 | < 5 | < 20 | < 30 | < 20 | NA | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 100 | < 50 | NA | < 50 | NA | NA | NA | NA | NA | NA | (5.3) |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | 690 | 640 | 410 | 290 | 920 | NA | 310 | NA | NA | NA | NA | NA | NA | (23) |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | < 50 | < 200 | < 100 | 260 | < 50 | NA | < 50 | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | 510 | 500 | 180 | 820 | 2200 | NA | 810 | NA | NA | NA | NA | NA | NA | (20) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | 18000 | 32000 | NA | 12000 | NA | NA | NA | NA | NA | NA | NA |

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# Table 3
# Time-Series Summary of Detected Groundwater Analytes
# Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | XMW-12 | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (8900) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.01) |
| | | | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.05) |
| | XMW-13 | VOCs | Acetone | 8240/60 | ug/l | < 2000 | < 2000 | < 1000 | < 1000 | < 1000 | 2700 | < 1000 | NA | NA | < 1000 | < 2500 | < 1000 | < 1200 | (<200) |
| | | | Benzene | 8240/60 | ug/l | 18000 | 14000 | 14000 | 20000 | 17000 | 12000 | 17000 | NA | NA | 14000 | 12000 | 10000 | 9600 | (8700) |
| | | | sec-Butylbenzene | 8240/60 | ug/l | < 200 | < 200 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | < 100 | NA | NA | < 120 | (770) |
| | | | Chlorobenzene | 8010/21 | ug/l | 2400 | 2500 | 3200 | 4200 | 3000 | 4500 | 4100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 2400 | 2100 | 2500 | 3000 | 2900 | 2200 | 2900 | NA | NA | 6400 | 7300 | 7700 | 7100 | (11000) |
| | | | Chloroform | 8010/21 | ug/l | 1100 | 500 | 970 | 1100 | 490 | 600 | 980 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 770 | 630 | 580 | 780 | 540 | 420 | 510 | NA | NA | 240 | 220 | < 500 | 330 | (160) |
| | | | Cyclohexane | 8240/60 | ug/l | < 2000 | < 2000 | < 1000 | < 1000 | 310 | < 1000 | < 1000 | NA | NA | < 1000 | < 2500 | < 1000 | NA | NA |
| | | | Dibromochloromethane | 8010/21 | ug/l | < 50 | 34 | < 30 | < 20 | 95 | < 50 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 200 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | < 100 | < 250 | < 500 | < 120 | (<40) |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | 270 | 290 | 340 | 390 | 330 | 240 | 470 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 100 | < 100 | 540 | < 50 | < 50 | 320 | 410 | NA | NA | < 50 | 440 | < 500 | < 120 | (57) |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | < 50 | < 5 | < 30 | < 20 | < 30 | < 50 | 57 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 200 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | < 100 | < 120 | < 500 | < 120 | (44) |
| | | | Ethylbenzene | 8240/60 | ug/l | 1800 | 1400 | 1800 | 1700 | 1500 | 640 | 880 | NA | NA | 930 | 1200 | 1100 | 810 | (1000) |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 200 | < 200 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | < 100 | < 250 | < 500 | 40 | (56) |
| | | | Methylene chloride | 8010/21 | ug/l | < 50 | 20 | < 30 | 25 | < 65 | < 200 | < 100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 200 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | < 100 | 26 | < 500 | < 120 | (<100) |
| | | | Naphthalene | 8240/60 | ug/l | < 200 | 520 | 1200 | 670 | 610 | 360 | 570 | NA | NA | 270 | 430 | 290 | 320 | (500) |
| | | | | 8270 | ug/l | 610 | 620 | 450 | 400 | 400 | 510 | 340 | NA | NA | NA | NA | NA | NA | NA |
| | | | n-Propylbenzene | 8240/60 | ug/l | < 200 | < 200 | 210 | 180 | 160 | < 100 | 150 | NA | NA | 120 | < 250 | < 500 | 120 | (150) |
| | | | tert-Butylbenzene | 8240/60 | ug/l | < 200 | < 200 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | 110 | < 250 | < 500 | < 120 | (<100) |
| | | | Tetrachloroethene | 8010/21 | ug/l | 72 | 86 | 120 | 94 | < 30 | < 50 | 80 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 200 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | < 100 | 170 | < 500 | 300 | (340) |
| | | | Toluene | 8240/60 | ug/l | 6400 | 4600 | 5400 | 7500 | 7200 | 6300 | 8500 | NA | NA | 2400 | 2500 | 2100 | 2400 | (1800) |
| | | | Trichloroethene | 8010/21 | ug/l | 690 | 610 | 740 | 770 | 480 | 730 | 500 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 740 | 520 | 540 | 470 | 370 | 200 | 230 | NA | NA | 380 | 480 | 480 | 760 | (480) |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | 1600 | 1500 | 1800 | 1600 | 1400 | 850 | 1400 | NA | NA | 1100 | 1400 | 1200 | 1200 | (1000) |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | 1100 | 820 | < 100 | 1000 | 770 | < 100 | < 100 | NA | NA | 270 | 310 | < 500 | 210 | (170) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | 5100 | 3900 | 3100 | 5000 | 4700 | 2400 | 3200 | NA | NA | 2200 | 2000 | 1800 | 1600 | (1100) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | 30000 | 42000 | 47000 | 52000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (37000) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.8) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Table | XMW-13 | Pest/PCBs | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.68) |
| | | | delta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.71) |
| | XMW-14 | VOCs | Acetone | 8240/60 | ug/l | < 500 | < 2000 | < 1000 | < 500 | < 100 | 300 | < 500 | NA | NA | < 500 | 460 | < 1000 | < 500 | (<10) |
| | | | Benzene | 8240/60 | ug/l | < 30 | 7400 | 6600 | 4000 | 980 | 1200 | 7000 | NA | NA | 7900 | 3800 | 4300 | 4400 | (3300) |
| | | | sec-Butylbenzene | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 50 | < 10 | < 10 | < 50 | NA | NA | < 50 | NA | NA | < 50 | (6.9) |
| | | | Chlorobenzene | 8010/21 | ug/l | 180 | 230 | 300 | 220 | 120 | 150 | 470 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 220 | 220 | 230 | 150 | 130 | 97 | 320 | NA | NA | 350 | 240 | 400 | 340 | (160) |
| | | | Chloroform | 8010/21 | ug/l | < 50 | 5.6 | < 30 | < 3 | < 1 | < 5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | < 100 | < 50 | < 30 | < 5 | < 5 | < 30 | NA | NA | < 30 | 8.5 | < 500 | < 50 | (<2) |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 50 | < 5 | < 30 | < 3 | 1.3 | < 5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | < 100 | < 50 | < 30 | < 5 | < 5 | < 30 | NA | NA | < 30 | < 50 | < 500 | < 50 | (<5) |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | 670 | 550 | 730 | 820 | 290 | 490 | 760 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 610 | < 100 | < 50 | 630 | 360 | 360 | 630 | NA | NA | 900 | 620 | 490 | < 50 | (230) |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | < 50 | < 5 | < 30 | 14 | 24 | 17 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 50 | 17 | < 10 | < 50 | NA | NA | < 50 | 54 | < 500 | 53 | (39) |
| | | | Ethylbenzene | 8240/60 | ug/l | 570 | 700 | 740 | 440 | 110 | 83 | 430 | NA | NA | 780 | 430 | 370 | 580 | (630) |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 50 | < 10 | < 10 | < 50 | NA | NA | < 50 | < 50 | < 500 | 26 | (34) |
| | | | p-Isopropyltoluene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.2) |
| | | | Naphthalene | 8240/60 | ug/l | 170 | < 200 | 360 | < 120 | 34 | 39 | 180 | NA | NA | 190 | 4200 | < 500 | 74 | (78) |
| | | | | 8270 | ug/l | 180 | 270 | 130 | 100 | 27 | 32 | 120 | NA | NA | NA | NA | NA | NA | NA |
| | | | n-Propylbenzene | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 50 | < 10 | < 10 | 53 | NA | NA | 66 | < 50 | < 500 | 69 | (61) |
| | | | Tetrachloroethene | 8010/21 | ug/l | < 50 | < 5 | < 30 | 13 | 8.9 | 11 | 14 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 50 | < 10 | < 10 | < 50 | NA | NA | < 50 | 15 | < 500 | < 50 | (14) |
| | | | Toluene | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 50 | 6.5 | < 10 | < 58 | NA | NA | < 50 | 15 | < 500 | 28 | (15) |
| | | | 1,1,2-Trichloroethane | 8010/21 | ug/l | < 50 | < 5 | < 30 | < 3 | 1.1 | < 5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | < 100 | < 50 | < 30 | < 5 | < 5 | < 30 | NA | NA | < 30 | < 50 | < 500 | < 50 | (<2) |
| | | | Trichloroethene | 8010/21 | ug/l | 60 | 100 | 110 | 180 | 67 | 140 | 120 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 72 | < 200 | < 100 | 96 | 62 | 71 | 110 | NA | NA | 190 | 140 | < 500 | 100 | (59) |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | 290 | 340 | 400 | 130 | 39 | 22 | 300 | NA | NA | 310 | 100 | < 500 | 120 | (200) |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | 66 | < 200 | < 100 | < 50 | < 10 | < 10 | < 50 | NA | NA | < 50 | 20 | < 500 | < 50 | (87) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | 420 | 410 | 270 | 180 | 74 | 23 | 190 | NA | NA | 290 | 81 | < 500 | < 50 | (270) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | 1000 | 96 | 400 | 1200 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2400) |
| | | Pest/PCBs | 4,4'-DDE | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.07) |
| | XMW-16 | VOCs | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (15) |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.2) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Table | XMW-16 | VOCs | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (50) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (950) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XMW-17 | VOCs | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.5) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (42) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.0056) |
| | | | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.02) |
| | XMW-19 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.3) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (68) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (6.9) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | XMW-21 | VOCs | Benzene | 8240/60 | ug/l | 81000 | 5800 | 14000 | 43000 | 48000 | 4100 | 1500 | 17000 | 24000 | 740 | 3300 | 4300 | 2200 | 1000 |
| | | | n-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 310 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | < 2000 | < 500 | 380 | < 500 | 580 | < 100 | 360 | 610 | 960 | 580 | NA | NA | 620 | 730 |
| | | | Carbon disulfide | 8240/60 | ug/l | < 4000 | < 1000 | < 400 | < 1000 | < 1000 | < 200 | < 100 | < 400 | < 500 | < 200 | < 2500 | < 1000 | < 250 | 35 |
| | | | Chloroethane | 8010/21 | ug/l | 70 | < 30 | < 50 | < 50 | < 50 | < 0.5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 2000 | < 500 | < 200 | < 500 | < 500 | < 100 | < 50 | < 200 | < 300 | < 100 | < 500 | < 500 | < 500 | < 50 |
| | | | Ethylbenzene | 8240/60 | ug/l | 20000 | 10000 | 12000 | 31000 | 39000 | 23000 | 6500 | 35000 | 25000 | 11000 | 10000 | 16000 | 14000 | 12000 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 2000 | < 500 | < 200 | < 500 | < 500 | < 100 | 180 | 410 | 450 | 280 | 260 | 180 | 220 | 230 |
| | | | n-Propylbenzene | 8240/60 | ug/l | < 2000 | < 500 | < 200 | < 500 | < 500 | < 100 | < 50 | < 200 | < 300 | 210 | 250 | 180 | 190 | 230 |
| | | | Toluene | 8240/60 | ug/l | < 2000 | < 500 | < 200 | 8500 | < 500 | < 100 | < 50 | < 200 | < 300 | < 100 | < 250 | < 500 | < 250 | < 50 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | < 2000 | < 500 | < 200 | 1700 | < 500 | < 100 | < 50 | < 200 | < 300 | < 100 | < 250 | < 500 | < 250 | < 50 |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | < 2000 | < 500 | < 200 | < 500 | < 500 | < 100 | 110 | < 200 | < 300 | < 100 | < 250 | < 500 | < 250 | < 50 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 2000 | < 500 | < 200 | 7400 | < 500 | < 100 | < 50 | < 200 | < 300 | < 100 | < 250 | < 500 | < 250 | < 50 |
| | XMW-22 | VOCs | Carbon Tetrachloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (4) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (35) |
| | | | 1,1,2-Trichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (110) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.5) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XMW-23 | VOCs | Benzene | 8240/60 | ug/l | < 0.5 | 11 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | XMW-24 | VOCs | Chloroform | 8240/60 | ug/l | NA | NA | NA | < 0.5 | 0.60 | NA | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 0.43 | < 1.0 | 0.36 | NA |
| | XMW-25 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (240) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (340) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Water Table | XMW-25 | VOCs | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (14) |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1.9) |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (8.9) |
| | | | Isopropylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (12) |
| | | | p-Isopropyltoluene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.3) |
| | | | Naphthalene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (22) |
| | | | n-Propylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (11) |
| | | | Toluene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (22) |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (43) |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (12) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (79) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (4000) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.12) |
| | XMW-26 | VOCs | All Analytes | | | NA | NA | NA | ND | ND | NA | ND | NA | NA | NA | NA | NA | NA | (ND) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XMW-27 | VOCs | Acetone | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 10 | < 10 | < 10 | 29 | < 2.0 | < 10 | (<10) |
| | | | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | 10 | 17 | 5.6 | 5.4 | 10 | 22 | (2.6) |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | NA | NA | 0.30 | (<5) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | 1.3 | < 1 | 0.95 | 2.5 | 3.1 | (<2) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | 0.19 | 0.91 | < 1.0 | (<2) |
| | | | Cyclohexane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | 13 | < 10 | < 10 | < 10 | 8.5 | NA | NA |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | 0.14 | < 1.0 | < 1.0 | (<5) |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | < 1.0 | 0.51 | < 1.0 | (<0.5) |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | 1.4 | < 1 | 0.74 | 1.2 | 1.4 | (<2) |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1.0 | 1.3 | 1.3 | (<2) |
| | | | Isopropylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | 0.17 | 0.76 | 0.79 | (<2) |
| | | | n-Propylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1.0 | 1.2 | 0.91 | (<2) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | 0.32 | 1.4 | 1.3 | (<2) |
| | | | Toluene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1.0 | < 1.0 | 1.4 | (<2) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | 5.2 | 10 | 2.1 | 6.5 | 13 | 17 | (17) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | 1.2 | 1.3 | < 1.0 | < 1.0 | 0.59 | (<2) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XMW-28 | VOCs | Benzene | 8240/60 | ug/l | 74000 | 47000 | 88000 | 61000 | 120000 | 130000 | 160000 | 150000 | 170000 | 140000 | 72000 | 100000 | 69000 | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | 1200 | < 100 | < 500 | < 1000 | 960 | < 2000 | 3100 | 1500 | 1500 | 1400 | 1100 | 1400 | 820 | NA |

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# Table 3
# Time-Series Summary of Detected Groundwater Analytes
# Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | XMW-28 | VOCs | Isopropylbenzene | 8240/60 | ug/l | < 500 | 360 | < 500 | < 1000 | < 1000 | < 2000 | < 3000 | < 1000 | < 1000 | < 1000 | 340 | < 5000 | < 1000 | NA |
| | XMW-29 | VOCs | Benzene | 8240/60 | ug/l | 26000 | 21000 | 55000 | 3700 | 6600 | 24000 | 96000 | 150000 | 180000 | 240000 | 5700 | 110000 | 420000 | 580000 |
| | | | Chlorobenzene | 8010/21 | ug/l | < 50 | < 30 | < 100 | < 3 | 28 | < 0.5 | < 50 | NA | NA | NA | < 1.0 | < 2000 | < 10000 | NA |
| | | | | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | 2300 | < 120 | < 5000 | < 5000 | < 250 |
| | | | Ethylbenzene | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | < 2000 | < 120 | < 5000 | < 5000 | 59 |
| | | | Methylene chloride | 8010/21 | ug/l | < 50 | < 30 | < 100 | < 3 | < 10 | 6.8 | < 200 | NA | NA | NA | < 5.0 | < 10000 | < 50000 | NA |
| | | | | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | < 2000 | < 620 | < 5000 | < 5000 | < 500 |
| | | | Naphthalene | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 500 | < 500 | < 1000 | < 1000 | < 2000 | < 120 | < 5000 | < 5000 | 5.2 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | Styrene | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | < 2000 | < 120 | < 5000 | < 5000 | 120 |
| | | | Toluene | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | < 2000 | < 120 | < 5000 | < 5000 | 550 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | < 2000 | < 120 | < 5000 | < 5000 | 25 |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | < 2000 | < 120 | < 5000 | < 5000 | 6.4 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | < 2000 | < 120 | < 10000 | < 5000 | 150 |
| | XMW-30 | VOCs | Benzene | 8240/60 | ug/l | < 0.5 | 2.2 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 3.9 | < 0.5 | < 0.5 | < 0.5 | 0.50 | 3.8 | < 1.0 | (<2) |
| | | | Methyl Ethyl Ketone | 8240/60 | ug/l | < 5 | < 5 | 6.3 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 10 | < 2.0 | < 5.0 | (<10) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | < 100 | < 100 | < 100 | < 100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XOW-01 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 20 |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 21 |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3.0 |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3.9 |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 14 |
| | | | trans-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 8.7 |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.67 |
| | | | Freon 11 | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 12 |
| | | | Freon 12 | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 5.3 |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 170 |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1300 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.19 |
| | XOW-02 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3.4 |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 19 |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.7 |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 37 |
| | | | trans-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 4.5 |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | XOW-02 | VOCs | Freon 11 | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 8.7 |
| | | | Freon 12 | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 5.4 |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 410 |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3100 |
| | XOW-03 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 94 |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 8.2 |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2.3 |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.8 |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 29 |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 9.7 |
| | | | Freon 11 | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2.4 |
| | | | Freon 12 | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2.1 |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 130 |
| | | | Toluene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.1 |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1100 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.46 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3.3 |
| | XOW-04 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.38 |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 16 |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2.5 |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 6.0 |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 83 |
| | | | trans-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.2 |
| | | | Freon 11 | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3.4 |
| | | | Freon 12 | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3.4 |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 400 |
| | | | 1,1,2-Trichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.6 |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2000 |
| | XOW-05 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2.0 |
| | | | Carbon Tetrachloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.75 |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.56 |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 22 |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3.9 |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 36 |
| | | | 1,2-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.52 |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.40 |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | XOW-05 | VOCs | Dichlorobromomethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.76 |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 190 |
| | | | trans-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.7 |
| | | | Freon 11 | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 4.2 |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2300 |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 6400 |
| | XOW-06 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 15 |
| | | | Carbon Tetrachloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.74 |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.47 |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 74 |
| | | | Dibromochloromethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.56 |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 5.9 |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 22 |
| | | | 1,2-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 11 |
| | | | 1,3-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.88 |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.2 |
| | | | Dichlorobromomethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.77 |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 250 |
| | | | trans-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 5.6 |
| | | | Freon 11 | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 8.2 |
| | | | Freon 12 | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 7.1 |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 4000 |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 12000 |
| | XP-02 | VOCs | Benzene | 8240/60 | ug/l | 37 | 0.78 | 0.80 | 0.60 | < 0.5 | 0.92 | 9.1 | NA | NA | < 0.5 | 0.41 | < 2.0 | < 1.0 | < 0.50 |
| | | | Chlorobenzene | 8010/21 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 1.8 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 2.0 | < 1.0 | < 1.0 |
| | | | 1,1-Dichloroethane | 8010/21 | ug/l | 0.50 | < 0.5 | < 0.5 | 0.93 | 1.5 | 0.58 | 0.59 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | 1.2 | < 1 | 1.3 | 1.3 | NA | NA | < 1 | 0.99 | < 2.0 | 0.37 | < 1.0 |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 0.5 | 0.60 | < 0.5 | 1.5 | 2.6 | 1.5 | 2.6 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 0.99 | 1.1 | < 0.5 | 2.2 | 2.0 | 2.6 | 3.1 | NA | NA | 2.4 | 3.2 | 2.7 | 2.3 | 1.7 |
| | | | 1,3-Dichlorobenzene | 8010/21 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.62 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.50 | < 2.0 | < 1.0 | < 1.0 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,4-Dichlorobenzene | 8010/21 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | 0.29 | < 1.0 | < 1.0 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |

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| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Water Table | XP-02 | VOCs | Isopropylbenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.27 | < 2.0 | < 1.0 | < 1.0 |
| | | | Naphthalene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | 1.4 | < 1 | NA | NA | < 1 | < 1.0 | < 2.0 | < 1.0 | < 10 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | Tetrachloroethene | 8010/21 | ug/l | 21 | 27 | 20 | 81 | 77 | 85 | 120 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 20 | 19 | 16 | 68 | 75 | 84 | 80 | NA | NA | 69 | 64 | 37 | 32 | 17 |
| | | | Toluene | 8240/60 | ug/l | < 1 | < 1 | 0.70 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 2.0 | < 1.0 | < 1.0 |
| | | | 1,1,1-Trichloroethane | 8010/21 | ug/l | 0.80 | < 0.5 | < 0.5 | 1.4 | 0.63 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 2.0 | < 1.0 | < 1.0 |
| | | | Trichloroethene | 8010/21 | ug/l | < 0.5 | < 0.5 | < 0.5 | 0.82 | 1.3 | < 0.5 | 0.55 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 1.0 | NA | NA | < 1 | 1.2 | 1.1 | 1.6 | 1.4 |
| MBFB | PZL0021 | VOCs | Benzene | 8240/60 | ug/l | 11000 | 29000 | 35000 | 23000 | 17800 | 23000 | 28000 | NA | NA | 96000 | 110000 | 97000 | 99000 | 200000 |
| | | | Carbon disulfide | 8240/60 | ug/l | NA | < 1000 | < 400 | < 400 | < 400 | < 500 | < 500 | NA | NA | < 1000 | < 12000 | < 10000 | < 1000 | 380 |
| | | | Chlorobenzene | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | < 30 | 11 | < 30 | NA | NA | < 30 | 12 | < 500 | < 5000 | NA |
| | | | | 8240/60 | ug/l | < 100 | < 500 | < 200 | < 200 | < 200 | < 300 | < 300 | NA | NA | < 500 | < 1200 | < 5000 | < 1000 | < 500 |
| | | | 1,1-Dichloroethane | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | < 30 | < 5 | < 30 | NA | NA | < 30 | 0.16 | < 500 | < 5000 | NA |
| | | | | 8240/60 | ug/l | < 100 | < 500 | < 200 | < 200 | < 200 | < 300 | < 300 | NA | NA | < 500 | < 1200 | < 5000 | < 1000 | < 500 |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | < 30 | < 5 | < 30 | NA | NA | < 30 | 0.26 | < 500 | < 5000 | NA |
| | | | | 8240/60 | ug/l | < 50 | < 300 | < 100 | < 100 | < 100 | < 200 | < 200 | NA | NA | < 300 | < 1200 | < 5000 | < 1000 | < 500 |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | 70 | 44 | < 30 | NA | NA | 40 | < 1.0 | < 500 | < 5000 | NA |
| | | | | 8240/60 | ug/l | < 50 | < 300 | < 100 | < 100 | < 100 | < 200 | < 200 | NA | NA | < 300 | < 1200 | < 5000 | < 1000 | < 250 |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | < 30 | < 5 | < 30 | NA | NA | < 30 | 3.8 | < 500 | NA | NA |
| | | | | 8240/60 | ug/l | < 100 | < 500 | < 200 | < 200 | < 200 | < 300 | < 300 | NA | NA | < 500 | < 620 | < 5000 | < 1000 | < 500 |
| | | | trans-1,2-Dichloroethene | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | < 30 | < 5 | < 30 | NA | NA | < 30 | 0.54 | < 500 | < 5000 | NA |
| | | | | 8240/60 | ug/l | < 100 | < 500 | < 200 | < 200 | < 200 | < 300 | < 300 | NA | NA | < 500 | < 620 | < 5000 | < 1000 | < 500 |
| | | | Freon 11 | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | < 30 | < 5 | < 30 | NA | NA | < 30 | 0.15 | < 500 | < 5000 | NA |
| | | | | 8240/60 | ug/l | < 100 | < 500 | < 200 | < 200 | < 200 | < 300 | < 300 | NA | NA | < 500 | < 2500 | < 5000 | < 2000 | < 5000 |
| | | | Methylene chloride | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | < 100 | < 20 | < 100 | NA | NA | < 100 | < 5.0 | < 2500 | < 25000 | NA |
| | | | | 8240/60 | ug/l | < 100 | < 500 | < 200 | 740 | < 200 | 280 | < 300 | NA | NA | < 500 | < 6200 | < 5000 | < 1000 | < 5000 |
| | | | Toluene | 8240/60 | ug/l | 310 | 530 | 860 | 260 | 250 | < 300 | < 300 | NA | NA | 540 | 730 | < 5000 | 500 | 1400 |
| | | | Trichloroethene | 8010/21 | ug/l | < 50 | < 50 | < 500 | < 30 | 38 | 31 | 31 | NA | NA | 39 | 16 | < 500 | < 5000 | NA |
| | | | | 8240/60 | ug/l | < 100 | < 500 | < 200 | < 200 | < 200 | < 300 | < 300 | NA | NA | < 500 | < 1200 | < 5000 | < 1000 | < 500 |
| | SWL0002 | VOCs | Benzene | 8240/60 | ug/l | 170000 | 250000 | 180000 | 270000 | 240000 | 310000 | 290000 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 30 | < 50 | < 500 | < 100 | 33 | 7.5 | < 200 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 500 | < 5000 | < 5000 | < 1000 | < 1000 | < 20000 | < 1000 | NA | NA | NA | NA | NA | NA | NA |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | < 30 | < 50 | < 500 | < 100 | 45 | 43 | < 200 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 10000 | < 10000 | < 2000 | < 2000 | < 30000 | < 2000 | NA | NA | NA | NA | NA | NA | NA |

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| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFB | SWL0002 | VOCs | Tetrachloroethene | 8010/21 | ug/l | < 30 | < 50 | < 500 | < 100 | 240 | 95 | < 200 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 10000 | < 10000 | < 2000 | < 2000 | < 30000 | < 2000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Trichloroethene | 8010/21 | ug/l | < 30 | 230 | < 500 | 230 | 680 | 220 | 400 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 10000 | < 10000 | < 2000 | < 2000 | < 30000 | < 2000 | NA | NA | NA | NA | NA | NA | NA |
| | SWL0003 | VOCs | Benzene | 8240/60 | ug/l | 570000 | 470000 | 340000 | 430000 | 350000 | 330000 | 340000 | NA | NA | NA | NA | NA | NA | 150000 |
| | | | 1,1-Dichloroethane | 8010/21 | ug/l | < 30 | < 50 | < 500 | < 100 | < 200 | < 5 | < 300 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5000 | < 10000 | < 10000 | < 5000 | < 5000 | < 3000 | < 2000 | NA | NA | NA | NA | NA | NA | 32 |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 30 | < 50 | < 500 | < 100 | < 200 | 11 | < 300 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 3000 | < 5000 | < 5000 | < 3000 | < 3000 | < 2000 | < 1000 | NA | NA | NA | NA | NA | NA | 89 |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | 29 | < 50 | < 500 | < 100 | < 200 | < 5 | < 300 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5000 | < 10000 | < 10000 | < 5000 | < 5000 | < 3000 | < 2000 | NA | NA | NA | NA | NA | NA | 68 |
| | | | trans-1,2-Dichloroethene | 8010/21 | ug/l | < 30 | < 50 | < 500 | < 100 | < 200 | < 5 | < 300 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5000 | < 10000 | < 10000 | < 5000 | < 5000 | < 3000 | < 2000 | NA | NA | NA | NA | NA | NA | 36 |
| | | | Styrene | 8240/60 | ug/l | < 5000 | < 10000 | < 10000 | < 5000 | < 5000 | < 3000 | < 2000 | NA | NA | NA | NA | NA | NA | 29 |
| | | | Tetrachloroethene | 8010/21 | ug/l | 140 | < 50 | < 500 | < 100 | < 200 | 13 | < 300 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5000 | < 10000 | < 10000 | < 5000 | < 5000 | < 3000 | < 2000 | NA | NA | NA | NA | NA | NA | 940 |
| | | | Toluene | 8240/60 | ug/l | < 5000 | < 10000 | < 10000 | < 5000 | < 5000 | < 3000 | < 2000 | NA | NA | NA | NA | NA | NA | 18 |
| | | | Trichloroethene | 8010/21 | ug/l | 660 | < 50 | < 500 | < 100 | < 200 | 7.3 | < 300 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 5000 | < 10000 | < 10000 | < 5000 | < 5000 | < 3000 | < 2000 | NA | NA | NA | NA | NA | NA | 3900 |
| | SWL0004 | VOCs | Benzene | 8240/60 | ug/l | 1500000 | 1400000 | 900000 | 2200000 | 1400000 | 1200000 | 1700000 | 920000 | NA | 870000 | 870000 | 950000 | 820000 | 610000 |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 30 | < 500 | < 500 | < 100 | < 200 | < 30 | < 300 | < 300 | NA | < 500 | 0.97 | < 500 | < 10000 | NA |
| | | | | 8240/60 | ug/l | < 5000 | < 10000 | < 3000 | < 10000 | < 10000 | < 5000 | < 5000 | < 5000 | NA | < 3000 | < 12000 | < 25000 | < 12000 | < 5.0 |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | < 30 | < 500 | < 500 | < 100 | < 200 | < 30 | < 300 | < 300 | NA | < 500 | 6.4 | < 500 | NA | NA |
| | | | | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 6200 | < 25000 | < 12000 | 7.4 |
| | | | Ethylbenzene | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 1200 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 23 |
| | | | Naphthalene | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 20 |
| | | | n-Propylbenzene | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 5.9 |
| | | | Styrene | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 780 |
| | | | Tetrachloroethene | 8010/21 | ug/l | 160 | < 500 | < 500 | < 100 | < 200 | < 30 | < 300 | < 300 | NA | < 500 | 12 | < 500 | < 10000 | NA |
| | | | | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 55 |
| | | | Toluene | 8240/60 | ug/l | < 10000 | < 20000 | 7200 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | 5600 | < 12000 | < 25000 | < 12000 | 1300 |
| | | | Trichloroethene | 8010/21 | ug/l | 870 | < 500 | < 500 | < 100 | < 200 | < 30 | < 300 | < 300 | NA | < 500 | < 2.5 | < 500 | < 10000 | NA |
| | | | | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 37 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 10000 | < 20000 | < 5000 | < 20000 | < 20000 | < 10000 | < 10000 | < 10000 | NA | < 5000 | < 12000 | < 25000 | < 12000 | 28 |
| | SWL0010 | VOCs | Carbon disulfide | 8240/60 | ug/l | NA | < 2 | < 2 | < 2 | < 2 | 3.0 | < 2 | NA | NA | NA | NA | NA | NA | NA |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFB | SWL0011 | VOCs | Chloroform | 8240/60 | ug/l | 20 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 1.0 | < 1.0 | NA | NA |
| | | | Freon 11 | 8240/60 | ug/l | 2.2 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 2.0 | < 1.0 | NA | NA |
| | SWL0019 | VOCs | Benzene | 8240/60 | ug/l | < 0.5 | < 0.5 | 0.59 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | Carbon disulfide | 8240/60 | ug/l | NA | 12 | < 2 | < 2 | 8.7 | < 2 | < 2 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | < 1 | < 1 | 1.0 | < 1 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA |
| | | | Vinyl chloride | 8240/60 | ug/l | < 0.5 | < 0.5 | < 2.0 | 1.4 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | SWL0023 | VOCs | Ethylbenzene | 8240/60 | ug/l | 2.4 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 1.0 | < 1.0 | < 10 |
| | | | Methyl isobutyl ketone (MIBK) | 8240/60 | ug/l | < 3 | 480 | < 3 | < 3 | < 3 | < 3 | < 3 | NA | NA | < 3 | < 10 | < 2.0 | < 5.0 | < 100 |
| | | | Toluene | 8240/60 | ug/l | 1.2 | < 0.5 | < 0.5 | 4.1 | 6.4 | 3.5 | 5.5 | NA | NA | < 1 | < 1.0 | < 1.0 | < 1.0 | < 10 |
| | SWL0029 | VOCs | Benzene | 8240/60 | ug/l | < 0.5 | 0.92 | 1.1 | 1.1 | 1.7 | 0.88 | 0.75 | NA | NA | < 2 | 1.1 | 1.3 | 1.7 | < 2.5 |
| | | | Chloroform | 8240/60 | ug/l | < 3 | < 5 | < 5 | < 5 | < 3 | < 5 | 3.3 | NA | NA | < 5 | < 50 | < 100 | < 50 | 10 |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | < 5 | < 10 | < 10 | < 10 | < 5 | < 10 | < 5 | NA | NA | < 10 | < 50 | < 100 | < 50 | 4.2 |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | < 3 | 12 | 9.6 | < 5 | 9.0 | < 5 | 11 | NA | NA | < 5 | 14 | < 100 | 22 | 36 |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | 12 | 13 | 10 | 12 | 13 | 14 | 23 | NA | NA | < 10 | 29 | 27 | 43 | 46 |
| | | | Freon 11 | 8240/60 | ug/l | < 5 | < 10 | < 10 | < 10 | < 5 | < 10 | < 5 | NA | NA | < 10 | < 100 | < 100 | < 100 | 10 |
| | | | Freon 12 | 8240/60 | ug/l | < 30 | < 50 | < 50 | < 50 | < 30 | < 50 | < 30 | NA | NA | < 50 | < 100 | < 100 | < 100 | 4.8 |
| | | | Tetrachloroethene | 8240/60 | ug/l | 300 | 280 | 240 | 230 | 290 | 240 | 350 | NA | NA | 270 | 520 | 370 | 900 | 960 |
| | | | Trichloroethene | 8240/60 | ug/l | 750 | 980 | 630 | 790 | 800 | 730 | 1100 | NA | NA | 1100 | 1700 | 1300 | 2600 | 3100 |
| | SWL0037 | VOCs | sec-Butylbenzene | 8240/60 | ug/l | 10 | 9.3 | 14 | 11 | 11 | 8.8 | 10 | NA | NA | 5.6 | NA | NA | 15 | 5.9 |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 1.0 | < 1.0 | 0.23 | < 1.0 |
| | | | Isopropylbenzene | 8240/60 | ug/l | 1.0 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.53 | 1.4 | 1.7 | 0.67 |
| | | | Tetrachloroethene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.22 | < 1.0 | < 1.0 | 0.45 |
| | SWL0041 | VOCs | Benzene | 8240/60 | ug/l | 13000 | 14000 | 1300 | 12000 | 12000 | 8100 | 8500 | NA | NA | 5900 | 1600 | 330 | 550 | 22000 |
| | | | Bromochloromethane | 8010/21 | ug/l | NA | 21.6 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 1000 |
| | | | Chlorobenzene | 8010/21 | ug/l | 3.7 | < 30 | < 50 | < 20 | < 10 | < 5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 200 | < 20 | < 100 | < 1000 | < 50 | < 50 | NA | NA | < 50 | < 25 | 3.2 | < 10 | < 1000 |
| | | | Chloroform | 8010/21 | ug/l | 2.4 | < 30 | < 50 | < 20 | < 10 | < 5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 100 | < 100 | < 10 | < 50 | < 500 | < 30 | < 30 | NA | NA | < 30 | < 25 | < 25 | < 10 | < 1000 |
| | | | Dibromochloromethane | 8010/21 | ug/l | 3.7 | < 30 | < 50 | < 20 | < 10 | < 5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 200 | < 20 | < 100 | < 1000 | < 50 | < 50 | NA | NA | < 50 | < 25 | < 25 | < 10 | < 1000 |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | 8.3 | < 30 | < 50 | < 20 | 28 | < 5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 100 | < 100 | < 10 | < 50 | < 500 | < 30 | < 30 | NA | NA | < 30 | < 25 | NA | < 10 | < 500 |
| | | | Ethylbenzene | 8240/60 | ug/l | 500 | 410 | 36 | 290 | 3200 | 130 | 240 | NA | NA | 100 | 600 | 880 | 560 | 1400 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 200 | < 200 | < 20 | < 100 | < 1000 | < 50 | < 50 | NA | NA | < 50 | 6.1 | 4.8 | 6.0 | < 1000 |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFB | SWL0041 | VOCs | Methylene chloride | 8010/21 | ug/l | 0.61 | < 30 | < 50 | < 20 | < 40 | < 20 | < 40 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 200 | < 20 | < 100 | < 1000 | < 50 | < 50 | NA | NA | < 50 | < 120 | < 25 | < 10 | < 10000 |
| | | | Naphthalene | 8240/60 | ug/l | < 200 | < 200 | < 20 | < 100 | < 1000 | < 50 | < 50 | NA | NA | < 50 | 9.6 | 6.6 | < 10 | < 10000 |
| | | | | 8270 | ug/l | 27 | 16 | 22 | 15 | 11 | 7.4 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | Toluene | 8240/60 | ug/l | < 200 | < 200 | < 20 | < 100 | < 1000 | < 50 | < 50 | NA | NA | < 50 | 7.4 | < 25 | 5.6 | < 1000 |
| | | | Trichloroethene | 8010/21 | ug/l | 0.98 | < 30 | < 50 | < 20 | < 10 | < 5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 200 | < 20 | < 100 | < 1000 | < 50 | < 50 | NA | NA | < 50 | < 25 | < 25 | < 10 | < 1000 |
| | SWL0047 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 1.0 | < 2.0 | < 1.0 | 3.7 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 12 | 13 | 12 | 14 | 14 | NA | NA | 33 | 15 |
| | | | Chloroform | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | 0.62 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 1.0 | < 2.0 | < 1.0 | < 1.0 |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 85 | 67 | 130 | 18 | 8.7 | 19 | 13 | < 1.0 | < 1.0 |
| | | | Isopropylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 6.5 | 7.9 | 6.3 | 6.4 | 6.0 | 11 | 7.6 | 8.0 | 0.60 |
| | | | Methylene chloride | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 2 | < 2 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | < 5.0 | 1.2 | < 1.0 | < 10 |
| | | | n-Propylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 1.1 | < 1 | < 1 | < 1 | < 1 | 0.59 | 0.60 | 1.0 | < 1.0 |
| | | | Tetrachloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 1.4 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | < 1.0 | < 2.0 | < 1.0 | < 1.0 |
| | | | Trichloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | 0.34 | < 2.0 | < 1.0 | < 1.0 |
| | SWL0048 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 42000 | 43000 | 33000 | 33000 | 38000 | 22000 | 49000 | 59000 | 190000 |
| | | | n-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 67 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 500 | < 500 | < 200 | < 200 | < 500 | NA | NA | < 1000 | 220 |
| | | | Carbon disulfide | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1000 | < 1000 | < 400 | < 400 | < 1000 | < 2500 | < 5000 | < 1000 | 12 |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 7000 | 16000 | 13000 | 12000 | 11000 | 11000 | 14000 | 20000 | 29000 |
| | | | Isopropylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 500 | < 500 | < 200 | < 200 | < 500 | 37 | < 2500 | < 1000 | 68 |
| | | | Naphthalene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 500 | < 500 | < 200 | < 200 | < 500 | < 250 | < 2500 | < 1000 | < 250 |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | < 5 | < 5 | < 5 | < 5 | < 5 | 1.4 | 1.7 | < 10 | NA |
| | | | n-Propylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 500 | < 500 | < 200 | < 200 | < 500 | < 250 | < 2500 | < 1000 | 75 |
| | | | Styrene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 500 | < 500 | < 200 | < 200 | < 500 | < 250 | < 2500 | < 1000 | 75 |
| | | | Toluene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 500 | < 500 | < 200 | < 200 | < 500 | < 250 | < 2500 | < 1000 | 470 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 500 | < 500 | < 200 | < 200 | < 500 | 8800 | < 2500 | < 1000 | 360 |
| | SWL0049 | VOCs | Acetone | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 100 | < 200 | < 50 | < 100 | 140 | < 100 | < 50 | < 100 | < 100 |
| | | | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 170 | 160 | 67 | 68 | 57 | 50 | 92 | 54 | 31 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | < 5 | < 10 | < 10 | NA | NA | 6.3 | 4.1 |
| | | | Chlorobenzene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 2100 | 1800 | NA | 820 | NA | NA | NA | NA | NA |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFB | SWL0049 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 1900 | 1900 | 780 | 830 | 900 | 680 | 710 | 550 | 520 |
| | | | Chloroform | 8010/21 | ug/l | NA | NA | NA | NA | NA | 6.2 | < 10 | NA | < 5 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 5 | < 10 | < 3 | < 5 | < 5 | 8.1 | 19 | 8.3 | < 10 |
| | | | Chloromethane | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 5 | < 10 | NA | < 5 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | < 5 | < 10 | 19 | < 20 | < 25 | < 20 | < 100 |
| | | | Cyclohexane | 8240/60 | ug/l | NA | NA | NA | NA | NA | 210 | 260 | 190 | 200 | 240 | 210 | 210 | NA | NA |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | NA | NA | NA | NA | NA | 79 | 110 | NA | 170 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | 69 | 150 | 190 | 180 | 260 | 220 | 310 | 330 | 430 |
| | | | 1,3-Dichlorobenzene | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 5 | < 10 | NA | < 5 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | < 5 | < 10 | < 10 | < 10 | < 25 | < 10 | < 10 |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | < 5 | < 5 | < 5 | < 5 | < 5 | 2.0 | < 10 | < 10 | NA |
| | | | 1,4-Dichlorobenzene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 13 | < 10 | NA | < 6.2 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | < 5 | < 10 | < 10 | < 10 | < 25 | < 10 | < 10 |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | 6.3 | < 5 | < 5 | < 5 | < 5 | 1.8 | < 10 | < 10 | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 66 | 98 | 54 | 29 | 11 | 71 | 110 | 6.2 | 2.0 |
| | | | Isopropylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 17 | 22 | 11 | < 10 | 11 | 13 | 15 | 9.4 | 9.6 |
| | | | n-Propylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 13 | < 20 | 5.4 | < 10 | < 10 | 9.2 | < 25 | < 10 | < 10 |
| | | | Tetrachloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 5 | < 10 | NA | < 5 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | < 5 | < 10 | < 10 | 2.6 | < 25 | < 10 | 5.4 |
| | | | Toluene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | < 5 | < 10 | < 10 | 3.2 | < 25 | 4.7 | 3.9 |
| | | | 1,1,2-Trichloroethane | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 5 | < 10 | NA | < 5 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 5 | < 10 | < 3 | < 5 | < 5 | 28 | < 25 | < 10 | < 10 |
| | | | Trichloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 6.1 | < 10 | NA | 25 | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | 22 | 25 | 29 | 34 | 45 | 52 | 53 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 84 | < 20 | < 5 | < 10 | < 10 | < 10 | < 25 | < 10 | < 10 |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 20 | 28 | < 10 | < 10 | < 10 | < 25 | < 10 | < 10 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | 15 | 36 | 10 | < 10 | < 10 | 3.6 | < 25 | < 10 | 1.7 |
| | SWL0050 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 53000 | 82000 | 75000 | 69000 | 74000 | 46000 | 62000 | 46000 | 84000 |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 5 | 57 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 500 | < 300 | < 300 | < 300 | < 300 | < 500 | NA | < 500 | < 250 |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1000 | 2300 | 2000 | 1600 | 1300 | 1200 | < 2500 | 690 | 720 |
| | | | Naphthalene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1000 | < 500 | < 500 | < 500 | < 500 | < 500 | < 2500 | < 500 | < 5000 |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | 160 | 270 | 390 | 320 | 66 | 150 | 85 | 54 | NA |
| | | | Toluene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1000 | 940 | 880 | < 500 | < 500 | 120 | < 2500 | < 500 | < 500 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1000 | 1400 | 990 | 670 | 510 | 220 | < 2500 | < 500 | < 500 |
| | | Biodeg | Fe++ | SM3500 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 10000 |

