# GW - 355

# ANNUAL MONITORING REPORT

# 10/15/2008

GW355

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October 15, 2008

Mr. Glenn von Gonten
Environmental Bureau
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Report of Groundwater Remediation Activities
Bell Lake Plant Remediation Site
Transwestern Pipeline Company
Lea County, New Mexico
Case # GW-355

Dear Glenn,

The enclosed Report of Groundwater Remediation Activities is submitted for your review and files. This report presents a summary of groundwater monitoring and remediation activities completed since the last report of remediation activities.

If you have any questions or comments regarding this report, please contact me at (281) 797-3420.

Sincerely,

George Robinson

George Robinson
President/Principal Engineer

xc w/attachment:

| | |
|---|---|
| Sam Duletsky | Transwestern Pipeline Company |
| Larry Campbell | Transwestern Pipeline Company |
| Larry Johnson | NMOCD Hobbs District Office |
| Thaddeus Kostrubala | New Mexico State Land Office |

GW355

# Report of Groundwater Remediation Activities
# July 2007 – July 2008



**Transwestern Pipeline Company**
**Bell Lake Gas Plant**
**Lea County, New Mexico**

**CASE # GW-355**

**Submitted to:**
**New Mexico Oil Conservation Division**

**July 31, 2008**

Prepared For:
Transwestern Pipeline Company
6381 North Main Street
Roswell, NM 88201

Prepared by:
Cypress Engineering Services, Inc.
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Houston, Texas 77095

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**Attachments**


1 Concentration History Plots, Benzene and pH

2 Concentration History Plots, TDS and Chloride

3 Concentration History Plot at SVE Exhaust

4 Hydrographs

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6 Laboratory Reports for Groundwater Samples

# 1. Groundwater Monitoring Activities

## 1.1 Semi-Annual Groundwater Sampling Events

Two semi-annual groundwater sampling events have been completed since the last report of remediation activities. These events were completed in December 2007 and May 2008.

Prior to sampling, the depth to water, and the depth to hydrocarbon where phase-separated hydrocarbons (PSH) were present, was determined for each monitoring well. The measured depth to water and the corresponding water table elevation for each monitoring and SVE well is presented in Table 1.

In the course of each sample event, groundwater samples were collected from selected monitoring and SVE wells at the site. In addition, groundwater samples were collected from the on-site water well. Samples were not collected from wells with accumulated PSH in the well casing. Groundwater samples were delivered to a laboratory for analysis for benzene, toluene, ethylbenzene, and xylene (BTEX) by EPA Method 8021B, selected metals by EPA Method 6010B, total dissolved solids (TDS) by SM 2540C, and chlorides by EPA Method 300.0.

A summary of laboratory results for organics and field measured groundwater quality parameters (pH, temperature, electrical conductivity and dissolved oxygen) is presented in Table 2. A summary of laboratory results for inorganics is presented in Table 3. A copy of the laboratory reports for each of the sampling events is included as an attachment to this report.

## 1.2 Results/Conclusions from Groundwater Sampling Events

### *1.2.1 Occurrence and Direction of Groundwater Flow*

A water table elevation map based on measurements obtained in the course of the May 2008 sampling event is included as Figure 2. The apparent direction of groundwater flow is consistent with water table elevation maps previously developed for this site.

Hydrographs for selected wells have been included as an attachment to this report. For wells that have contained accumulated PSH in the well casing, the thickness of PSH measured in the well is also presented with the hydrograph.

### *1.2.2 Lateral Extent of Phase Separated Hydrocarbon*

The lateral extent of PSH is currently defined by the occurrence of PSH at the water table in wells MW-4, SVE-3, SVE-8 and SVE-13 and the absence of PSH in all other wells. The thickness of accumulated PSH in wells is presented in Table 1. A figure indicating the estimated area with PSH present at the water table is included as Figure 3.

The thickness of PSH accumulated in wells has decreased significantly since remediation efforts began in 1996. For example, 3.54 feet of PSH was measured in well SVE-3 in May 1996. This was reduced to no measurable thickness in the well by August 2000. Since then, the amount of PSH accumulated in the well has slowly increased to 0.12 feet as measured in May 2008, but still significantly less than that originally measured in the well. Similar reductions in the amount of measurable PSH has been documented in wells SVE-1, SVE-4, SVE-9, SVE-10, and SVE-12.

In recent years, a significant thickness of PSH has persisted in just two wells, wells SVE-8 and SVE-13, where in May 2008, PSH was measured at 1.22 feet and 1.66 feet, respectively.

The reduction of PSH accumulated in wells is an indication that the soil vapor extraction system has effectively been removing PSH from the subsurface.

### *1.2.3 Condition of Affected Groundwater*

Elevated concentrations of benzene, TDS, and chlorides continue to be the primary constituents of concern at the site. The distribution of BTEX constituents dissolved in groundwater is presented in Figure 4. The distribution of inorganic constituents dissolved in groundwater is presented in Figure 5. The condition of affected groundwater has not changed significantly from previous sampling events as evidenced by the data presented in Tables 2 and 3. Concentration history plots for selected wells are included as an attachment to this report. The plots were prepared using concentration data presented in Tables 2 and 3.

## 2. Status of Remediation Activities

### 2.1 Remediation Activities Completed through July 2008

The following remediation activities have been completed since the last report of groundwater remediation activities:

1) An SVE system vapor sample was collected on July 1, 2008. A summary of the laboratory results for vapor samples is presented in Table 4. A concentration history plot for vapor samples is presented as an Attachment.
2) The SVE system operated continuously during the 12 month reporting period except for brief shutdowns for system maintenance. Based on the laboratory results for the SVE sample collected on July 1, 2008, the SVE system is removing natural gas condensate from the ground at an estimated rate of 350 gallons equivalent per year.
3) The PSH recovery system was shut down on May 20, 2008 and will be restarted after repairs are made to the recovery well pumps.

## 3. Proposed Modifications

### 3.1 Modifications to the Routine Groundwater Sampling Plan

Sampling location, frequency and the sampling analysis plan will continue on a semi-annual basis. A summary of the sample analysis plan is presented in Table 6.

### 3.2 Modifications to the Remediation System

Currently, the liquid recovery system consists of five pneumatic PSH skimming pumps. This system was taken out of service in May 2008 in order to make repairs to the pumps and to evaluate the need for continued operation of the liquid recovery system. Presently, it appears that the SVE system is much more effective than the liquid recovery system in removal of PSH from the subsurface. Furthermore, only two wells currently contain an accumulation of PSH that is great enough to effectively utilize the PSH skimming pumps.

In April 2004, a Discharge Plan application was submitted to the OCD for an expansion of the remediation system to include total fluids (both PSH and water) recovery from the perched aquifer. The proposed modification would replace the skimming pumps with five pneumatic total fluids pumps. The objective is to more aggressively recover PSH and contaminated groundwater present near the release area. On October 25, 2004, Discharge Plan GW-355 was issued by the OCD for this modification.

An integral part of the system expansion was to include the installation of an evaporation pond for management of recovered groundwater. The evaporation pond was designed to have an effective water surface area of about one acre. Since there is not sufficient area available within the Bell Lake Plant facility for this installation, the pond would be constructed on adjacent property. The adjacent property is owned by the State of New Mexico and administered by the State Land Office. The State Land Office has requested a remediation alternative analysis prior to entering into a lease access agreement for construction of the evaporation pond. More specifically, the State Land Office requested that alternatives should include off-site disposal and deep well injection.

Transwestern has not yet completed the remediation alternative analysis, however, a fourth alternative that includes water treatment by reverse osmosis (RO) is currently being evaluated. With this option, only reject water from the RO unit would require off-site disposal.

Transwestern intends to complete the alternative analysis and have the liquid recovery system installed and in operation by mid-year 2009. If necessary, Transwestern will amend the existing Water Development Easements and/or enter into a lease access agreement with the State Land Office in order to implement the liquid recovery system.

### 3.3 Reporting Frequency

Annual reporting will continue with the next scheduled report being submitted to the OCD by September 30, 2009.