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## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFB | SWL0050 | Biodeg | Methane | RSK175 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 5.45 |
| | | | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 100 |
| | | | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | 320000 | 300000 | NA | NA | NA | NA | NA | NA | 320000 |
| | | Bacteria | BTEX Degraders | BIOGRA | uts/l | NA | NA | NA | NA | NA | 1E+02> | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | HC Oxidizing Pop | SM9221C | mpn/ml | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 3.0 |
| | | | Ttl HT Plt Cnt | SM9215C | cfu/ml | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 30 |
| | SWL0052 | VOCs | Acetone | 8240/60 | ug/l | NA | NA | NA | NA | NA | 12 | < 10 | < 10 | < 10 | < 10 | < 10 | < 2.0 | < 10 | < 10 |
| | | | Freon 11 | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | 0.54 | 0.55 | < 2.0 | < 10 |
| | | | Freon 12 | 8240/60 | ug/l | NA | NA | NA | NA | NA | 12 | 12 | 11 | 18 | 7.1 | 9.0 | 9.0 | < 2.0 | 5.3 |
| | | | Tetrachloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 3.8 | 3.8 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | 3.4 | 3.8 | < 1 | 3.8 | 3.3 | 4.7 | 3.6 | < 1.0 | < 3.0 |
| | | | Trichloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | 0.53 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | 1.2 | 1.0 | 1.4 | 0.95 | < 1.0 | 0.56 |
| | | Biodeg | Fe++ | SM3500 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 100 |
| | | | Methane | RSK175 | ug/l | NA | NA | NA | NA | NA | < 2 | < 2 | NA | NA | NA | NA | NA | NA | 4.15 |
| | | | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | 11000 | NA | NA | NA | NA | NA | NA | 1300 |
| | | | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | 250000 | 250000 | NA | NA | NA | NA | NA | NA | 240000 |
| | | Bacteria | BTEX Degraders | BIOGRA | uts/l | NA | NA | NA | NA | NA | 1E+04 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | HC Oxidizing Pop | SM9221C | mpn/ml | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 93 |
| | | | Ttl HT Plt Cnt | SM9215C | cfu/ml | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 110 |
| | SWL0056 | VOCs | Bromoform | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | 0.28 | < 1.0 | < 1.0 | < 1.0 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | 0.49 | 0.20 |
| | | | Naphthalene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | < 1.0 | 2.6 | < 1.0 | < 10 |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | < 5 | < 5 | < 5 | < 5 | < 5 | < 10 | < 9.5 | NA | NA |
| | XG-01WC | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | 21 | 1.7 | 2.9 | 3.2 | NA | NA | 4.7 | 7.5 | 7.2 | 9.3 | 5.9 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | 1.9 | 2.1 | 4.1 | 5.8 | NA | NA | 4.5 | NA | NA | 6.2 | 3.4 |
| | | | Carbon disulfide | 8240/60 | ug/l | NA | NA | NA | < 2 | 2.4 | < 2 | < 2 | NA | NA | < 2 | < 10 | < 4.0 | < 2.0 | < 100 |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 0.44 | < 2.0 | < 2.0 | < 10 |
| | | | Cyclohexane | 8240/60 | ug/l | NA | NA | NA | 19 | 38 | 87 | 82 | NA | NA | 73 | 74 | 59 | NA | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | 3.7 | 4.3 | 3.2 | 7.0 | NA | NA | 12 | 38 | 54 | 120 | 110 |
| | | | Isopropylbenzene | 8240/60 | ug/l | NA | NA | NA | 3.0 | 3.9 | 7.4 | 9.3 | NA | NA | 9.2 | 14 | 19 | 15 | 10 |
| | | | Methylene chloride | 8240/60 | ug/l | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 1.8 | < 2.0 | < 2.0 | < 100 |
| | | | Naphthalene | 8240/60 | ug/l | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | 0.39 | < 2.0 | < 100 |
| | | | n-Propylbenzene | 8240/60 | ug/l | NA | NA | NA | < 1 | < 1 | 2.0 | 2.7 | NA | NA | 2.6 | 4.9 | 6.9 | 9.7 | 11 |
| | | | Styrene | 8240/60 | ug/l | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.13 | < 2.0 | < 2.0 | < 10 |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFB | XG-01WC | VOCs | Toluene | 8240/60 | ug/l | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.57 | 0.64 | 1.0 | < 10 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.24 | < 2.0 | < 2.0 | < 10 |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 1.7 | < 2.0 | 6.2 | < 10 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 32 | < 2.0 | < 2.0 | < 10 |
| | | Biodeg | Fe++ | SM3500 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1100 |
| | | | Methane | RSK175 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 18.0 |
| | | | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | < 500 | NA | NA | NA | NA | NA | NA | 120 |
| | | | | 353 | ug/l | NA | NA | NA | < 50 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Sulfate | 300.0 | ug/l | NA | NA | NA | 190000 | 230000 | 210000 | 240000 | NA | NA | NA | NA | NA | NA | 250000 |
| | | Bacteria | HC Oxidizing Pop | SM9221C | mpn/ml | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 230 |
| | | | Ttl HT Plt Cnt | SM9215C | cfu/ml | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | < 30 |
| | XG-02WC | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | 13 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 1.0 | < 1.0 | < 1.0 | < 0.50 |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 1.0 | < 1.0 | 38 |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 1.0 | < 1.0 | < 1.0 | 0.59 |
| | XGW-07C | VOCs | All Analytes | | | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA |
| | XMW-01 | VOCs | Acetone | 8240/60 | ug/l | < 5000 | < 10000 | < 5000 | < 10000 | < 5000 | NA | < 6100 | NA | NA | NA | NA | NA | NA | (4000) |
| | | | Benzene | 8240/60 | ug/l | 8000 | 7000 | 8400 | 8800 | 5900 | NA | 6900 | NA | NA | NA | NA | NA | NA | (4500) |
| | | | Chlorobenzene | 8240/60 | ug/l | 85000 | 80000 | 86000 | 86000 | 82000 | NA | 74000 | NA | NA | NA | NA | NA | NA | (130000) |
| | | | Chloroform | 8240/60 | ug/l | 19000 | 16000 | 16000 | 21000 | 11000 | NA | 15000 | NA | NA | NA | NA | NA | NA | (20000) |
| | | | 1,2-Dichlorobenzene | 8240/60 | ug/l | < 500 | < 1000 | < 500 | < 1000 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | (<200) |
| | | | | 8270 | ug/l | 87 | 100 | 66 | 69 | 86 | NA | 80 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | < 300 | < 500 | < 300 | < 500 | < 300 | NA | < 300 | NA | NA | NA | NA | NA | NA | (130) |
| | | | 1,3-Dichlorobenzene | 8240/60 | ug/l | < 500 | < 1000 | < 500 | < 1000 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | (<200) |
| | | | | 8270 | ug/l | 7.8 | < 10 | 5.4 | 5.3 | < 30 | NA | 6.0 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 500 | < 1000 | < 500 | < 1000 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | (280) |
| | | | | 8270 | ug/l | 160 | 210 | 120 | 150 | 170 | NA | 140 | NA | NA | NA | NA | NA | NA | NA |
| | | | Naphthalene | 8240/60 | ug/l | < 500 | < 1000 | < 500 | < 1000 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | (<500) |
| | | | | 8270 | ug/l | 5.6 | 41 | 39 | < 5 | < 30 | NA | 25 | NA | NA | NA | NA | NA | NA | NA |
| | | | Tetrachloroethene | 8240/60 | ug/l | 4100 | 3900 | 4300 | 4100 | 4100 | NA | 3600 | NA | NA | NA | NA | NA | NA | (3500) |
| | | | 1,2,4-Trichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<500) |
| | | | | 8270 | ug/l | 140 | 200 | 120 | 100 | 170 | NA | 110 | NA | NA | NA | NA | NA | NA | NA |
| | | | Trichloroethene | 8240/60 | ug/l | < 500 | < 1000 | < 500 | < 1000 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | (210) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 500 | < 1000 | < 500 | < 1000 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | (300) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | 180000 | 100000 | NA | 160000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (770000) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (36) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFB | XMW-01 | Pest/PCBs | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (21) |
| | | | delta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (33) |
| | | | gamma-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (59) |
| | XMW-01T | VOCs | Benzene | 8240/60 | ug/l | < 30 | < 100 | 60 | < 50 | < 50 | 30 | < 30 | NA | NA | < 30 | 16 | NA | NA | NA |
| | | | Chloroform | 8240/60 | ug/l | < 30 | < 100 | < 30 | < 50 | < 50 | < 20 | < 30 | NA | NA | < 30 | 14 | NA | NA | NA |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | 1200 | 3000 | 5600 | 2900 | 6000 | 4000 | 3800 | NA | NA | 6200 | 3100 | NA | NA | NA |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | 190 | 330 | 650 | 380 | 730 | 570 | 530 | NA | NA | 1100 | 770 | NA | NA | NA |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | < 30 | < 100 | < 30 | < 50 | 58 | 47 | 39 | NA | NA | 59 | 46 | NA | NA | NA |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | 100 | 210 | 150 | 150 | 170 | 270 | 260 | NA | NA | 270 | 190 | NA | NA | NA |
| | | | Tetrachloroethene | 8240/60 | ug/l | 2300 | 1600 | 960 | 1600 | 1400 | 1100 | 1300 | NA | NA | 48 | 1400 | NA | NA | NA |
| | | | 1,1,1-Trichloroethane | 8240/60 | ug/l | < 50 | < 200 | 430 | < 100 | 310 | 280 | 150 | NA | NA | 150 | < 120 | NA | NA | NA |
| | | | Trichloroethene | 8240/60 | ug/l | 8300 | 6600 | 4700 | 5700 | 5800 | 6400 | 5800 | NA | NA | 3200 | 6100 | NA | NA | NA |
| | | | Vinyl chloride | 8240/60 | ug/l | < 30 | < 100 | 100 | < 50 | 110 | 90 | < 30 | NA | NA | 160 | 86 | NA | NA | NA |
| | XMW-02T | VOCs | Benzene | 8240/60 | ug/l | < 3 | < 10 | < 5 | < 20 | < 20 | < 20 | < 30 | NA | NA | < 30 | 5.3 | NA | NA | NA |
| | | | Chloroform | 8240/60 | ug/l | 3.2 | < 10 | 11 | < 20 | < 20 | < 20 | < 30 | NA | NA | 50 | 57 | NA | NA | NA |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | 9.9 | 12 | 28 | < 20 | 46 | 36 | < 30 | NA | NA | 120 | 58 | NA | NA | NA |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | 9.5 | < 20 | 22 | 32 | 47 | 57 | < 50 | NA | NA | 230 | 400 | NA | NA | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | < 5 | < 20 | < 10 | < 30 | < 30 | < 30 | 61 | NA | NA | < 30 | < 120 | NA | NA | NA |
| | | | Tetrachloroethene | 8240/60 | ug/l | 170 | 200 | 620 | 990 | 1100 | 1200 | 810 | NA | NA | 2300 | 2800 | NA | NA | NA |
| | | | Trichloroethene | 8240/60 | ug/l | 400 | 570 | 1700 | 2600 | 2900 | 3200 | 2300 | NA | NA | 7400 | 8300 | NA | NA | NA |
| | XMW-03 | VOCs | Acetone | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 25 | 26 | NA | NA | NA | NA | NA | NA | (<10) |
| | | | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 2.9 | 3.8 | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Carbon Tetrachloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | (4.6) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | 9.4 | 2.1 | NA | NA | NA | NA | NA | NA | (200) |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 0.5 | 1.7 | NA | NA | NA | NA | NA | NA | (83) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 22 | 31 | NA | NA | NA | NA | NA | NA | (170) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 17 | 19 | NA | NA | NA | NA | NA | NA | (110) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | NA | NA | < 100 | < 100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XMW-04 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (21) |
| | | | Carbon Tetrachloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (5.6) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3900) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1800) |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (6.3) |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.53) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFB | XMW-04 | VOCs | 1,4-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (7.1) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1000) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (56) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (9100) |
| | XMW-05 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.2) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (480) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (24) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (62) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (210) |
| | | Pest/PCBs | o,p'-DDD | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.1) |
| | XMW-06 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (36) |
| | | | Carbon Tetrachloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (190) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (130) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1900) |
| | | | 1,1-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (130) |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (320) |
| | | | 1,2-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (34) |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (150) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (61) |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (71) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (8200) |
| | | | 1,1,2-Trichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (67) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1100) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (13000) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1.1) |
| | | | o,p'-DDD | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.17) |
| | | | delta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.6) |
| | | | gamma-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.4) |
| | XMW-08 | VOCs | Carbon Tetrachloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (5.2) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (5.1) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.6) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (4.5) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.1) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | XMW-09 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.5) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFB | XMW-09 | VOCs | Carbon Tetrachloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.9) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (320) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2200) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (88) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (40) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XMW-10 | VOCs | Benzene | 8240/60 | ug/l | < 3 | < 50 | < 0.5 | 0.55 | < 0.5 | < 0.5 | 2.6 | NA | NA | 1.4 | 1.1 | < 2.0 | < 1.0 | (<2) |
| | | | Chlorobenzene | 8240/60 | ug/l | 170 | 130 | 97 | 87 | 100 | 3.7 | 270 | NA | NA | 180 | 150 | 49 | 26 | (31) |
| | | | Chloroform | 8240/60 | ug/l | < 3 | < 50 | 1.1 | 20 | 1.7 | 2.5 | 1.4 | NA | NA | 1.2 | 1.1 | < 2.0 | 0.65 | (<2) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 5 | < 100 | < 1 | < 1 | < 1 | < 1 | < 2 | NA | NA | < 1 | 0.27 | < 2.0 | < 1.0 | (<2) |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | < 5 | < 100 | < 1 | < 1 | < 1 | < 1 | < 2 | NA | NA | < 1 | 0.68 | < 2.0 | < 1.0 | (<2) |
| | | | Tetrachloroethene | 8240/60 | ug/l | < 5 | < 100 | 2.2 | 2.4 | 2.0 | 1.5 | < 2 | NA | NA | 1.2 | 1.2 | < 2.0 | 1.1 | (<2) |
| | | | Trichloroethene | 8240/60 | ug/l | 11 | < 100 | 14 | 8.3 | 13 | 9.1 | 6.4 | NA | NA | 12 | 12 | 12 | 18 | (16) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | XMW-11 | VOCs | Acetone | 8240/60 | ug/l | < 200 | < 2000 | < 200 | < 100 | < 100 | 77 | < 100 | NA | NA | < 50 | < 120 | < 120 | < 250 | (<10) |
| | | | Benzene | 8240/60 | ug/l | < 10 | < 100 | < 10 | 8.9 | < 5 | < 3 | 7.2 | NA | NA | < 3 | 23 | 9.0 | 8.0 | (5.2) |
| | | | Chlorobenzene | 8240/60 | ug/l | 1400 | 900 | 1200 | 1200 | 850 | 780 | 510 | NA | NA | 570 | 770 | 920 | 1400 | (930) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 20 | < 200 | < 20 | < 10 | < 10 | < 5 | < 10 | NA | NA | < 5 | < 12 | < 50 | < 25 | (3.3) |
| | | | Tetrachloroethene | 8240/60 | ug/l | 100 | < 200 | 120 | 150 | 97 | 86 | 99 | NA | NA | 78 | 84 | 84 | 120 | (100) |
| | | | Trichloroethene | 8240/60 | ug/l | < 20 | < 200 | < 20 | 8.8 | < 10 | 5.2 | < 10 | NA | NA | < 5 | 4.8 | < 50 | 7.6 | (5.5) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | < 100 | < 100 | < 100 | < 100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.01) |
| | | | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.01) |
| | | | delta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.02) |
| | | | gamma-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.01) |
| | XMW-12 | VOCs | Acetone | 8240/60 | ug/l | < 500 | < 2000 | < 1000 | 1100 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | (<10) |
| | | | Benzene | 8240/60 | ug/l | 5300 | 4300 | 2000 | 6500 | 7200 | NA | 3300 | NA | NA | NA | NA | NA | NA | (580) |
| | | | Chlorobenzene | 8010/21 | ug/l | 6100 | 4900 | 3600 | 6600 | 4800 | NA | 3100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 4600 | 4100 | 2800 | 5300 | 6100 | NA | 2500 | NA | NA | NA | NA | NA | NA | (2800) |
| | | | Chloroform | 8010/21 | ug/l | < 50 | 15 | 30 | 160 | 180 | NA | 320 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | < 100 | < 50 | 210 | < 30 | NA | 210 | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Cyclohexane | 8240/60 | ug/l | < 500 | < 2000 | 390 | < 1000 | < 500 | NA | < 500 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | 220 | 150 | 130 | 170 | 140 | NA | 63 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | < 100 | < 50 | < 50 | < 30 | NA | 84 | NA | NA | NA | NA | NA | NA | (88) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFB | XMW-12 | VOCs | 1,4-Dichlorobenzene | 8010/21 | ug/l | < 50 | 7.6 | < 20 | < 30 | < 20 | NA | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 100 | < 50 | NA | < 50 | NA | NA | NA | NA | NA | NA | (11) |
| | | | Ethylbenzene | 8240/60 | ug/l | 920 | 830 | 550 | 1300 | 1800 | NA | 430 | NA | NA | NA | NA | NA | NA | (54) |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 100 | < 50 | NA | < 50 | NA | NA | NA | NA | NA | NA | (5.8) |
| | | | Naphthalene | 8240/60 | ug/l | < 50 | < 200 | < 100 | 190 | 750 | NA | 190 | NA | NA | NA | NA | NA | NA | (9.6) |
| | | | n-Propylbenzene | 8240/60 | ug/l | < 50 | < 200 | < 100 | 120 | < 50 | NA | 58 | NA | NA | NA | NA | NA | NA | (6.5) |
| | | | Tetrachloroethene | 8010/21 | ug/l | < 50 | < 5 | < 20 | < 30 | < 20 | NA | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 100 | < 50 | NA | < 50 | NA | NA | NA | NA | NA | NA | (2.3) |
| | | | Toluene | 8240/60 | ug/l | < 50 | < 200 | < 100 | 910 | 2000 | NA | 1500 | NA | NA | NA | NA | NA | NA | (20) |
| | | | Trichloroethene | 8010/21 | ug/l | < 50 | < 5 | < 20 | < 30 | < 20 | NA | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 100 | < 50 | NA | < 50 | NA | NA | NA | NA | NA | NA | (5.3) |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | 690 | 640 | 410 | 290 | 920 | NA | 310 | NA | NA | NA | NA | NA | NA | (23) |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | < 50 | < 200 | < 100 | 260 | < 50 | NA | < 50 | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | 510 | 500 | 180 | 820 | 2200 | NA | 810 | NA | NA | NA | NA | NA | NA | (20) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | 18000 | 32000 | NA | 12000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (8900) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.01) |
| | | | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.05) |
| | XMW-13 | VOCs | Acetone | 8240/60 | ug/l | < 2000 | < 2000 | < 1000 | < 1000 | < 1000 | 2700 | < 1000 | NA | NA | < 1000 | < 2500 | < 1000 | < 1200 | (<200) |
| | | | Benzene | 8240/60 | ug/l | 18000 | 14000 | 14000 | 20000 | 17000 | 12000 | 17000 | NA | NA | 14000 | 12000 | 10000 | 9600 | (8700) |
| | | | sec-Butylbenzene | 8240/60 | ug/l | < 200 | < 200 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | < 100 | NA | NA | < 120 | (770) |
| | | | Chlorobenzene | 8010/21 | ug/l | 2400 | 2500 | 3200 | 4200 | 3000 | 4500 | 4100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 2400 | 2100 | 2500 | 3000 | 2900 | 2200 | 2900 | NA | NA | 6400 | 7300 | 7700 | 7100 | (11000) |
| | | | Chloroform | 8010/21 | ug/l | 1100 | 500 | 970 | 1100 | 490 | 600 | 980 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 770 | 630 | 580 | 780 | 540 | 420 | 510 | NA | NA | 240 | 220 | < 500 | 330 | (160) |
| | | | Cyclohexane | 8240/60 | ug/l | < 2000 | < 2000 | < 1000 | < 1000 | 310 | < 1000 | < 1000 | NA | NA | < 1000 | < 2500 | < 1000 | NA | NA |
| | | | Dibromochloromethane | 8010/21 | ug/l | < 50 | 34 | < 30 | < 20 | 95 | < 50 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 200 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | < 100 | < 250 | < 500 | < 120 | (<40) |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | 270 | 290 | 340 | 390 | 330 | 240 | 470 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 100 | < 100 | 540 | < 50 | < 50 | 320 | 410 | NA | NA | < 50 | 440 | < 500 | < 120 | (57) |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | < 50 | < 5 | < 30 | < 20 | < 30 | < 50 | 57 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 200 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | < 100 | < 120 | < 500 | < 120 | (44) |
| | | | Ethylbenzene | 8240/60 | ug/l | 1800 | 1400 | 1800 | 1700 | 1500 | 640 | 880 | NA | NA | 930 | 1200 | 1100 | 810 | (1000) |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 200 | < 200 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | < 100 | < 250 | < 500 | 40 | (56) |
| | | | Methylene chloride | 8010/21 | ug/l | < 50 | 20 | < 30 | 25 | < 65 | < 200 | < 100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 200 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | < 100 | 26 | < 500 | < 120 | (<100) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFB | XMW-13 | VOCs | Naphthalene | 8240/60 | ug/l | < 200 | 520 | 1200 | 670 | 610 | 360 | 570 | NA | NA | 270 | 430 | 290 | 320 | (500) |
| | | | | 8270 | ug/l | 610 | 620 | 450 | 400 | 400 | 510 | 340 | NA | NA | NA | NA | NA | NA | NA |
| | | | n-Propylbenzene | 8240/60 | ug/l | < 200 | < 200 | 210 | 180 | 160 | < 100 | 150 | NA | NA | 120 | < 250 | < 500 | 120 | (150) |
| | | | tert-Butylbenzene | 8240/60 | ug/l | < 200 | < 200 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | 110 | < 250 | < 500 | < 120 | (<100) |
| | | | Tetrachloroethene | 8010/21 | ug/l | 72 | 86 | 120 | 94 | < 30 | < 50 | 80 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 200 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | < 100 | 170 | < 500 | 300 | (340) |
| | | | Toluene | 8240/60 | ug/l | 6400 | 4600 | 5400 | 7500 | 7200 | 6300 | 8500 | NA | NA | 2400 | 2500 | 2100 | 2400 | (1800) |
| | | | Trichloroethene | 8010/21 | ug/l | 690 | 610 | 740 | 770 | 480 | 730 | 500 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 740 | 520 | 540 | 470 | 370 | 200 | 230 | NA | NA | 380 | 480 | 480 | 760 | (480) |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | 1600 | 1500 | 1800 | 1600 | 1400 | 850 | 1400 | NA | NA | 1100 | 1400 | 1200 | 1200 | (1000) |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | 1100 | 820 | < 100 | 1000 | 770 | < 100 | < 100 | NA | NA | 270 | 310 | < 500 | 210 | (170) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | 5100 | 3900 | 3100 | 5000 | 4700 | 2400 | 3200 | NA | NA | 2200 | 2000 | 1800 | 1600 | (1100) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | 30000 | 42000 | 47000 | 52000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (37000) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.8) |
| | | | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.68) |
| | | | delta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.71) |
| | XMW-14 | VOCs | Acetone | 8240/60 | ug/l | < 500 | < 2000 | < 1000 | < 500 | < 100 | 300 | < 500 | NA | NA | < 500 | 460 | < 1000 | < 500 | (<10) |
| | | | Benzene | 8240/60 | ug/l | < 30 | 7400 | 6600 | 4000 | 980 | 1200 | 7000 | NA | NA | 7900 | 3800 | 4300 | 4400 | (3300) |
| | | | sec-Butylbenzene | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 50 | < 10 | < 10 | < 50 | NA | NA | < 50 | NA | NA | < 50 | (6.9) |
| | | | Chlorobenzene | 8010/21 | ug/l | 180 | 230 | 300 | 220 | 120 | 150 | 470 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 220 | 220 | 230 | 150 | 130 | 97 | 320 | NA | NA | 350 | 240 | 400 | 340 | (160) |
| | | | Chloroform | 8010/21 | ug/l | < 50 | 5.6 | < 30 | < 3 | < 1 | < 5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | < 100 | < 50 | < 30 | < 5 | < 5 | < 30 | NA | NA | < 30 | 8.5 | < 500 | < 50 | (<2) |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 50 | < 5 | < 30 | < 3 | 1.3 | < 5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | < 100 | < 50 | < 30 | < 5 | < 5 | < 30 | NA | NA | < 30 | < 50 | < 500 | < 50 | (<5) |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | 670 | 550 | 730 | 820 | 290 | 490 | 760 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 610 | < 100 | < 50 | 630 | 360 | 360 | 630 | NA | NA | 900 | 620 | 490 | < 50 | (230) |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | < 50 | < 5 | < 30 | 14 | 24 | 17 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 50 | 17 | < 10 | < 50 | NA | NA | < 50 | 54 | < 500 | 53 | (39) |
| | | | Ethylbenzene | 8240/60 | ug/l | 570 | 700 | 740 | 440 | 110 | 83 | 430 | NA | NA | 780 | 430 | 370 | 580 | (630) |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 50 | < 10 | < 10 | < 50 | NA | NA | < 50 | < 50 | < 500 | 26 | (34) |
| | | | p-Isopropyltoluene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.2) |
| | | | Naphthalene | 8240/60 | ug/l | 170 | < 200 | 360 | < 120 | 34 | 39 | 180 | NA | NA | 190 | 4200 | < 500 | 74 | (78) |
| | | | | 8270 | ug/l | 180 | 270 | 130 | 100 | 27 | 32 | 120 | NA | NA | NA | NA | NA | NA | NA |
| | | | n-Propylbenzene | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 50 | < 10 | < 10 | 53 | NA | NA | 66 | < 50 | < 500 | 69 | (61) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFB | XMW-14 | VOCs | Tetrachloroethene | 8010/21 | ug/l | < 50 | < 5 | < 30 | 13 | 8.9 | 11 | 14 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 50 | < 10 | < 10 | < 50 | NA | NA | < 50 | 15 | < 500 | < 50 | (14) |
| | | | Toluene | 8240/60 | ug/l | < 50 | < 200 | < 100 | < 50 | 6.5 | < 10 | < 58 | NA | NA | < 50 | 15 | < 500 | 28 | (15) |
| | | | 1,1,2-Trichloroethane | 8010/21 | ug/l | < 50 | < 5 | < 30 | < 3 | 1.1 | < 5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | < 100 | < 50 | < 30 | < 5 | < 5 | < 30 | NA | NA | < 30 | < 50 | < 500 | < 50 | (<2) |
| | | | Trichloroethene | 8010/21 | ug/l | 60 | 100 | 110 | 180 | 67 | 140 | 120 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 72 | < 200 | < 100 | 96 | 62 | 71 | 110 | NA | NA | 190 | 140 | < 500 | 100 | (59) |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | 290 | 340 | 400 | 130 | 39 | 22 | 300 | NA | NA | 310 | 100 | < 500 | 120 | (200) |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | 66 | < 200 | < 100 | < 50 | < 10 | < 10 | < 50 | NA | NA | < 50 | 20 | < 500 | < 50 | (87) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | 420 | 410 | 270 | 180 | 74 | 23 | 190 | NA | NA | 290 | 81 | < 500 | < 50 | (270) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | 1000 | 96 | 400 | 1200 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2400) |
| | | Pest/PCBs | 4,4'-DDE | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.07) |
| | XMW-16 | VOCs | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (15) |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.2) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (50) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (950) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XMW-17 | VOCs | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.5) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (42) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.0056) |
| | | | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.02) |
| | XMW-19 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.3) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (68) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (6.9) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | XMW-21 | VOCs | Benzene | 8240/60 | ug/l | 81000 | 5800 | 14000 | 43000 | 48000 | 4100 | 1500 | 17000 | 24000 | 740 | 3300 | 4300 | 2200 | 1000 |
| | | | n-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 310 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | < 2000 | < 500 | 380 | < 500 | 580 | < 100 | 360 | 610 | 960 | 580 | NA | NA | 620 | 730 |
| | | | Carbon disulfide | 8240/60 | ug/l | < 4000 | < 1000 | < 400 | < 1000 | < 1000 | < 200 | < 100 | < 400 | < 500 | < 200 | < 2500 | < 1000 | < 250 | 35 |
| | | | Chloroethane | 8010/21 | ug/l | 70 | < 30 | < 50 | < 50 | < 50 | < 0.5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 2000 | < 500 | < 200 | < 500 | < 500 | < 100 | < 50 | < 200 | < 300 | < 100 | < 500 | < 500 | < 500 | < 50 |
| | | | Ethylbenzene | 8240/60 | ug/l | 20000 | 10000 | 12000 | 31000 | 39000 | 23000 | 6500 | 35000 | 25000 | 11000 | 10000 | 16000 | 14000 | 12000 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 2000 | < 500 | < 200 | < 500 | < 500 | < 100 | 180 | 410 | 450 | 280 | 260 | 180 | 220 | 230 |

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory reporting limit. Concentrations in parentheses '()' generated by Hargis + Associates

# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFB | XMW-21 | VOCs | n-Propylbenzene | 8240/60 | ug/l | < 2000 | < 500 | < 200 | < 500 | < 500 | < 100 | < 50 | < 200 | < 300 | 210 | 250 | 180 | 190 | 230 |
| | | | Toluene | 8240/60 | ug/l | < 2000 | < 500 | < 200 | 8500 | < 500 | < 100 | < 50 | < 200 | < 300 | < 100 | < 250 | < 500 | < 250 | < 50 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | < 2000 | < 500 | < 200 | 1700 | < 500 | < 100 | < 50 | < 200 | < 300 | < 100 | < 250 | < 500 | < 250 | < 50 |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | < 2000 | < 500 | < 200 | < 500 | < 500 | < 100 | 110 | < 200 | < 300 | < 100 | < 250 | < 500 | < 250 | < 50 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 2000 | < 500 | < 200 | 7400 | < 500 | < 100 | < 50 | < 200 | < 300 | < 100 | < 250 | < 500 | < 250 | < 50 |
| | XMW-22 | VOCs | Carbon Tetrachloride | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (4) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (35) |
| | | | 1,1,2-Trichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (110) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.5) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XMW-26 | VOCs | All Analytes | | | NA | NA | NA | ND | ND | NA | ND | NA | NA | NA | NA | NA | NA | (ND) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XMW-27 | VOCs | Acetone | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 10 | < 10 | < 10 | 29 | < 2.0 | < 10 | (<10) |
| | | | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | 10 | 17 | 5.6 | 5.4 | 10 | 22 | (2.6) |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | NA | NA | 0.30 | (<5) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | 1.3 | < 1 | 0.95 | 2.5 | 3.1 | (<2) |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | 0.19 | 0.91 | < 1.0 | (<2) |
| | | | Cyclohexane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | 13 | < 10 | < 10 | < 10 | 8.5 | NA | NA |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | 0.14 | < 1.0 | < 1.0 | (<5) |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | < 1.0 | 0.51 | < 1.0 | (<0.5) |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | 1.4 | < 1 | 0.74 | 1.2 | 1.4 | (<2) |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1.0 | 1.3 | 1.3 | (<2) |
| | | | Isopropylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | 0.17 | 0.76 | 0.79 | (<2) |
| | | | n-Propylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1.0 | 1.2 | 0.91 | (<2) |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | 0.32 | 1.4 | 1.3 | (<2) |
| | | | Toluene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1.0 | < 1.0 | 1.4 | (<2) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | 5.2 | 10 | 2.1 | 6.5 | 13 | 17 | (17) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | < 1 | 1.2 | 1.3 | < 1.0 | < 1.0 | 0.59 | (<2) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XMW-28 | VOCs | Benzene | 8240/60 | ug/l | 74000 | 47000 | 88000 | 61000 | 120000 | 130000 | 160000 | 150000 | 170000 | 140000 | 72000 | 100000 | 69000 | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | 1200 | < 100 | < 500 | < 1000 | 960 | < 2000 | 3100 | 1500 | 1500 | 1400 | 1100 | 1400 | 820 | NA |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 500 | 360 | < 500 | < 1000 | < 1000 | < 2000 | < 3000 | < 1000 | < 1000 | < 1000 | 340 | < 5000 | < 1000 | NA |
| | XMW-29 | VOCs | Benzene | 8240/60 | ug/l | 26000 | 21000 | 55000 | 3700 | 6600 | 24000 | 96000 | 150000 | 180000 | 240000 | 5700 | 110000 | 420000 | 580000 |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFB | XMW-29 | VOCs | Chlorobenzene | 8010/21 | ug/l | < 50 | < 30 | < 100 | < 3 | 28 | < 0.5 | < 50 | NA | NA | NA | < 1.0 | < 2000 | < 10000 | NA |
| | | | | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | 2300 | < 120 | < 5000 | < 5000 | < 250 |
| | | | Ethylbenzene | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | < 2000 | < 120 | < 5000 | < 5000 | 59 |
| | | | Methylene chloride | 8010/21 | ug/l | < 50 | < 30 | < 100 | < 3 | < 10 | 6.8 | < 200 | NA | NA | NA | < 5.0 | < 10000 | < 50000 | NA |
| | | | | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | < 2000 | < 620 | < 5000 | < 5000 | < 500 |
| | | | Naphthalene | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 500 | < 500 | < 1000 | < 1000 | < 2000 | < 120 | < 5000 | < 5000 | 5.2 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | Styrene | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | < 2000 | < 120 | < 5000 | < 5000 | 120 |
| | | | Toluene | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | < 2000 | < 120 | < 5000 | < 5000 | 550 |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | < 2000 | < 120 | < 5000 | < 5000 | 25 |
| | | | 1,3,5-Trimethylbenzene | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | < 2000 | < 120 | < 5000 | < 5000 | 6.4 |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 300 | < 100 | < 500 | < 50 | < 50 | < 300 | < 500 | < 1000 | < 1000 | < 2000 | < 120 | < 10000 | < 5000 | 150 |
| | XMW-30 | VOCs | Benzene | 8240/60 | ug/l | < 0.5 | 2.2 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 3.9 | < 0.5 | < 0.5 | < 0.5 | 0.50 | 3.8 | < 1.0 | (<2) |
| | | | Methyl Ethyl Ketone | 8240/60 | ug/l | < 5 | < 5 | 6.3 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 10 | < 2.0 | < 5.0 | (<10) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | < 100 | < 100 | < 100 | < 100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XP-02 | VOCs | Benzene | 8240/60 | ug/l | 37 | 0.78 | 0.80 | 0.60 | < 0.5 | 0.92 | 9.1 | NA | NA | < 0.5 | 0.41 | < 2.0 | < 1.0 | < 0.50 |
| | | | Chlorobenzene | 8010/21 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 1.8 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 2.0 | < 1.0 | < 1.0 |
| | | | 1,1-Dichloroethane | 8010/21 | ug/l | 0.50 | < 0.5 | < 0.5 | 0.93 | 1.5 | 0.58 | 0.59 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | 1.2 | < 1 | 1.3 | 1.3 | NA | NA | < 1 | 0.99 | < 2.0 | 0.37 | < 1.0 |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | < 0.5 | 0.60 | < 0.5 | 1.5 | 2.6 | 1.5 | 2.6 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 0.99 | 1.1 | < 0.5 | 2.2 | 2.0 | 2.6 | 3.1 | NA | NA | 2.4 | 3.2 | 2.7 | 2.3 | 1.7 |
| | | | 1,3-Dichlorobenzene | 8010/21 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.62 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.50 | < 2.0 | < 1.0 | < 1.0 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,4-Dichlorobenzene | 8010/21 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | 0.29 | < 1.0 | < 1.0 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.27 | < 2.0 | < 1.0 | < 1.0 |
| | | | Naphthalene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | 1.4 | < 1 | NA | NA | < 1 | < 1.0 | < 2.0 | < 1.0 | < 10 |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | Tetrachloroethene | 8010/21 | ug/l | 21 | 27 | 20 | 81 | 77 | 85 | 120 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 20 | 19 | 16 | 68 | 75 | 84 | 80 | NA | NA | 69 | 64 | 37 | 32 | 17 |
| | | | Toluene | 8240/60 | ug/l | < 1 | < 1 | 0.70 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 2.0 | < 1.0 | < 1.0 |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFB | XP-02 | VOCs | 1,1,1-Trichloroethane | 8010/21 | ug/l | 0.80 | < 0.5 | < 0.5 | 1.4 | 0.63 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 2.0 | < 1.0 | < 1.0 |
| | | | Trichloroethene | 8010/21 | ug/l | < 0.5 | < 0.5 | < 0.5 | 0.82 | 1.3 | < 0.5 | 0.55 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 1.0 | NA | NA | < 1 | 1.2 | 1.1 | 1.6 | 1.4 |
| | XP-03 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | 93 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 1.0 | < 1.0 | < 1.0 | < 0.50 |
| | | | Bromomethane | 8240/60 | ug/l | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.32 | < 1.0 | < 2.0 | < 10 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | NA | NA | < 1.0 | 0.12 |
| | | | Chloroform | 8240/60 | ug/l | NA | NA | NA | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 0.41 | 0.38 | 0.25 | < 1.0 |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | 4.8 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| | | | Freon 12 | 8240/60 | ug/l | NA | NA | NA | < 5 | 1.6 | < 5 | < 5 | NA | NA | < 5 | < 2.0 | 2.0 | 0.84 | < 1.0 |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.39 | < 1.0 | < 1.0 | < 1.0 |
| | | | Toluene | 8240/60 | ug/l | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.20 | < 1.0 | < 1.0 | < 1.0 |
| MBFC | SWL0013 | VOCs | Benzene | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 0.14 | < 1.0 | NA | 0.47 |
| | SWL0014 | VOCs | 1,2-Dichlorobenzene | 8240/60 | ug/l | < 1 | < 1 | 0.66 | < 1 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8270 | ug/l | < 6 | < 6 | < 6 | < 6 | < 6 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 1 | < 1 | 0.99 | < 1 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | SWL0018 | VOCs | Benzene | 8240/60 | ug/l | 1.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 0.12 | 0.16 | < 1.0 | < 0.50 |
| | | | Chloroethane | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 3.5 | NA | NA | < 1 | < 2.0 | < 1.0 | < 2.0 | < 1.0 |
| | | | Chloromethane | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 1.4 | NA | NA | < 1 | < 2.0 | < 1.0 | < 2.0 | < 10 |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.23 | 0.16 | < 1.0 | < 1.0 |
| | | | Methyl Ethyl Ketone | 8240/60 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | 7.5 | NA | NA | < 5 | < 10 | < 2.0 | < 5.0 | < 10 |
| | SWL0027 | VOCs | Chloromethane | 8240/60 | ug/l | < 1 | < 1 | < 1 | 2.6 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA |
| | | | Freon 12 | 8240/60 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | 1.4 | NA | NA | NA | NA | NA | NA | NA |
| | SWL0030 | VOCs | Carbon disulfide | 8240/60 | ug/l | NA | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | NA | NA | < 2 | < 10 | < 2.0 | < 1.0 | 0.53 |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 0.50 | 0.25 | < 1.0 | < 1.0 |
| | | | Tetrachloroethene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 1.0 | 1.1 | 3.8 |
| | | | Trichloroethene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 1.1 | NA | NA | < 1 | < 1.0 | 1.2 | 4.6 | 21 |
| | SWL0033 | VOCs | Benzene | 8240/60 | ug/l | 29 | 21 | 18 | 15 | 14 | 11 | 8.0 | NA | NA | < 20 | 4.0 | 4.1 | 8.0 | 9.8 |
| | | | Chlorobenzene | 8010/21 | ug/l | 3500 | 2900 | 2600 | 4400 | 3000 | 3700 | 2900 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | 3600 | 2600 | 2900 | 3800 | 3500 | 2100 | NA | NA | 3200 | 2400 | 2300 | 2100 | 3500 |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | < 50 | < 50 | < 10 | < 20 | < 20 | < 30 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 10 | < 50 | < 10 | < 30 | < 20 | < 30 | < 20 | NA | NA | < 20 | < 50 | 37 | 68 | 45 |
| | | | 1,4-Dichlorobenzene | 8010/21 | ug/l | < 50 | < 50 | < 10 | < 20 | < 20 | < 30 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | < 100 | < 20 | 14 | < 30 | < 50 | < 30 | NA | NA | < 30 | 14 | 14 | 8.9 | 13 |
| | | | | 8270 | ug/l | 8.8 | 8.4 | 9.9 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFC | SWL0033 | VOCs | Ethylbenzene | 8240/60 | ug/l | 35 | < 100 | 35 | < 50 | 37 | < 50 | < 30 | NA | NA | < 30 | < 50 | < 100 | < 25 | < 20 |
| | | | Tetrachloroethene | 8010/21 | ug/l | < 50 | < 50 | < 10 | < 20 | < 20 | < 30 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 20 | < 100 | < 20 | < 50 | < 30 | < 50 | < 30 | NA | NA | < 30 | < 50 | < 100 | < 25 | 6.8 |
| | | | Toluene | 8240/60 | ug/l | 2.8 | 1.0 | 1.0 | 1.0 | < 0.78 | < 0.52 | < 3 | NA | NA | < 30 | < 1.0 | < 0.50 | < 1.0 | < 20 |
| | | | Trichloroethene | 8010/21 | ug/l | < 50 | < 50 | < 10 | < 20 | < 20 | < 30 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 20 | < 100 | < 20 | < 50 | < 30 | < 50 | < 30 | NA | NA | < 30 | < 50 | < 100 | < 25 | 33 |
| | SWL0035 | VOCs | Methylene chloride | 8240/60 | ug/l | < 1 | < 4.7 | < 1 | < 1 | < 1 | 1.2 | < 1 | NA | NA | NA | NA | NA | NA | < 10 |
| | SWL0040 | VOCs | Benzene | 8240/60 | ug/l | 90000 | 91000 | 95000 | 100000 | 110000 | 110000 | 120000 | NA | NA | 110000 | 72000 | 78000 | 49000 | NA |
| | | | Bromochloromethane | 8010/21 | ug/l | NA | 21.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Chlorobenzene | 8010/21 | ug/l | 2.7 | < 300 | < 50 | < 50 | < 50 | < 30 | < 200 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | NA | NA | < 1000 | 110 | < 2500 | < 500 | NA |
| | | | Chloroform | 8010/21 | ug/l | 8.1 | < 300 | < 50 | < 50 | < 50 | < 30 | < 200 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 500 | < 500 | < 500 | < 500 | < 500 | < 500 | < 500 | NA | NA | < 500 | < 1000 | < 2500 | < 500 | NA |
| | | | Dibromochloromethane | 8010/21 | ug/l | 0.65 | < 300 | < 50 | < 50 | < 50 | < 30 | < 200 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | NA | NA | < 1000 | < 1000 | < 2500 | < 500 | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | 3000 | 2600 | 3200 | 2700 | 3100 | 1500 | 3600 | NA | NA | 2500 | < 1000 | 1900 | 2100 | NA |
| | | | Methylene chloride | 8010/21 | ug/l | 1.9 | < 300 | < 50 | < 50 | < 200 | < 100 | < 500 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | NA | NA | < 1000 | < 5000 | < 2500 | < 500 | NA |
| | | | Naphthalene | 8240/60 | ug/l | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | NA | NA | < 1000 | 480 | < 2500 | 210 | NA |
| | | | | 8270 | ug/l | 520 | 610 | 490 | 399 | 480 | 550 | 530 | NA | NA | NA | NA | NA | NA | NA |
| | | | Trichloroethene | 8010/21 | ug/l | 2.5 | < 300 | < 50 | < 50 | < 50 | < 30 | < 200 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | NA | NA | < 1000 | < 1000 | < 2500 | < 500 | NA |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | < 1000 | NA | NA | < 1000 | 170 | < 2500 | 270 | NA |
| | SWL0043 | VOCs | Xylenes (Ttl) | 8240/60 | ug/l | NA | < 1 | < 1 | < 1 | 1.6 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | NA |
| | SWL0053 | VOCs | Chloromethane | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | 0.31 | < 1.0 | < 2.0 | < 10 |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | 1.4 | < 1 | 2.3 | 1.0 | 0.23 | < 1.0 | < 1.0 | < 1.0 |
| | | | Freon 11 | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | < 2.0 | < 1.0 | 0.48 | < 10 |
| | | | Freon 12 | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 5 | < 5 | < 5 | < 5 | < 5 | < 2.0 | < 1.0 | 9.2 | < 1.0 |
| | | | Methylene chloride | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 2 | < 2 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | < 5.0 | 0.72 | < 1.0 | < 10 |
| | | | Tetrachloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | < 1.0 | < 1.0 | 4.0 | < 1.0 |
| | | | Trichloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 1 | < 1 | < 1 | < 1 | < 1 | < 1.0 | < 1.0 | 0.91 | < 1.0 |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFC | SWL0054 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 14 | 16 | < 5 | 11 | < 10 | 6.7 | 5.5 | 12 | < 100 |
| | | | Chloroform | 8010/21 | ug/l | NA | NA | NA | NA | NA | 6.2 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 5 | < 5 | < 5 | < 5 | < 10 | < 25 | < 100 | < 500 | < 200 |
| | | | 1,1-Dichloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | 16 | 25 | 19 | 28 | < 10 | 23 | 42 | 450 | < 200 |
| | | | cis-1,2-Dichloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 16 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 10 | < 10 | < 10 | < 20 | 14 | 31 | 250 | < 200 |
| | | | Tetrachloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 510 | 630 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | 340 | 450 | 360 | 460 | 430 | 350 | 660 | 8700 | 1100 |
| | | | Trichloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 1200 | 1900 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | 1100 | 1500 | 1200 | 1500 | 1800 | 1300 | 2300 | 31000 | 3600 |
| | SWL0055 | VOCs | Acetone | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 500 | < 500 | < 500 | < 500 | < 500 | < 500 | < 50 | < 10 | 18 |
| | | | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 8800 | 4600 | 5300 | 8000 | 4800 | 3300 | 640 | 39 | 0.31 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 50 | < 50 | < 50 | < 50 | < 50 | NA | NA | 0.34 | 0.35 |
| | | | Chloroethane | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 50 | < 50 | < 50 | < 50 | < 50 | < 100 | < 25 | < 2.0 | 0.68 |
| | | | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 400 | 290 | 210 | 200 | 62 | 31 | < 25 | 0.33 | < 1.0 |
| | | | Methyl Ethyl Ketone | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 300 | < 300 | < 300 | < 300 | < 300 | < 500 | < 50 | < 5.0 | 7.6 |
| | | | Naphthalene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 25 | < 1.0 | < 10 |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | < 5 | < 5 | < 5 | < 5 | < 5 | 1.5 | < 9.5 | NA | NA |
| | | | tert-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 50 | < 50 | < 50 | < 50 | < 50 | < 50 | < 25 | < 1.0 | 0.30 |
| | SWL0058 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 5 | < 5 | < 5 | < 10 | < 5 | 3.0 | 2.5 | NA | 1.5 |
| | | | sec-Butylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 10 | < 10 | < 20 | < 10 | NA | NA | NA | 0.83 |
| | | | Chlorobenzene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 1200 | 1300 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | 1300 | 1500 | 1100 | 1300 | 1100 | 1500 | 1100 | NA | 740 |
| | | | Chloroform | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 5 | 5.1 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 5 | < 5 | < 5 | < 10 | < 5 | < 25 | < 50 | NA | < 5.0 |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | NA | NA | NA | NA | NA | 8.5 | 14 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | 12 | 17 | 12 | < 10 | < 5 | < 25 | 20 | NA | 9.5 |
| | | | 1,4-Dichlorobenzene | 8010/21 | ug/l | NA | NA | NA | NA | NA | 11 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 10 | < 10 | < 20 | < 10 | 7.8 | 9.1 | NA | 3.5 |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | < 5 | < 5 | 6.3 | 5.2 | 6.8 | 3.7 | < 9.5 | NA | NA |
| | | | Tetrachloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 10 | < 10 | < 20 | < 10 | < 25 | < 50 | NA | 9.8 |
| | | | Trichloroethene | 8010/21 | ug/l | NA | NA | NA | NA | NA | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 10 | < 10 | < 10 | < 20 | < 10 | < 25 | < 50 | NA | 39 |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFC | XBF-01 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (11) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (13) |
| | XBF-02 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (47000) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (28000) |
| | | Pest/PCBs | o,p'-DDD | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (4.9) |
| | XBF-03 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (13000) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (710) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (61000) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.08) |
| | | | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.08) |
| | | | 4,4'-DDD | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.07) |
| | | | 4,4'-DDE | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.02) |
| | | | 4,4'-DDT | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.1) |
| | | | gamma-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.17) |
| | | | Heptachlor | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.0089) |
| | XBF-04 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 61 | < 100 | NA | NA | 23 | 33 | 41 | 56 | (<200) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 21000 | 13000 | NA | NA | 17000 | 18000 | 18000 | 18000 | (15000) |
| | | | 1,2-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 300 | < 200 | NA | NA | < 100 | < 250 | < 1000 | < 250 | (<200) |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | 5.5 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,3-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 300 | < 200 | NA | NA | < 100 | 40 | < 1000 | < 250 | (<200) |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | < 5 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 300 | < 200 | NA | NA | < 100 | 41 | < 1000 | < 250 | (<200) |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | 38 | 46 | NA | NA | NA | NA | NA | NA | NA |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 300 | < 200 | NA | NA | 110 | 120 | < 1000 | 160 | (170) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | NA | NA | 44000 | 42000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (64000) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.01) |
| | | | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.1) |
| | | | 4,4'-DDD | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.34) |
| | | | o,p'-DDD | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.48) |
| | XBF-05 | VOCs | Chlorobenzene | 8240/60 | ug/l | 590 | 550 | 320 | 220 | 94 | 48 | NA | NA | NA | 5.9 | 11 | 4.6 | 4.0 | (6.4) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 20 | < 100 | < 5 | < 5 | < 1 | < 1 | NA | NA | NA | < 1 | 0.11 | < 1.0 | < 1.0 | (<2) |
| | | | Toluene | 8240/60 | ug/l | 5.4 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | < 0.5 | < 1.0 | < 0.50 | < 1.0 | (<2) |
| | | pCBSA | pCBSA | 300.0 | ug/l | 2900 | < 100 | 930 | 240 | < 100 | < 100 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (18) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |

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# Table 3
# Time-Series Summary of Detected Groundwater Analytes
# Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFC | XBF-06 | VOCs | Acetone | 8240/60 | ug/l | < 3000 | < 5000 | < 2000 | < 500 | < 2000 | 2300 | < 3000 | NA | NA | < 2000 | < 5000 | < 2000 | < 2500 | (<200) |
| | | | Benzene | 8240/60 | ug/l | 160 | 180 | 160 | 140 | 180 | 110 | 160 | NA | NA | < 100 | 240 | < 1000 | 170 | (220) |
| | | | Chlorobenzene | 8240/60 | ug/l | 24000 | 25000 | 22000 | 9300 | 2500 | 19000 | 25000 | NA | NA | 26000 | 26000 | 23000 | 25000 | (26000) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 300 | < 0.5 | < 200 | 35 | < 200 | < 200 | < 300 | NA | NA | < 200 | 50 | < 1000 | < 250 | (65) |
| | | | | 8270 | ug/l | 31 | 36 | 21 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | < 300 | < 500 | < 200 | < 50 | < 200 | < 200 | < 300 | NA | NA | 380 | < 500 | < 1000 | < 250 | (<40) |
| | | | Toluene | 8240/60 | ug/l | 4.5 | 0.70 | < 0.5 | 3.5 | < 20 | 0.51 | < 0.5 | NA | NA | < 200 | < 500 | < 1000 | < 250 | (<40) |
| | | | Trichloroethene | 8240/60 | ug/l | < 300 | < 500 | < 200 | < 50 | < 200 | < 200 | < 300 | NA | NA | < 200 | < 500 | < 1000 | < 250 | (70) |
| | | pCBSA | pCBSA | 300.0 | ug/l | 110000 | 99000 | 89000 | 77000 | 80000 | 80000 | 75000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (78000) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.03) |
| | | | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.03) |
| | | | 4,4'-DDT | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.01) |
| | | | gamma-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.02) |
| | XBF-07 | VOCs | Acetone | 8240/60 | ug/l | < 5000 | < 5000 | < 2000 | < 5000 | < 2000 | 18000 | < 5000 | NA | NA | NA | NA | NA | NA | (<500) |
| | | | Benzene | 8240/60 | ug/l | 53 | 49 | 54 | 59 | 3.8 | 54 | 69 | NA | NA | NA | NA | NA | NA | (<100) |
| | | | Chlorobenzene | 8240/60 | ug/l | 41000 | 32000 | 27000 | 30000 | 34000 | 22000 | 32000 | NA | NA | NA | NA | NA | NA | (25000) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 500 | < 500 | < 200 | 100 | < 200 | < 500 | < 500 | NA | NA | NA | NA | NA | NA | (<100) |
| | | | Toluene | 8240/60 | ug/l | < 0.5 | 0.50 | < 0.5 | 0.94 | < 10 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | (<100) |
| | | | Trichloroethene | 8240/60 | ug/l | < 500 | < 500 | 220 | < 500 | < 200 | < 500 | < 500 | NA | NA | NA | NA | NA | NA | (110) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (72000) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.01) |
| | | | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.06) |
| | | | Heptachlor | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.01) |
| | XBF-09 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (19000) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (240) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (76000) |
| | | Pest/PCBs | 4,4'-DDD | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.5) |
| | | | o,p'-DDD | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1.9) |
| | XBF-10 | TPH | Ttl Rcvbl HC | 418 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1200) |
| | | VOCs | Acetone | 8240/60 | ug/l | < 10 | < 10 | < 10 | 11 | < 10 | < 10 | < 10 | NA | NA | < 10 | < 10 | < 2.0 | < 10 | (<10) |
| | | | Chlorobenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 1.0 | < 1.0 | (17) |
| | | pCBSA | pCBSA | 300.0 | ug/l | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | < 100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (320) |
| | | Metals | Ba (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (100) |
| | | | Ca (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (110000) |

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory reporting limit. Concentrations in parentheses '()' generated by Hargis + Associates

# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFC | XBF-10 | Metals | Ca (Total) | 6010T | ug/l | NA | NA | NA | NA | NA | 99000 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Cu (Total) | 6010T | ug/l | NA | NA | NA | NA | NA | < 20 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2) |
| | | | Fe (Total) | 6010T | ug/l | NA | NA | NA | NA | NA | < 40 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (16) |
| | | | K (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (6900) |
| | | | | 6010T | ug/l | NA | NA | NA | NA | NA | 5700 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Mg (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (29000) |
| | | | | 6010T | ug/l | NA | NA | NA | NA | NA | 27000 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Mn (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (20) |
| | | | | 6010T | ug/l | NA | NA | NA | NA | NA | 31 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Mo (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.3) |
| | | | Na (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (79000) |
| | | | | 6010T | ug/l | NA | NA | NA | NA | NA | 70000 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Pb (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.6) |
| | | | St (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2600) |
| | | | Zn (Total) | 6010T | ug/l | NA | NA | NA | NA | NA | 27 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (440) |
| | | Cyanide | Cyanide | 9014 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<25) |
| | | Gen Mins | Boron | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (140) |
| | | | Chloride | 300.0 | ug/l | NA | NA | NA | NA | NA | 110000 | NA | NA | NA | NA | NA | NA | NA | (140000) |
| | | | Hardness, Ttl (as CaCO3) | 2340B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (390000) |
| | | | pH | 150 | units | NA | NA | NA | NA | NA | 7.4 | NA | NA | NA | NA | NA | NA | NA | (7.51) |
| | | | Silicon | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (24000) |
| | | | Specific Conductivity | 120 | umhos | NA | NA | NA | NA | NA | 1000 | NA | NA | NA | NA | NA | NA | NA | (1200) |
| | | | Surfactants | 425 | ug/l | NA | NA | NA | NA | NA | 8600 | NA | NA | NA | NA | NA | NA | NA | (5200) |
| | | | TDS | 160 | ug/l | NA | NA | NA | NA | NA | 810000 | NA | NA | NA | NA | NA | NA | NA | (730000) |
| | | | Ttl Alkalinity (as CaCO3) | 2320B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (200000) |
| | | | | 310 | ug/l | NA | NA | NA | NA | NA | 180000 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Ttl Kjeldahl Nitrogen | 4500N | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1100) |
| | | | Ttl Organic Carbon | 415 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (53000) |
| | | Biodeg | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<110) |
| | | | Nitrite | 300.0 | ug/l | NA | NA | NA | NA | NA | < 5000 | NA | NA | NA | NA | NA | NA | NA | (<150) |
| | | | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | 130000 | NA | NA | NA | NA | NA | NA | NA | (200000) |
| | | Bacteria | Ttl Coliform | 9221E | CGB/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl Fluor Psdomon. | 9213F | TFP/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFC | XBF-10 | Bacteria | Ttl HT Plt Cnt | 9215B | cfu/m | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (240) |
| | XBF-11 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (8800) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (29000) |
| | XBF-12 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (330) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (11000) |
| | XBF-13 | VOCs | Acetone | 8240/60 | ug/l | < 3000 | < 2000 | < 2000 | < 2000 | < 2000 | 1100 | < 2000 | NA | NA | < 2000 | < 5000 | < 1000 | < 1200 | NA |
| | | | Benzene | 8240/60 | ug/l | 24000 | 23000 | 19000 | 25000 | 19000 | 15000 | 21000 | NA | NA | 20000 | 22000 | 19000 | 8700 | NA |
| | | | Bromochloromethane | 8010/21 | ug/l | NA | 26.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Chlorobenzene | 8010/21 | ug/l | < 50 | < 0.5 | < 50 | < 3 | < 50 | < 0.5 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 300 | < 200 | < 200 | < 200 | < 200 | < 100 | < 30 | NA | NA | < 200 | 170 | < 500 | < 120 | NA |
| | | | Chloroform | 8010/21 | ug/l | < 50 | 1.3 | < 50 | < 3 | < 50 | < 0.5 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 100 | < 100 | 110 | < 100 | < 50 | < 100 | NA | NA | < 100 | < 500 | < 500 | < 120 | NA |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | < 50 | < 0.5 | < 50 | < 3 | < 50 | < 0.5 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 200 | < 100 | < 100 | < 100 | < 100 | < 50 | 340 | NA | NA | < 100 | < 500 | NA | < 120 | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | 530 | 480 | 540 | 610 | 580 | 310 | 480 | NA | NA | 530 | 640 | 530 | 590 | NA |
| | | | Naphthalene | 8240/60 | ug/l | < 300 | < 200 | < 200 | < 200 | < 200 | < 100 | < 200 | NA | NA | < 200 | < 500 | < 500 | < 120 | NA |
| | | | | 8270 | ug/l | 9.4 | 12 | 13 | 12 | 7.5 | 8.8 | 7.0 | NA | NA | NA | NA | NA | NA | NA |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 300 | < 200 | < 200 | < 200 | < 200 | < 100 | < 200 | NA | NA | < 200 | 520 | < 500 | < 120 | NA |
| | XBF-14 | VOCs | Acetone | 8240/60 | ug/l | < 300 | < 2000 | < 200 | 380 | < 520 | < 310 | < 300 | NA | NA | < 200 | < 500 | < 200 | < 500 | (<10) |
| | | | Benzene | 8240/60 | ug/l | 8.5 | 5.4 | 7.5 | 8.7 | 5.0 | 5.4 | 7.5 | NA | NA | < 10 | 16 | 11 | 7.5 | (<2) |
| | | | Chlorobenzene | 8010/21 | ug/l | 2600 | 1300 | 2600 | 4100 | 3100 | 3300 | 2800 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | 2400 | 2100 | 2400 | 3400 | 2600 | 2300 | 3700 | NA | NA | 3000 | 3400 | 2300 | 2700 | (730) |
| | | | Chloromethane | 8010/21 | ug/l | < 50 | < 10 | < 10 | < 20 | < 20 | < 20 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | < 200 | < 20 | < 20 | 190 | < 20 | < 30 | NA | NA | < 20 | < 100 | < 100 | < 100 | (<1.5) |
| | | | 1,2-Dichlorobenzene | 8010/21 | ug/l | < 50 | < 10 | < 10 | < 20 | 38 | < 20 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | < 200 | < 20 | < 20 | < 20 | < 20 | < 30 | NA | NA | < 20 | < 50 | < 100 | < 50 | (<2) |
| | | | 1,4-Dichlorobenzene | 8010/21 | ug/l | < 50 | < 10 | < 10 | < 20 | < 20 | < 20 | < 10 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | < 200 | < 20 | 12 | < 20 | < 20 | < 30 | NA | NA | < 20 | 16 | < 100 | < 50 | (3.5) |
| | | | Methylene chloride | 8010/21 | ug/l | < 50 | < 10 | < 10 | < 20 | < 58 | < 50 | < 40 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | 310 | < 20 | < 20 | < 20 | < 20 | < 30 | NA | NA | < 20 | < 250 | < 100 | < 50 | (<5) |
| | | | Tetrachloroethene | 8010/21 | ug/l | < 50 | < 10 | 16 | < 20 | 31 | 44 | 26 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 30 | < 200 | < 20 | 20 | < 20 | 23 | 25 | NA | NA | 22 | 14 | < 100 | < 50 | (4.4) |
| | | | Toluene | 8240/60 | ug/l | 2.4 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 20 | < 1.0 | < 25 | < 1.0 | (<2) |
| | | pCBSA | pCBSA | 300.0 | ug/l | 25000 | 24000 | 28000 | 29000 | 23000 | 26000 | 23000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (5600) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |