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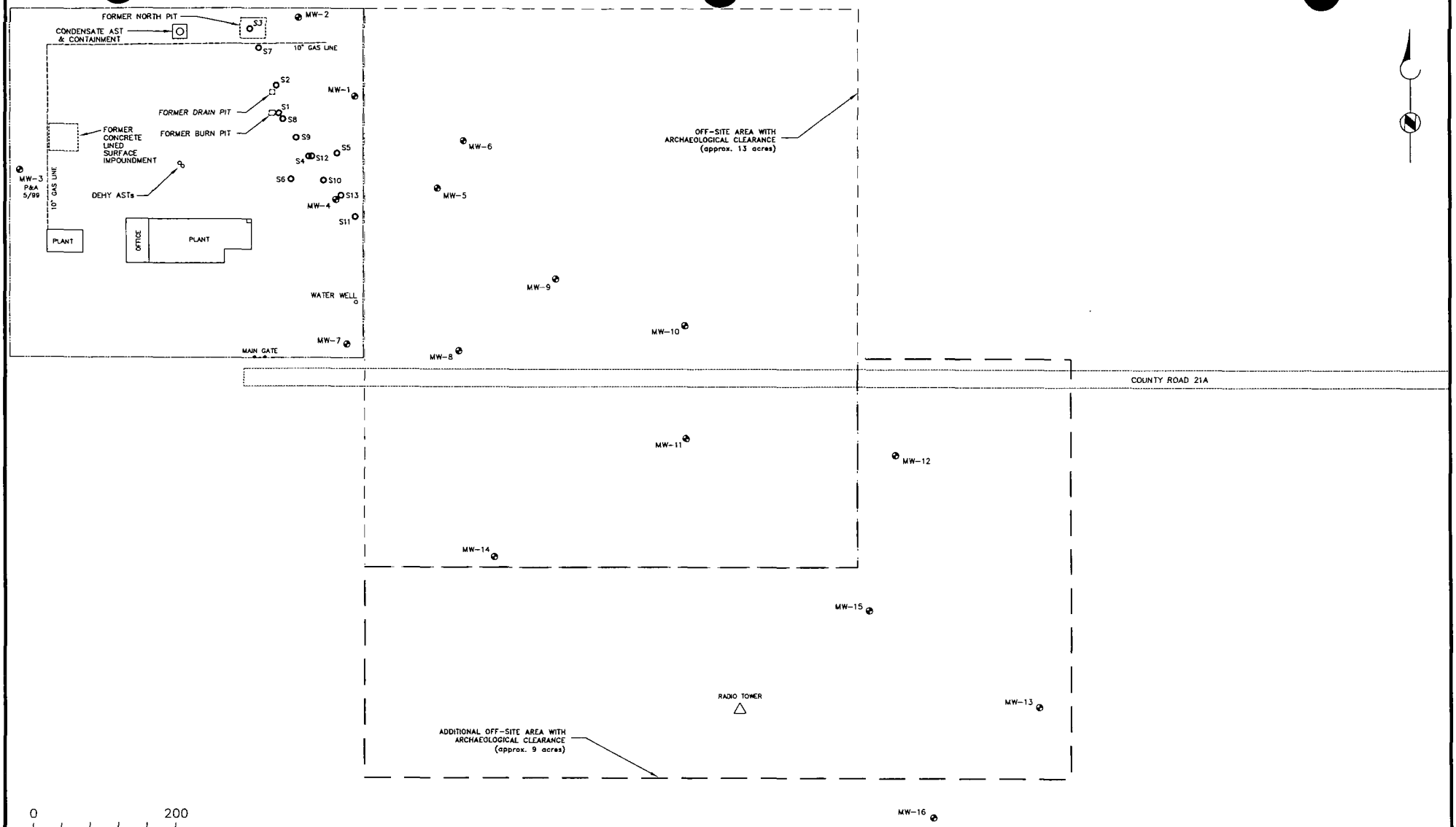



0 200

SCALE: 1" = 200'

LEGEND

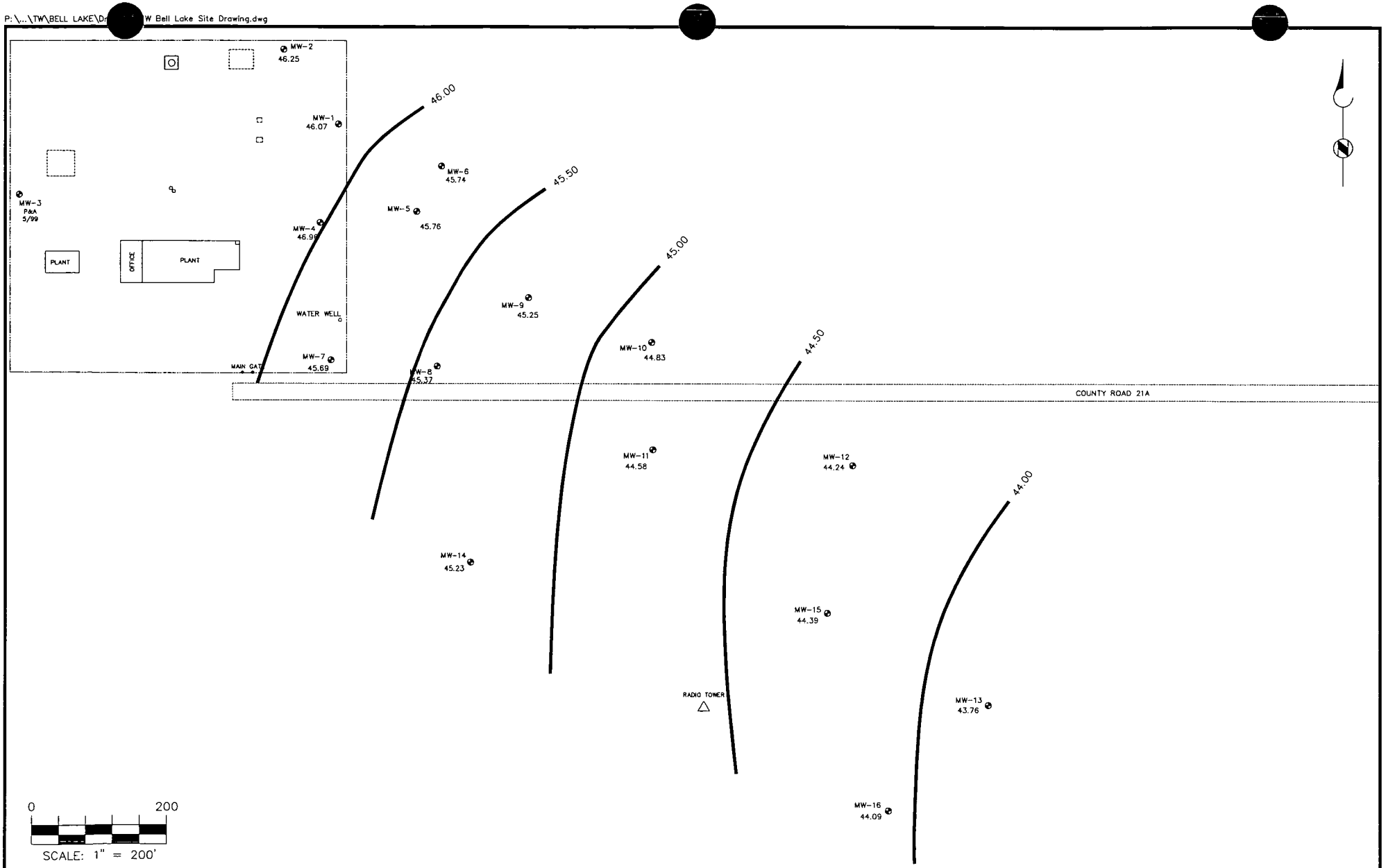
- Monitoring Well
- SVE Well

FIGURE 1

SITE MAP

TRANSWESTERN PIPELINE COMPANY
BELL LAKE PLANT

CYPRESS ENGINEERING SERVICES, INC.



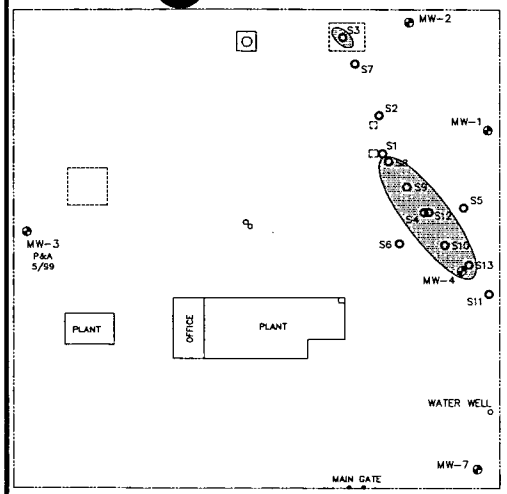

GROUNDWATER SURFACE ELEVATION
May 20, 2008

TRANSWESTERN PIPELINE COMPANY
BELL LAKE PLANT

FIGURE 2

CYPRESS ENGINEERING SERVICES, INC.

P:\...\TW\BELL LAKE\Dr...W Bell Lake Site Drawing.dwg




MW-6

MW-5

MW-9

MW-10

MW-8

COUNTY ROAD 21A

MW-11

MW-12

MW-14

MW-15

RADIO TOWER

MW-13

MW-16

0 200

SCALE: 1" = 200'

LEGEND

- Monitoring Well
- SVE Well
- Estimated Area of PSH (Phase Separated Hydrocarbon)

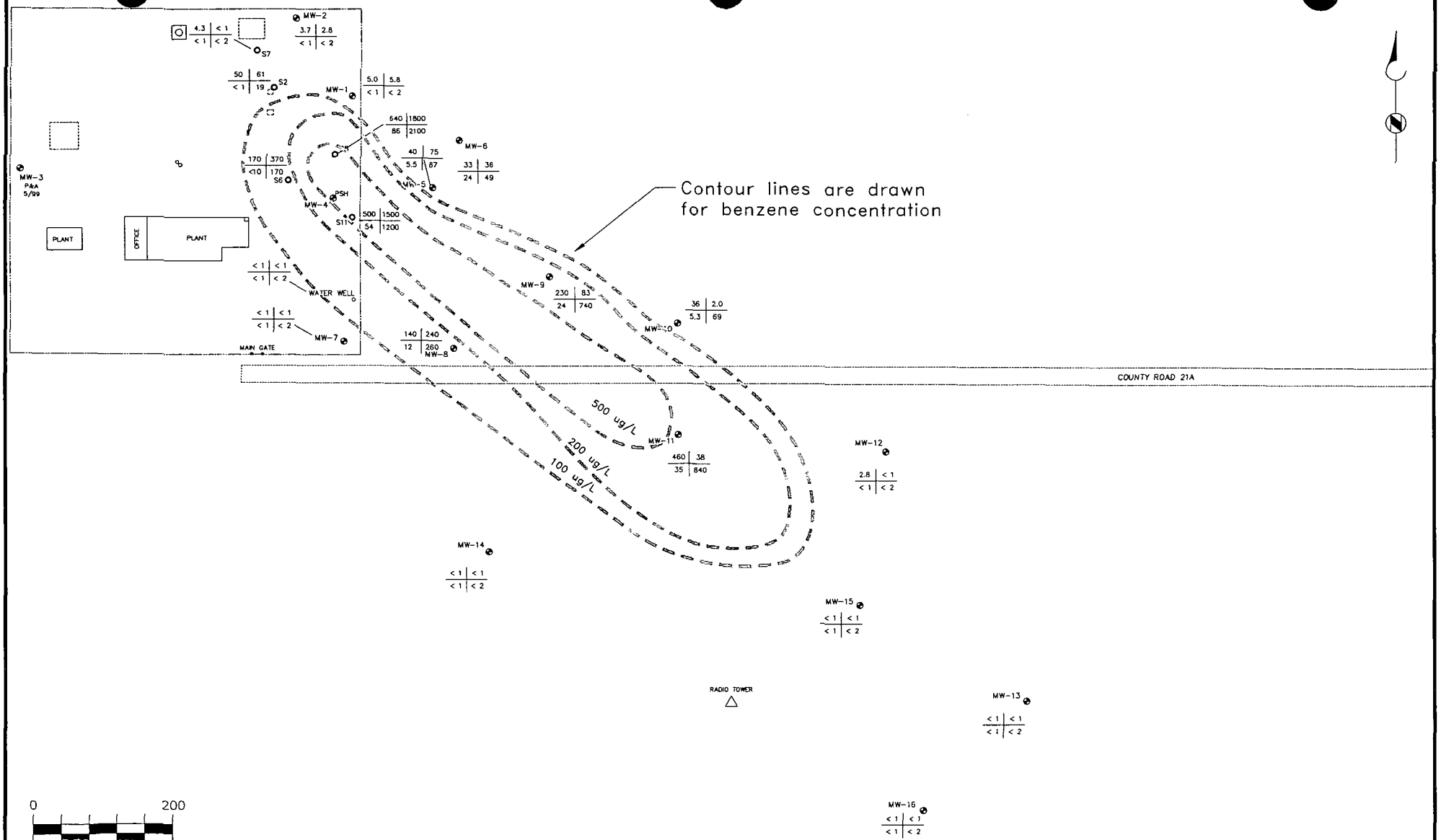
DISTRIBUTION OF PSH ON GROUNDWATER
May 20, 2008

TRANSWESTERN PIPELINE COMPANY
BELL LAKE PLANT

FIGURE 3

CYPRESS ENGINEERING SERVICES, INC.

P:\...\TW\BELL LAKE\Dr... W Bell Lake Site Drawing.dwg




0 200

SCALE: 1" = 200'

LEGEND

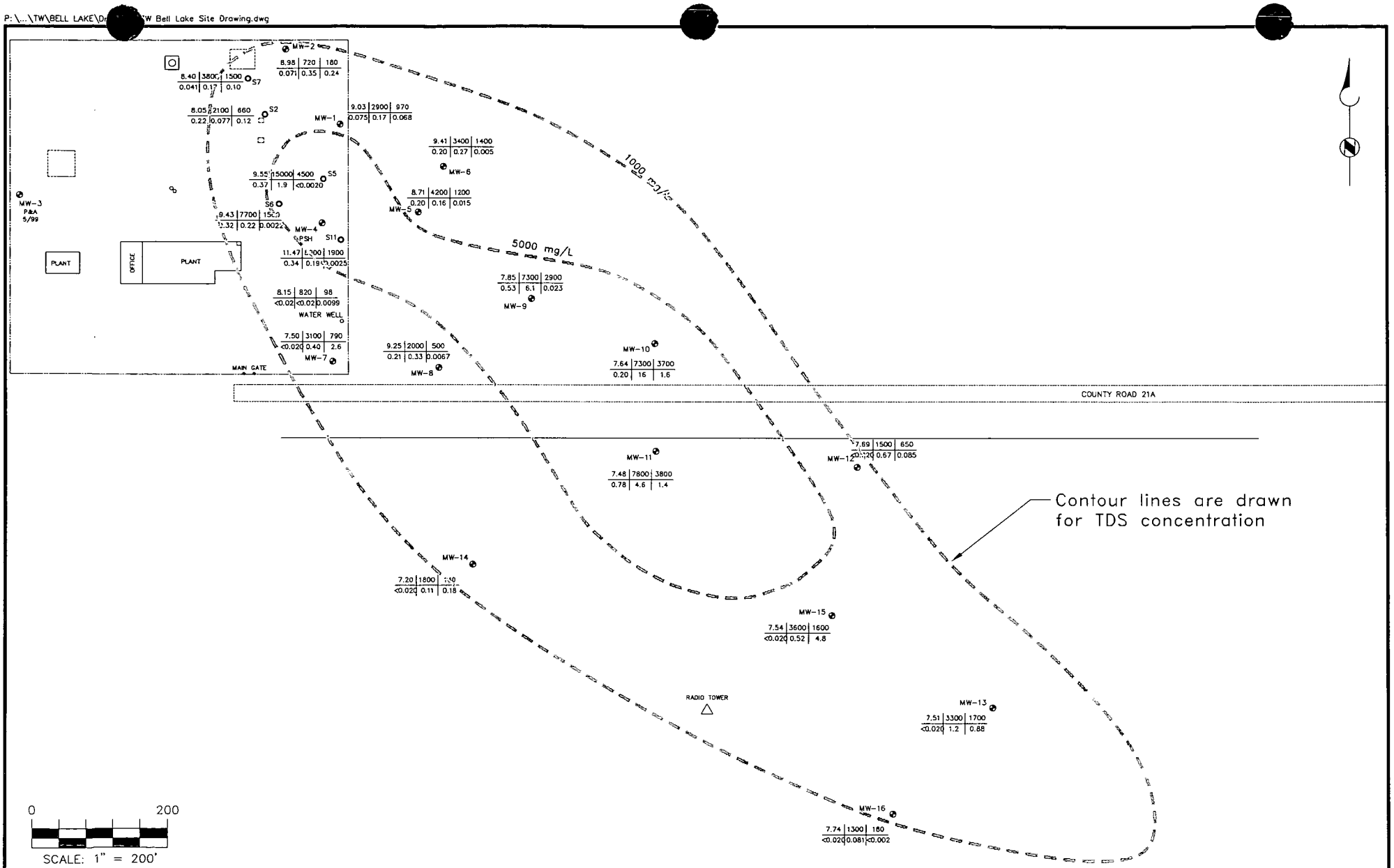
- Monitoring Well
- PSH Phase Separated Hydrocarbon
- B | T / E | X BTEX Concentration (ppb)