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# Table 3
# Time-Series Summary of Detected Groundwater Analytes
# Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| MBFC | XBF-15 | TPH | Ttl Rcvbl HC | 418 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<1000) |
| | | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 27 | 31 | NA | NA | < 100 | 31 | 30 | 34 | (37) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 30000 | 25000 | NA | NA | 22000 | 19000 | 21000 | 19000 | (8300) |
| | | | 1,2-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 500 | < 300 | NA | NA | < 200 | < 250 | < 620 | < 250 | (<20) |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | 7.1 | 7.2 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 500 | < 300 | NA | NA | < 200 | 70 | 86 | 89 | (38) |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | 47 | 52 | NA | NA | NA | NA | NA | NA | NA |
| | | | Tetrachloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 500 | < 300 | NA | NA | < 200 | 170 | 360 | 490 | (80) |
| | | | Toluene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 0.5 | < 0.5 | NA | NA | < 200 | < 1.0 | 0.64 | < 1.0 | (<20) |
| | | | Trichloroethene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 500 | < 300 | NA | NA | < 200 | 55 | < 620 | < 250 | (<20) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | NA | NA | 110000 | 98000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (38000) |
| | | Pest/PCBs | alpha-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.76) |
| | | | beta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.63) |
| | | | delta-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.12) |
| | | | gamma-BHC | 8081A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.47) |
| | | Metals | Ba (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (72) |
| | | | Ca (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (260000) |
| | | | | 6010T | ug/l | NA | NA | NA | NA | NA | 150000 | 180000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Co (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1.5) |
| | | | Cu (Total) | 6010T | ug/l | NA | NA | NA | NA | NA | < 20 | < 20 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.1) |
| | | | Fe (Total) | 6010T | ug/l | NA | NA | NA | NA | NA | 51 | < 40 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (270) |
| | | | K (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (11000) |
| | | | | 6010T | ug/l | NA | NA | NA | NA | NA | 6800 | 6900 | NA | NA | NA | NA | NA | NA | NA |
| | | | Mg (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (87000) |
| | | | | 6010T | ug/l | NA | NA | NA | NA | NA | 51000 | 57000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Mn (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (330) |
| | | | | 6010T | ug/l | NA | NA | NA | NA | NA | 110 | 160 | NA | NA | NA | NA | NA | NA | NA |
| | | | Mo (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1.1) |
| | | | Na (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (160000) |
| | | | | 6010T | ug/l | NA | NA | NA | NA | NA | 96000 | 93000 | NA | NA | NA | NA | NA | NA | NA |
| | | | St (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3200) |
| | | | V (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1.2) |
| | | | Zn (Total) | 6010T | ug/l | NA | NA | NA | NA | NA | 43 | 35 | NA | NA | NA | NA | NA | NA | NA |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFC | XBF-15 | Metals | Zn (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (81) |
| | | Cyanide | Cyanide | 9014 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<25) |
| | | Gen Mins | Boron | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (410) |
| | | | Chloride | 300.0 | ug/l | NA | NA | NA | NA | NA | 360000 | 140000 | NA | NA | NA | NA | NA | NA | (330000) |
| | | | Hardness, Ttl (as CaCO3) | 2340B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1000000) |
| | | | pH | 150 | units | NA | NA | NA | NA | NA | 7.2 | 7.1 | NA | NA | NA | NA | NA | NA | (6.77) |
| | | | Silicon | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (33000) |
| | | | Specific Conductivity | 120 | umhos | NA | NA | NA | NA | NA | 1600 | 1600 | NA | NA | NA | NA | NA | NA | (2500) |
| | | | Surfactants | 425 | ug/l | NA | NA | NA | NA | NA | 2500 | 3100 | NA | NA | NA | NA | NA | NA | (470) |
| | | | TDS | 160 | ug/l | NA | NA | NA | NA | NA | 1200000 | 1300000 | NA | NA | NA | NA | NA | NA | (1600000) |
| | | | Ttl Alkalinity (as CaCO3) | 2320B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (580000) |
| | | | | 310 | ug/l | NA | NA | NA | NA | NA | 280000 | 350000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Ttl Organic Carbon | 415 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (19000) |
| | | Biodeg | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | < 500 | NA | NA | NA | NA | NA | NA | (<220) |
| | | | Nitrite | 300.0 | ug/l | NA | NA | NA | NA | NA | < 5000 | < 5000 | NA | NA | NA | NA | NA | NA | (<3000) |
| | | | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | 17000 | 280000 | NA | NA | NA | NA | NA | NA | (320000) |
| | | Bacteria | Ttl Coliform | 9221E | CGB/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl Fluor Psdomon. | 9213F | TFP/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl HT Plt Cnt | 9215B | cfu/m | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (20) |
| | XBF-16 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.9) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3000) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (7.7) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (19000) |
| | XBF-17 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (5200) |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (110) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (44000) |
| | XBF-19 | VOCs | All Analytes | | | NA | NA | NA | NA | NA | ND | ND | NA | NA | ND | ND | ND | ND | (ND) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | NA | NA | < 100 | < 100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | XBF-20 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2100) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (12000) |
| | XBF-21 | VOCs | Benzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 5.9 | < 50 | NA | NA | < 30 | 5.4 | 4.1 | 7.4 | (5) |
| | | | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | 6600 | 5800 | NA | NA | 5200 | 4900 | 4600 | 3300 | (1800) |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 50 | < 50 | NA | NA | < 30 | < 100 | < 250 | < 50 | (0.73) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 100 | < 100 | NA | NA | < 50 | 22 | < 250 | < 50 | (5.7) |
| | | | | 8270 | ug/l | NA | NA | NA | NA | NA | NA | 18 | NA | NA | NA | NA | NA | NA | NA |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFC | XBF-21 | VOCs | Ethylbenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 100 | < 100 | NA | NA | 170 | < 100 | < 250 | < 50 | (<2) |
| | | | Methyl Ethyl Ketone | 8240/60 | ug/l | NA | NA | NA | NA | NA | < 500 | < 500 | NA | NA | < 300 | < 1000 | 180 | < 250 | (<10) |
| | | pCBSA | pCBSA | 300.0 | ug/l | NA | NA | NA | NA | NA | 32000 | 31000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (21000) |
| | XBF-22 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (420) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (5500) |
| | XBF-23 | VOCs | Carbon disulfide | 8240/60 | ug/l | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | < 2 | NA | NA | < 2 | < 10 | < 2.0 | < 1.0 | 0.86 |
| | | | Chlorobenzene | 8240/60 | ug/l | 25 | 23 | 21 | 15 | 14 | 12 | 18 | NA | NA | 11 | 11 | 5.7 | 4.3 | 2.9 |
| | | | 2-Hexanone | 8240/60 | ug/l | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | < 5 | NA | NA | < 5 | NA | < 2.0 | < 5.0 | 7.7 |
| | | | tert-Butylbenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | 0.17 | < 1.0 | < 1.0 |
| | XBF-24 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (18000) |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (50) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (110000) |
| | XBF-25 | TPH | Ttl Rcvbl HC | 418 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<1000) |
| | | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (21) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (570) |
| | | Metals | As (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1.4) |
| | | | Ba (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (120) |
| | | | Ca (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (120000) |
| | | | Fe (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (50) |
| | | | K (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (6900) |
| | | | Mg (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (31000) |
| | | | Mn (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (20) |
| | | | Mo (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.3) |
| | | | Na (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (91000) |
| | | | St (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1400) |
| | | | Zn (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (400) |
| | | Cyanide | Cyanide | 9014 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<25) |
| | | Gen Mins | Boron | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (190) |
| | | | Chloride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (170000) |
| | | | Hardness, Ttl (as CaCO3) | 2340B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (440000) |
| | | | pH | 150 | units | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (7.46) |
| | | | Silicon | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (30000) |
| | | | Specific Conductivity | 120 | umhos | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1300) |
| | | | TDS | 160 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (740000) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFC | XBF-25 | Gen Mins | Ttl Alkalinity (as CaCO3) | 2320B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (230000) |
| | | | Ttl Organic Carbon | 415 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2300) |
| | | Biodeg | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<110) |
| | | | Nitrite | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<150) |
| | | | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (130000) |
| | | Bacteria | Ttl Coliform | 9221E | CGB/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl Fluor Psdomon. | 9213F | TFP/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl HT Plt Cnt | 9215B | cfu/m | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2000) |
| | XBF-26 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.6) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (120) |
| | XBF-27 | VOCs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | XBF-28 | VOCs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1500) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XBF-29 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (130) |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1.5) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1000) |
| | XBF-30 | VOCs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (13) |
| | XBF-31 | TPH | Ttl Rcvbl HC | 418 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<1000) |
| | | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (21) |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.67) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (150) |
| | | Metals | As (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (35) |
| | | | Ba (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (100) |
| | | | Ca (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (140000) |
| | | | Fe (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (31) |
| | | | K (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (6100) |
| | | | Mg (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (44000) |
| | | | Mn (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (240) |
| | | | Mo (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.1) |
| | | | Na (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (140000) |
| | | | St (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2000) |
| | | Cyanide | Cyanide | 9014 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<25) |
| | | Gen Mins | Boron | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (110) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MBFC | XBF-31 | Gen Mins | Chloride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (430000) |
| | | | Color | 2120B | color | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (10) |
| | | | Hardness, Ttl (as CaCO3) | 2340B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (540000) |
| | | | pH | 150 | units | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (7.61) |
| | | | o-Phosphate | 365 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (50) |
| | | | Phosphorus | 365 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (940) |
| | | | Se | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.2) |
| | | | Silicon | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (23000) |
| | | | Specific Conductivity | 120 | umhos | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1800) |
| | | | TDS | 160 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1100000) |
| | | | Ttl Alkalinity (as CaCO3) | 2320B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (210000) |
| | | | Ttl Organic Carbon | 415 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1200) |
| | | Biodeg | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<110) |
| | | | Nitrite | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<150) |
| | | | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (40000) |
| | | Bacteria | Ttl Coliform | 9221E | CGB/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl Fluor Psdomon. | 9213F | tfp/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (50) |
| | | | Ttl HT Plt Cnt | 9215B | cfu/m | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (130) |
| | XBF-32A | VOCs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (150) |
| | XBF-33 | VOCs | 1,2-Dichloroethane | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.66) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| Gage | SWL0020 | VOCs | Carbon disulfide | 8240/60 | ug/l | NA | < 2 | 3.4 | < 2 | < 2 | < 2 | < 2 | NA | NA | NA | NA | NA | NA | NA |
| | | | Chloromethane | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 3.0 | NA | NA | NA | NA | NA | NA | NA |
| | SWL0022 | VOCs | All Analytes | | | ND | ND | ND | ND | ND | ND | ND | NA | NA | NA | NA | NA | NA | NA |
| | SWL0025 | VOCs | Acetone | 8240/60 | ug/l | < 10 | < 10 | < 10 | < 10 | < 10 | < 10 | 14 | NA | NA | NA | NA | NA | NA | NA |
| | | | Carbon disulfide | 8240/60 | ug/l | NA | < 2 | 3.0 | < 2 | < 2 | 9.5 | < 2 | NA | NA | NA | NA | NA | NA | NA |
| | | | Chloroethane | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 4.3 | NA | NA | NA | NA | NA | NA | NA |
| | | | Chloromethane | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | 2.7 | NA | NA | NA | NA | NA | NA | NA |
| | SWL0026 | VOCs | Carbon disulfide | 8240/60 | ug/l | NA | 10 | < 2 | < 2 | < 2.6 | < 2 | < 2 | NA | NA | NA | NA | NA | NA | NA |
| | SWL0031 | VOCs | Benzene | 8240/60 | ug/l | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | 0.86 | NA | NA | NA | NA | NA | NA | < 0.50 |
| | | | Carbon disulfide | 8240/60 | ug/l | NA | < 2 | < 2 | < 2 | 3.0 | < 2 | < 2 | NA | NA | NA | NA | NA | NA | < 10 |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | 0.95 |
| | | | Trichloroethene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | NA | NA | NA | NA | 1.9 |
| | SWL0034 | VOCs | Benzene | 8240/60 | ug/l | 22 | 16 | 14 | 11 | 11 | 13 | 17 | NA | NA | < 50 | 33 | 39 | 51 | (45) |
| | | | Chlorobenzene | 8010/21 | ug/l | 8000 | 7100 | 5800 | 7900 | 6800 | 8800 | 11000 | NA | NA | NA | NA | NA | NA | NA |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Gage | SWL0034 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | 9400 | 6100 | 5400 | 6600 | 7200 | 7700 | NA | NA | 9200 | 9900 | 10000 | 8600 | (6600) |
| | | | 1,2-Dichlorobenzene | 8010/21 | ug/l | < 100 | < 50 | < 30 | < 30 | < 50 | < 30 | < 50 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | < 100 | < 50 | < 50 | < 50 | < 50 | < 100 | NA | NA | < 100 | < 100 | < 500 | < 100 | (4.3) |
| | | | | 8270 | ug/l | < 6 | < 6 | < 6 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,2-Dichloroethane | 8010/21 | ug/l | < 100 | < 50 | < 30 | < 30 | < 50 | < 30 | < 50 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 50 | < 50 | < 30 | < 30 | < 30 | < 30 | < 50 | NA | NA | < 50 | < 100 | < 500 | < 100 | (4.8) |
| | | | 1,4-Dichlorobenzene | 8010/21 | ug/l | < 100 | < 50 | < 30 | < 30 | < 50 | < 30 | < 50 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | NA | < 100 | < 50 | 8.7 | < 50 | < 50 | < 100 | NA | NA | < 100 | < 100 | < 500 | < 100 | (27) |
| | | | | 8270 | ug/l | 7.3 | 6.3 | 5.7 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Ethylbenzene | 8240/60 | ug/l | < 100 | < 100 | < 50 | < 50 | < 50 | < 50 | < 100 | NA | NA | < 100 | < 100 | < 500 | < 100 | (22) |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 100 | < 100 | < 50 | < 50 | < 50 | < 50 | < 100 | NA | NA | < 100 | < 100 | < 500 | < 100 | (3.5) |
| | | | Methyl Ethyl Ketone | 8240/60 | ug/l | < 500 | < 500 | < 300 | < 300 | < 300 | 55 | < 500 | NA | NA | < 500 | < 1000 | < 1000 | < 500 | (<10) |
| | | | Methylene chloride | 8010/21 | ug/l | < 100 | < 50 | < 30 | < 30 | < 200 | < 100 | < 200 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 100 | 120 | < 50 | < 50 | < 50 | < 50 | < 100 | NA | NA | < 100 | < 500 | < 500 | < 100 | (<5) |
| | | | n-Propylbenzene | 8240/60 | ug/l | < 100 | < 100 | < 50 | < 50 | < 50 | < 50 | < 100 | NA | NA | < 100 | < 100 | < 500 | < 100 | (2.6) |
| | | | Tetrachloroethene | 8010/21 | ug/l | < 100 | < 50 | < 30 | < 30 | < 50 | < 30 | < 50 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 100 | < 100 | < 50 | < 50 | < 50 | < 50 | < 100 | NA | NA | < 100 | < 100 | < 500 | < 100 | (8.5) |
| | | | Toluene | 8240/60 | ug/l | 5.0 | 0.52 | 0.58 | < 0.75 | < 0.5 | < 0.5 | < 10 | NA | NA | < 100 | < 1.0 | 0.67 | < 1.0 | (2.7) |
| | | | Trichloroethene | 8010/21 | ug/l | < 100 | < 50 | < 30 | < 30 | < 50 | < 30 | < 50 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8240/60 | ug/l | < 100 | < 100 | < 50 | < 50 | < 50 | < 50 | < 100 | NA | NA | < 100 | < 100 | < 500 | < 100 | (8.7) |
| | | | 1,2,4-Trimethylbenzene | 8240/60 | ug/l | < 100 | < 100 | < 50 | < 50 | < 50 | < 50 | < 100 | NA | NA | < 100 | < 100 | < 500 | < 100 | (6.5) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 100 | < 100 | < 50 | < 50 | < 50 | < 50 | < 100 | NA | NA | < 100 | < 100 | < 500 | < 100 | (50) |
| | | pCBSA | pCBSA | 300.0 | ug/l | 36000 | 34000 | 33000 | 25000 | 35000 | 38000 | 39000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (49000) |
| | SWL0036 | VOCs | Ethylbenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 1.0 | 0.30 | 1.1 |
| | | | Methylene chloride | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | 2.1 | < 1 | NA | NA | < 1 | < 5.0 | < 1.0 | < 1.0 | < 10 |
| | | | Tetrachloroethene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 1.0 | < 1.0 | 0.34 |
| | | | Trichloroethene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 1.0 | < 1.0 | < 1.0 | 0.73 |
| | XDA-1B | VOCs | Benzene | 8240/60 | ug/l | < 0.5 | 0.87 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 0.61 | 0.46 | 0.46 | 1.1 |
| | | | Carbon Tetrachloride | 8240/60 | ug/l | < 0.5 | 1.1 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 1.0 | < 1.0 | < 1.0 | < 0.50 |
| | | | 1,1-Dichloroethene | 8240/60 | ug/l | < 0.5 | 1.0 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 1.0 | < 1.0 | < 1.0 | < 1.0 |
| | | | Freon 11 | 8240/60 | ug/l | < 1 | 1.5 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 2.0 | < 1.0 | < 2.0 | < 10 |
| | | | Methylene chloride | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | < 5.0 | 0.41 | < 1.0 | < 10 |
| | | | Naphthalene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | 1.1 | < 1 | NA | NA | < 1 | < 1.0 | < 1.0 | < 1.0 | < 10 |
| | XG-01 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (990) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.1) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Gage | XG-01 | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (5900) |
| | XG-02 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (17000) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (27000) |
| | | Pest/PCBs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | XG-03 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (470) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2.3) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3700) |
| | XG-04 | VOCs | Acetone | 8240/60 | ug/l | < 50 | < 2000 | < 50 | < 1000 | < 50 | 92 | < 50 | NA | NA | 28 | NA | < 10 | < 10 | (<10) |
| | | | Benzene | 8240/60 | ug/l | < 0.5 | 0.73 | 0.99 | 0.59 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 0.5 | < 2.0 | < 5.0 | < 1.0 | (<2) |
| | | | Chlorobenzene | 8240/60 | ug/l | 530 | 480 | 620 | 1100 | 700 | 550 | 380 | NA | NA | 160 | 110 | 120 | 67 | (96) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 5 | < 200 | < 5 | < 100 | < 5 | < 5 | < 5 | NA | NA | < 1 | 0.85 | < 5.0 | 0.49 | (<2) |
| | | | cis-1,2-Dichloroethene | 8240/60 | ug/l | < 5 | < 200 | < 5 | < 100 | < 5 | < 5 | < 5 | NA | NA | < 1 | < 1.0 | < 5.0 | 0.48 | (<2) |
| | | | Naphthalene | 8240/60 | ug/l | < 5 | < 200 | < 5 | < 100 | < 5 | < 5 | < 5 | NA | NA | 3.3 | < 2.0 | < 5.0 | < 1.0 | (<5) |
| | | | Toluene | 8240/60 | ug/l | 2.2 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | < 1 | < 2.0 | < 5.0 | < 1.0 | (<2) |
| | | | Trichloroethene | 8240/60 | ug/l | < 5 | < 200 | < 5 | < 100 | < 5 | < 5 | < 5 | NA | NA | < 1 | 0.83 | 3.8 | 8.1 | (18) |
| | | pCBSA | pCBSA | 300.0 | ug/l | 3500 | < 100 | 3700 | 3600 | NA | 3100 | 1500 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (470) |
| | XG-05 | VOCs | Acetone | 8240/60 | ug/l | < 500 | < 2000 | < 500 | 1200 | < 1000 | < 1000 | < 500 | NA | NA | < 500 | < 1000 | < 500 | < 500 | (<10) |
| | | | Benzene | 8240/60 | ug/l | 5.3 | 5.3 | 6.8 | 6.7 | < 10 | 4.7 | 5.7 | NA | NA | < 30 | 4.8 | 4.5 | 3.4 | (3.8) |
| | | | Chlorobenzene | 8240/60 | ug/l | 8600 | 8000 | 8300 | 7600 | 6600 | 6900 | 5600 | NA | NA | 5400 | 6300 | 5000 | 3800 | (3500) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 50 | < 200 | < 50 | < 100 | < 100 | < 100 | < 50 | NA | NA | < 50 | 20 | < 250 | < 50 | (9.9) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 50 | < 200 | < 50 | < 100 | < 100 | < 100 | < 50 | NA | NA | < 50 | < 100 | < 250 | < 50 | (4.7) |
| | | pCBSA | pCBSA | 300.0 | ug/l | 27000 | 26000 | 26000 | 23000 | 25000 | 25000 | 23000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (8700) |
| | XG-06 | VOCs | Acetone | 8240/60 | ug/l | < 500 | < 2000 | < 200 | 470 | < 200 | < 500 | < 500 | NA | NA | < 300 | < 5000 | < 200 | < 500 | (<50) |
| | | | Benzene | 8240/60 | ug/l | < 0.5 | 1.7 | 2.0 | 2.4 | 6.5 | 1.3 | 1.5 | NA | NA | < 20 | 96 | 2.2 | 1.7 | (<10) |
| | | | Chlorobenzene | 8240/60 | ug/l | 2300 | 2100 | 2600 | 3500 | 3200 | 2900 | 2900 | NA | NA | 2900 | 33000 | 3000 | 2700 | (2000) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 50 | < 200 | < 20 | < 20 | < 20 | < 50 | < 50 | NA | NA | < 30 | 69 | < 100 | < 50 | (<10) |
| | | | Methylene chloride | 8240/60 | ug/l | < 50 | < 200 | < 20 | < 20 | < 20 | < 50 | 120 | NA | NA | < 30 | < 2500 | < 100 | < 50 | (<25) |
| | | | Trichloroethene | 8240/60 | ug/l | < 50 | < 200 | < 20 | < 20 | < 20 | < 50 | < 50 | NA | NA | < 30 | 140 | < 100 | < 50 | (<10) |
| | | pCBSA | pCBSA | 300.0 | ug/l | 19000 | 18000 | 20000 | 20000 | < 100 | 23000 | 22000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (17000) |
| | XG-08 | VOCs | Acetone | 8240/60 | ug/l | < 50 | < 100 | < 50 | < 100 | < 20 | 110 | < 50 | NA | NA | < 100 | < 500 | < 500 | < 500 | (<10) |
| | | | Benzene | 8240/60 | ug/l | < 3 | < 5 | < 3 | < 5 | < 1 | < 3 | < 3 | NA | NA | < 5 | 7.1 | 7.6 | < 1.0 | (<2) |
| | | | Chlorobenzene | 8240/60 | ug/l | 270 | 360 | 280 | 400 | 330 | 220 | 430 | NA | NA | 1600 | 4700 | 4900 | 2400 | (710) |
| | | | Cyclohexane | 8240/60 | ug/l | < 50 | < 100 | < 50 | < 100 | < 20 | < 50 | < 50 | NA | NA | < 100 | 23 | < 500 | NA | NA |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Gage | XG-08 | VOCs | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 5 | < 10 | < 5 | < 10 | < 2 | < 5 | < 5 | NA | NA | < 10 | 7.6 | < 250 | < 50 | (<2) |
| | | pCBSA | pCBSA | 300.0 | ug/l | 1600 | < 100 | 1400 | 1700 | 1500 | 1800 | < 100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (4400) |
| | XG-09 | TPH | Ttl Rcvbl HC | 418 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<1000) |
| | | VOCs | Acetone | 8240/60 | ug/l | < 10 | < 10 | < 10 | < 10 | < 10 | 11 | < 10 | NA | NA | < 10 | < 10 | < 2.0 | < 10 | (<10) |
| | | | Benzene | 8240/60 | ug/l | 1.8 | 1.0 | 1.0 | < 0.5 | 0.57 | < 0.5 | < 0.5 | NA | NA | < 0.5 | 0.32 | 0.59 | 1.4 | (3.9) |
| | | | Chlorobenzene | 8240/60 | ug/l | < 1 | 1.0 | 1.1 | < 1 | < 1 | < 1 | < 1 | NA | NA | 1.1 | 5.8 | 15 | 83 | (370) |
| | | | Ethylbenzene | 8240/60 | ug/l | 17 | 13 | 12 | 8.6 | 7.8 | 4.0 | 5.9 | NA | NA | 5.6 | 7.4 | 9.6 | 19 | (16) |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.11 | < 1.0 | 0.29 | (<2) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 6.1 | < 1.0 | < 1.0 | (<2) |
| | | pCBSA | pCBSA | 300.0 | ug/l | 1000 | 1600 | 720 | 770 | 620 | 670 | 210 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (7600) |
| | | Metals | Ba (Dissolved) | 6010D | ug/l | 61 | 55 | 56 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Ba (Total) | 6010T | ug/l | 61 | 57 | 55 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (85) |
| | | | Ca (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (78000) |
| | | | Ca (Dissolved) | 6010D | ug/l | 90000 | 85000 | 84000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Ca (Total) | 6010T | ug/l | 90000 | 86000 | 79000 | 76000 | 73000 | 71000 | 73000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Fe (Dissolved) | 6010D | ug/l | < 150 | 55 | < 83 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Fe (Total) | 6010T | ug/l | < 150 | 160 | 210 | < 100 | < 40 | 95 | < 40 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (88) |
| | | | Hg (Total) | 7470A | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (0.2) |
| | | | Hg (Dissolved) | 7470D | ug/l | < 0.2 | < 0.2 | < 0.2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Hg (Total) | 7470T | ug/l | < 0.2 | < 0.2 | < 0.2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | K (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (4600) |
| | | | K (Dissolved) | 6010D | ug/l | 4300 | 4100 | 4100 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | K (Total) | 6010T | ug/l | 4300 | 4200 | 4000 | 4100 | 4000 | 3800 | 3900 | NA | NA | NA | NA | NA | NA | NA |
| | | | Mg (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (20000) |
| | | | Mg (Dissolved) | 6010D | ug/l | 22000 | 21000 | 20000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Mg (Total) | 6010T | ug/l | 22000 | 21000 | 19000 | 20000 | 19000 | 19000 | 20000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Mn (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (40) |
| | | | Mn (Dissolved) | 6010D | ug/l | 62 | 54 | 53 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Mn (Total) | 6010T | ug/l | 62 | 56 | 52 | 50 | 18 | 50 | 47 | NA | NA | NA | NA | NA | NA | NA |
| | | | Mo (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3.4) |
| | | | Na (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (58000) |
| | | | Na (Dissolved) | 6010D | ug/l | 59000 | 56000 | 54000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Gage | XG-09 | Metals | Na (Total) | 6010T | ug/l | 59000 | 57000 | 54000 | 54000 | 52000 | 51000 | 50000 | NA | NA | NA | NA | NA | NA | NA |
| | | | St (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (920) |
| | | Cyanide | Cyanide | 9014 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<25) |
| | | Gen Mins | Boron | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (140) |
| | | | Chloride | 300.0 | ug/l | NA | NA | NA | 85000 | 85000 | 66000 | 70000 | NA | NA | NA | NA | NA | NA | (92000) |
| | | | | 325 | ug/l | 94000 | 91000 | 85000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Fluoride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (520) |
| | | | | 340 | ug/l | 290 | 410 | 320 | 440 | 450 | 280 | 270 | NA | NA | NA | NA | NA | NA | NA |
| | | | Hardness, Ttl (as CaCO3) | 2340B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (280000) |
| | | | pH | 150 | units | 7.9 | 7.7 | 8.0 | 7.6 | 7.6 | 7.9 | 7.6 | NA | NA | NA | NA | NA | NA | (7.79) |
| | | | Silicon | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (27000) |
| | | | Specific Conductivity | 120 | umhos | 770 | 800 | 780 | 8500 | 850 | 790 | 740 | NA | NA | NA | NA | NA | NA | (820) |
| | | | Sulfide | 376 | ug/l | NA | NA | NA | NA | 200 | 300 | 200 | NA | NA | NA | NA | NA | NA | (240) |
| | | | Surfactants | 425 | ug/l | 10000 | 4000 | 10000 | 6300 | 5900 | 5500 | 6100 | NA | NA | NA | NA | NA | NA | (4900) |
| | | | TDS | 160 | ug/l | 580000 | 550000 | 500000 | 530000 | 520000 | 520000 | 530000 | NA | NA | NA | NA | NA | NA | (530000) |
| | | | Ttl Alkalinity (as CaCO3) | 2320B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (180000) |
| | | | | 310 | ug/l | 190000 | 170000 | 180000 | 170000 | 170000 | 180000 | 180000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Ttl Organic Carbon | 415 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (25000) |
| | | Biodeg | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | 680 | NA | NA | NA | NA | NA | NA | (<110) |
| | | | | 353 | ug/l | < 50 | < 50 | < 50 | < 50 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Nitrite | 300.0 | ug/l | NA | NA | NA | NA | < 200 | < 5000 | < 5000 | NA | NA | NA | NA | NA | NA | (<150) |
| | | | Sulfate | 300.0 | ug/l | NA | NA | NA | 75000 | 100000 | 74000 | 76000 | NA | NA | NA | NA | NA | NA | (77000) |
| | | | | 375 | ug/l | 89000 | 76000 | 76000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | Bacteria | Ttl Coliform | 9221E | CGB/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl Fluor Psdomon. | 9213F | TFP/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl HT Plt Cnt | 9215B | cfu/m | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (15) |
| | XG-11 | TPH | Ttl Rcvbl HC | 418 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (2200) |
| | | VOCs | Chlorobenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.82 | 1.2 | < 1.0 | (15) |
| | | | Isopropylbenzene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 0.18 | < 1.0 | < 1.0 | (<2) |
| | | | Naphthalene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | 1.7 | < 1 | NA | NA | < 1 | < 1.0 | < 1.0 | 0.74 | (<5) |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | pCBSA | pCBSA | 300.0 | ug/l | 440 | < 100 | 360 | 400 | 380 | 480 | < 100 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (4800) |
| | | Metals | Ba (Dissolved) | 6010D | ug/l | 48 | 47 | 47 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Ba (Total) | 6010T | ug/l | 48 | 46 | 48 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (63) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Gage | XG-11 | Metals | Ca (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (60000) |
| | | | Ca (Dissolved) | 6010D | ug/l | 65000 | 66000 | 64000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Ca (Total) | 6010T | ug/l | 65000 | 69000 | 65000 | NA | NA | NA | 61000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Fe (Dissolved) | 6010D | ug/l | < 40 | < 40 | < 43 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Fe (Total) | 6010T | ug/l | < 40 | < 40 | < 99 | NA | NA | NA | < 40 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (36) |
| | | | K (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3800) |
| | | | K (Dissolved) | 6010D | ug/l | 3700 | 3600 | 3400 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | K (Total) | 6010T | ug/l | 3700 | 3600 | 3500 | NA | NA | NA | 3200 | NA | NA | NA | NA | NA | NA | NA |
| | | | Mg (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (15000) |
| | | | Mg (Dissolved) | 6010D | ug/l | 16000 | 17000 | 15000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Mg (Total) | 6010T | ug/l | 16000 | 17000 | 15000 | NA | NA | NA | 15000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Mn (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (40) |
| | | | Mn (Dissolved) | 6010D | ug/l | 53 | 52 | 47 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Mn (Total) | 6010T | ug/l | 53 | 50 | 48 | NA | NA | NA | 47 | NA | NA | NA | NA | NA | NA | NA |
| | | | Mo (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (4) |
| | | | Na (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (51000) |
| | | | Na (Dissolved) | 6010D | ug/l | 52000 | 52000 | 49000 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Na (Total) | 6010T | ug/l | 52000 | 53000 | 50000 | NA | NA | NA | 45000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Pb (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1.4) |
| | | | Pb (Dissolved) | 7421D | ug/l | < 2 | < 2 | < 2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Pb (Total) | 7421T | ug/l | < 2 | < 2 | < 2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | St (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (670) |
| | | | Zn (Dissolved) | 6010D | ug/l | < 14 | < 10 | < 10 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Zn (Total) | 6010T | ug/l | < 14 | < 10 | < 10 | NA | NA | NA | 20 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (98) |
| | | Cyanide | Cyanide | 9014 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<25) |
| | | Gen Mins | Boron | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (140) |
| | | | Chloride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | 52000 | NA | NA | NA | NA | NA | NA | (62000) |
| | | | Fluoride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (540) |
| | | | | 340 | ug/l | NA | NA | NA | NA | NA | NA | 280 | NA | NA | NA | NA | NA | NA | NA |
| | | | Hardness, Ttl (as CaCO3) | 2340B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (210000) |
| | | | pH | 150 | units | NA | NA | NA | NA | NA | NA | 8.0 | NA | NA | NA | NA | NA | NA | (8.03) |
| | | | Silicon | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (26000) |
| | | | Specific Conductivity | 120 | umhos | NA | NA | NA | NA | NA | NA | 640 | NA | NA | NA | NA | NA | NA | (670) |
| | | | Surfactants | 425 | ug/l | NA | NA | NA | NA | NA | NA | 100 | NA | NA | NA | NA | NA | NA | (100) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Gage | XG-11 | Gen Mins | TDS | 160 | ug/l | NA | NA | NA | NA | NA | NA | 390000 | NA | NA | NA | NA | NA | NA | (410000) |
| | | | Ttl Alkalinity (as CaCO3) | 2320B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (180000) |
| | | | | 310 | ug/l | NA | NA | NA | NA | NA | NA | 190000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Ttl Kjeldahl Nitrogen | 4500N | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1400) |
| | | | Ttl Organic Carbon | 415 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3100) |
| | | Biodeg | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | < 500 | NA | NA | NA | NA | NA | NA | (<110) |
| | | | Nitrite | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | < 5000 | NA | NA | NA | NA | NA | NA | (<150) |
| | | | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | 63000 | NA | NA | NA | NA | NA | NA | (67000) |
| | | Bacteria | Ttl Coliform | 9221E | CGB/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl Fluor Psdomon. | 9213F | TFP/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl HT Plt Cnt | 9215B | CFU/M | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<1) |
| | XG-12 | VOCs | Acetone | 8240/60 | ug/l | < 200 | < 1000 | < 200 | 100 | < 100 | 240 | < 300 | NA | NA | NA | NA | NA | NA | NA |
| | | | Benzene | 8240/60 | ug/l | 23 | 22 | 31 | 24 | 23 | 19 | 19 | NA | NA | NA | NA | NA | NA | NA |
| | | | Chlorobenzene | 8240/60 | ug/l | 1200 | 1300 | 1200 | 1600 | 1400 | 1100 | 1100 | NA | NA | NA | NA | NA | NA | NA |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 20 | < 100 | < 20 | 3.8 | < 10 | < 10 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Naphthalene | 8240/60 | ug/l | < 20 | < 100 | < 20 | < 10 | < 10 | 13 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 8270 | ug/l | < 5 | < 5 | < 5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | Toluene | 8240/60 | ug/l | < 0.5 | 0.80 | < 0.5 | < 0.5 | < 3 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | NA |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 20 | < 100 | < 20 | < 10 | 60 | < 10 | < 30 | NA | NA | NA | NA | NA | NA | NA |
| | XG-13 | TPH | Ttl Rcvbl HC | 418 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<1000) |
| | | VOCs | Acetone | 8240/60 | ug/l | < 500 | < 2000 | < 200 | 260 | < 200 | < 300 | < 300 | NA | NA | NA | NA | NA | NA | (<10) |
| | | | Benzene | 8240/60 | ug/l | < 0.5 | 2.0 | 2.2 | 2.2 | 1.6 | 1.6 | 1.6 | NA | NA | NA | NA | NA | NA | (2.6) |
| | | | Chlorobenzene | 8240/60 | ug/l | 1600 | 1800 | 2000 | 2100 | 2600 | 1800 | 3000 | NA | NA | NA | NA | NA | NA | (4400) |
| | | | 1,4-Dichlorobenzene | 8240/60 | ug/l | < 50 | < 200 | < 20 | 2.6 | < 20 | < 30 | < 30 | NA | NA | NA | NA | NA | NA | (4.6) |
| | | | Toluene | 8240/60 | ug/l | 2.6 | 0.65 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Xylenes (Ttl) | 8240/60 | ug/l | < 50 | < 200 | < 20 | < 20 | < 20 | < 30 | < 30 | NA | NA | NA | NA | NA | NA | (2.9) |
| | | pCBSA | pCBSA | 300.0 | ug/l | 22000 | 23000 | 24000 | 24000 | 24000 | 25000 | 23000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (26000) |
| | | Metals | As (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1.1) |
| | | | Ba (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (40) |
| | | | Ca (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (63000) |
| | | | | 6010T | ug/l | NA | NA | NA | NA | NA | NA | 56000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Fe (Total) | 6010T | ug/l | NA | NA | NA | NA | NA | NA | < 40 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (95) |
| | | | K (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (5100) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Gage | XG-13 | Metals | K (Total) | 6010T | ug/l | NA | NA | NA | NA | NA | NA | 4100 | NA | NA | NA | NA | NA | NA | NA |
| | | | Mg (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (17000) |
| | | | | 6010T | ug/l | NA | NA | NA | NA | NA | NA | 17000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Mn (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (60) |
| | | | | 6010T | ug/l | NA | NA | NA | NA | NA | NA | 47 | NA | NA | NA | NA | NA | NA | NA |
| | | | Mo (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (4.1) |
| | | | Na (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (52000) |
| | | | | 6010T | ug/l | NA | NA | NA | NA | NA | NA | 44000 | NA | NA | NA | NA | NA | NA | NA |
| | | | St (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (720) |
| | | Cyanide | Cyanide | 9014 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<25) |
| | | Gen Mins | Boron | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (150) |
| | | | Chloride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | 40000 | NA | NA | NA | NA | NA | NA | (49000) |
| | | | Fluoride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (520) |
| | | | | 340 | ug/l | NA | NA | NA | NA | NA | NA | 450 | NA | NA | NA | NA | NA | NA | NA |
| | | | Hardness, Ttl (as CaCO3) | 2340B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (230000) |
| | | | pH | 150 | units | NA | NA | NA | NA | NA | NA | 8.1 | NA | NA | NA | NA | NA | NA | (7.89) |
| | | | o-Phosphate | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | < 1000 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 365 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (50) |
| | | | Phosphorus | 365 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (60) |
| | | | Silicon | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (27000) |
| | | | Specific Conductivity | 120 | umhos | NA | NA | NA | NA | NA | NA | 620 | NA | NA | NA | NA | NA | NA | (670) |
| | | | Surfactants | 425 | ug/l | NA | NA | NA | NA | NA | NA | 190 | NA | NA | NA | NA | NA | NA | (130) |
| | | | TDS | 160 | ug/l | NA | NA | NA | NA | NA | NA | 410000 | NA | NA | NA | NA | NA | NA | (420000) |
| | | | Ttl Alkalinity (as CaCO3) | 2320B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (180000) |
| | | | | 310 | ug/l | NA | NA | NA | NA | NA | NA | 180000 | NA | NA | NA | NA | NA | NA | NA |
| | | | Ttl Organic Carbon | 415 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (13000) |
| | | Biodeg | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | < 500 | NA | NA | NA | NA | NA | NA | (<110) |
| | | | Nitrite | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | < 200 | NA | NA | NA | NA | NA | NA | (<150) |
| | | | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | 67000 | NA | NA | NA | NA | NA | NA | (67000) |
| | | Bacteria | Ttl Coliform | 9221E | CGB/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl Fluor Psdomon. | 9213F | TFP/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl HT Plt Cnt | 9215B | cfu/m | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (5) |
| | XG-14 | VOCs | cis-1,2-Dichloroethene | 8240/60 | ug/l | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | NA | NA | < 1 | 1.7 | < 10 | 4.4 | 12 |
| | | | Trichloroethene | 8240/60 | ug/l | 51 | 51 | 61 | 54 | 58 | 54 | 86 | NA | NA | 130 | 240 | 180 | 180 | 120 |
| | XG-15 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (13) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gage | XG-16 | TPH | Ttl Rcvbl HC | 418 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3600) |
| | | VOCs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Metals | Ba (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (48) |
| | | | Ca (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (43000) |
| | | | Fe (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (29) |
| | | | K (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (4400) |
| | | | Mg (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (12000) |
| | | | Mo (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (4.9) |
| | | | Na (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (44000) |
| | | | St (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (540) |
| | | | Zn (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (63) |
| | | Cyanide | Cyanide | 9014 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<25) |
| | | Gen Mins | Boron | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (130) |
| | | | Chloride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (31000) |
| | | | Fluoride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (550) |
| | | | Hardness, Ttl (as CaCO3) | 2340B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (160000) |
| | | | pH | 150 | units | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (8.03) |
| | | | Silicon | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (23000) |
| | | | Specific Conductivity | 120 | umhos | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (500) |
| | | | TDS | 160 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (300000) |
| | | | Ttl Alkalinity (as CaCO3) | 2320B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (180000) |
| | | | Ttl Organic Carbon | 415 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1000) |
| | | Biodeg | Nitrate (as N) | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<110) |
| | | | Nitrite | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<150) |
| | | | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (35000) |
| | | Bacteria | Ttl Coliform | 9221E | CGB/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl Fluor Psdomon. | 9213F | TFP/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl HT Plt Cnt | 9215B | CFU/M | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<1) |
| | XG-17 | VOCs | Acetone | 8240/60 | ug/l | < 50 | < 100 | < 100 | < 50 | < 20 | 130 | < 50 | NA | NA | < 20 | < 50 | < 50 | < 50 | (<10) |
| | | | Benzene | 8240/60 | ug/l | < 0.5 | 1.3 | 1.4 | 1.4 | 1.1 | 1.4 | 0.96 | NA | NA | < 1 | 1.3 | < 25 | 1.5 | (<2) |
| | | | Chlorobenzene | 8240/60 | ug/l | 220 | 290 | 320 | 320 | 310 | 220 | 330 | NA | NA | 250 | 270 | 390 | 280 | (430) |
| | | | 1,2-Dichloroethane | 8240/60 | ug/l | < 3 | < 5 | < 5 | < 3 | < 1 | < 3 | < 3 | NA | NA | < 1 | < 5.0 | < 25 | < 5.0 | (3.6) |
| | | | Methylene chloride | 8240/60 | ug/l | 5.2 | < 34 | < 10 | < 5 | < 2 | < 5 | < 5 | NA | NA | < 2 | < 25 | < 25 | < 5.0 | (<5) |
| | | | Tetrachloroethene | 8240/60 | ug/l | < 5 | < 10 | < 10 | < 5 | < 2 | < 5 | < 5 | NA | NA | < 2 | < 5.0 | < 25 | < 5.0 | (3.1) |
| | | | Trichloroethene | 8240/60 | ug/l | < 5 | < 10 | < 10 | < 5 | < 2 | < 5 | < 5 | NA | NA | < 2 | < 5.0 | < 25 | < 5.0 | (15) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| HSU | Location | Analyte Class | Analyte | Method | Units | 1994 May | 1994 Jul | 1994 Oct | 1995 Mar | 1995 Jun | 1995 Oct | 1996 Feb | 1996 May | 1996 Oct | 1997 Jan | 1998 Jan | 1999 Jan | 2000 Jul | 2004 Jan |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gage | XG-17 | pCBSA | pCBSA | 300.0 | ug/l | 5200 | 4800 | 5000 | 4600 | 4700 | 4700 | 3700 | NA | NA | NA | NA | NA | NA | NA |
| | | | | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (4500) |
| | XG-18 | VOCs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | XG-19 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (12000) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (53000) |
| | XLG-01 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (9.5) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (11000) |
| | XLG-02 | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (120) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (14000) |
| Lynwood | XLW-01 | TPH | Ttl Rcvbl HC | 418 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<1000) |
| | | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (64) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (470) |
| | | Metals | As (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1.6) |
| | | | Ba (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (16) |
| | | | Ca (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (27000) |
| | | | Fe (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (41) |
| | | | K (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (9100) |
| | | | Mg (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (7900) |
| | | | Mn (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (30) |
| | | | Na (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (46000) |
| | | | St (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (470) |
| | | Cyanide | Cyanide | 9014 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<25) |
| | | Gen Mins | Boron | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (120) |
| | | | Chloride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (23000) |
| | | | Fluoride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (580) |
| | | | Hardness, Ttl (as CaCO3) | 2340B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (100000) |
| | | | pH | 150 | units | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (8.19) |
| | | | Silicon | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (23000) |
| | | | Specific Conductivity | 120 | umhos | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (420) |
| | | | TDS | 160 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (210000) |
| | | | Ttl Alkalinity (as CaCO3) | 2320B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (190000) |
| | | | Ttl Organic Carbon | 415 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1400) |
| | | Biodeg | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (760) |
| | | Bacteria | Ttl Coliform | 9221E | CGB/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl Fluor Psdomon. | 9213F | TFP/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Analyte Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Lynwood | XLW-01 | Bacteria | Ttl HT Plt Cnt | 9215B | cfu/m | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (5) |
| | XLW-02 | TPH | Ttl Rcvbl HC | 418 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<1000) |
| | | VOCs | Chlorobenzene | 8240/60 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (8.4) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Metals | Ba (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (14) |
| | | | Ca (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (34000) |
| | | | Fe (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (140) |
| | | | K (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3100) |
| | | | Mg (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (9000) |
| | | | Mn (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (70) |
| | | | Na (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (41000) |
| | | | St (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (390) |
| | | | Zn (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (56) |
| | | Cyanide | Cyanide | 9014 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<25) |
| | | Gen Mins | Boron | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (110) |
| | | | Chloride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (20000) |
| | | | Fluoride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (570) |
| | | | Hardness, Ttl (as CaCO3) | 2340B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (120000) |
| | | | pH | 150 | units | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (8.08) |
| | | | Silicon | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (26000) |
| | | | Specific Conductivity | 120 | umhos | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (420) |
| | | | TDS | 160 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (290000) |
| | | | Ttl Alkalinity (as CaCO3) | 2320B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (180000) |
| | | | Ttl Organic Carbon | 415 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1400) |
| | | Biodeg | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<500) |
| | | Bacteria | Ttl Coliform | 9221E | CGB/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl Fluor Psdomon. | 9213F | TFP/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl HT Plt Cnt | 9215B | cfu/m | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (15) |
| | XLW-03 | TPH | Ttl Rcvbl HC | 418 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<1000) |
| | | VOCs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Metals | Ba (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (19) |
| | | | Ca (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (33000) |
| | | | Fe (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (47) |
| | | | K (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3300) |
| | | | Mg (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (8800) |

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# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Lynwood | XLW-03 | Metals | Mn (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (40) |
| | | | Na (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (41000) |
| | | | Pb (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1.6) |
| | | | St (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (400) |
| | | | Zn (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (83) |
| | | Cyanide | Cyanide | 9014 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<25) |
| | | Gen Mins | Boron | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (90) |
| | | | Chloride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (24000) |
| | | | Fluoride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (610) |
| | | | Hardness, Ttl (as CaCO3) | 2340B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (120000) |
| | | | pH | 150 | units | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (8.09) |
| | | | Silicon | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (24000) |
| | | | Specific Conductivity | 120 | umhos | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (420) |
| | | | TDS | 160 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (260000) |
| | | | Ttl Alkalinity (as CaCO3) | 2320B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (190000) |
| | | Biodeg | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<500) |
| | | Bacteria | Ttl Coliform | 9221E | CGB/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl Fluor Psdomon. | 9213F | TFP/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl HT Plt Cnt | 9215B | CFU/M | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<5) |
| | XLW-04 | TPH | Ttl Rcvbl HC | 418 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<1000) |
| | | VOCs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |
| | | Metals | As (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1.2) |
| | | | Ba (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (12) |
| | | | Ca (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (32000) |
| | | | Fe (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (160) |
| | | | K (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (3100) |
| | | | Mg (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (8600) |
| | | | Mn (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (90) |
| | | | Na (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (40000) |
| | | | St (Total) | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (390) |
| | | | Zn (Total) | 6020 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (66) |
| | | Cyanide | Cyanide | 9014 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<25) |
| | | Gen Mins | Boron | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (110) |
| | | | Chloride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (21000) |
| | | | Fluoride | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (590) |

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory reporting limit. Concentrations in parentheses '()' generated by Hargis + Associates

# Table 3
## Time-Series Summary of Detected Groundwater Analytes
## Del Amo 2004 Baseline Groundwater Monitoring Report

| | | Analyte | | | | 1994 | | | 1995 | | | 1996 | | | 1997 | 1998 | 1999 | 2000 | 2004 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSU | Location | Class | Analyte | Method | Units | May | Jul | Oct | Mar | Jun | Oct | Feb | May | Oct | Jan | Jan | Jan | Jul | Jan |
| Lynwood | XLW-04 | Gen Mins | Hardness, Ttl (as CaCO3) | 2340B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (120000) |
| | | | pH | 150 | units | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (7.88) |
| | | | Silicon | 6010B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (27000) |
| | | | Specific Conductivity | 120 | umhos | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (410) |
| | | | Sulfide | 376 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (700) |
| | | | TDS | 160 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (290000) |
| | | | Ttl Alkalinity (as CaCO3) | 2320B | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (180000) |
| | | | Ttl Organic Carbon | 415 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1600) |
| | | Biodeg | Sulfate | 300.0 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<500) |
| | | Bacteria | Ttl Coliform | 9221E | CGB/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl Fluor Psdomon. | 9213F | TFP/1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<2) |
| | | | Ttl HT Plt Cnt | 9215B | cfu/m | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (1000) |
| | XLW-06 | VOCs | All Analytes | | | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (ND) |
| | | pCBSA | pCBSA | 314 | ug/l | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | (<10) |

NA - Compound or compound class was not analyzed during this event. ND - Not detected above laboratory reporting limit. Concentrations in parentheses '()' generated by Hargis + Associates

# TABLE 4
# STATISTICAL SUMMARY OF DETECTED VOCS - DEL AMO BASELINE GROUNDWATER SAMPLING

| HSU | Compound | Times Analyzed | Detection Frequency (%) | Concentration Range Frequency (% by ug/l) | | | | | | Max. Conc. (ug/l) | MCL (ug/l) | Number/Frequency (%) of MCL Exceedences |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ND - < 1 | 1 - <10 | 10 - < 100 | 100 - < 1,000 | 1,000 - < 10,000 | >10,000 | | | |
| Water Table | **Benzene** | **65** | **66.2** | **43.1** | **21.5** | **9.2** | **4.6** | **9.2** | **12.3** | **610,000** | **1** | **37/56.9** |
| | **Trichloroethene** | **65** | **53.8** | **49.2** | **13.8** | **16.9** | **6.2** | **12.3** | **1.5** | **12,000** | **5** | **28/43.1** |
| | **Tetrachloroethene** | **65** | **47.7** | **55.4** | **9.2** | **12.3** | **13.8** | **9.2** | **0.0** | **8,200** | **5** | **24/36.9** |
| | **cis-1,2-Dichloroethene** | **65** | **29.2** | **70.8** | **7.7** | **15.4** | **4.6** | **1.5** | **0.0** | **2,500** | **6** | **16/24.6** |
| | **1,2-Dichloroethane** | **65** | **20.0** | **83.1** | **6.2** | **4.6** | **6.2** | **0.0** | **0.0** | **430** | **0.5** | **12/18.5** |
| | **Chlorobenzene** | **65** | **27.7** | **75.4** | **6.2** | **1.5** | **10.8** | **3.1** | **3.1** | **130,000** | **70** | **11/16.9** |
| | **1,1-Dichloroethene** | **65** | **21.5** | **78.5** | **10.8** | **9.2** | **1.5** | **0.0** | **0.0** | **320** | **6** | **8/12.3** |
| | **Carbon Tetrachloride** | **65** | **12.3** | **90.8** | **7.7** | **0.0** | **1.5** | **0.0** | **0.0** | **190** | **0.5** | **8/12.3** |
| | **1,1-Dichloroethane** | **65** | **21.5** | **80.0** | **12.3** | **6.2** | **1.5** | **0.0** | **0.0** | **130** | **5** | **6/9.2** |
| | **1,4-Dichlorobenzene** | **65** | **16.9** | **86.2** | **7.7** | **4.6** | **1.5** | **0.0** | **0.0** | **280** | **5** | **6/9.2** |
| | **Chloroform** | **65** | **41.5** | **64.6** | **9.2** | **16.9** | **3.1** | **4.6** | **1.5** | **20,000** | **100** | **6/9.2** |
| | **Ethylbenzene** | **65** | **30.8** | **72.3** | **7.7** | **7.7** | **3.1** | **6.2** | **3.1** | **16,000** | **700** | **6/9.2** |
| | **Toluene** | **65** | **24.6** | **78.5** | **3.1** | **9.2** | **1.5** | **6.2** | **1.5** | **22,000** | **150** | **6/9.2** |
| | **Vinyl chloride** | **65** | **7.7** | **95.4** | **1.5** | **3.1** | **0.0** | **0.0** | **0.0** | **14** | **0.5** | **5/7.7** |
| | **Styrene** | **65** | **9.2** | **90.8** | **1.5** | **3.1** | **3.1** | **1.5** | **0.0** | **5,500** | **100** | **3/4.6** |
| | **1,1,2-Trichloroethane** | **65** | **4.6** | **95.4** | **1.5** | **1.5** | **1.5** | **0.0** | **0.0** | **110** | **5** | **2/3.1** |
| | **Xylenes (Total)** | **65** | **30.8** | **72.3** | **9.2** | **7.7** | **6.2** | **4.6** | **0.0** | **3,000** | **1,750** | **2/3.1** |
| | **1,2-Dichloropropane** | **65** | **3.1** | **96.9** | **1.5** | **1.5** | **0.0** | **0.0** | **0.0** | **12** | **5** | **1/1.5** |
| | **trans-1,2-Dichloroethene** | **65** | **12.3** | **87.7** | **10.8** | **1.5** | **0.0** | **0.0** | **0.0** | **36** | **10** | **1/1.5** |
| | 1,2,3-Trichlorobenzene | 65 | 3.1 | 98.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | None | Not Applicable |
| | 1,2,4-Trichlorobenzene | 65 | 3.1 | 98.5 | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 70 | 0/0.0 |
| | 1,2,4-Trimethylbenzene | 65 | 15.4 | 87.7 | 0.0 | 6.2 | 4.6 | 1.5 | 0.0 | 1,000 | None | Not Applicable |
| | 1,2-Dichlorobenzene | 65 | 7.7 | 95.4 | 1.5 | 3.1 | 0.0 | 0.0 | 0.0 | 34 | 600 | 0/0.0 |
| | 1,3,5-Trimethylbenzene | 65 | 10.8 | 92.3 | 1.5 | 3.1 | 3.1 | 0.0 | 0.0 | 170 | None | Not Applicable |
| | 1,3-Dichlorobenzene | 65 | 1.5 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.88 | None | Not Applicable |
| | Acetone | 65 | 10.8 | 89.2 | 6.2 | 3.1 | 0.0 | 1.5 | 0.0 | 4,000 | None | Not Applicable |
| | Carbon disulfide | 65 | 4.6 | 95.4 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 380 | None | Not Applicable |
| | Dibromochloromethane | 65 | 1.5 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.56 | 100 | 0/0.0 |
| | Dichlorobromomethane | 65 | 3.1 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.77 | 100 | 0/0.0 |
| | Freon 11 | 65 | 13.8 | 87.7 | 10.8 | 1.5 | 0.0 | 0.0 | 0.0 | 12 | 150 | 0/0.0 |
| | Freon 12 | 65 | 12.3 | 87.7 | 12.3 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | None | Not Applicable |
| | Isopropylbenzene | 65 | 23.1 | 80.0 | 4.6 | 12.3 | 3.1 | 0.0 | 0.0 | 230 | None | Not Applicable |
| | Methyl Ethyl Ketone | 65 | 1.5 | 98.5 | 0.0 | 1.5 | 0.0 | 0.0 | 0.0 | 76 | None | Not Applicable |
| | Methyl tert-butyl ether | 45 | 11.1 | 93.3 | 2.2 | 4.4 | 0.0 | 0.0 | 0.0 | 56 | None | Not Applicable |
| | Naphthalene | 65 | 16.9 | 84.6 | 4.6 | 7.7 | 3.1 | 0.0 | 0.0 | 500 | None | Not Applicable |
| | n-Butylbenzene | 65 | 4.6 | 96.9 | 1.5 | 0.0 | 1.5 | 0.0 | 0.0 | 310 | None | Not Applicable |

# TABLE 4
# STATISTICAL SUMMARY OF DETECTED VOCS - DEL AMO BASELINE GROUNDWATER SAMPLING

| HSU | Compound | Times Analyzed | Detection Frequency (%) | Concentration Range Frequency (% by ug/l) | | | | | | Max. Conc. (ug/l) | MCL (ug/l) | Number/Frequency (%) of MCL Exceedences |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ND - < 1 | 1 - <10 | 10 - < 100 | 100 - < 1,000 | 1,000 - < 10,000 | >10,000 | | | |
| Water Table | n-Propylbenzene | 65 | 15.4 | 87.7 | 4.6 | 3.1 | 4.6 | 0.0 | 0.0 | 230 | None | Not Applicable |
| | p-Isopropyltoluene | 65 | 3.1 | 96.9 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | None | Not Applicable |
| | sec-Butylbenzene | 65 | 20.0 | 84.6 | 10.8 | 1.5 | 3.1 | 0.0 | 0.0 | 770 | None | Not Applicable |
| | tert-Butylbenzene | 65 | 1.5 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.23 | None | Not Applicable |
| MBFB | **Benzene** | **20** | **60.0** | **40.0** | **10.0** | **5.0** | **0.0** | **5.0** | **40.0** | **610,000** | **1** | **12/60.0** |
| | **Ethylbenzene** | **20** | **45.0** | **55.0** | **5.0** | **5.0** | **15.0** | **10.0** | **10.0** | **29,000** | **700** | **6/30.0** |
| | **Tetrachloroethene** | **20** | **30.0** | **75.0** | **5.0** | **10.0** | **10.0** | **0.0** | **0.0** | **960** | **5** | **5/25.0** |
| | **Toluene** | **20** | **30.0** | **70.0** | **5.0** | **5.0** | **10.0** | **10.0** | **0.0** | **1,400** | **150** | **4/20.0** |
| | **Trichloroethene** | **20** | **30.0** | **75.0** | **5.0** | **10.0** | **0.0** | **10.0** | **0.0** | **3,900** | **5** | **4/20.0** |
| | **cis-1,2-Dichloroethene** | **20** | **15.0** | **85.0** | **5.0** | **10.0** | **0.0** | **0.0** | **0.0** | **68** | **6** | **3/15.0** |
| | **1,1-Dichloroethene** | **20** | **15.0** | **85.0** | **5.0** | **10.0** | **0.0** | **0.0** | **0.0** | **89** | **6** | **2/10.0** |
| | **Styrene** | **20** | **20.0** | **80.0** | **0.0** | **10.0** | **10.0** | **0.0** | **0.0** | **780** | **100** | **2/10.0** |
| | **1,1-Dichloroethane** | **20** | **10.0** | **90.0** | **5.0** | **5.0** | **0.0** | **0.0** | **0.0** | **32** | **5** | **1/5.0** |
| | **1,2-Dichloroethane** | **20** | **5.0** | **95.0** | **0.0** | **0.0** | **5.0** | **0.0** | **0.0** | **430** | **0.5** | **1/5.0** |
| | **Chlorobenzene** | **20** | **10.0** | **90.0** | **0.0** | **5.0** | **5.0** | **0.0** | **0.0** | **520** | **70** | **1/5.0** |
| | **trans-1,2-Dichloroethene** | **20** | **5.0** | **95.0** | **0.0** | **5.0** | **0.0** | **0.0** | **0.0** | **36** | **10** | **1/5.0** |
| | 1,2,4-Trimethylbenzene | 20 | 5.0 | 95.0 | 0.0 | 5.0 | 0.0 | 0.0 | 0.0 | 25 | None | Not Applicable |
| | 1,3,5-Trimethylbenzene | 20 | 5.0 | 95.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | None | Not Applicable |
| | Carbon disulfide | 20 | 15.0 | 85.0 | 0.0 | 10.0 | 5.0 | 0.0 | 0.0 | 380 | None | Not Applicable |
| | Chloroform | 20 | 10.0 | 95.0 | 0.0 | 5.0 | 0.0 | 0.0 | 0.0 | 10 | 100 | 0/0.0 |
| | Freon 11 | 20 | 5.0 | 95.0 | 0.0 | 5.0 | 0.0 | 0.0 | 0.0 | 10 | 150 | 0/0.0 |
| | Freon 12 | 20 | 10.0 | 90.0 | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | None | Not Applicable |
| | Isopropylbenzene | 20 | 35.0 | 75.0 | 5.0 | 15.0 | 5.0 | 0.0 | 0.0 | 230 | None | Not Applicable |
| | Naphthalene | 20 | 10.0 | 90.0 | 5.0 | 5.0 | 0.0 | 0.0 | 0.0 | 20 | None | Not Applicable |
| | Xylenes (Total) | 20 | 20.0 | 80.0 | 5.0 | 5.0 | 10.0 | 0.0 | 0.0 | 360 | 1,750 | 0/0.0 |
| | n-Butylbenzene | 20 | 10.0 | 90.0 | 0.0 | 5.0 | 5.0 | 0.0 | 0.0 | 310 | None | Not Applicable |
| | n-Propylbenzene | 20 | 20.0 | 80.0 | 5.0 | 10.0 | 5.0 | 0.0 | 0.0 | 230 | None | Not Applicable |
| | sec-Butylbenzene | 20 | 40.0 | 70.0 | 15.0 | 5.0 | 10.0 | 0.0 | 0.0 | 730 | None | Not Applicable |
| MBFC | **Chlorobenzene** | **39** | **66.7** | **33.3** | **7.7** | **10.3** | **12.8** | **17.9** | **17.9** | **47,000** | **70** | **19/48.7** |
| | **Trichloroethene** | **39** | **23.1** | **76.9** | **0.0** | **10.3** | **10.3** | **2.6** | **0.0** | **3,600** | **5** | **9/23.1** |
| | **1,2-Dichloroethane** | **39** | **20.5** | **87.2** | **5.1** | **5.1** | **2.6** | **0.0** | **0.0** | **110** | **0.5** | **8/20.5** |
| | **Benzene** | **39** | **20.5** | **84.6** | **10.3** | **2.6** | **2.6** | **0.0** | **0.0** | **220** | **1** | **6/15.4** |
| | **1,4-Dichlorobenzene** | **39** | **20.5** | **79.5** | **12.8** | **7.7** | **0.0** | **0.0** | **0.0** | **65** | **5** | **5/12.8** |
| | **Tetrachloroethene** | **39** | **15.4** | **84.6** | **10.3** | **2.6** | **0.0** | **2.6** | **0.0** | **1,100** | **5** | **4/10.3** |
| | 2-Hexanone | 39 | 2.6 | 97.4 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | None | Not Applicable |
| | Acetone | 39 | 2.6 | 97.4 | 0.0 | 2.6 | 0.0 | 0.0 | 0.0 | 18 | None | Not Applicable |

# TABLE 4
# STATISTICAL SUMMARY OF DETECTED VOCS - DEL AMO BASELINE GROUNDWATER SAMPLING

| HSU | Compound | Times Analyzed | Detection Frequency (%) | Concentration Range Frequency (% by ug/l) | | | | | | Max. Conc. (ug/l) | MCL (ug/l) | Number/Frequency (%) of MCL Exceedences |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ND - < 1 | 1 - <10 | 10 - < 100 | 100 - < 1,000 | 1,000 - < 10,000 | >10,000 | | | |
| MBFC | Carbon disulfide | 39 | 5.1 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.86 | None | Not Applicable |
| | Chloroethane | 39 | 2.6 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.68 | None | Not Applicable |
| | Methyl Ethyl Ketone | 39 | 2.6 | 97.4 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 7.6 | None | Not Applicable |
| | sec-Butylbenzene | 39 | 5.1 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.83 | None | Not Applicable |
| | tert-Butylbenzene | 39 | 2.6 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | None | Not Applicable |
| Gage | **Chlorobenzene** | **22** | **72.7** | **27.3** | **4.5** | **13.6** | **27.3** | **18.2** | **9.1** | **17,000** | **70** | **13/59.1** |
| | **Benzene** | **22** | **22.7** | **77.3** | **18.2** | **4.5** | **0.0** | **0.0** | **0.0** | **45** | **1** | **5/22.7** |
| | **Trichloroethene** | **22** | **27.3** | **77.3** | **9.1** | **9.1** | **4.5** | **0.0** | **0.0** | **120** | **5** | **4/18.2** |
| | **1,2-Dichloroethane** | **22** | **9.1** | **90.9** | **9.1** | **0.0** | **0.0** | **0.0** | **0.0** | **4.8** | **0.5** | **2/9.1** |
| | **1,4-Dichlorobenzene** | **22** | **22.7** | **77.3** | **18.2** | **4.5** | **0.0** | **0.0** | **0.0** | **27** | **5** | **2/9.1** |
| | **Tetrachloroethene** | **22** | **13.6** | **90.9** | **9.1** | **0.0** | **0.0** | **0.0** | **0.0** | **8.5** | **5** | **1/4.5** |
| | **cis-1,2-Dichloroethene** | **22** | **9.1** | **95.5** | **0.0** | **4.5** | **0.0** | **0.0** | **0.0** | **12** | **6** | **1/4.5** |
| | 1,2,4-Trimethylbenzene | 22 | 4.5 | 95.5 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 6.5 | None | Not Applicable |
| | 1,2-Dichlorobenzene | 22 | 4.5 | 95.5 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 600 | 0/0.0 |
| | Ethylbenzene | 22 | 13.6 | 86.4 | 4.5 | 9.1 | 0.0 | 0.0 | 0.0 | 22 | 700 | 0/0.0 |
| | Isopropylbenzene | 22 | 4.5 | 95.5 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | None | Not Applicable |
| | Toluene | 22 | 4.5 | 95.5 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 150 | 0/0.0 |
| | Xylenes (Total) | 22 | 13.6 | 86.4 | 9.1 | 4.5 | 0.0 | 0.0 | 0.0 | 50 | 1,750 | 0/0.0 |
| | n-Propylbenzene | 22 | 4.5 | 95.5 | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | None | Not Applicable |
| Lynwood | Chlorobenzene | 5 | 40.0 | 60.0 | 20.0 | 20.0 | 0.0 | 0.0 | 0.0 | 64 | 70 | 0/0.0 |

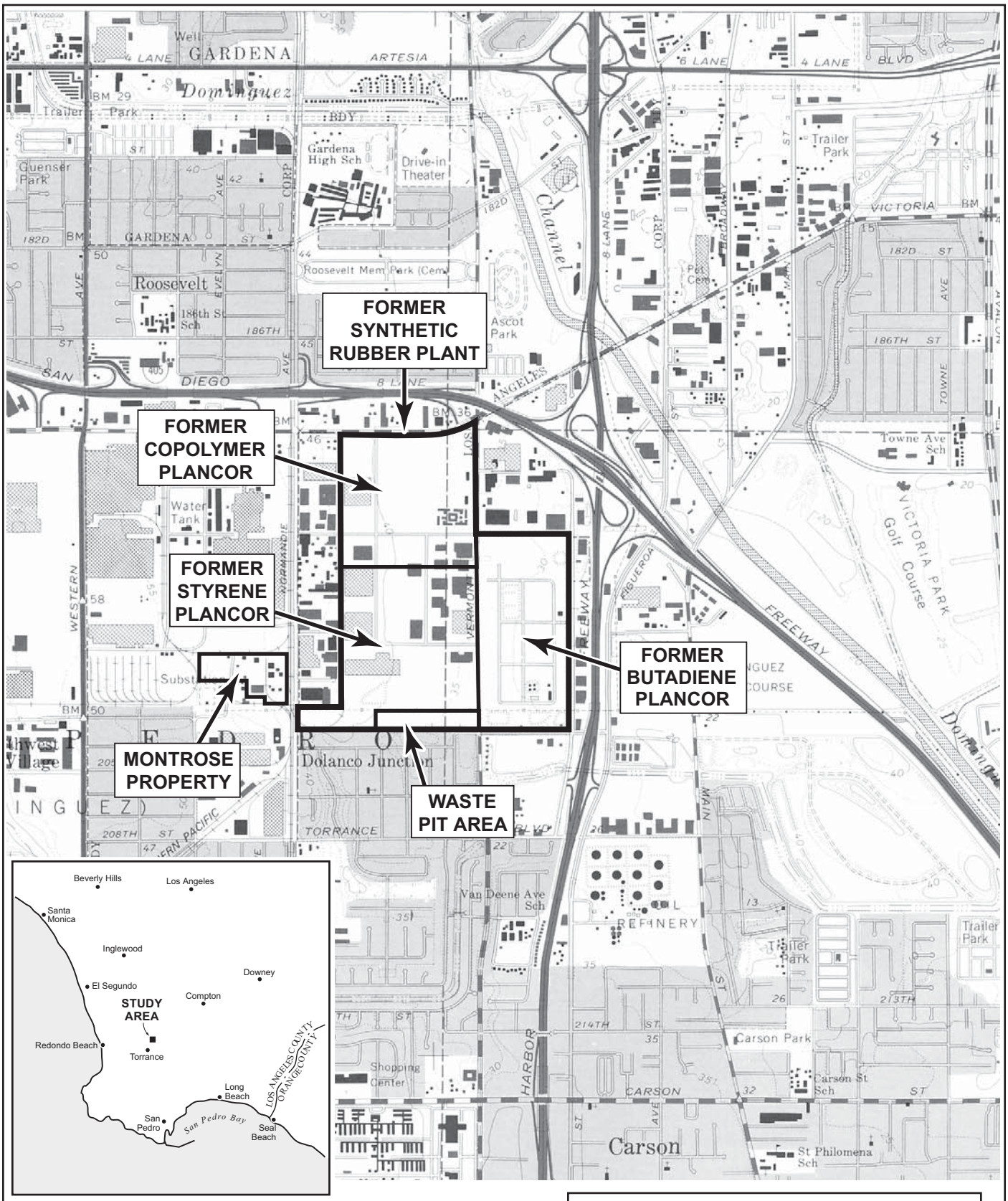
**Note:**

Bolded compounds were detected at concentrations in excess of screening criteria (MCLs) at one or more locations.

**TABLE 5**
**SUMMARY OF BIODEGRADATION INDICATOR DATA**
**DEL AMO BASELINE GROUNDWATER SAMPLING**

| HSU | Location | Benzene Concentration (µg/l) | THPC (mpm/ml) | HOP (cfu/ml) | DO (mg/l) | ORP (mv) | Ferrrous Iron (mg/l) | Methane (mg/l) | Nitrate (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|---|---|---|---|
| Water Table | PZL0020 | 510000 | 730 | <3 | 5.2 | -123 | 7100 | 4.7 | <200 | 9400 |
| | SWL0008 | 49000 | 86 | <3 | 1.2 | -126 | 18,000 | 1590 | <100 | <1,000 |
| | SWL0051 | 0.57 | <30 | <3 | 8.8 | 96 | <100 | 6.93 | 8,300 | 250,000 |
| | SWL0006 | <0.5 | <30 | <3 | 0.4 | -170 | 590 | 183 | <100 | 140,000 |
| MBFB | SWL0050 | 85,000 | <30 | <3 | 0.5 | -203 | 10,000 | 5.45 | <100 | 320,000 |
| | XG-01WC | 5.9 | <30 | 230 | 0.5 | -95 | 1,100 | 18 | 120 | 250,000 |
| | SWL0052 | <0.5 | 110 | 93 | 0.4 | -4 | <100 | 4.15 | 1,300 | 240,000 |

T:\Ladd\DelAmo\401-142B




0 1/2 1

Scale in Miles

N

*BASEMAP:* USGS 7.5 Minute Topographic Quadrangle: *Torrance, CA* 1964 (Photorevised 1981)

FIGURE 1

## SITE LOCATION MAP

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T\Ladd\DelAmo\696-045D

| PUBLISHED REGIONAL HYDROSTRATIGRAPHY ① | | REGIONAL GW MODEL LAYER NUMBER | MONTROSE HYDRO-STRATI-GRAPHY ② | DEL AMO STUDY AREA HYDROSTRATIGRAPHY ③ | | AVERAGE THICKNESS (ft) | BASE ELEV. RANGE (ft/msl) |
|---|---|---|---|---|---|---|---|
| UPPER PLEISTOCENE LAKEWOOD FORMATION | BELLFLOWER AQUITARD | 1 | UPPER BELLFLOWER AQUITARD | UPPER BELLFLOWER AQUITARD | | 74 | -15 to -71 |
| | | 2 | | MIDDLE BELLFLOWER | B-SAND | 15 | -35 to -91 |
| | | 3 | | | MUD | 7 | -36 to -103 |
| | | 4 | BELLFLOWER SAND | | C-SAND | 43 | -70 to -129 |
| | | 5 | | | | | |
| | | 6 | LOWER BELLFLOWER AQUITARD | LOWER BELLFLOWER AQUITARD | | 27 | -100 to -156 |
| | | 7 | | | | | |
| | | 8 | | | | | |
| | GAGE AQUIFER | 9 | GAGE AQUIFER | GAGE AQUIFER | | 66 | -186 to -216 |
| LOWER PLEISTOCENE SAN PEDRO FORMATION | GAGE/ LYNWOOD AQUITARD | 10 | GAGE/ LYNWOOD AQUITARD | GAGE/LYNWOOD AQUITARD | | 20② | -170 to -230② |
| | | 11 | | | | | |
| | | 12 | | | | | |
| | LYNWOOD AQUIFER | 13 | LYNWOOD AQUIFER | NOT REACHED | | 36④ | -240④ |
| | UNNAMED AQUITARD | NOT APPLICABLE | LYNWOOD-SILVERADO AQUITARD | NOT REACHED | | 208④ | -440④ |
| | SILVERADO AQUIFER | NOT APPLICABLE | NOT REACHED | NOT REACHED | | >240④ | BASE NOT REACHED |

## *Legend*

① California Department of Water Resources Bulletin 104, 1961. Planned Utilization of the Groundwater Basins of the Coastal Plain of Los Angeles County. Appendix A – Groundwater Geology, June 1961.

Poland, J.F., A.A. Garrett and A. Sinnott, 1959. Geology, Hydrology and Chemical Character of Ground Waters in the Torrance – Santa Monica Area, California. U.S. Geological Survey Water Supply Paper 1461.

② Hargis + Associates 1992. Final Draft Remedial Investigation, Montrose Site, Torrance, CA. Volumes I through IV, October 29.

③ Current study.

④ Drillers Log, LACDPW Well No 795.

FIGURE 2

**HYDROSTRATIGRAPHIC NOMENCLATURE**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-204E

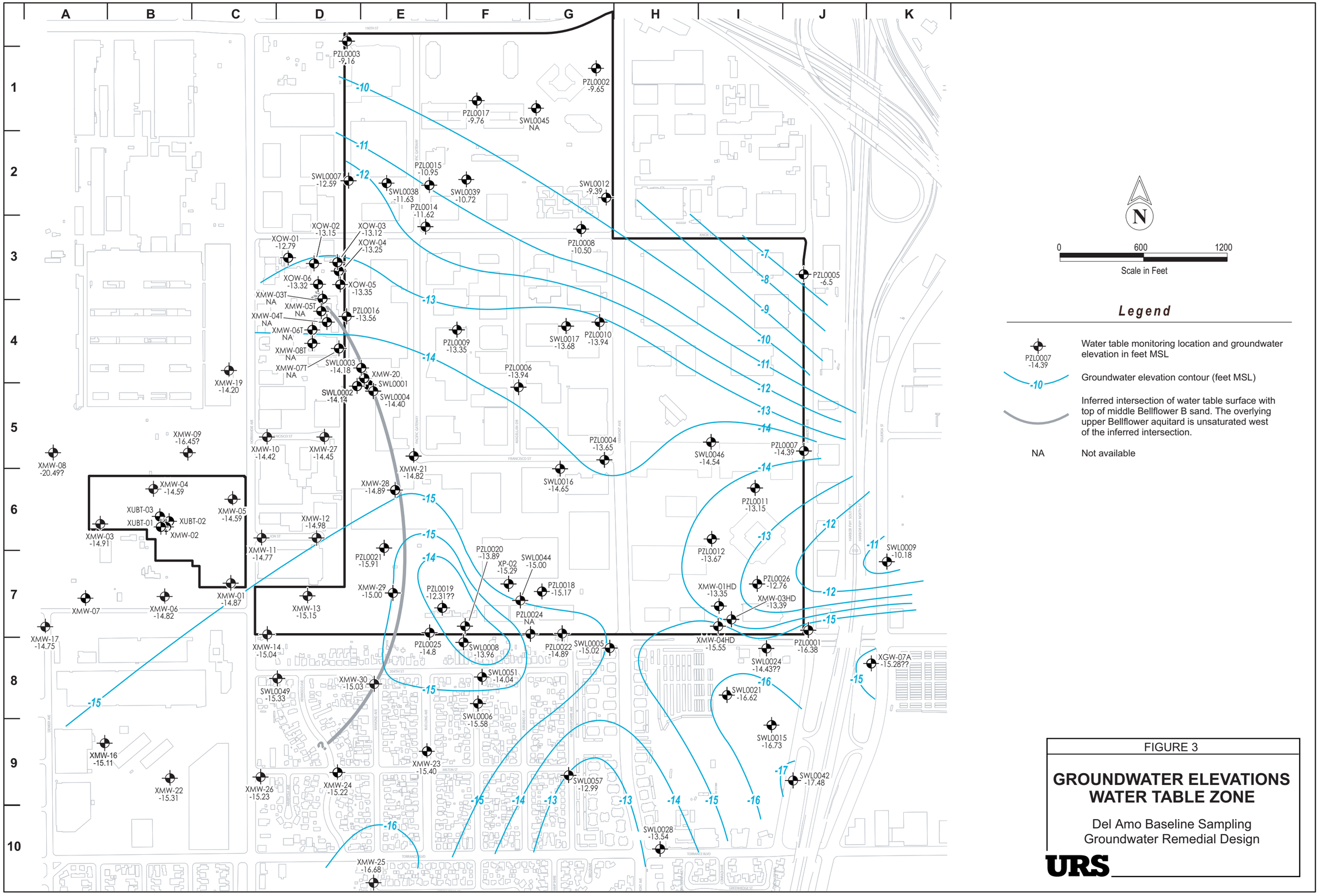



FIGURE 3

**GROUNDWATER ELEVATIONS WATER TABLE ZONE**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-202D

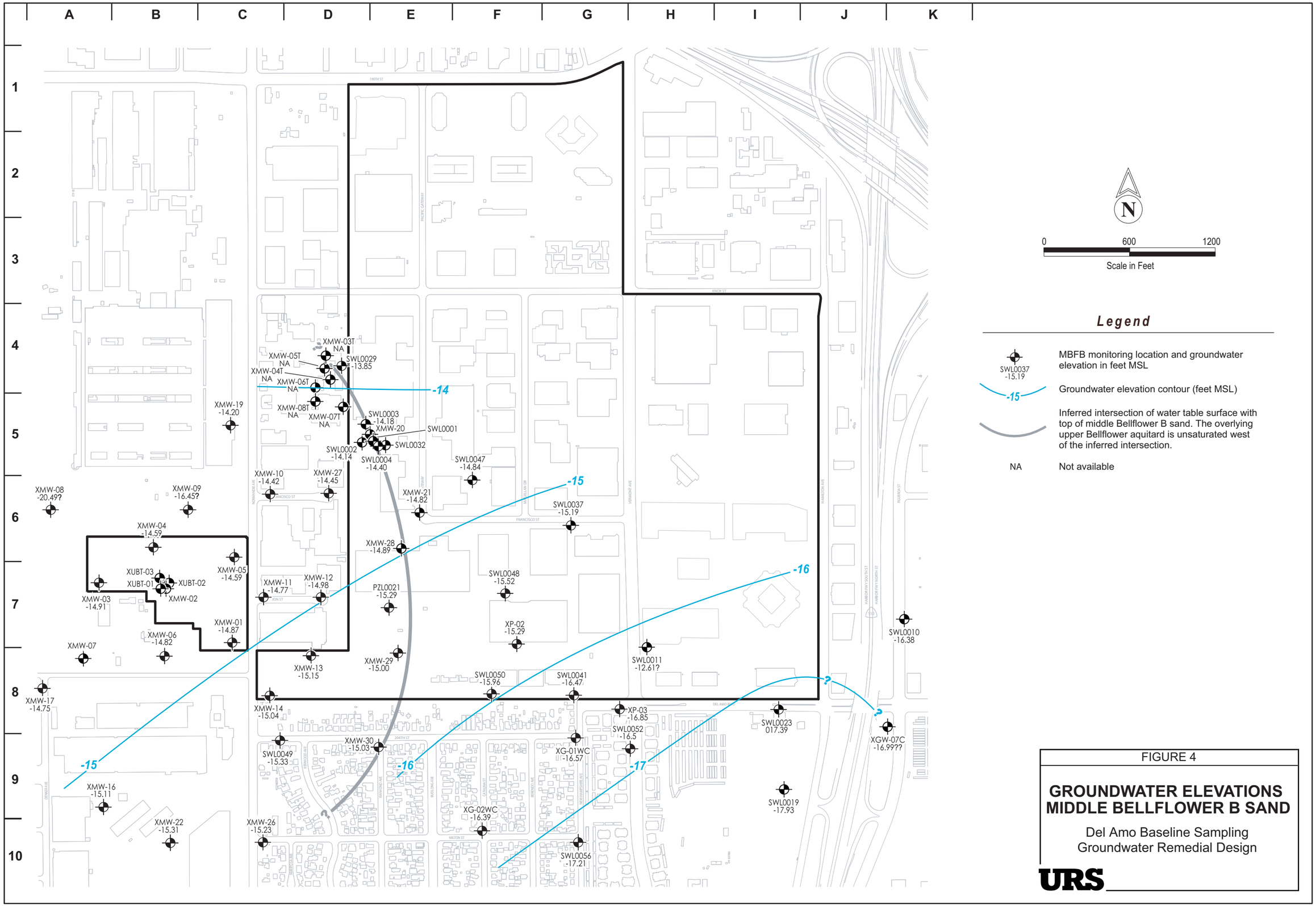



FIGURE 4

**GROUNDWATER ELEVATIONS MIDDLE BELLFLOWER B SAND**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/903-201D

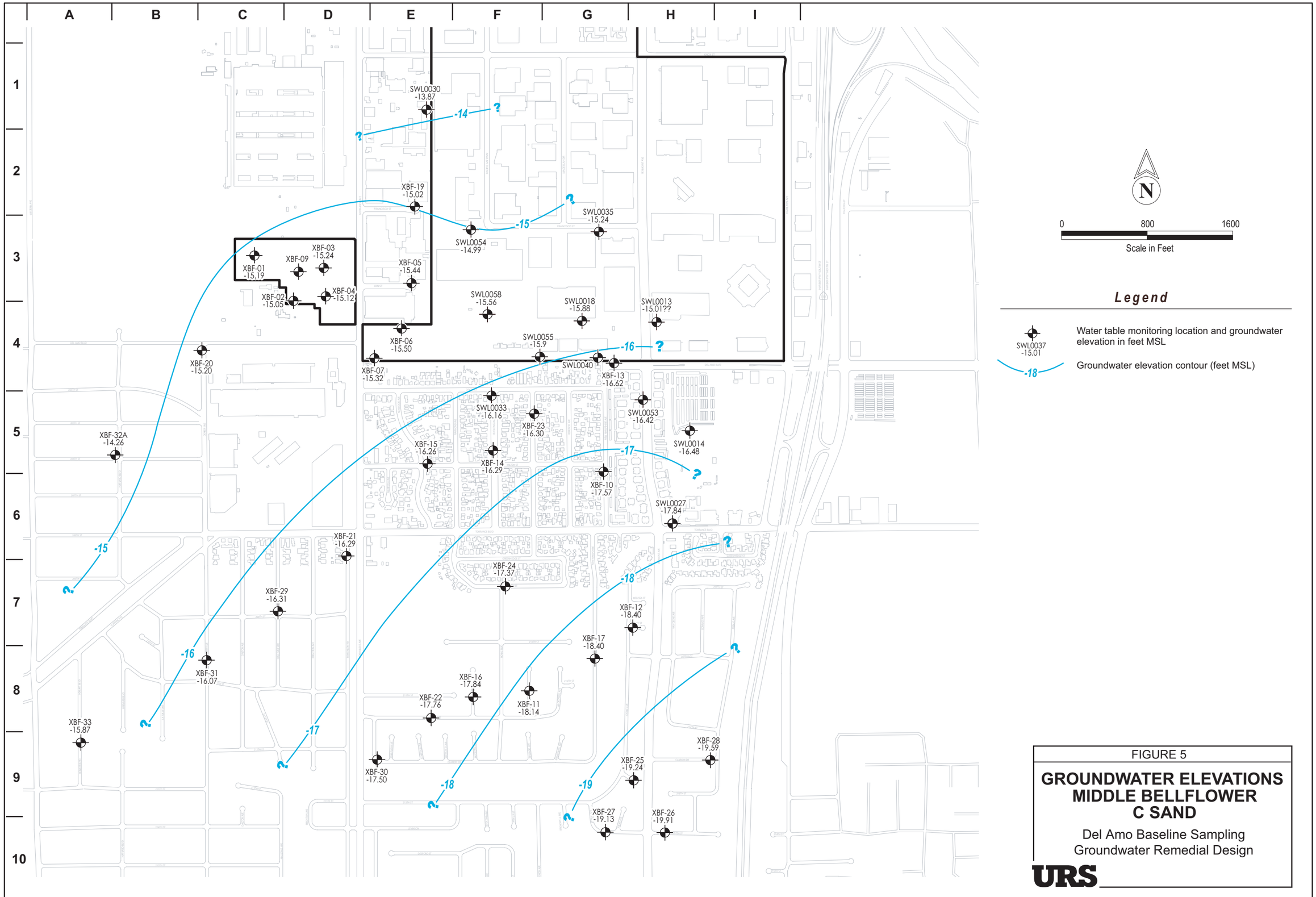


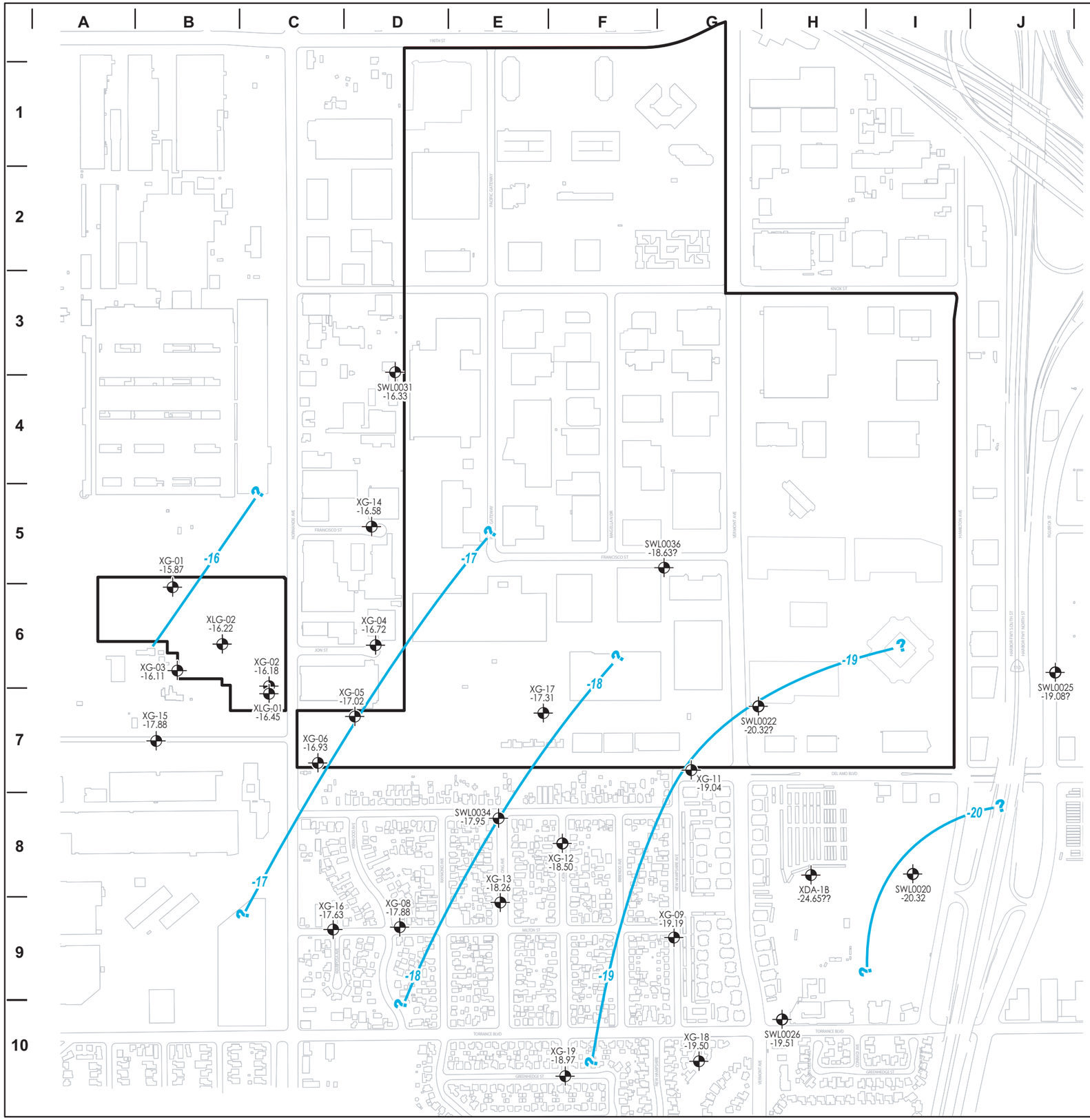

FIGURE 5

**GROUNDWATER ELEVATIONS**
**MIDDLE BELLFLOWER**
**C SAND**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-203D




N

0 600 1200

Scale in Feet

## Legend

SWL0020 -20.32 — Water table monitoring location and groundwater elevation in feet MSL

-20 — Groundwater elevation contour (feet MSL)