DISTRIBUTION OF BTEX COMPOUNDS
IN GROUNDWATER – May 20, 2008

TRANSWESTERN PIPELINE COMPANY
BELL LAKE PLANT

CYPRESS ENGINEERING SERVICES, INC.

FIGURE 4




DISTRIBUTION OF INORGANIC CONSTITUENTS
IN GROUNDWATER – May 20, 2008

TRANSWESTERN PIPELINE COMPANY
BELL LAKE PLANT

FIGURE 5

CYPRESS ENGINEERING SERVICES, INC.

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-1 | 10/24/93 | 3635.37 (c) | (a) | 88.97 | (a) | 3546.40 |
| | 12/08/94 | | (a) | 89.38 | (a) | 3545.99 |
| | 05/31/95 | | (a) | 89.18 | (a) | 3546.19 |
| | 12/12/95 | | (a) | 89.27 | (a) | 3546.10 |
| | 02/20/96 | | (a) | 89.24 | (a) | 3546.13 |
| | 05/15/96 | | (a) | 89.21 | (a) | 3546.16 |
| | 08/14/96 | | (a) | 89.32 | (a) | 3546.05 |
| | 11/12/96 | | (a) | 89.10 | (a) | 3546.27 |
| | 02/07/97 | | (a) | 89.35 | (a) | 3546.02 |
| | 08/08/97 | | (a) | 89.22 | (a) | 3546.15 |
| | 01/09/98 | | (a) | 89.41 | (a) | 3545.96 |
| | 02/24/98* | | (a) | 89.21 | (a) | 3546.16 |
| | 08/03/98* | | (a) | 89.40 | (a) | 3545.97 |
| | 02/10/99* | | (a) | 89.40 | (a) | 3545.97 |
| | 08/10/99* | | (a) | 89.39 | (a) | 3545.98 |
| | 02/14/00* | | (a) | 89.51 | (a) | 3545.86 |
| | 10/17/00* | | (a) | 89.53 | (a) | 3545.84 |
| | 02/15/01* | | (a) | 89.51 | (a) | 3545.86 |
| | 08/08/01 | | (a) | 89.52 | (a) | 3545.85 |
| | 03/15/02* | | (a) | 89.49 | (a) | 3545.88 |
| | 08/05/02* | | (a) | 89.46 | (a) | 3545.91 |
| | 01/14/03* | | (a) | 89.61 | (a) | 3545.76 |
| | 10/13/03* | | (a) | 89.61 | (a) | 3545.76 |
| | 05/26/04* | | (a) | 89.70 | (a) | 3545.67 |
| | 11/10/04* | | (a) | 89.57 | (a) | 3545.80 |
| | 04/13/05* | | (a) | 89.58 | (a) | 3545.79 |
| | 11/29/05* | | (a) | 89.45 | (a) | 3545.92 |
| | 05/08/06* | | (a) | 89.35 | (a) | 3546.02 |
| | 12/11/06* | | (a) | 89.37 | (a) | 3546.00 |
| | 06/18/07* | | (a) | 89.25 | (a) | 3546.12 |
| | 12/05/07* | | (a) | 89.38 | (a) | 3545.99 |
| | 05/20/08* | | (a) | 89.30 | (a) | 3546.07 |

# Table 1. Summary of Groundwater Surface Elevations
## TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-2 | 10/19/93 | 3634.62 (c) | (a) | 88.02 | (a) | 3546.60 |
| | 12/08/94 | | (a) | 88.15 | (a) | 3546.47 |
| | 05/31/95 | | (a) | 88.23 | (a) | 3546.39 |
| | 12/12/95 | | (a) | 88.31 | (a) | 3546.31 |
| | 02/20/96 | | (a) | 88.29 | (a) | 3546.33 |
| | 05/15/96 | | (a) | 88.27 | (a) | 3546.35 |
| | 08/14/96 | | (a) | 88.39 | (a) | 3546.23 |
| | 11/12/96 | | (a) | 88.10 | (a) | 3546.52 |
| | 02/07/97 | | (a) | 88.37 | (a) | 3546.25 |
| | 08/08/97 | | (a) | 88.27 | (a) | 3546.35 |
| | 01/09/98 | 3634.68 (d) | (a) | 88.42 | (a) | 3546.26 |
| | 02/24/98* | | (a) | 88.30 | (a) | 3546.38 |
| | 08/03/98* | | (a) | 88.42 | (a) | 3546.26 |
| | 02/10/99* | | (a) | 88.43 | (a) | 3546.25 |
| | 08/10/99* | | (a) | 88.53 | (a) | 3546.15 |
| | 02/14/00* | 3634.68 (f) | (a) | 88.63 | (a) | 3546.05 |
| | 10/17/00* | | (a) | 88.65 | (a) | 3546.03 |
| | 02/15/01* | | (a) | 88.51 | (a) | 3546.17 |
| | 08/08/01 | | (a) | 88.69 | (a) | 3545.99 |
| | 03/15/02* | | (a) | 88.59 | (a) | 3546.09 |
| | 08/05/02* | | (a) | 88.62 | (a) | 3546.06 |
| | 01/14/03* | | (a) | 88.72 | (a) | 3545.96 |
| | 10/13/03* | | (a) | 88.70 | (a) | 3545.98 |
| | 05/26/04* | | (a) | 88.75 | (a) | 3545.93 |
| | 11/10/04* | | (a) | 88.73 | (a) | 3545.95 |
| | 04/13/05* | | (a) | 88.71 | (a) | 3545.97 |
| | 11/29/05* | | (a) | 88.60 | (a) | 3546.08 |
| | 05/08/06* | | (a) | 88.47 | (a) | 3546.21 |
| | 12/11/06* | | (a) | 88.42 | (a) | 3546.26 |
| | 06/18/07* | | (a) | 88.39 | (a) | 3546.29 |
| | 12/05/07* | | (a) | 88.47 | (a) | 3546.21 |
| | 05/20/08* | | (a) | 88.43 | (a) | 3546.25 |
| MW-3 | 10/20/93 | 3639.64 (c) | (a) | 92.96 | (a) | 3546.68 |
| | 12/08/94 | | (a) | 93.08 | (a) | 3546.56 |
| | 05/31/95 | | (a) | 93.17 | (a) | 3546.47 |
| | 12/12/95 | | (a) | 93.24 | (a) | 3546.40 |
| | 02/20/96 | | (a) | 93.20 | (a) | 3546.44 |
| | 05/15/96 | | (a) | 93.20 | (a) | 3546.44 |
| | 08/14/96 | | (a) | 93.31 | (a) | 3546.33 |
| | 11/12/96 | | (a) | 93.30 | (a) | 3546.34 |
| | 02/07/97 | | (a) | 93.31 | (a) | 3546.33 |
| | 08/08/97 | | (a) | 93.27 | (a) | 3546.37 |
| | 01/09/98 | | (a) | 93.40 | (a) | 3546.24 |
| | 02/24/98* | | (a) | 93.28 | (a) | 3546.36 |
| | 08/03/98* | | (a) | 93.41 | (a) | 3546.23 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-4 | 12/08/94 | 3636.05 (c) | (a) | 89.90 | (a) | 3546.15 |
| | 05/31/95 | | (a) | 89.97 | (a) | 3546.08 |
| | 12/12/95 | | (a) | 90.05 | (a) | 3546.00 |
| | 02/20/96 | | (a) | 90.05 | (a) | 3546.00 |
| | 05/15/96 | | (a) | 89.99 | (a) | 3546.06 |
| | 08/14/96 | | (a) | 90.09 | (a) | 3545.96 |
| | 11/12/96 | | (a) | 90.00 | (a) | 3546.05 |
| | 02/07/97 | | (a) | 90.13 | (a) | 3545.92 |
| | 08/08/97 | | 90.00 | 90.60 | 0.60 | 3545.93 |
| | 11/06/97 | | 90.01 | 90.15 | 0.14 | 3546.01 |
| | 11/12/97 | | 90.02 | 90.25 | 0.23 | 3545.98 |
| | 12/29/97 | 3637.04 (d) | 90.69 | 92.55 | 1.86 | 3545.98 |
| | 11/24/98 | | 90.28 | 94.04 | 3.76 | 3546.01 |
| | 01/28/99 | | 90.50 | 94.03 | 3.53 | 3545.83 |
| | 02/10/99* | | 90.81 | 91.93 | 1.12 | 3546.01 |
| | 02/24/99 | | 90.45 | 93.54 | 3.09 | 3545.97 |
| | 06/02/99 | | 89.90 | 92.65 | 2.75 | 3546.59 |
| | 06/04/99 | | 90.80 | 91.54 | 0.74 | 3546.09 |
| | 06/15/99 | | 90.41 | 92.99 | 2.58 | 3546.11 |
| | 06/24/99 | | 89.61 | 91.88 | 2.27 | 3546.98 |
| | 07/13/99 | | 90.50 | 93.34 | 2.84 | 3545.97 |
| | 08/10/99* | | 90.66 | 93.12 | 2.46 | 3545.89 |
| | 08/24/99 | | 90.61 | 91.70 | 1.09 | 3546.21 |
| | 09/07/99 | | 90.62 | 92.97 | 2.35 | 3545.95 |
| | 09/23/99 | | 90.58 | 93.05 | 2.47 | 3545.97 |
| | 10/12/99 | | 90.66 | 93.21 | 2.55 | 3545.87 |
| | 10/26/99 | | 90.64 | 93.02 | 2.38 | 3545.92 |
| | 11/09/99 | | 90.55 | 92.94 | 2.39 | 3546.01 |
| | 11/24/99 | | 90.69 | 93.45 | 2.76 | 3545.80 |
| | 12/14/99 | | 90.56 | 92.89 | 2.33 | 3546.01 |
| | 12/28/99 | | 89.52 | 92.83 | 3.31 | 3546.86 |
| | 01/13/00 | | 90.01 | 90.78 | 0.77 | 3546.88 |
| | 01/20/00 | | 90.04 | 90.08 | 0.04 | 3546.99 |
| | 02/01/00 | | 89.86 | 91.55 | 1.69 | 3546.84 |
| | 02/14/00* | | 89.94 | 91.76 | 1.82 | 3546.74 |
| | 02/22/00 | | 89.94 | 90.86 | 0.92 | 3546.92 |
| | 03/06/00 | | 89.98 | 90.36 | 0.38 | 3546.98 |
| | 03/27/00 | | 90.19 | 90.48 | 0.29 | 3546.79 |
| | 04/10/00 | | 90.13 | 90.64 | 0.51 | 3546.81 |
| | 04/27/00 | | 90.01 | 90.16 | 0.15 | 3547.00 |
| | 05/08/00 | | 90.03 | 90.23 | 0.20 | 3546.97 |
| | 05/25/00 | | 90.12 | 90.33 | 0.21 | 3546.88 |
| | 06/08/00 | | 90.40 | 90.42 | 0.02 | 3546.64 |
| | 06/26/00 | | 90.17 | 90.23 | 0.06 | 3546.86 |
| | 07/11/00 | | 90.14 | 90.16 | 0.02 | 3546.90 |
| | 07/27/00 | | 90.11 | 90.12 | 0.01 | 3546.93 |
| | 08/07/00 | | 90.05 | 90.06 | 0.01 | 3546.99 |
| | 08/24/00 | | (a) | 90.14 | (a) | 3546.90 |
| | 09/07/00 | | (a) | 90.12 | (a) | 3546.92 |
| | 09/25/00 | | (a) | 89.93 | (a) | 3547.11 |
| | 10/09/00 | | (a) | 89.87 | (a) | 3547.17 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| | 10/17/00* | | 90.12 | 90.15 | 0.03 | 3546.91 |
| | 11/02/00 | | 90.16 | 90.76 | 0.60 | 3546.76 |
| | 11/22/00 | | 90.36 | 90.39 | 0.03 | 3546.67 |
| | 12/11/00 | | 90.05 | 90.25 | 0.20 | 3546.95 |
| | 01/05/01 | | 90.07 | 91.47 | 1.40 | 3546.69 |
| | 01/22/01 | | 90.03 | 90.58 | 0.55 | 3546.90 |