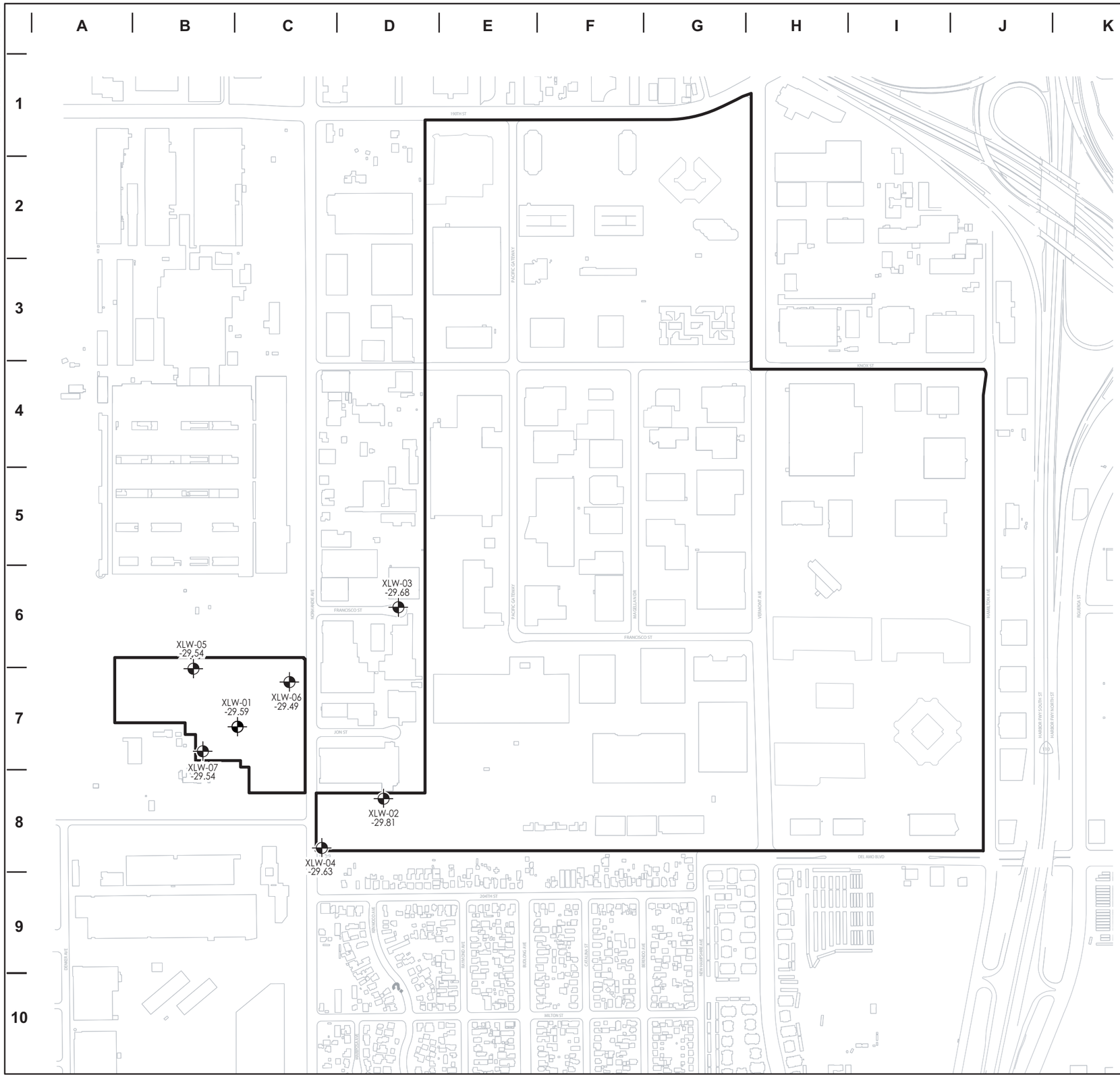
FIGURE 6

# GROUNDWATER ELEVATIONS GAGE AQUIFER

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-202G




## Legend

XLW-03
-29.68

Lynwood monitoring location and groundwater elevation in feet MSL

FIGURE 7

**GROUNDWATER ELEVATIONS**
**LYNWOOD AQUIFER**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

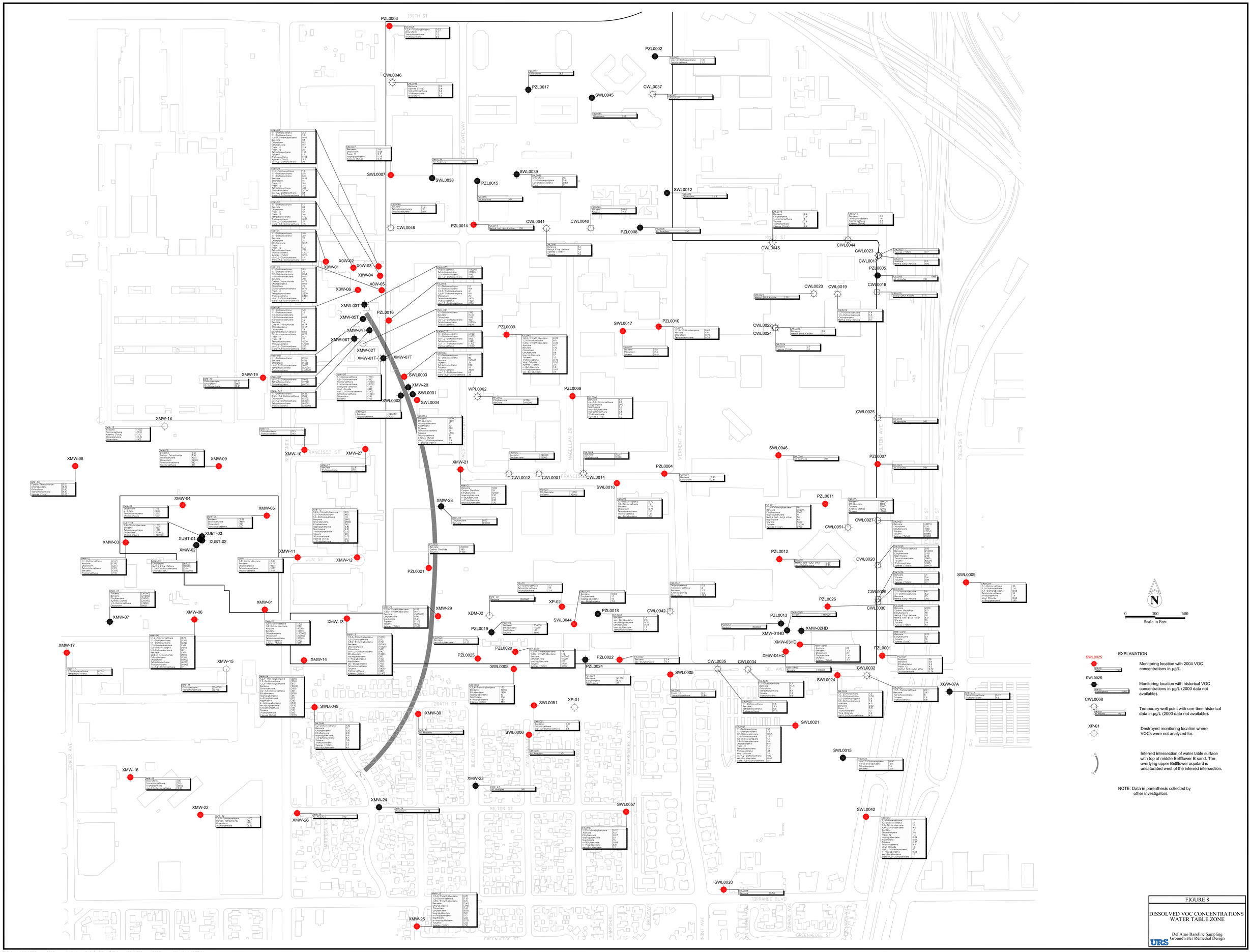



FIGURE 8

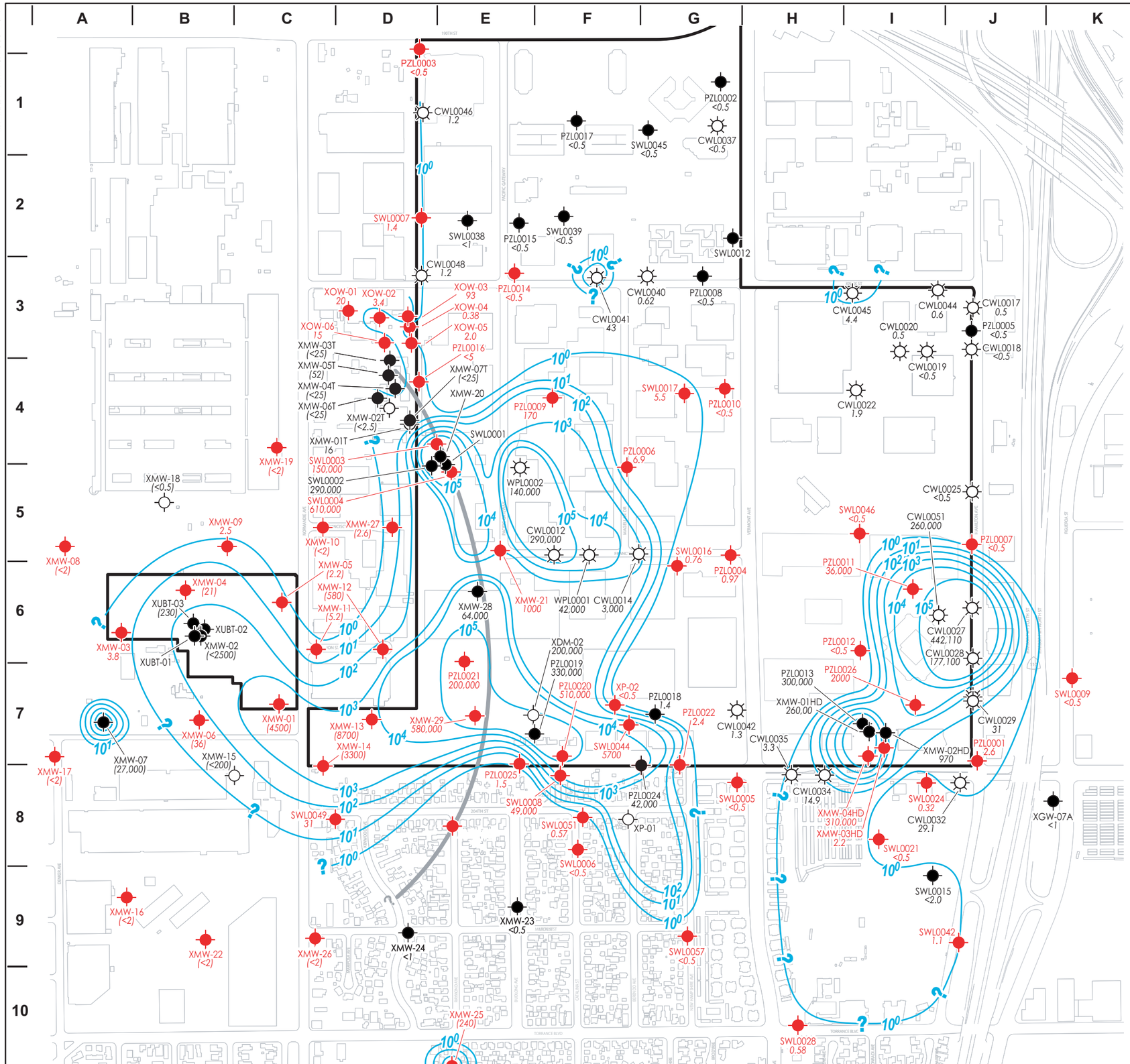
DISSOLVED VOC CONCENTRATIONS
WATER TABLE ZONE

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T:\Del Amo\2004\GW_report\VOC-water table-e.dwg + ii (derived from T:\Del Amo\2004\GW_report\VOC-water table-e.dwg) 10/27/04

T/Ladd/DelAmo/1003-204B




## Legend

| | |
|---|---|
| SWL0009 <0.5 | Monitoring well with 2004 benzene concentration (µg/ℓ) |
| XDM-02 200,000 | Destroyed monitoring well with most recent historical benzene concentration (µg/ℓ) |
| XGW-07A <1 | Monitoring well not sampled in 2004 with most recent historical benzene concentration (µg/ℓ) |
| CWL0032 29.1 | Temporary well point with historical benzene concentration (µg/ℓ) |
| $10^0$ | Benzene concentration isopleth. Queried where uncertain. |
| | Inferred intersection of water table surface with top of middle Bellflower B sand. The overlying upper Bellflower aquitard is unsaturated west of the inferred intersection. |

Note: Concentration data in parentheses generated by other investigators

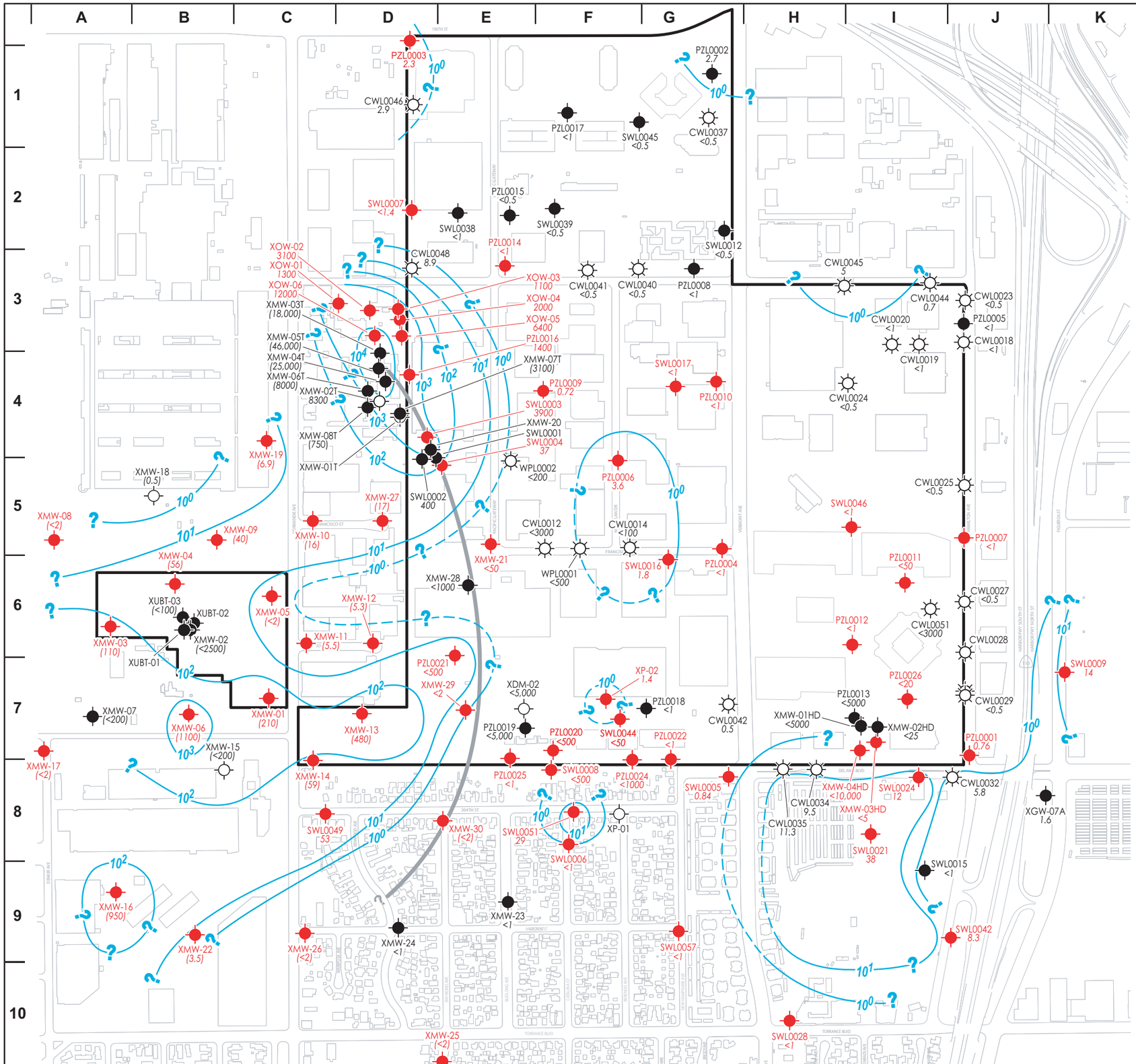
FIGURE 9

**DISSOLVED BENZENE CONCENTRATIONS WATER TABLE ZONE**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-204H




N

0 600 1200

Scale in Feet

## Legend

PZL0011 <50 — Monitoring well with 2004 TCE concentration (µg/ℓ)

XDM-02 <5,000 — Destroyed monitoring well with most recent historical TCE concentration (µg/ℓ)

PZL0008 <1 — Monitoring well not sampled in 2004 with most recent historical TCE concentration (µg/ℓ)

CWL0025 <0.5 — Temporary well point with historical TCE concentration (µg/ℓ)

$10^1$ — TCE concentration isopleth. Queried where uncertain.

Inferred intersection of water table surface with top of middle Bellflower B sand. The overlying upper Bellflower aquitard is unsaturated west of the inferred intersection.

Note: Concentration data in parentheses generated by other investigators

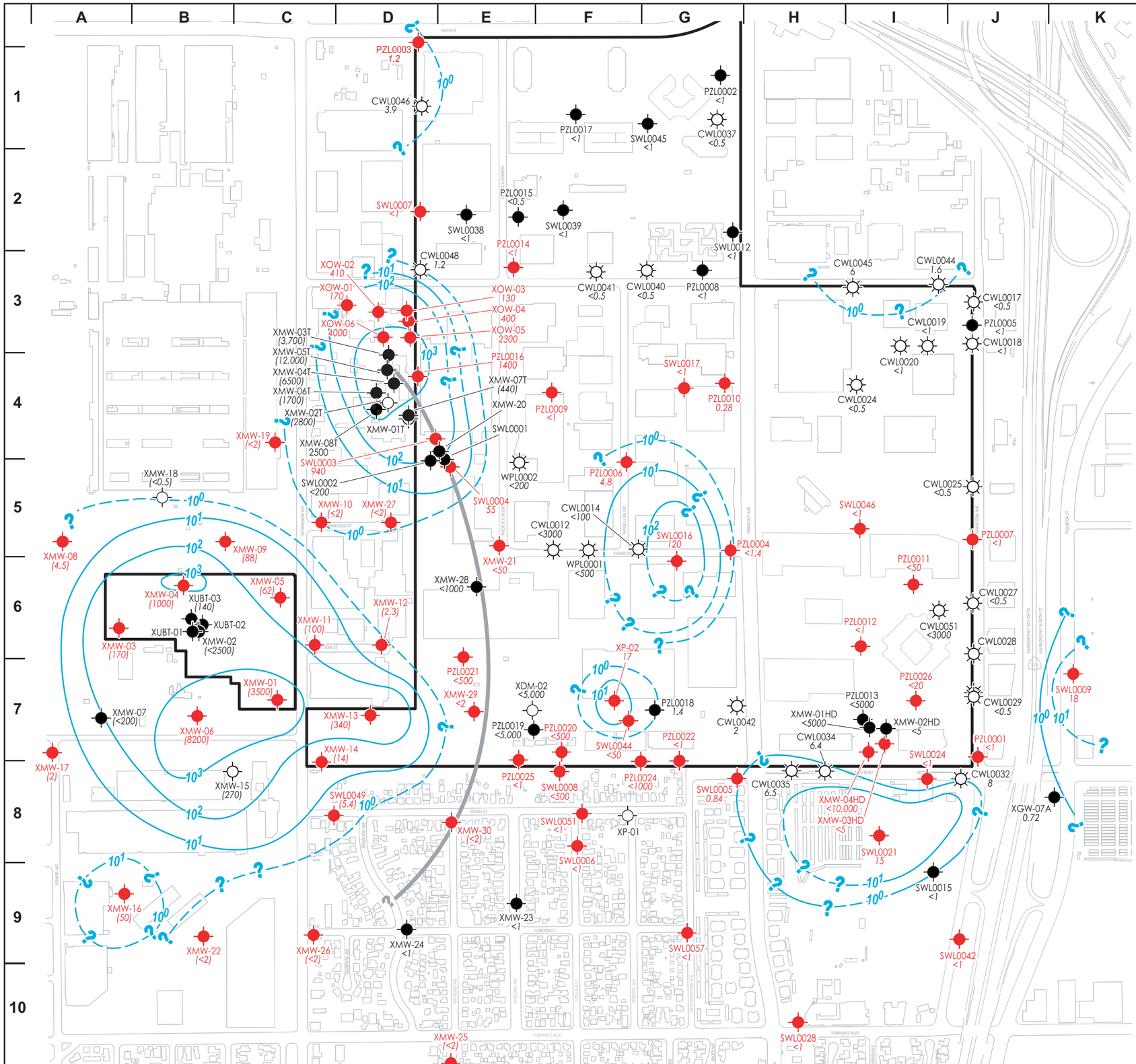
FIGURE 10

**DISSOLVED TCE CONCENTRATIONS WATER TABLE ZONE**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-204C




## Legend

| | |
|---|---|
| SWL0009 18 | Monitoring well with 2004 PCE concentration (µg/ℓ) |
| XDM-02 <5,000 | Destroyed monitoring well with most recent historical PCE concentration (µg/ℓ) |
| XGW-07A 0.72 | Monitoring well not sampled in 2004 with most recent historical PCE concentration (µg/ℓ) |
| CWL0027 <0.5 | Temporary well point with historical PCE concentration (µg/ℓ) |
| $10^1$ | PCE concentration isopleth. Queried where uncertain. |
| | Inferred intersection of water table surface with top of middle Bellflower B sand. The overlying upper Bellflower aquitard is unsaturated west of the inferred intersection. |

Note: Concentration data in parentheses generated by other investigators

FIGURE 11

**DISSOLVED PCE CONCENTRATIONS WATER TABLE ZONE**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/1004-200

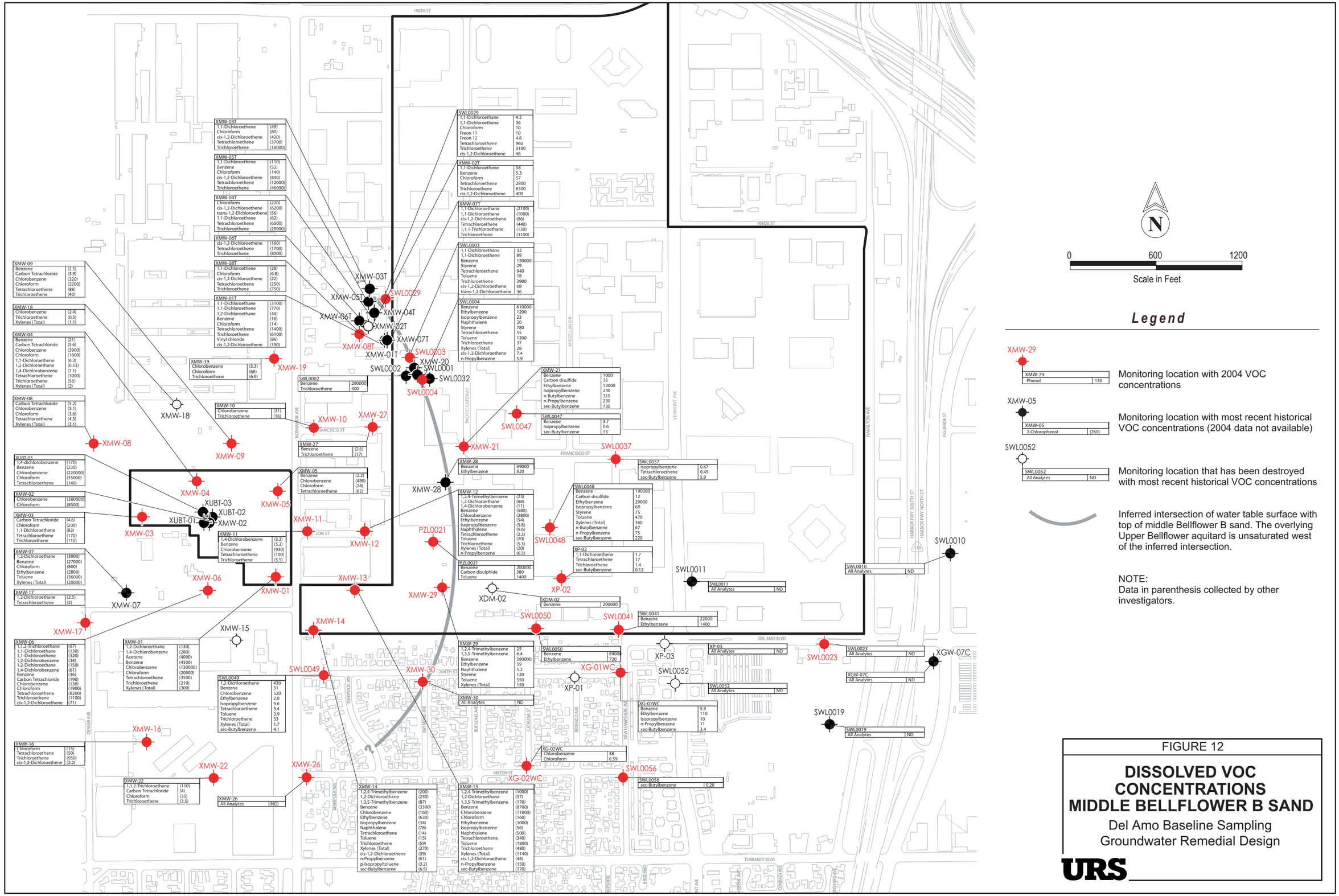


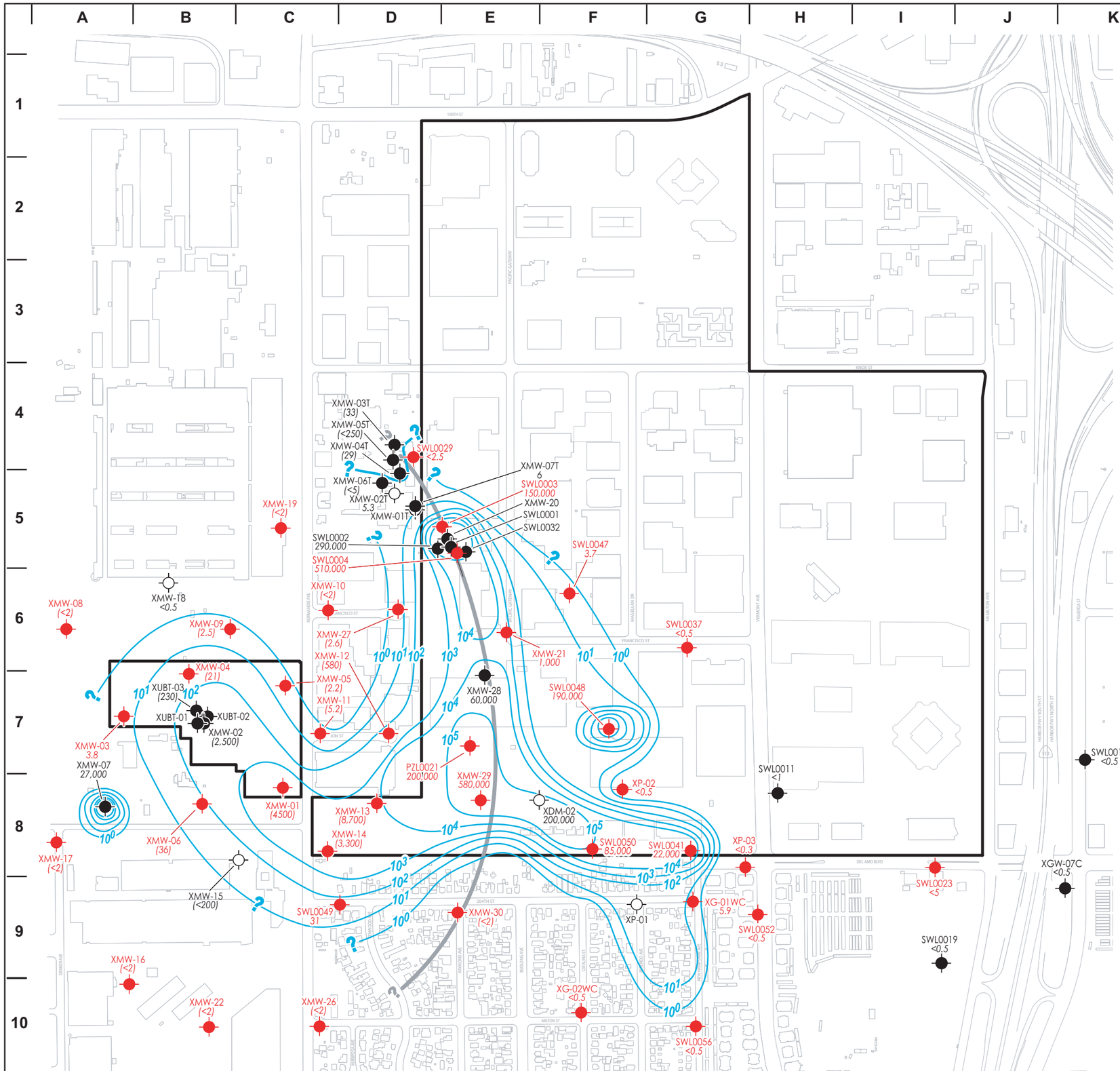

FIGURE 12

**DISSOLVED VOC CONCENTRATIONS MIDDLE BELLFLOWER B SAND**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-202B-1




N

0 600 1200

Scale in Feet

## Legend

SWL0037 <0.5 — Monitoring well with 2004 benzene concentration (µg/ℓ)

SWL0010 <0.5 — Destroyed monitoring well with most recent historical benzene concentration (µg/ℓ)

XMW-02T 5.3 — Monitoring well not sampled in 2004 with most recent historical benzene concentration (µg/ℓ)

$10^0$ — Benzene concentration isopleth. Dashed where approximate, queried where uncertain.

Inferred intersection of water table surface with top of middle Bellflower B sand. The overlying upper Bellflower aquitard is unsaturated west of the inferred intersection.

Note: Concentration data in parentheses generated by other investigators

FIGURE 13

**DISSOLVED BENZENE CONCENTRATIONS MIDDLE BELLFLOWER B SAND**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-202A

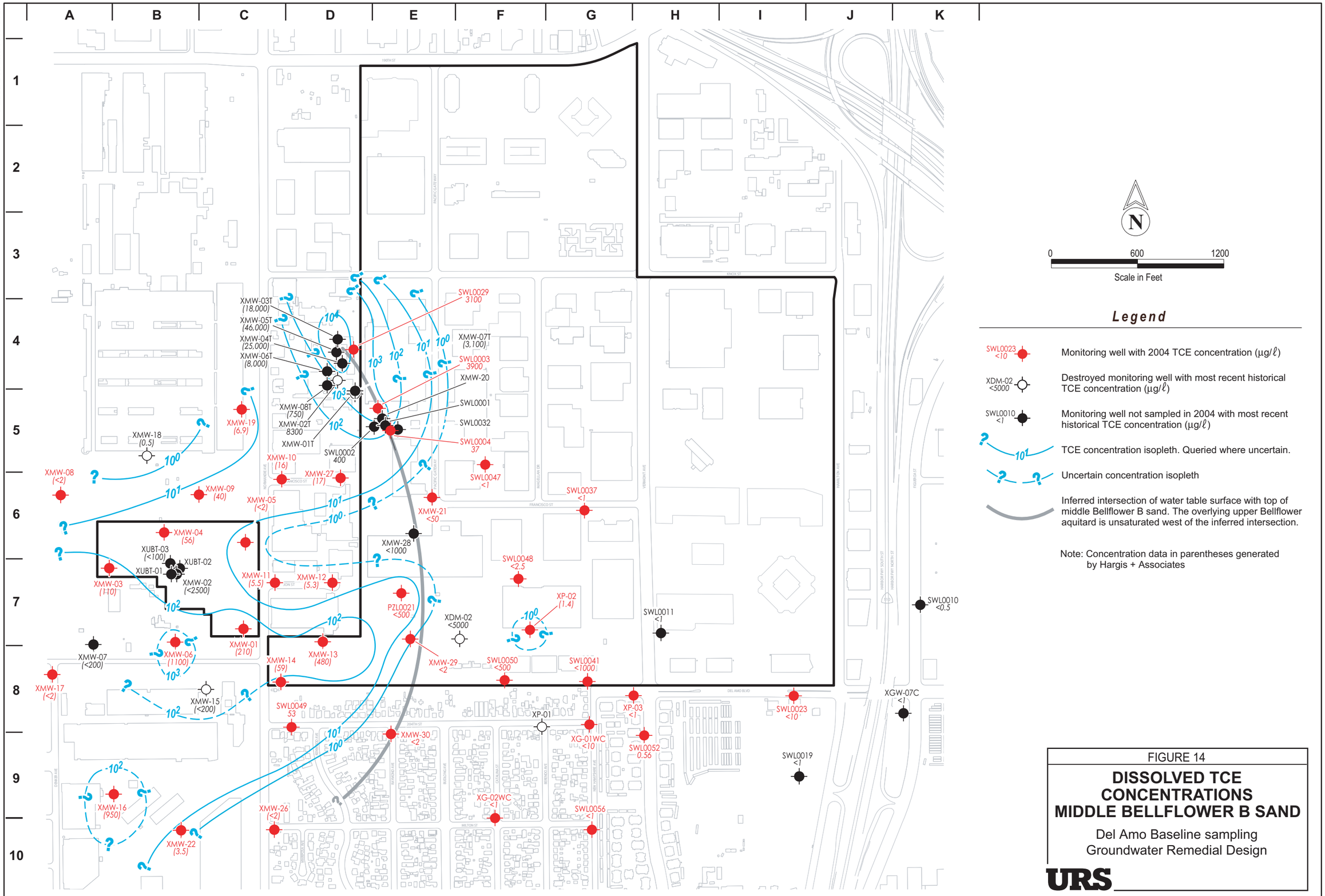



FIGURE 14

**DISSOLVED TCE CONCENTRATIONS MIDDLE BELLFLOWER B SAND**

Del Amo Baseline sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-202C

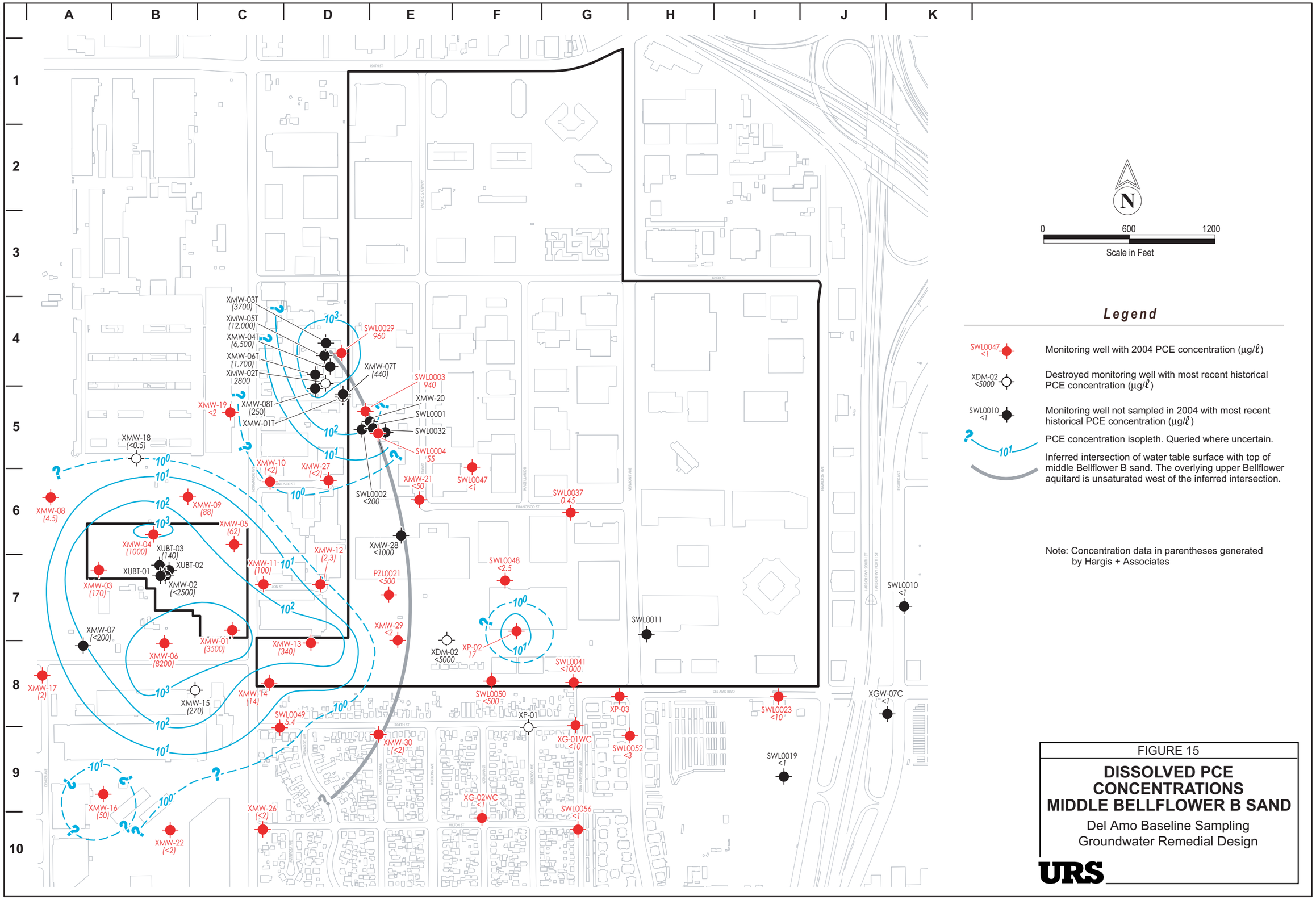


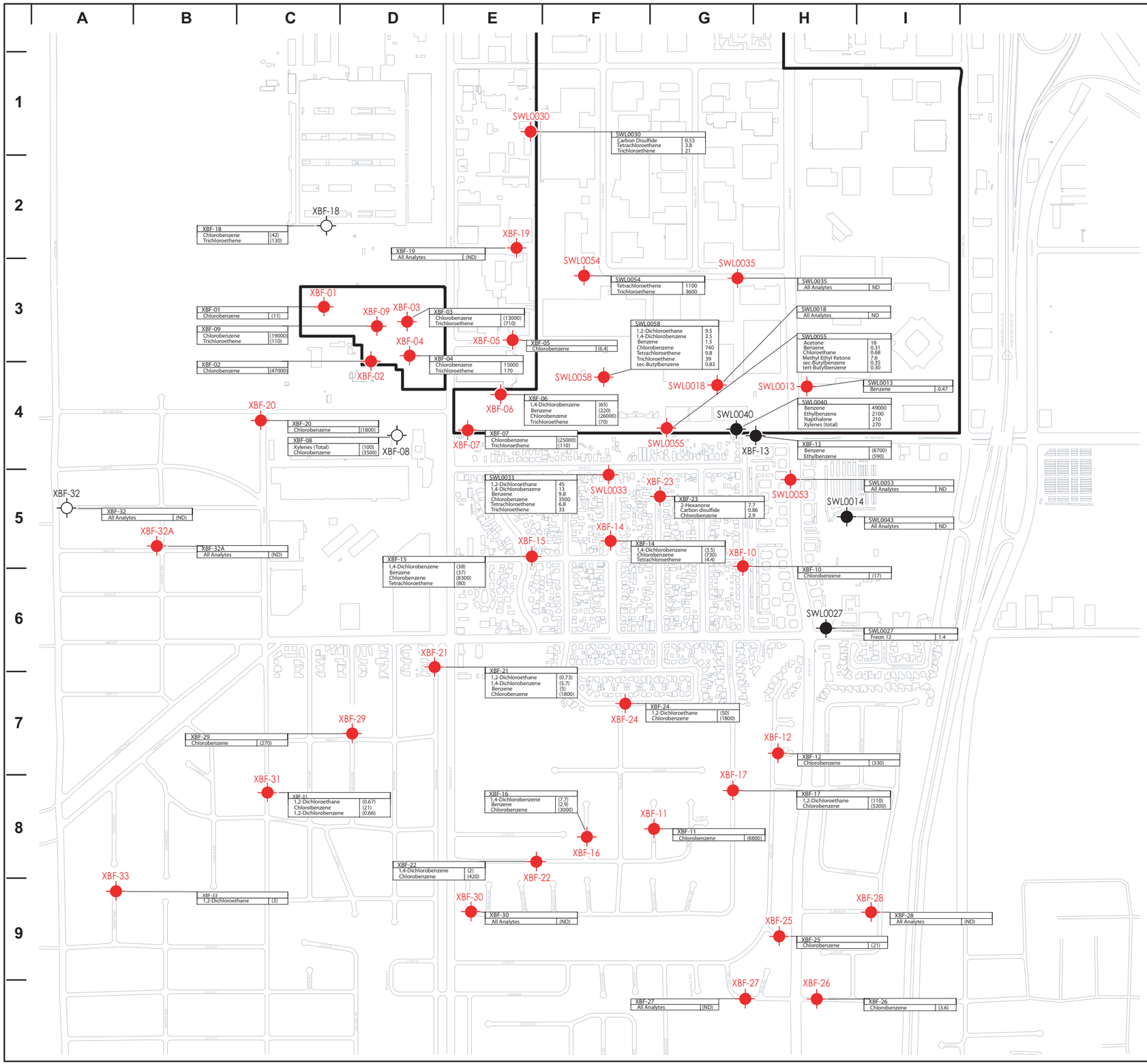

FIGURE 15

**DISSOLVED PCE CONCENTRATIONS MIDDLE BELLFLOWER B SAND**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/1004-219




N

0 800 1600

Scale in Feet

## Legend

XMW-29

XMW-29
Phenol 130

Monitoring location with 2004 VOC concentrations

SMW0022

XMW-05
2-Chlorophenol (260)

Monitoring location with most recent historical VOC concentrations (2004 data not available)

XBF-32

XBF-32
All Analytes (ND)

Monitoring location that has been destroyed with most recent historical VOC concentrations

NOTE:
Data in parenthesis collected by other investigators.