| | 02/09/01 | | 90.76 | 90.97 | 0.21 | 3546.24 |
| | 02/15/01* | | 90.11 | 90.95 | 0.84 | 3546.76 |
| | 03/09/01 | | 89.89 | 89.92 | 0.03 | 3547.14 |
| | 03/29/01 | | 90.10 | 90.39 | 0.29 | 3546.88 |
| | 08/08/01 | | 90.17 | 90.55 | 0.38 | 3546.79 |
| | 02/01/02 | | 90.19 | 90.76 | 0.57 | 3546.74 |
| | 03/15/02* | | 90.15 | 90.89 | 0.74 | 3546.74 |
| | 08/05/02* | | 90.12 | 90.38 | 0.26 | 3546.87 |
| | 01/14/03* | | 90.08 | 91.57 | 1.49 | 3546.66 |
| | 10/13/03* | | 90.16 | 91.71 | 1.55 | 3546.57 |
| | 05/26/04* | | 90.16 | 91.57 | 1.41 | 3546.60 |
| | 11/10/04* | | (a) | 90.26 | (a) | 3546.78 |
| | 04/13/05* | | 90.1 | 90.11 | 0.01 | 3546.94 |
| | 11/29/05* | | 90.04 | 90.05 | 0.01 | 3547.00 |
| | 05/08/06* | | (a) | 91.16 | (a) | 3545.88 |
| | 12/11/06* | | 90.18 | 90.21 | 0.03 | 3546.85 |
| | 06/18/07* | | 89.97 | 90.01 | 0.04 | 3547.06 |
| | 12/05/07* | | 90.12 | 90.16 | 0.04 | 3546.91 |
| | 05/20/08* | | 90.07 | 90.10 | 0.03 | 3546.96 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-5 | 12/08/94 | 3635.31 (c) | (a) | 89.33 | (a) | 3545.98 |
| | 05/31/95 | | (a) | 89.36 | (a) | 3545.95 |
| | 12/12/95 | | (a) | 89.40 | (a) | 3545.91 |
| | 02/20/96 | | (a) | 89.46 | (a) | 3545.85 |
| | 05/15/96 | | (a) | 89.40 | (a) | 3545.91 |
| | 08/14/96 | | (a) | 89.43 | (a) | 3545.88 |
| | 11/12/96 | | (a) | 89.42 | (a) | 3545.89 |
| | 02/07/97 | | (a) | 89.53 | (a) | 3545.78 |
| | 08/08/97 | | (a) | 89.41 | (a) | 3545.90 |
| | 01/09/98 | | (a) | 89.57 | (a) | 3545.74 |
| | 02/24/98* | | (a) | 89.38 | (a) | 3545.93 |
| | 08/03/98* | | (a) | 89.59 | (a) | 3545.72 |
| | 02/10/99* | | (a) | 89.65 | (a) | 3545.66 |
| | 08/10/99* | | (a) | 89.64 | (a) | 3545.67 |
| | 02/14/00* | | (a) | 89.69 | (a) | 3545.62 |
| | 10/17/00* | | (a) | 89.75 | (a) | 3545.56 |
| | 02/15/01* | | (a) | 89.71 | (a) | 3545.60 |
| | 08/08/01 | | (a) | 89.72 | (a) | 3545.59 |
| | 03/15/02* | | (a) | 89.69 | (a) | 3545.62 |
| | 08/05/02* | | (a) | 89.67 | (a) | 3545.64 |
| | 01/14/03* | | (a) | 89.75 | (a) | 3545.56 |
| | 10/13/03* | | (a) | 89.77 | (a) | 3545.54 |
| | 05/26/04* | | (a) | 89.81 | (a) | 3545.50 |
| | 11/10/04* | | (a) | 89.81 | (a) | 3545.50 |
| | 04/13/05* | | (a) | 89.77 | (a) | 3545.54 |
| | 11/29/05* | | (a) | 89.66 | (a) | 3545.65 |
| | 05/08/06* | | (a) | 89.58 | (a) | 3545.73 |
| | 12/11/06* | | (a) | 89.57 | (a) | 3545.74 |
| | 06/18/07* | | (a) | 89.53 | (a) | 3545.78 |
| | 12/05/07* | | (a) | 89.57 | (a) | 3545.74 |
| | 05/20/08* | | (a) | 89.55 | (a) | 3545.76 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-6 | 12/08/94 | 3634.66 (c) | (a) | 88.65 | (a) | 3546.01 |
| | 05/31/95 | | (a) | 88.70 | (a) | 3545.96 |
| | 12/12/95 | | (a) | 88.72 | (a) | 3545.94 |
| | 02/20/96 | | (a) | 88.81 | (a) | 3545.85 |
| | 05/15/96 | | (a) | 88.75 | (a) | 3545.91 |
| | 08/14/96 | | (a) | 88.82 | (a) | 3545.84 |
| | 11/12/96 | | (a) | 88.81 | (a) | 3545.85 |
| | 02/07/97 | | (a) | 88.88 | (a) | 3545.78 |
| | 08/08/97 | | (a) | 88.80 | (a) | 3545.86 |
| | 01/09/98 | | (a) | 88.92 | (a) | 3545.74 |
| | 02/24/98* | | (a) | 88.75 | (a) | 3545.91 |
| | 08/03/98* | | (a) | 88.93 | (a) | 3545.73 |
| | 02/10/99* | | (a) | 89.00 | (a) | 3545.66 |
| | 08/10/99* | | (a) | 89.02 | (a) | 3545.64 |
| | 02/14/00* | | (a) | 89.06 | (a) | 3545.60 |
| | 10/17/00* | | (a) | 89.12 | (a) | 3545.54 |
| | 02/15/01* | | (a) | 89.08 | (a) | 3545.58 |
| | 08/08/01 | | (a) | 89.10 | (a) | 3545.56 |
| | 03/15/02* | | (a) | 89.05 | (a) | 3545.61 |
| | 08/05/02* | | (a) | 89.05 | (a) | 3545.61 |
| | 01/14/03* | | (a) | 89.11 | (a) | 3545.55 |
| | 10/13/03* | | (a) | 89.13 | (a) | 3545.53 |
| | 05/26/04* | | (a) | 89.15 | (a) | 3545.51 |
| | 11/10/04* | | (a) | 89.20 | (a) | 3545.46 |
| | 04/13/05* | | (a) | 89.16 | (a) | 3545.50 |
| | 11/29/05* | | (a) | 89.05 | (a) | 3545.61 |
| | 05/08/06* | | (a) | 88.95 | (a) | 3545.71 |
| | 12/11/06* | | (a) | 88.94 | (a) | 3545.72 |
| | 06/18/07* | | (a) | 88.89 | (a) | 3545.77 |
| | 12/05/07* | | (a) | 88.97 | (a) | 3545.69 |
| | 05/20/08* | | (a) | 88.92 | (a) | 3545.74 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-7 | 12/12/95 | 3635.89 (c) | (a) | 90.18 | (a) | 3545.71 |
| | 02/20/96 | | (a) | 90.15 | (a) | 3545.74 |
| | 05/15/96 | | (a) | 90.11 | (a) | 3545.78 |
| | 08/14/96 | | (a) | 90.21 | (a) | 3545.68 |
| | 11/12/96 | | (a) | 90.20 | (a) | 3545.69 |
| | 02/07/97 | | (a) | 90.22 | (a) | 3545.67 |
| | 08/08/97 | | (a) | 90.19 | (a) | 3545.70 |
| | 01/09/98 | | (a) | 90.28 | (a) | 3545.61 |
| | 02/24/98* | | (a) | 90.18 | (a) | 3545.71 |
| | 08/03/98* | | (a) | 90.29 | (a) | 3545.60 |
| | 08/10/99* | --- | (a) | 90.40 | (a) | --- |
| | 02/14/00* | 3636.00 (f) | (a) | 90.45 | (a) | 3545.55 |
| | 10/17/00* | | (a) | 90.48 | (a) | 3545.52 |
| | 02/15/01* | | (a) | 90.47 | (a) | 3545.53 |
| | 08/08/01 | | (a) | 90.51 | (a) | 3545.49 |
| | 03/15/02* | | (a) | 90.43 | (a) | 3545.57 |
| | 08/05/02* | | (a) | 90.43 | (a) | 3545.57 |
| | 01/14/03* | | (a) | 90.52 | (a) | 3545.48 |
| | 10/13/03* | | (a) | 90.51 | (a) | 3545.49 |
| | 05/26/04* | | (a) | 90.57 | (a) | 3545.43 |
| | 11/10/04* | | (a) | 90.57 | (a) | 3545.43 |
| | 04/13/05* | | (a) | 90.53 | (a) | 3545.47 |
| | 11/29/05* | | (a) | 90.44 | (a) | 3545.56 |
| | 05/08/06* | | (a) | 90.35 | (a) | 3545.65 |
| | 12/11/06* | | (a) | 90.35 | (a) | 3545.65 |
| | 06/18/07* | | (a) | 90.30 | (a) | 3545.70 |
| | 12/05/07* | | (a) | 90.36 | (a) | 3545.64 |
| | 05/20/08* | | (a) | 90.31 | (a) | 3545.69 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-8 | 12/12/95 | 3635.28 (c) | (a) | 89.82 | (a) | 3545.46 |
| | 02/20/96 | | (a) | 89.82 | (a) | 3545.46 |
| | 05/15/96 | | (a) | 89.78 | (a) | 3545.50 |
| | 08/14/96 | | (a) | 89.86 | (a) | 3545.42 |
| | 11/12/96 | | (a) | 89.86 | (a) | 3545.42 |
| | 02/07/97 | | (a) | 89.89 | (a) | 3545.39 |
| | 08/08/97 | | (a) | 89.85 | (a) | 3545.43 |
| | 01/09/98 | 3635.30 (d) | (a) | 89.95 | (a) | 3545.35 |
| | 02/24/98* | | (a) | 89.87 | (a) | 3545.43 |
| | 08/03/98* | | (a) | 89.95 | (a) | 3545.35 |
| | 02/10/99* | | (a) | 89.97 | (a) | 3545.33 |
| | 08/10/99* | | (a) | 90.00 | (a) | 3545.30 |
| | 02/14/00* | | (a) | 90.04 | (a) | 3545.26 |
| | 10/17/00* | | (a) | 90.08 | (a) | 3545.22 |
| | 02/15/01* | | (a) | 90.05 | (a) | 3545.25 |
| | 08/08/01 | | (a) | 90.09 | (a) | 3545.21 |
| | 03/15/02* | | (a) | 90.05 | (a) | 3545.25 |
| | 08/05/02* | | (a) | 90.05 | (a) | 3545.25 |
| | 01/14/03* | | (a) | 90.10 | (a) | 3545.20 |
| | 10/13/03* | | (a) | 90.10 | (a) | 3545.20 |
| | 05/26/04* | | (a) | 90.14 | (a) | 3545.16 |
| | 11/10/04* | | (a) | 90.20 | (a) | 3545.10 |
| | 04/13/05* | | (a) | 90.14 | (a) | 3545.16 |
| | 11/29/05* | | (a) | 90.07 | (a) | 3545.23 |
| | 05/08/06* | | (a) | 89.99 | (a) | 3545.31 |
| | 12/11/06* | | (a) | 89.96 | (a) | 3545.34 |
| | 06/18/07* | | (a) | 89.92 | (a) | 3545.38 |
| | 12/05/07* | | (a) | 89.98 | (a) | 3545.32 |
| | 05/20/08* | | (a) | 89.93 | (a) | 3545.37 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-9 | 12/12/95 | 3633.58 (c) | (a) | 88.21 | (a) | 3545.37 |
| | 02/20/96 | | (a) | 88.23 | (a) | 3545.35 |
| | 05/15/96 | | (a) | 88.18 | (a) | 3545.40 |
| | 08/14/96 | | (a) | 88.22 | (a) | 3545.36 |
| | 11/12/96 | | (a) | 88.27 | (a) | 3545.31 |
| | 02/07/97 | | (a) | 88.29 | (a) | 3545.29 |
| | 08/08/97 | | (a) | 88.25 | (a) | 3545.33 |
| | 01/09/98 | | (a) | 88.35 | (a) | 3545.23 |
| | 02/24/98* | | (a) | 88.24 | (a) | 3545.34 |
| | 08/03/98* | | (a) | 88.33 | (a) | 3545.25 |
| | 02/10/99* | | (a) | 88.37 | (a) | 3545.21 |
| | 08/10/99* | | (a) | 88.40 | (a) | 3545.18 |
| | 02/14/00* | | (a) | 88.44 | (a) | 3545.14 |
| | 10/17/00* | | (a) | 88.46 | (a) | 3545.12 |
| | 02/15/01* | | (a) | 88.45 | (a) | 3545.13 |
| | 08/08/01 | | (a) | 88.48 | (a) | 3545.10 |
| | 03/15/02* | | (a) | 88.46 | (a) | 3545.12 |
| | 08/05/02* | | (a) | 88.46 | (a) | 3545.12 |
| | 01/14/03* | | (a) | 88.48 | (a) | 3545.10 |
| | 10/13/03* | | (a) | 88.49 | (a) | 3545.09 |
| | 05/26/04* | | (a) | 88.55 | (a) | 3545.03 |
| | 11/10/04* | | (a) | 88.59 | (a) | 3544.99 |
| | 04/13/05* | | (a) | 88.54 | (a) | 3545.04 |
| | 11/29/05* | | (a) | 88.45 | (a) | 3545.13 |
| | 05/08/06* | | (a) | 88.37 | (a) | 3545.21 |
| | 12/11/06* | | (a) | 88.35 | (a) | 3545.23 |
| | 06/18/07* | | (a) | 88.31 | (a) | 3545.27 |
| | 12/05/07* | | (a) | 88.39 | (a) | 3545.19 |
| | 05/20/08* | | (a) | 88.33 | (a) | 3545.25 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-10 | 01/09/98 | 3633.25 (d) | (a) | 88.42 | (a) | 3544.83 |
| | 02/24/98* | | (a) | 88.33 | (a) | 3544.92 |
| | 08/03/98* | | (a) | 88.41 | (a) | 3544.84 |
| | 02/10/99* | | (a) | 88.43 | (a) | 3544.82 |
| | 08/10/99* | | (a) | 88.44 | (a) | 3544.81 |
| | 02/14/00* | 3633.24 (f) | (a) | 88.50 | (a) | 3544.74 |
| | 10/17/00* | | (a) | 88.54 | (a) | 3544.70 |
| | 02/14/01* | | (a) | 88.51 | (a) | 3544.73 |
| | 08/08/01 | | (a) | 88.54 | (a) | 3544.70 |
| | 03/15/02* | | (a) | 88.51 | (a) | 3544.73 |
| | 08/05/02* | | (a) | 88.54 | (a) | 3544.70 |
| | 01/14/03* | | (a) | 88.54 | (a) | 3544.70 |
| | 10/13/03* | | (a) | 88.56 | (a) | 3544.68 |
| | 05/26/04* | | (a) | 88.60 | (a) | 3544.64 |
| | 11/10/04* | | (a) | 88.63 | (a) | 3544.61 |
| | 04/13/05* | | (a) | 88.58 | (a) | 3544.66 |
| | 11/29/05* | | (a) | 88.50 | (a) | 3544.74 |
| | 05/08/06* | | (a) | 88.44 | (a) | 3544.80 |
| | 12/11/06* | | (a) | 88.44 | (a) | 3544.80 |
| | 06/18/07* | | (a) | 88.39 | (a) | 3544.85 |
| | 12/05/07* | | (a) | 88.47 | (a) | 3544.77 |
| | 05/20/08* | | (a) | 88.41 | (a) | 3544.83 |
| MW-11 | 01/09/98 | 3631.57 (d) | (a) | 86.99 | (a) | 3544.58 |
| | 02/24/98* | | (a) | 86.94 | (a) | 3544.63 |
| | 08/03/98* | | (a) | 86.98 | (a) | 3544.59 |
| | 02/10/99* | | (a) | 86.99 | (a) | 3544.58 |
| | 08/10/99* | | (a) | 86.99 | (a) | 3544.58 |
| | 02/14/00* | 3631.56 (f) | (a) | 87.04 | (a) | 3544.52 |
| | 10/17/00* | | (a) | 87.07 | (a) | 3544.49 |
| | 02/15/01* | | (a) | 87.06 | (a) | 3544.50 |
| | 08/08/01 | | (a) | 87.10 | (a) | 3544.46 |
| | 03/15/02* | | (a) | 87.07 | (a) | 3544.49 |
| | 08/05/02* | | (a) | 87.09 | (a) | 3544.47 |
| | 01/14/03* | | (a) | 87.09 | (a) | 3544.47 |
| | 10/13/03* | | (a) | 87.11 | (a) | 3544.45 |
| | 05/26/04* | | (a) | 87.15 | (a) | 3544.41 |
| | 11/10/04* | | (a) | 87.21 | (a) | 3544.35 |
| | 04/13/05* | | (a) | 87.13 | (a) | 3544.43 |
| | 11/29/05* | | (a) | 87.07 | (a) | 3544.49 |
| | 05/08/06* | | (a) | 87.03 | (a) | 3544.53 |
| | 12/11/06* | | (a) | 87.03 | (a) | 3544.53 |
| | 06/18/07* | | (a) | 86.97 | (a) | 3544.59 |