FIGURE 16

**DISSOVED VOC CONCENTRATIONS MIDDLE BELLFLOWER C SAND**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/903-201A

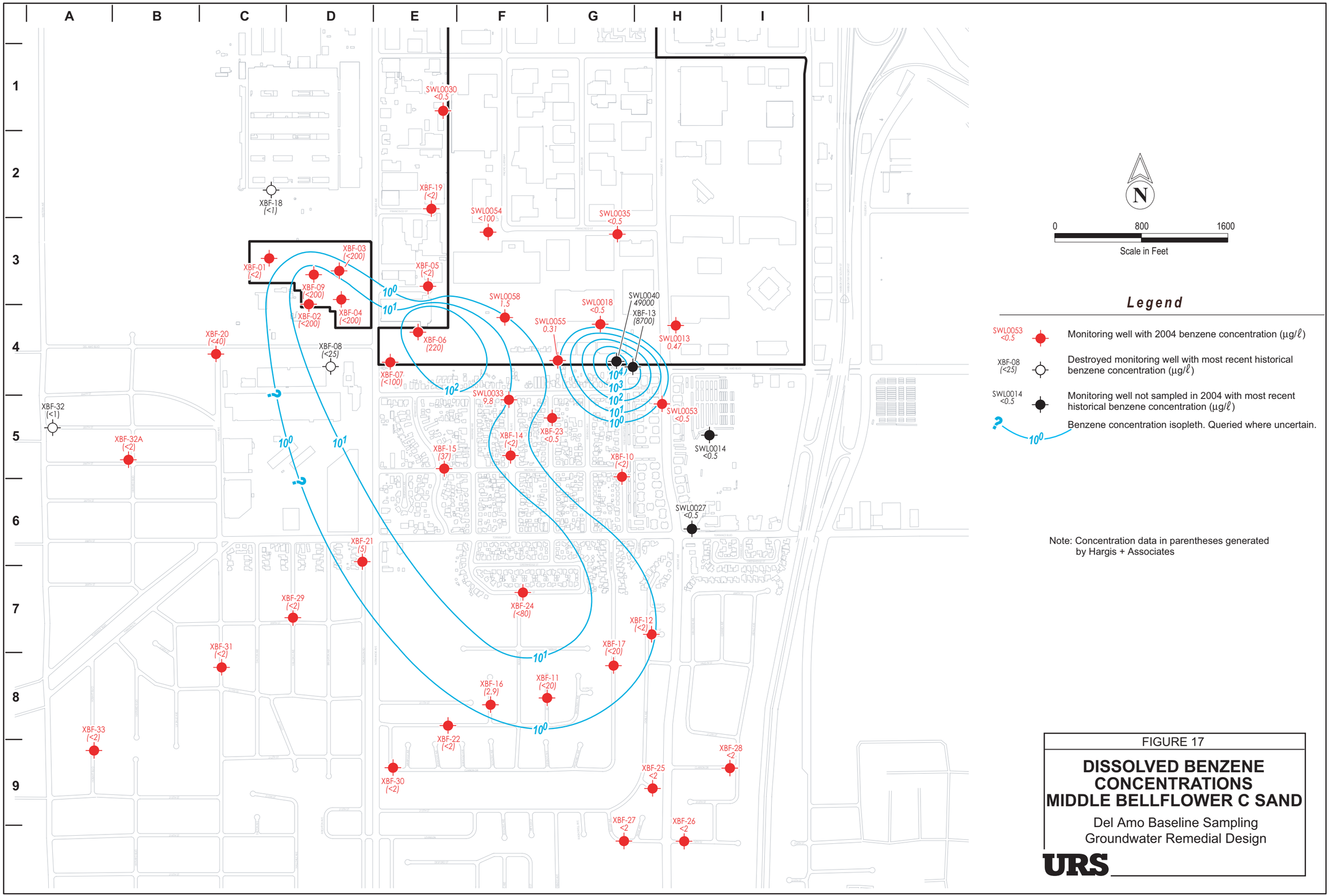



FIGURE 17

**DISSOLVED BENZENE CONCENTRATIONS MIDDLE BELLFLOWER C SAND**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/903-201B

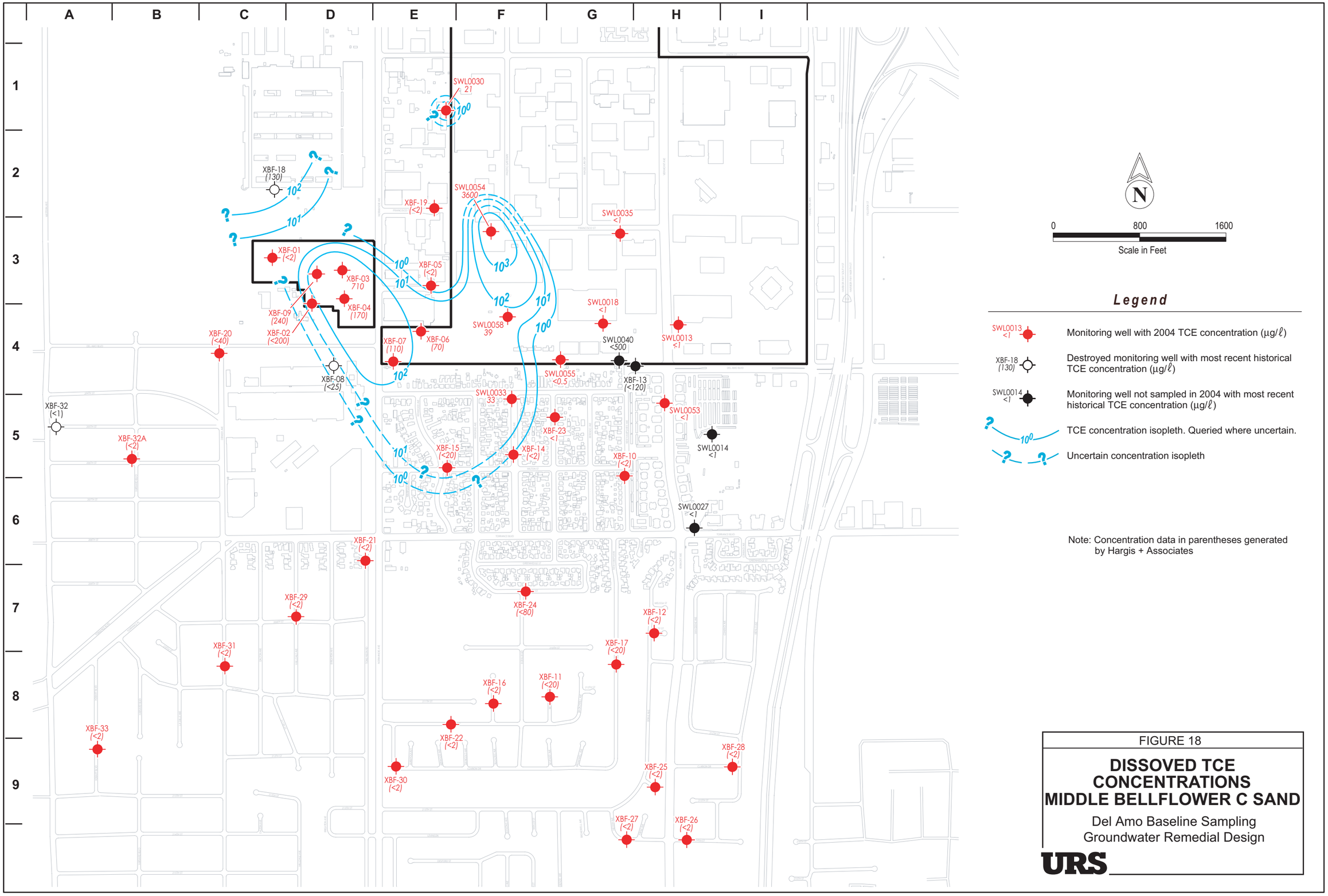



FIGURE 18

**DISSOVED TCE CONCENTRATIONS MIDDLE BELLFLOWER C SAND**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/903-201C

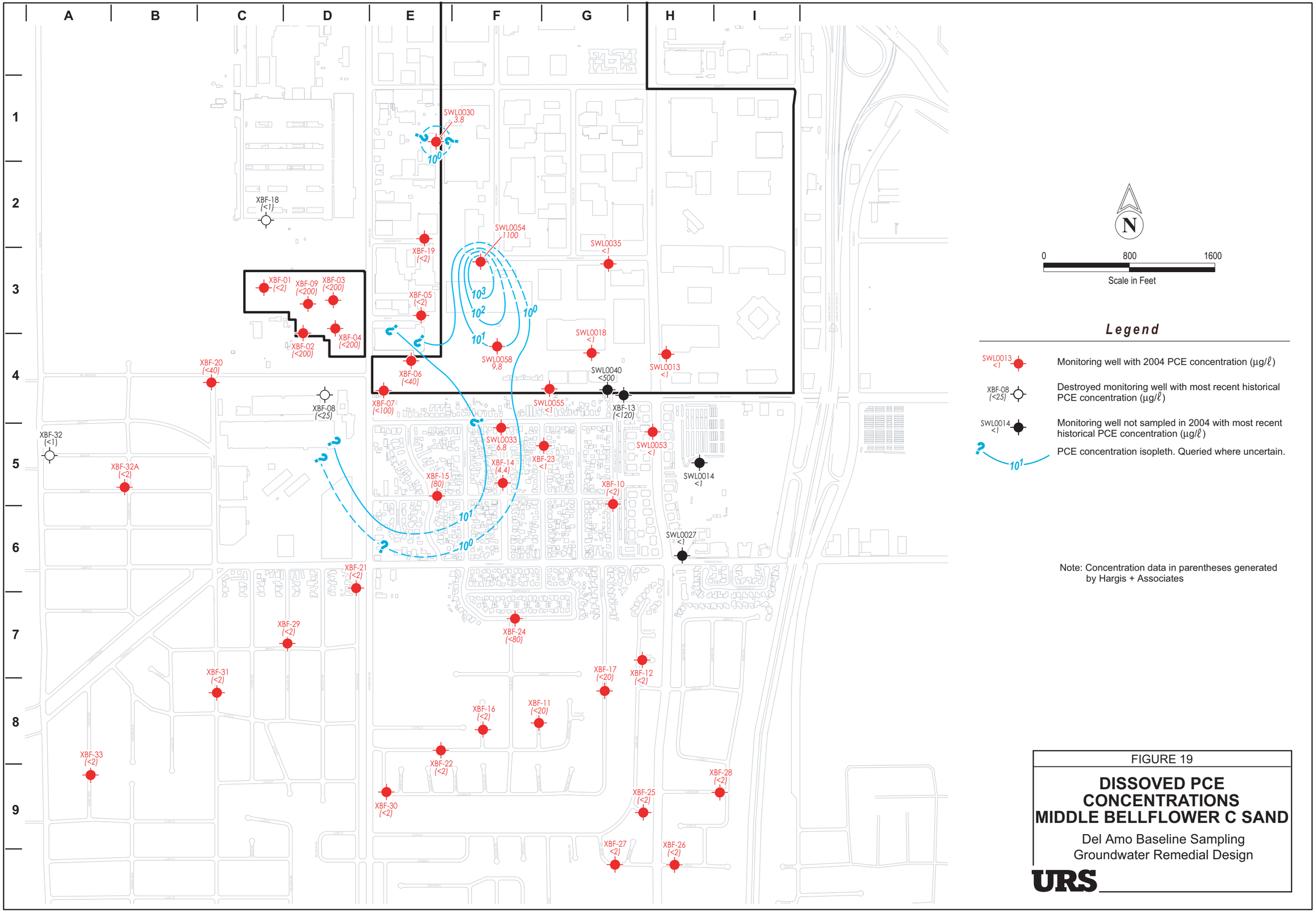



FIGURE 19

**DISSOVED PCE CONCENTRATIONS MIDDLE BELLFLOWER C SAND**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/1004-218

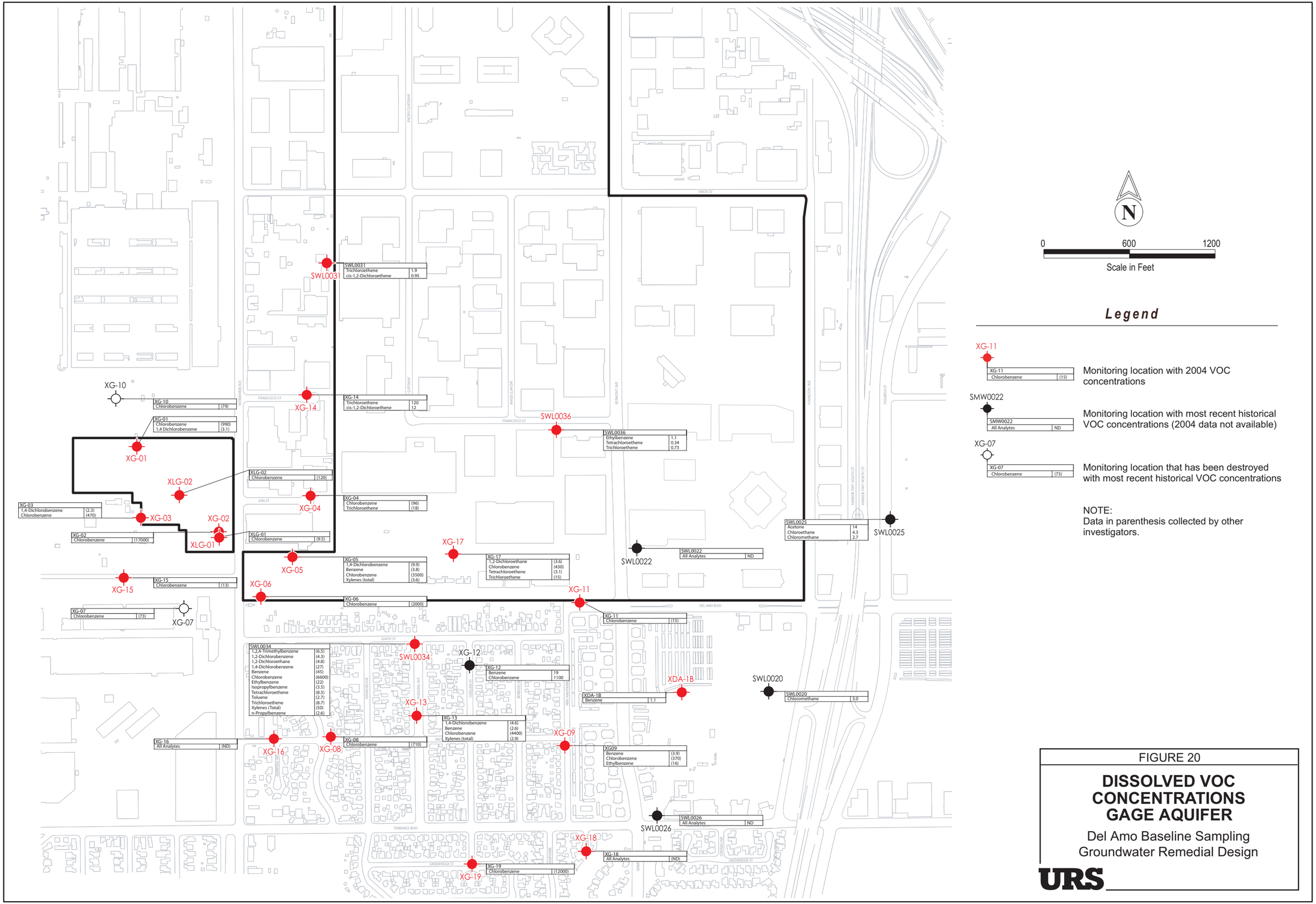



FIGURE 20

**DISSOLVED VOC CONCENTRATIONS GAGE AQUIFER**

Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-203A

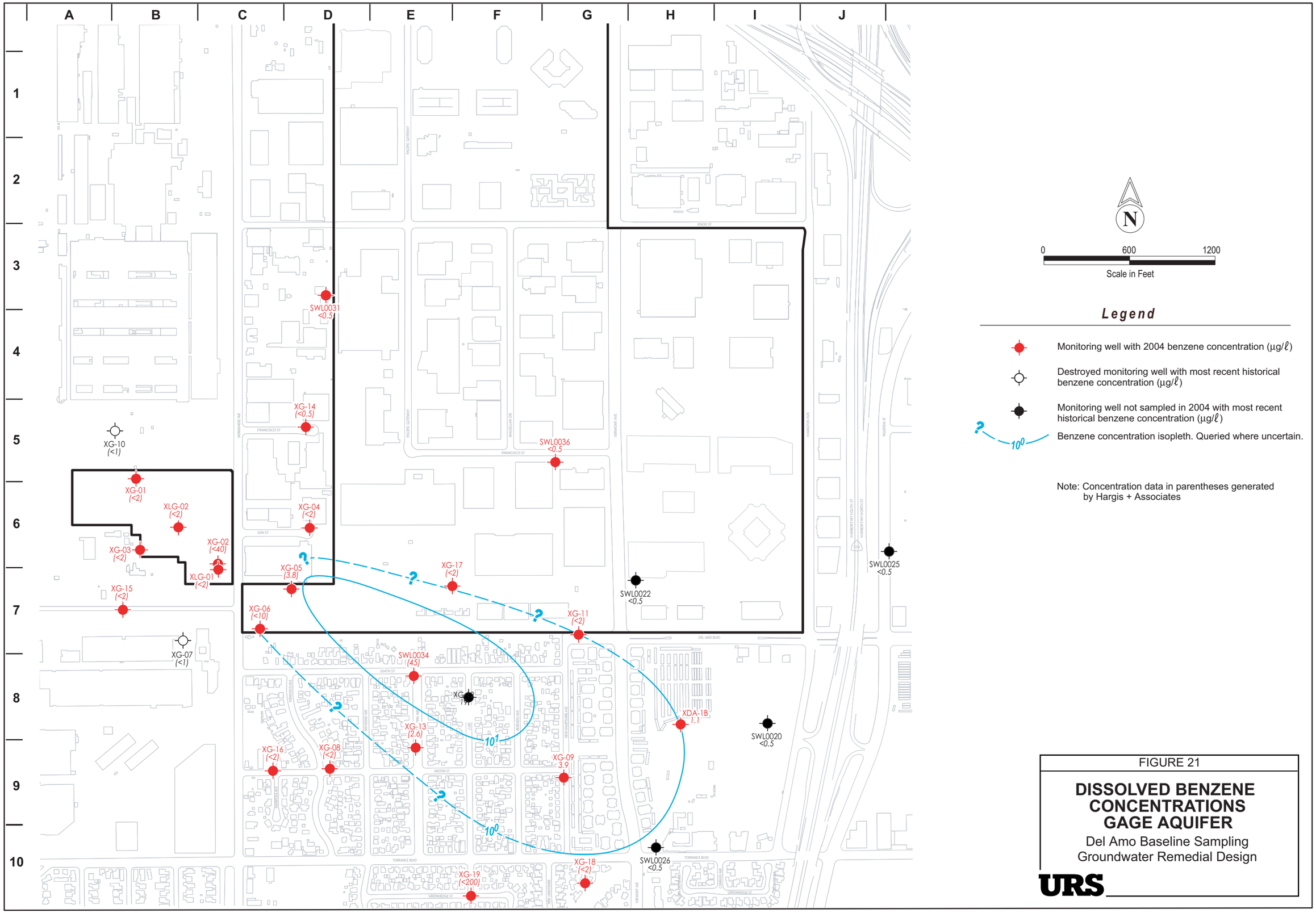


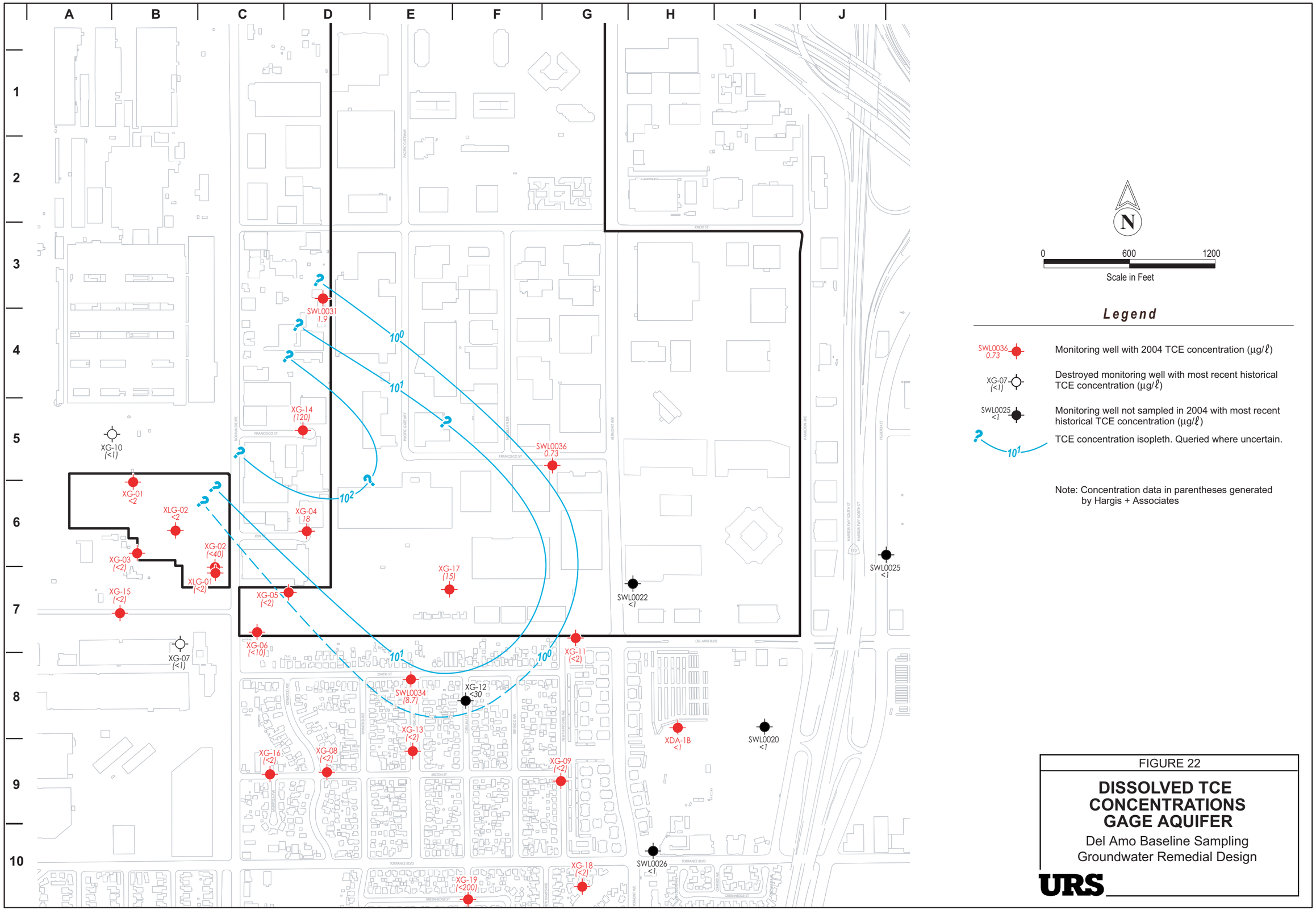

FIGURE 21

**DISSOLVED BENZENE CONCENTRATIONS GAGE AQUIFER**

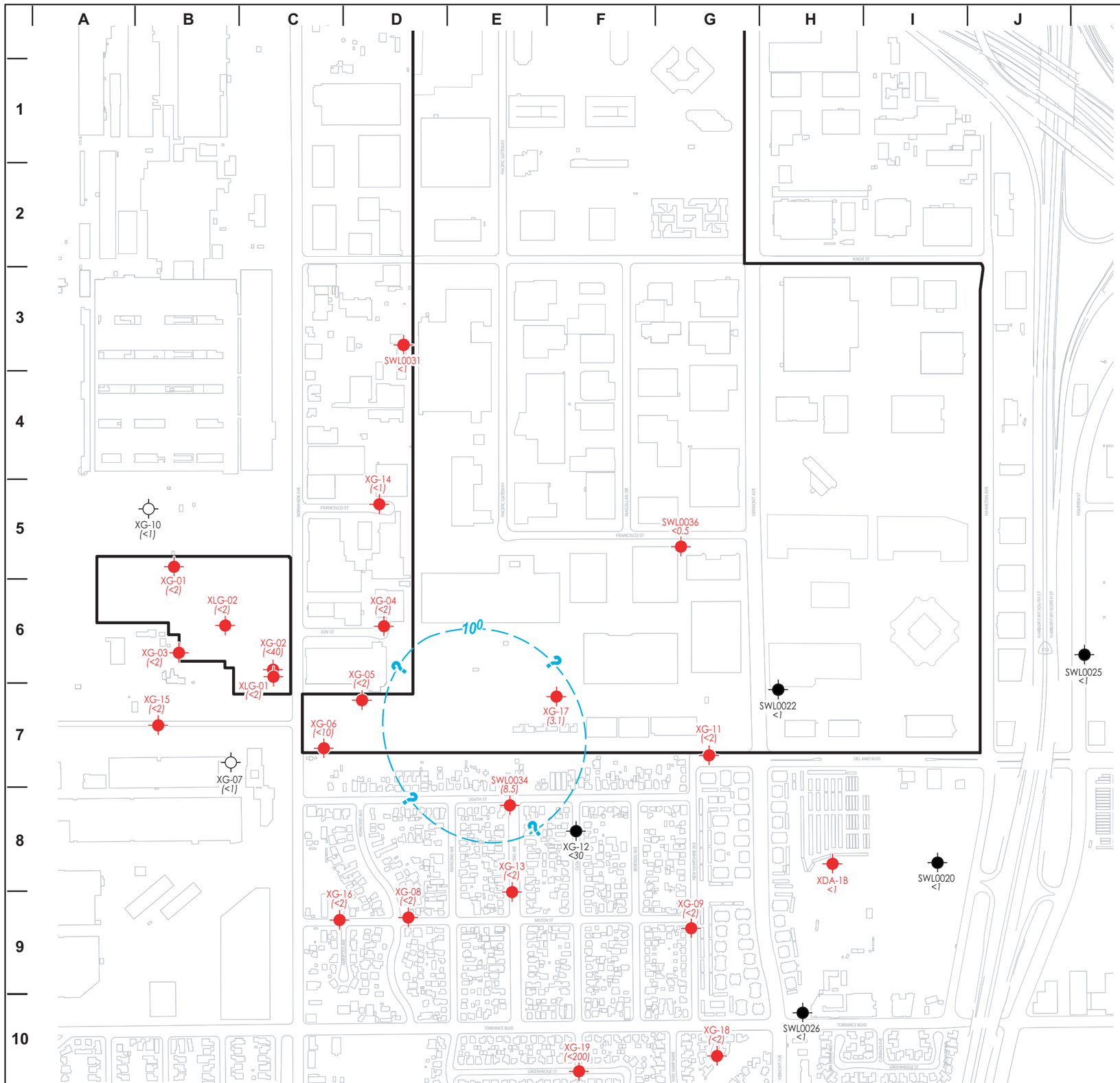
Del Amo Baseline Sampling
Groundwater Remedial Design

URS

T/Ladd/DelAmo/1003-203C



T/Ladd/DelAmo/1003-203B




N

0 600 1200

Scale in Feet

## Legend

- Monitoring well with 2004 PCE concentration (µg/ℓ)
- Destroyed monitoring well with most recent historical PCE concentration (µg/ℓ)
- Monitoring well not sampled in 2004 with most recent historical PCE concentration (µg/ℓ)
- PCE concentration isopleth (µg/ℓ). Queried where uncertain.

Note: Concentration data in parentheses generated by Hargis + Associates

FIGURE 23

**DISSOLVED PCE CONCENTRATIONS GAGE AQUIFER**

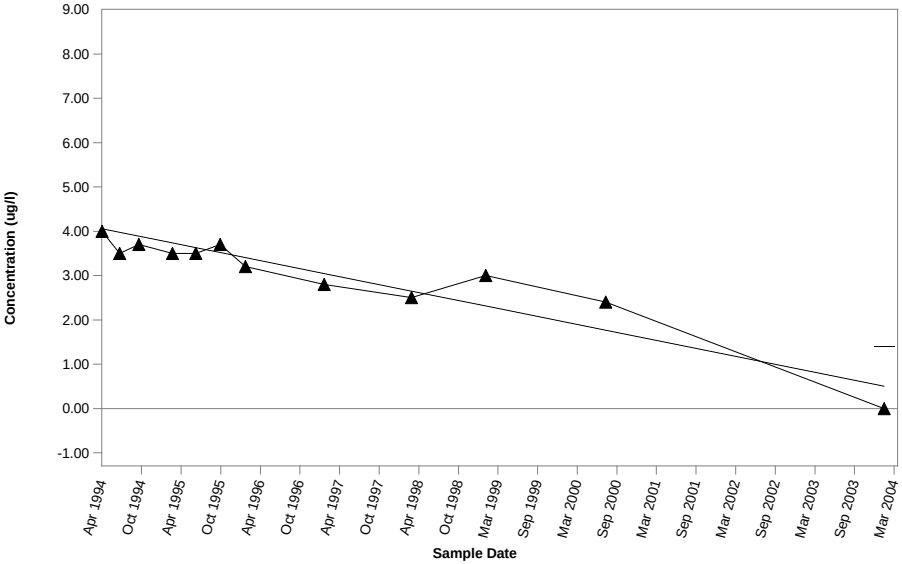
Del Amo Baseline Sampling
Groundwater Remedial Design

URS

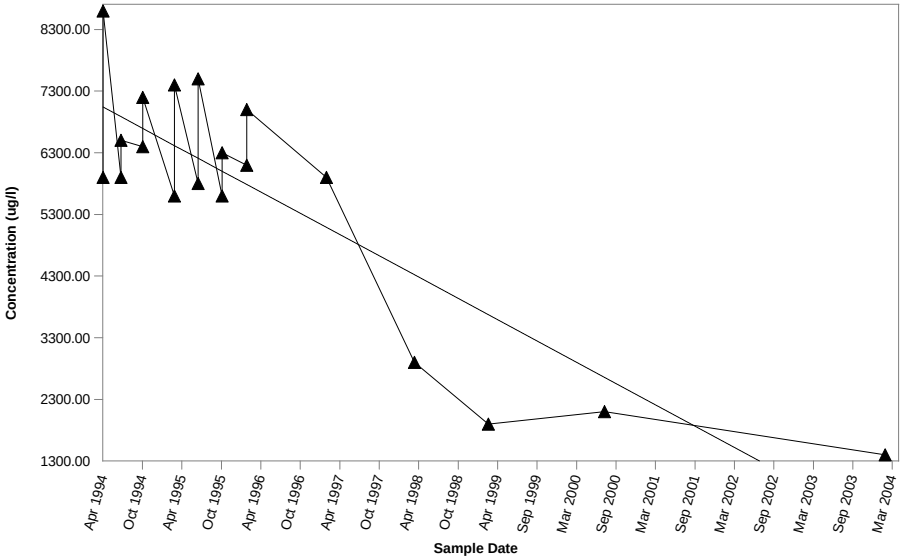
# APPENDIX A

# CONCENTRATION TREND GRAPHS

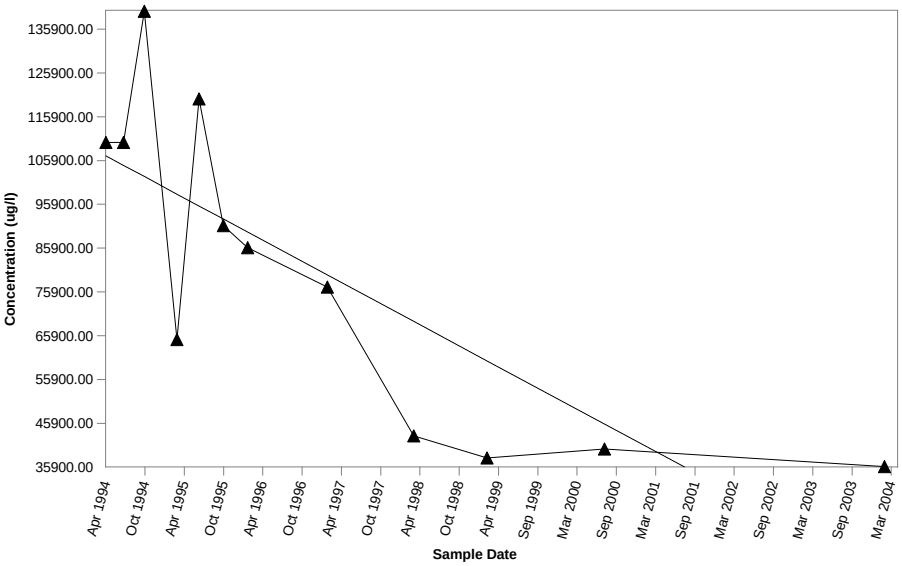
PZL0004
Tetrachloroethene
Slope: -0.365 ug/l per year



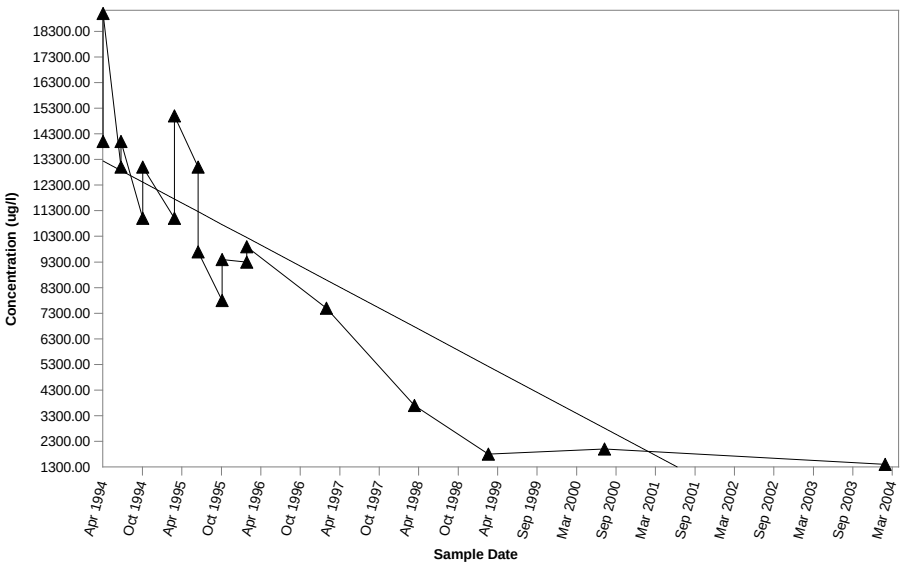

PZL0016
Tetrachloroethene
Slope: -699.819 ug/l per year



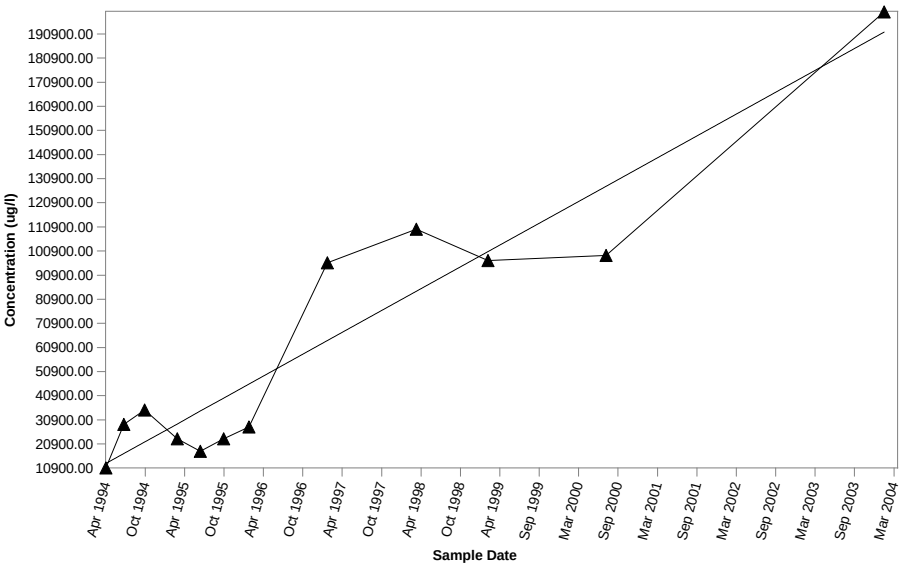

PZL0011
Benzene
Slope: -9789.796 ug/l per year



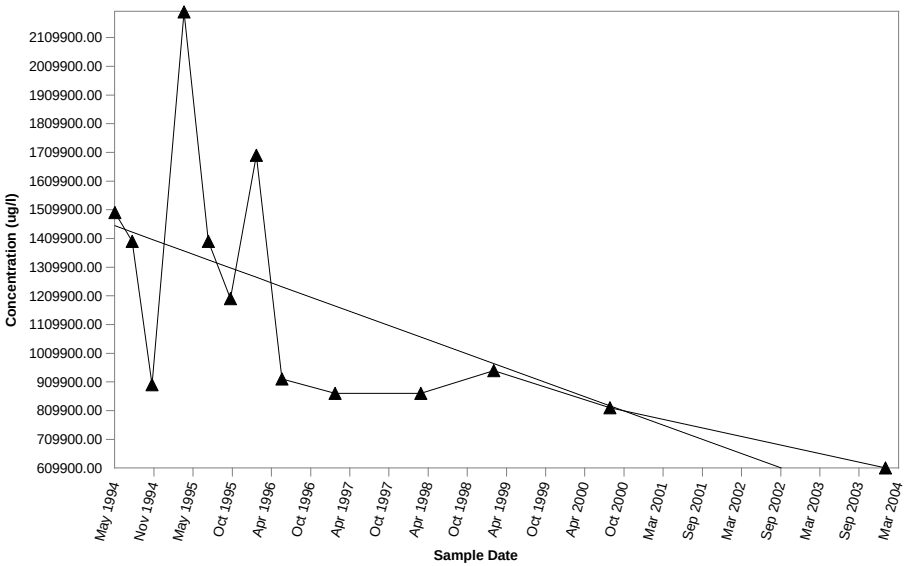

PZL0016
Trichloroethene
Slope: -1663.714 ug/l per year



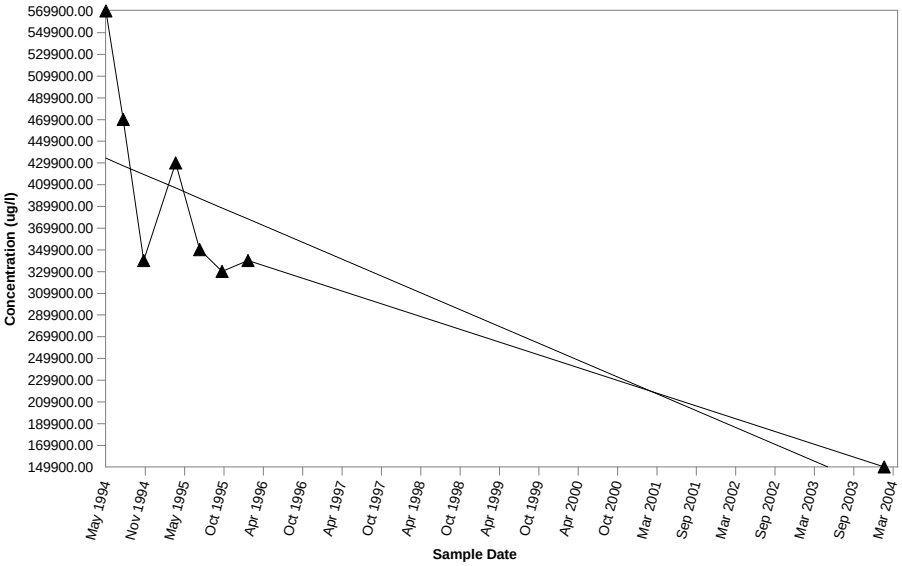
PZL0021
Benzene
Slope: 18380.841 ug/l per year



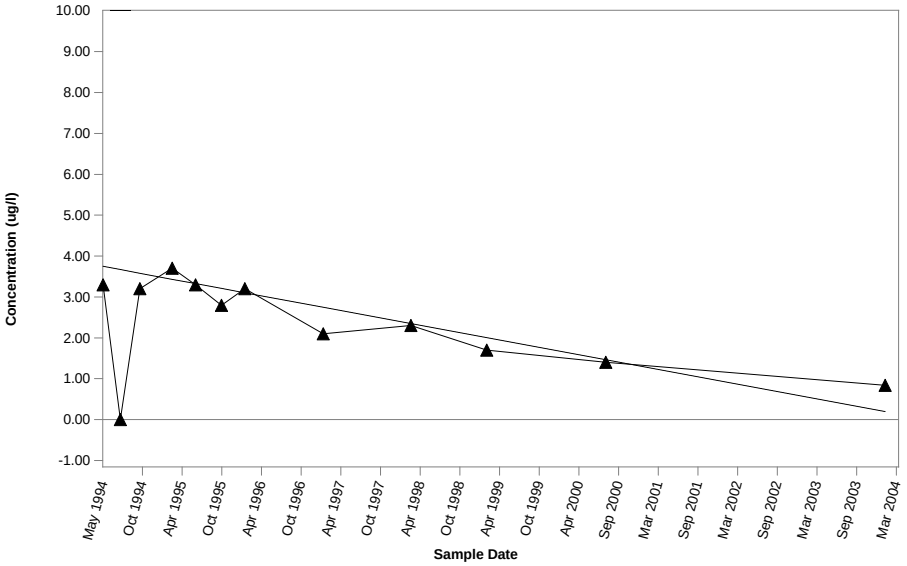

SWL0004
Benzene
Slope: -100703.443 ug/l per year



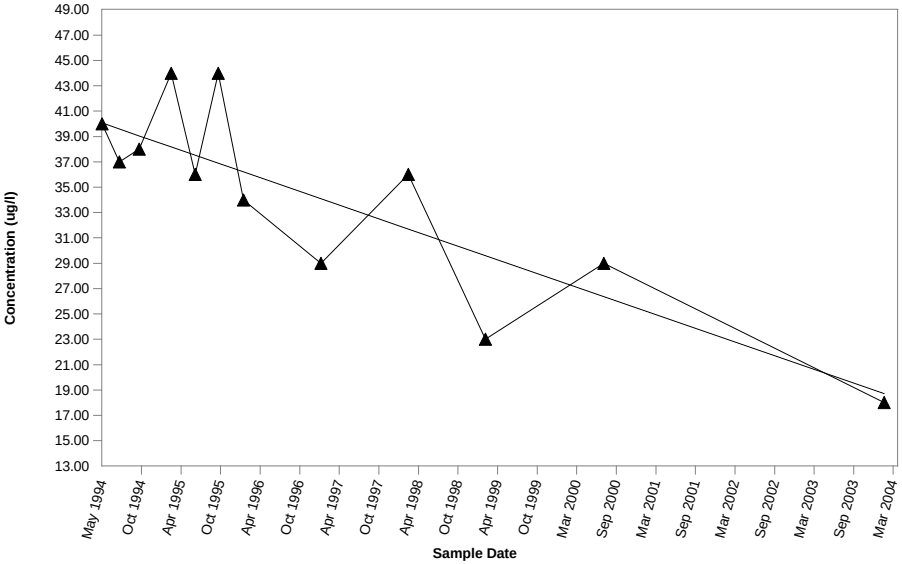

SWL0003
Benzene
Slope: -31460.809 ug/l per year



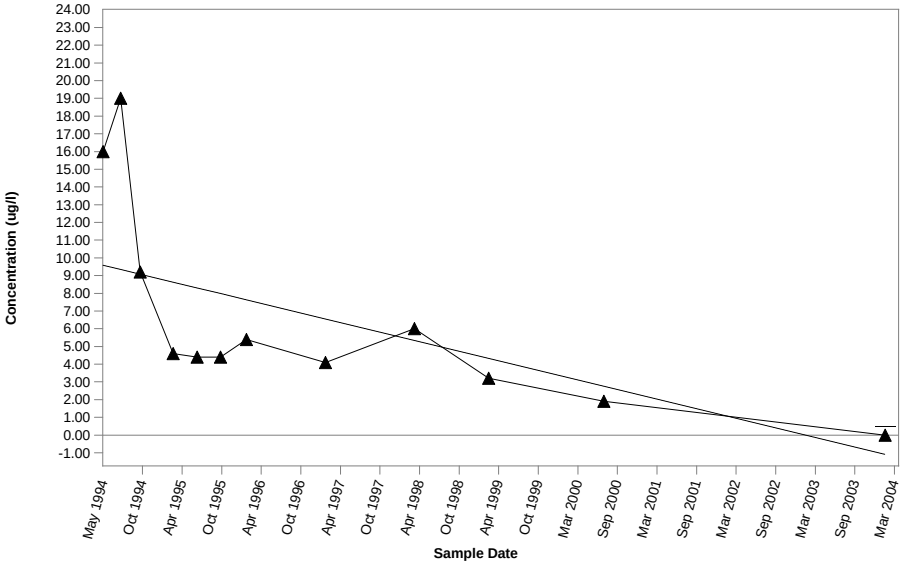

SWL0005
Tetrachloroethene
Slope: -0.365 ug/l per year



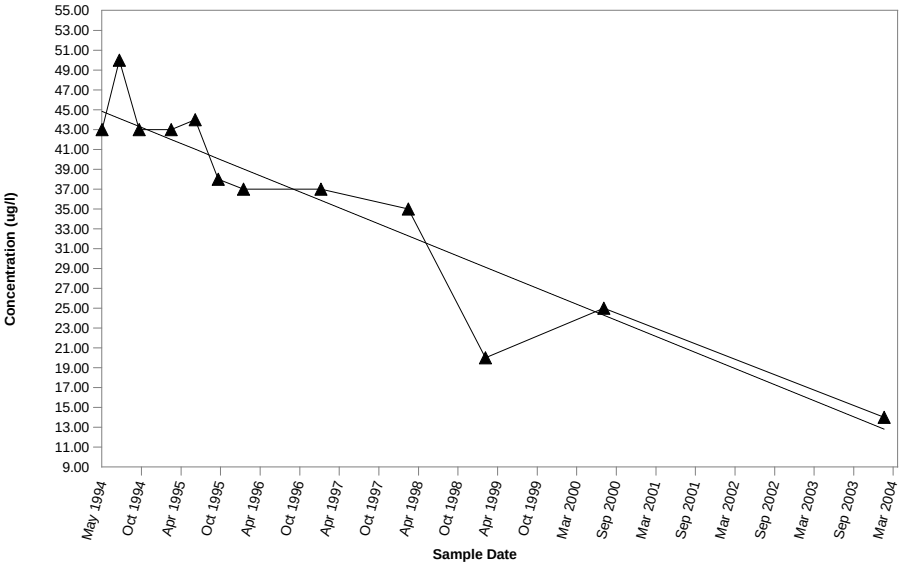
SWL0009
Tetrachloroethene
Slope: -2.192 ug/l per year



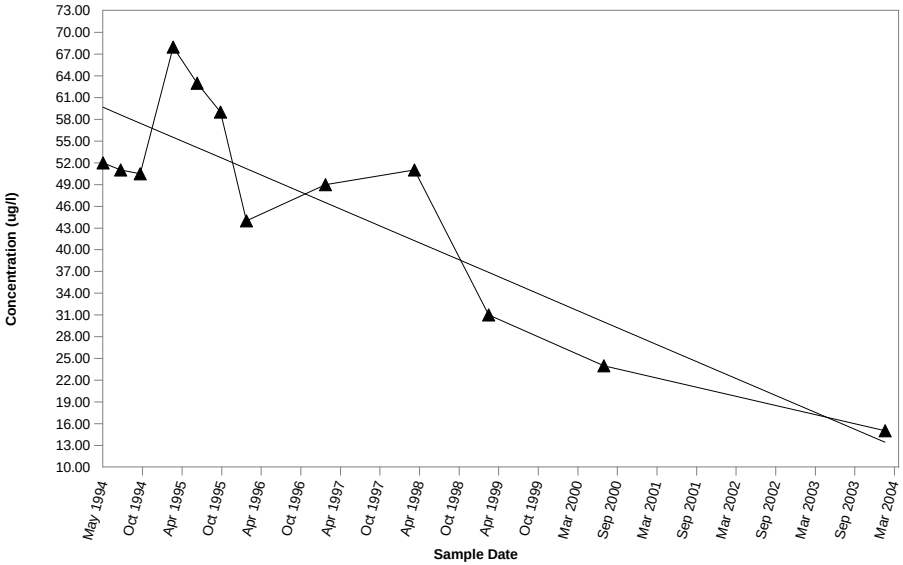

SWL0021
Benzene
Slope: -1.096 ug/l per year



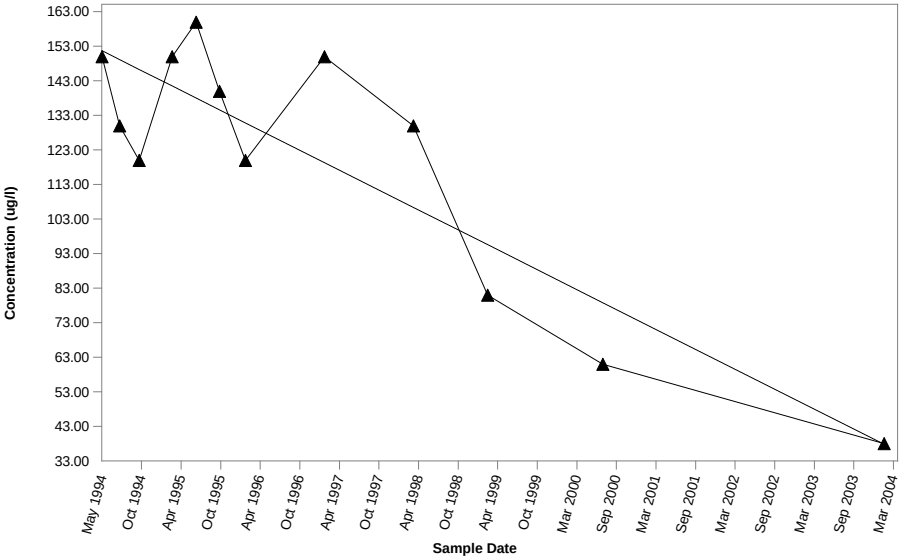

SWL0009
Trichloroethene
Slope: -3.287 ug/l per year



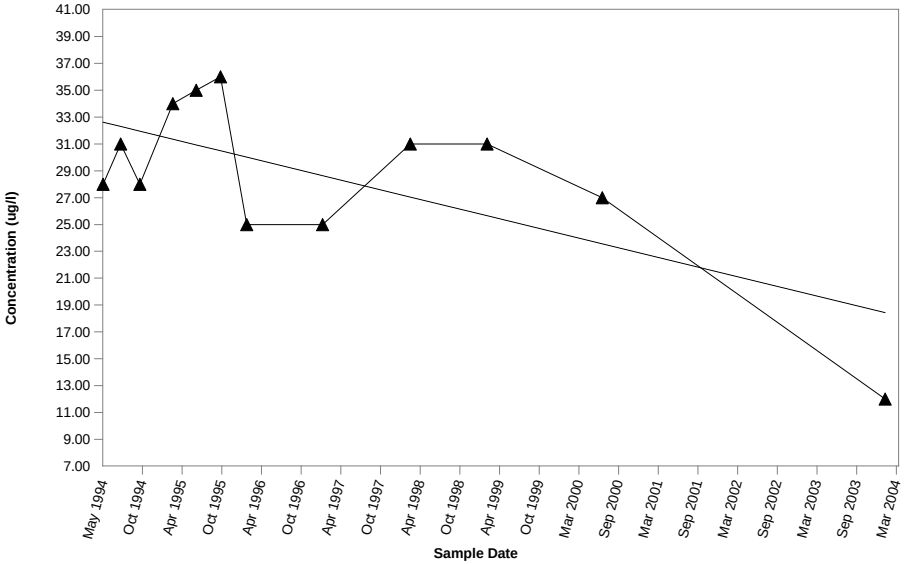

SWL0021
Tetrachloroethene
Slope: -4.748 ug/l per year



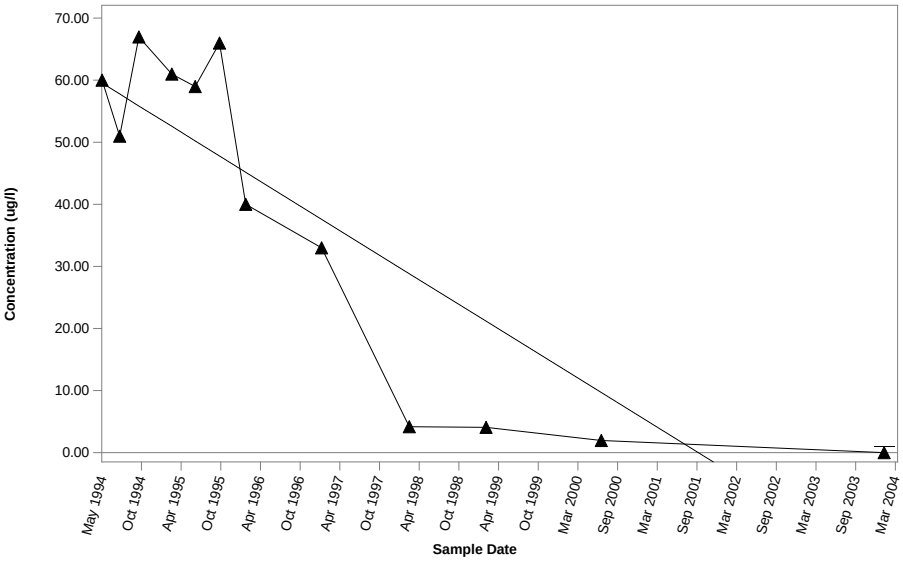
SWL0021
Trichloroethene
Slope: -11.688 ug/l per year



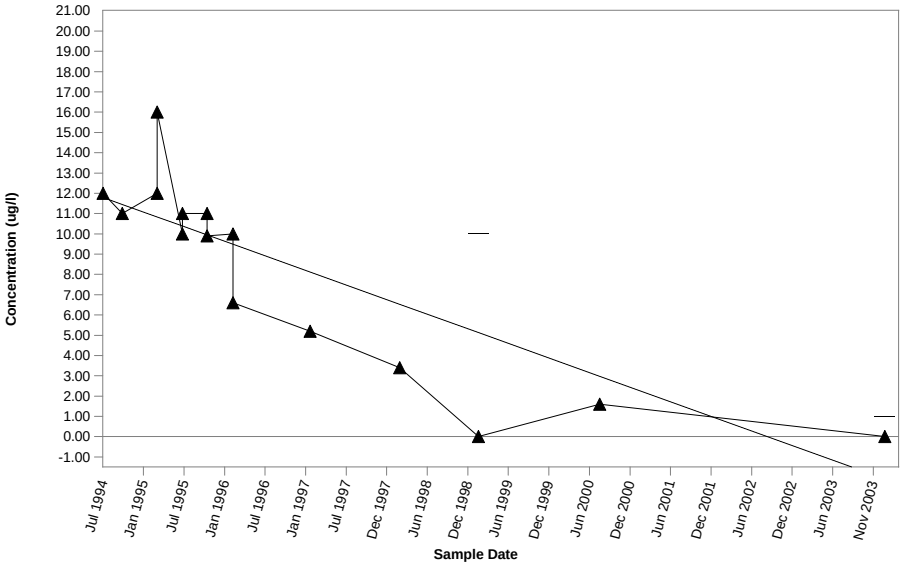

SWL0024
Trichloroethene
Slope: -1.461 ug/l per year



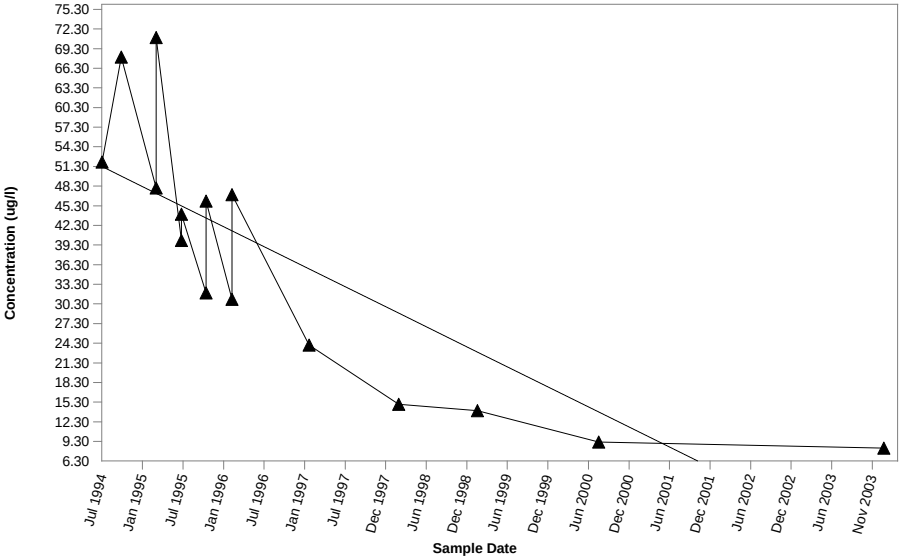

SWL0024
Tetrachloroethene
Slope: -8.036 ug/l per year



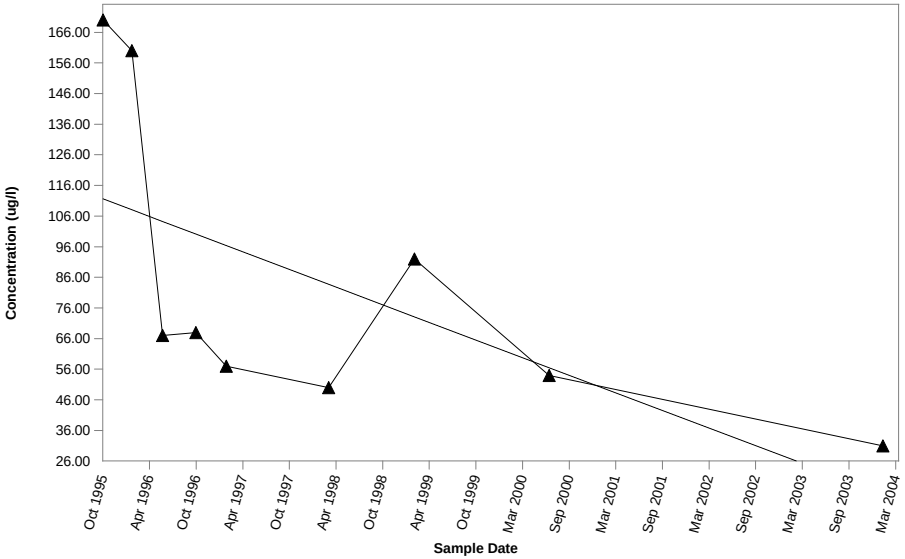

SWL0042
Tetrachloroethene
Slope: -1.461 ug/l per year



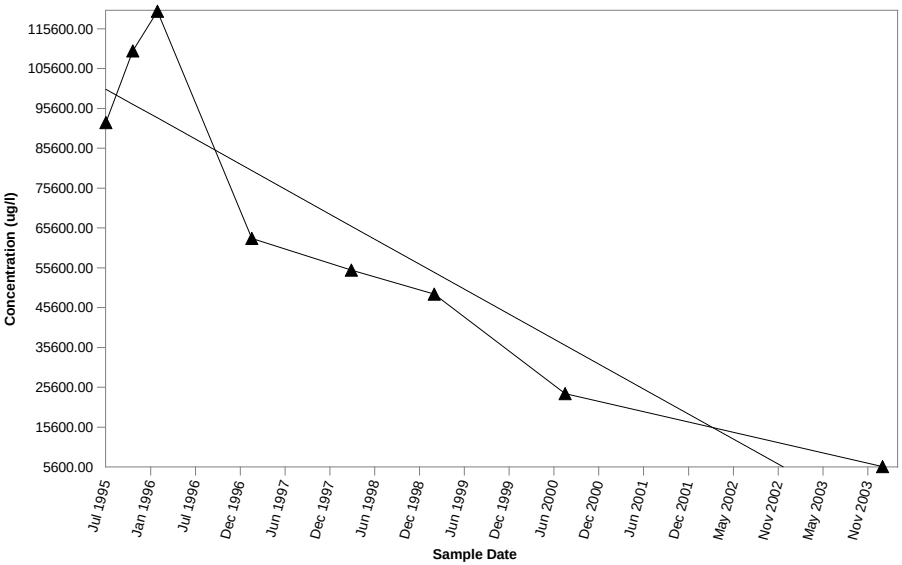
SWL0042
Trichloroethene
Slope: -6.209 ug/l per year



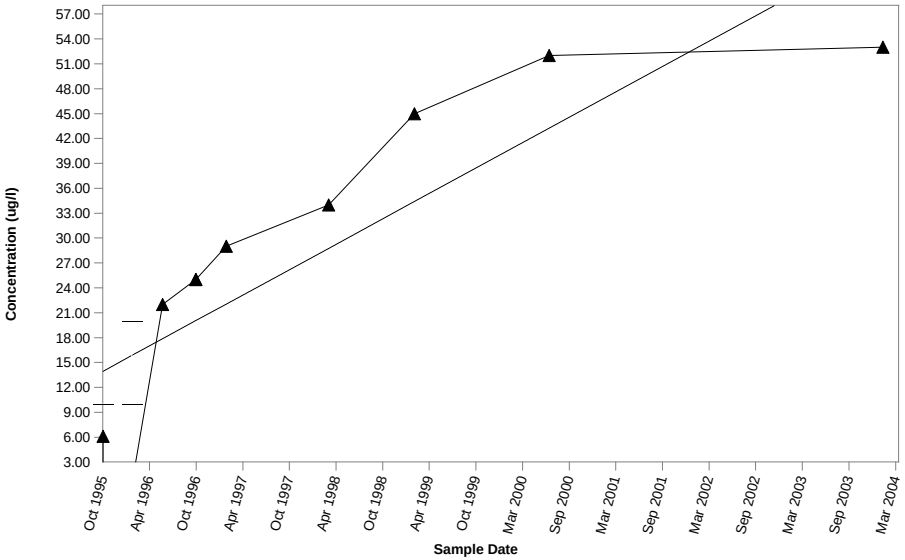

SWL0049
Benzene
Slope: -11.688 ug/l per year



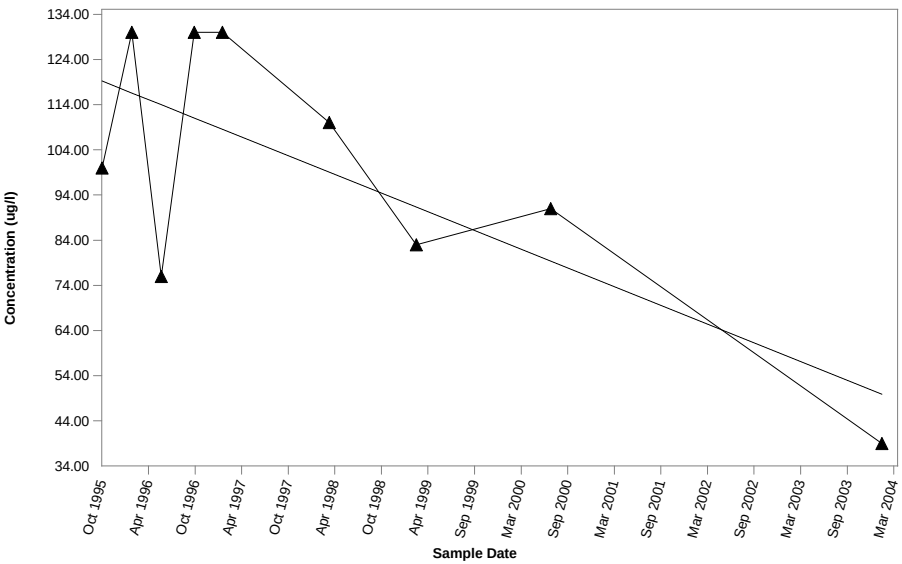

SWL0044
Benzene
Slope: -12725.310 ug/l per year



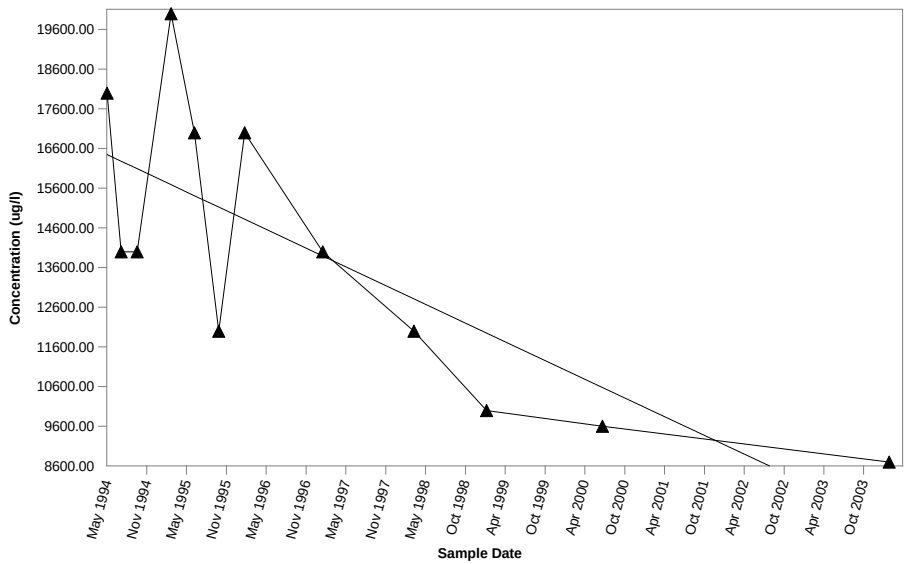

SWL0049
Trichloroethene
Slope: 6.209 ug/l per year



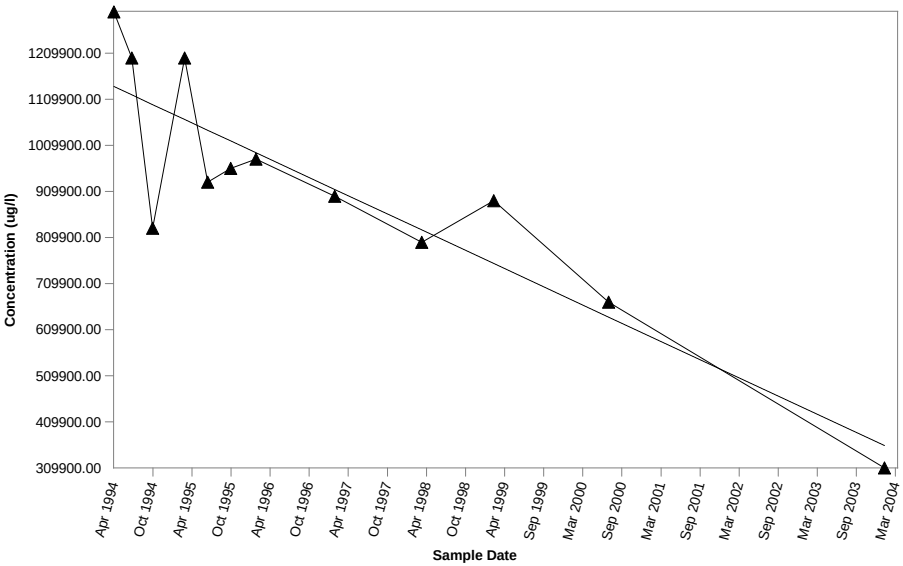
SWL0051
Trichloroethene
Slope: -8.401 ug/l per year



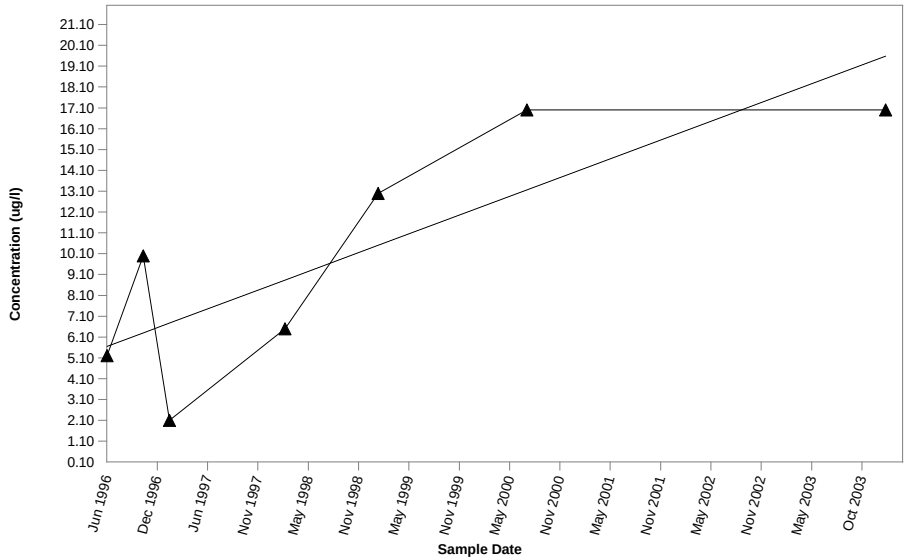

XMW-13
Benzene
Slope: -957.320 ug/l per year



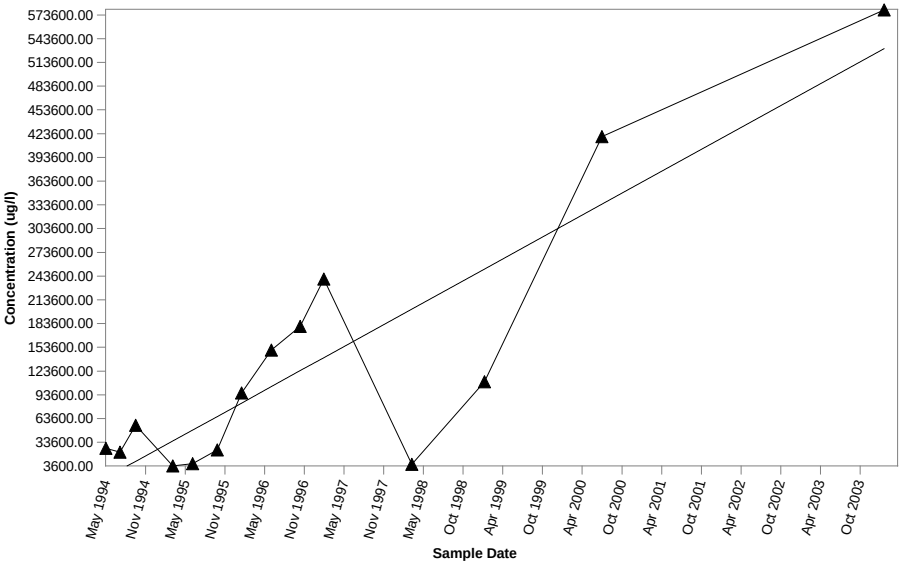

XMW-04HD
Benzene
Slope: -80203.421 ug/l per year



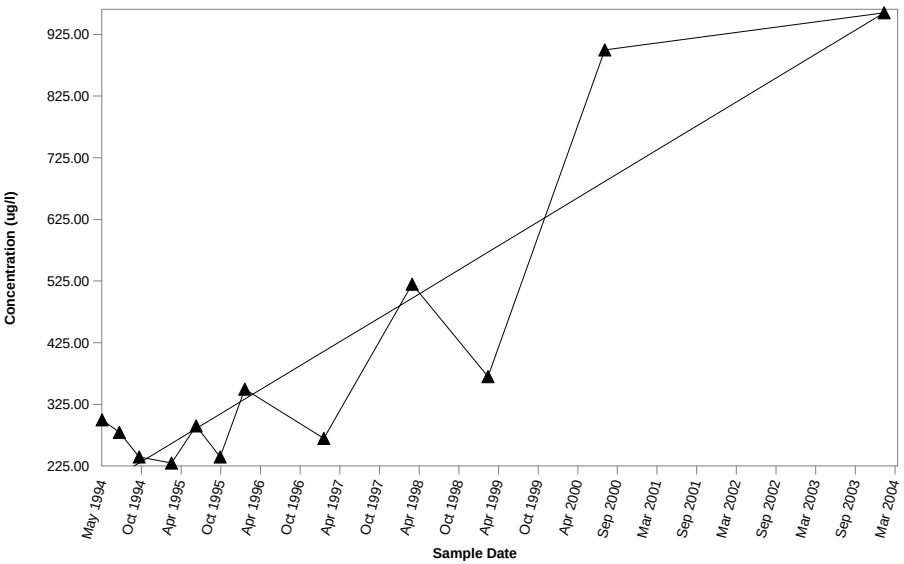

XMW-27
Trichloroethene
Slope: 1.826 ug/l per year



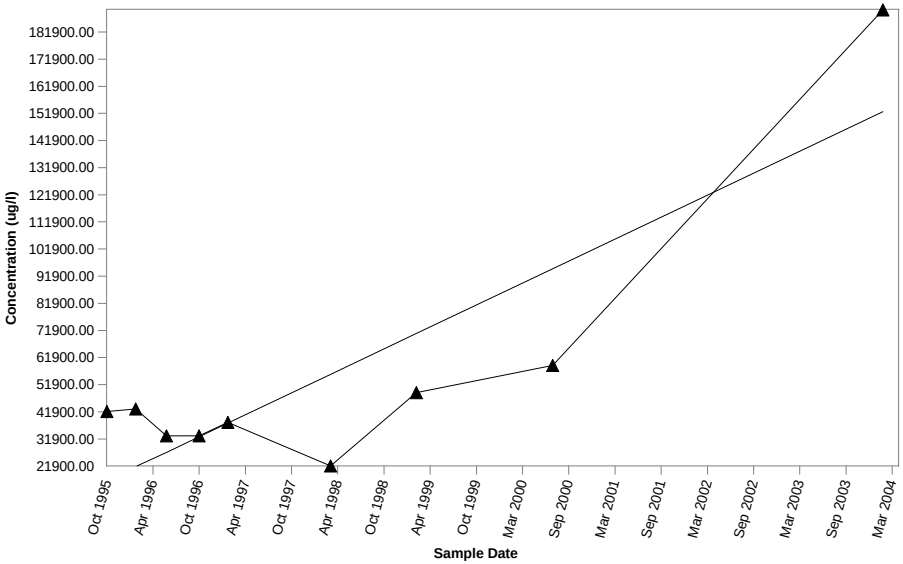
XMW-29
Benzene
Slope: 56130.159 ug/l per year



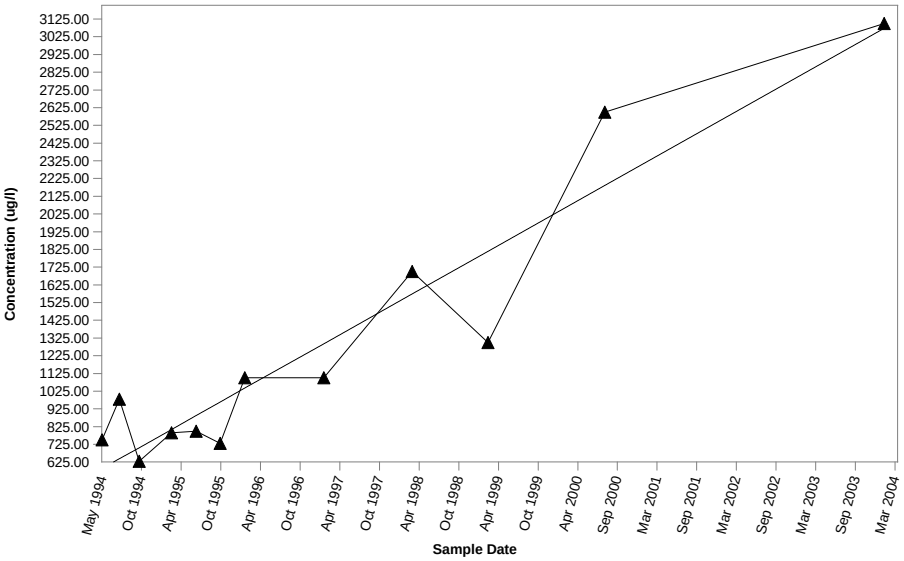
SWL0029
Tetrachloroethene
Slope: 78.894 ug/l per year



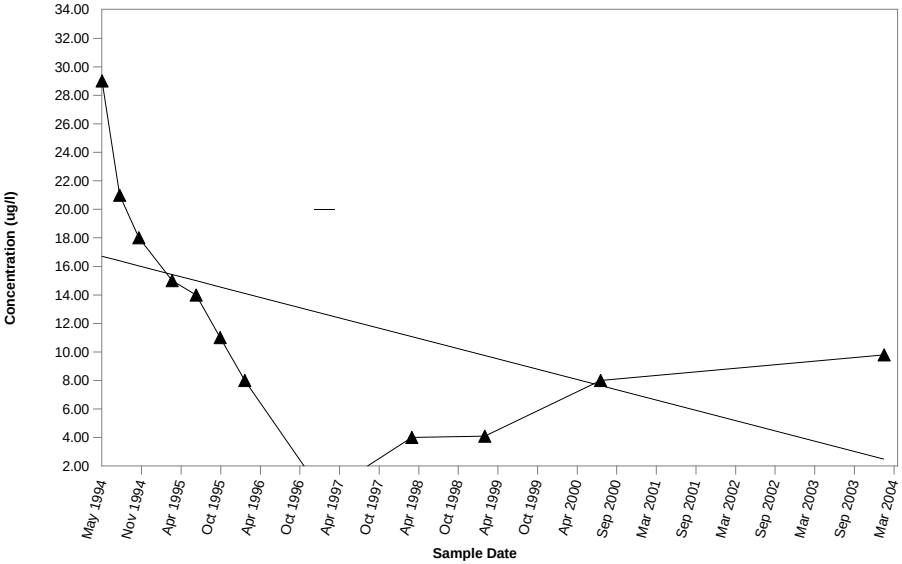

SWL0048
Benzene
Slope: 16426.023 ug/l per year



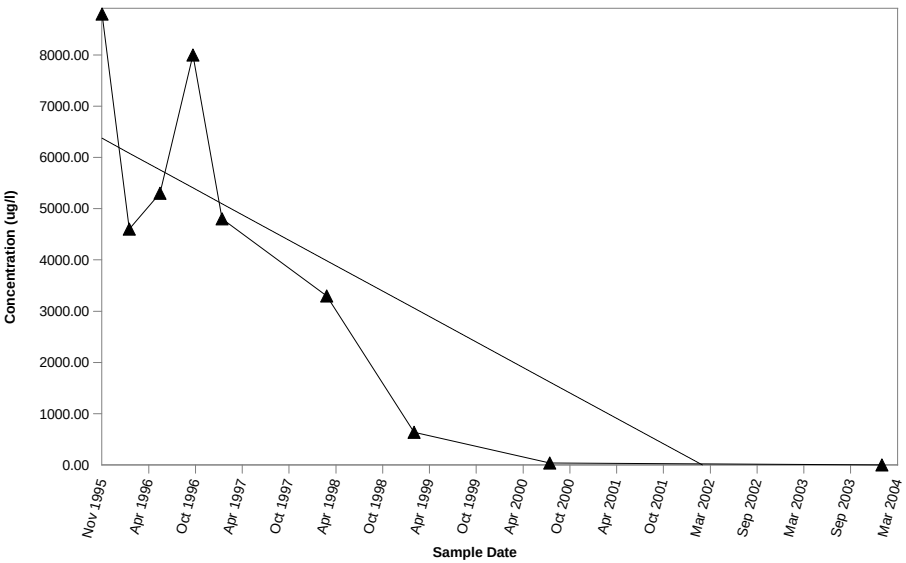

SWL0029
Trichloroethene
Slope: 255.675 ug/l per year



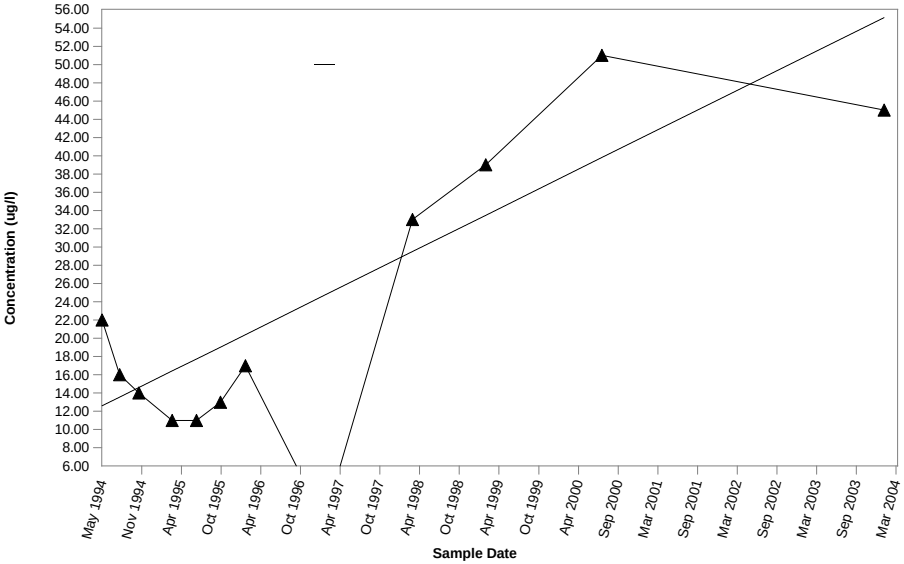
SWL0033
Benzene
Slope: -1.461 ug/l per year



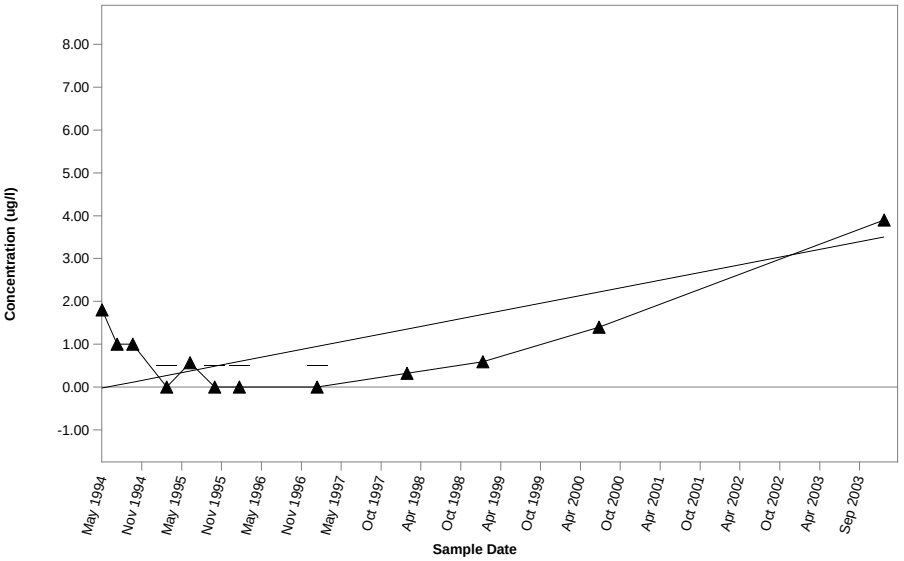

SWL0055
Benzene
Slope: -1007.360 ug/l per year



SWL0034
Benzene
Slope: 4.383 ug/l per year




XG-09
Benzene
Slope: 0.365 ug/l per year



**ATTACHMENT**

**Groundwater Analytical Data, Baseline Sampling Event**
**(electronic format, on CD)**