| | 12/05/07* | | (a) | 87.02 | (a) | 3544.54 |
| | 05/20/08* | | (a) | 86.98 | (a) | 3544.58 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-12 | 01/09/98 | 3630.61 (d) | (a) | 86.39 | (a) | 3544.22 |
| | 02/24/98* | | (a) | 86.29 | (a) | 3544.32 |
| | 08/03/98* | | (a) | 86.37 | (a) | 3544.24 |
| | 02/10/99* | | (a) | 86.39 | (a) | 3544.22 |
| | 08/10/99* | | (a) | 86.39 | (a) | 3544.22 |
| | 02/14/00* | 3630.61 (f) | (a) | 86.46 | (a) | 3544.15 |
| | 10/17/00* | | (a) | 86.49 | (a) | 3544.12 |
| | 02/15/01* | | (a) | 86.47 | (a) | 3544.14 |
| | 08/08/01 | | (a) | 86.49 | (a) | 3544.12 |
| | 03/15/02* | | (a) | 86.45 | (a) | 3544.16 |
| | 08/05/02* | | (a) | 86.50 | (a) | 3544.11 |
| | 01/14/03* | | (a) | 86.49 | (a) | 3544.12 |
| | 10/13/03* | | (a) | 86.49 | (a) | 3544.12 |
| | 05/26/04* | | (a) | 86.52 | (a) | 3544.09 |
| | 11/10/04* | | (a) | 86.56 | (a) | 3544.05 |
| | 04/13/05* | | (a) | 86.49 | (a) | 3544.12 |
| | 11/29/05* | | (a) | 86.42 | (a) | 3544.19 |
| | 05/08/06* | | (a) | 86.41 | (a) | 3544.20 |
| | 12/11/06* | | (a) | 86.42 | (a) | 3544.19 |
| | 06/18/07* | | (a) | 86.38 | (a) | 3544.23 |
| | 12/05/07* | | (a) | 86.45 | (a) | 3544.16 |
| | 05/20/08* | | (a) | 86.37 | (a) | 3544.24 |
| MW-13 | 02/14/00* | 3626.97 (f) | (a) | 83.28 | (a) | 3543.69 |
| | 10/17/00* | | (a) | 83.30 | (a) | 3543.67 |
| | 02/15/01* | | (a) | 83.29 | (a) | 3543.68 |
| | 08/08/01 | | (a) | 83.31 | (a) | 3543.66 |
| | 03/15/02* | | (a) | 83.27 | (a) | 3543.70 |
| | 08/05/02* | | (a) | 83.31 | (a) | 3543.66 |
| | 01/14/03* | | (a) | 83.32 | (a) | 3543.65 |
| | 10/13/03* | | (a) | 83.30 | (a) | 3543.67 |
| | 05/26/04* | | (a) | 83.34 | (a) | 3543.63 |
| | 11/10/04* | | (a) | 83.36 | (a) | 3543.61 |
| | 04/13/05* | | (a) | 83.33 | (a) | 3543.64 |
| | 11/29/05* | | (a) | 83.27 | (a) | 3543.70 |
| | 05/08/06* | | (a) | 83.24 | (a) | 3543.73 |
| | 12/11/06* | | (a) | 83.25 | (a) | 3543.72 |
| | 06/18/07* | | (a) | 83.23 | (a) | 3543.74 |
| | 12/05/07* | | (a) | 83.28 | (a) | 3543.69 |
| | 05/20/08* | | (a) | 83.21 | (a) | 3543.76 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| MW-14 | 01/14/03* | 3631.43 (g) | (a) | 86.33 | (a) | 3545.10 |
| | 10/13/03* | | (a) | 86.34 | (a) | 3545.09 |
| | 05/26/04* | | (a) | 86.38 | (a) | 3545.05 |
| | 11/10/04* | | (a) | 86.45 | (a) | 3544.98 |
| | 04/13/05* | | (a) | 86.36 | (a) | 3545.07 |
| | 11/29/05* | | (a) | 86.28 | (a) | 3545.15 |
| | 05/08/06* | | (a) | 86.24 | (a) | 3545.19 |
| | 12/11/06* | | (a) | 86.24 | (a) | 3545.19 |
| | 06/18/07* | | (a) | 86.19 | (a) | 3545.24 |
| | 12/05/07* | | (a) | 86.27 | (a) | 3545.16 |
| | 05/20/08* | | (a) | 86.20 | (a) | 3545.23 |
| MW-15 | 01/14/03* | 3629.00 (g) | (a) | 84.74 | (a) | 3544.26 |
| | 10/13/03* | | (a) | 84.73 | (a) | 3544.27 |
| | 05/26/04* | | (a) | 84.75 | (a) | 3544.25 |
| | 11/10/04* | | (a) | 84.80 | (a) | 3544.20 |
| | 04/13/05* | | (a) | 84.76 | (a) | 3544.24 |
| | 11/29/05* | | (a) | 84.70 | (a) | 3544.30 |
| | 05/08/06* | | (a) | 84.66 | (a) | 3544.34 |
| | 12/11/06* | | (a) | 84.66 | (a) | 3544.34 |
| | 06/18/07* | | (a) | 84.63 | (a) | 3544.37 |
| | 12/05/07* | | (a) | 84.69 | (a) | 3544.31 |
| | 05/20/08* | | (a) | 84.61 | (a) | 3544.39 |
| MW-16 | 01/14/03* | 3625.87 (g) | (a) | 81.88 | (a) | 3543.99 |
| | 10/13/03* | | (a) | 81.87 | (a) | 3544.00 |
| | 05/26/04* | | (a) | 81.89 | (a) | 3543.98 |
| | 11/10/04* | | (a) | 81.93 | (a) | 3543.94 |
| | 04/13/05* | | (a) | 81.88 | (a) | 3543.99 |
| | 11/29/05* | | (a) | 81.85 | (a) | 3544.02 |
| | 05/08/06* | | (a) | 81.80 | (a) | 3544.07 |
| | 12/11/06* | | (a) | 81.81 | (a) | 3544.06 |
| | 06/18/07* | | (a) | 81.80 | (a) | 3544.07 |
| | 12/05/07* | | (a) | 81.85 | (a) | 3544.02 |
| | 05/20/08* | | (a) | 81.78 | (a) | 3544.09 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| SVE-1 | 12/01/95 | 3637.06 (c) | 90.68 | 92.12 | 1.44 | 3546.09 |
| | 02/20/96 | | 90.52 | 92.12 | 1.60 | 3546.22 |
| | 05/01/96 | | 90.51 | 92.20 | 1.69 | 3546.21 |
| | 01/17/97 | 3638.21 (d) | 91.63 | 93.34 | 1.71 | 3546.24 |
| | 11/06/97 | | 91.45 | 93.59 | 2.14 | 3546.33 |
| | 12/29/97 | | 91.50 | 93.45 | 1.95 | 3546.32 |
| | 11/24/98 | | 91.12 | 94.65 | 3.53 | 3546.38 |
| | 01/28/99 | | 91.80 | 93.10 | 1.30 | 3546.15 |
| | 06/02/99 | | 91.79 | 92.49 | 0.70 | 3546.28 |
| | 06/04/99 | | 91.70 | 92.32 | 0.62 | 3546.39 |
| | 06/15/99 | | 91.84 | 92.58 | 0.74 | 3546.22 |
| | 06/24/99 | | 91.84 | 92.59 | 0.75 | 3546.22 |
| | 07/13/99 | | (a) | 91.95 | (a) | 3546.26 |
| | 07/27/99 | | (a) | 91.86 | (a) | 3546.35 |
| | 08/10/99* | | 91.97 | 92.35 | 0.38 | 3546.16 |
| | 08/24/99 | | (a) | 91.84 | (a) | 3546.37 |
| | 09/07/99 | | (a) | 92.16 | (a) | 3546.05 |
| | 09/23/99 | | (a) | 92.21 | (a) | 3546.00 |
| | 10/12/99 | | (a) | 92.09 | (a) | 3546.12 |
| | 10/26/99 | | (a) | 91.84 | (a) | 3546.37 |
| | 11/09/99 | | (a) | 91.82 | (a) | 3546.39 |
| | 11/24/99 | | 92.17 | 92.21 | 0.04 | 3546.03 |
| | 12/14/99 | | (a) | 91.79 | (a) | 3546.42 |
| | 12/28/99 | | (a) | 91.93 | (a) | 3546.28 |
| | 01/13/00 | | (a) | 92.05 | (a) | 3546.16 |
| | 01/20/00 | | (a) | 92.21 | (a) | 3546.00 |
| | 02/01/00 | | (a) | 92.11 | (a) | 3546.10 |
| | 02/14/00* | 3638.22 (f) | 92.19 | 92.32 | 0.13 | 3546.00 |
| | 02/22/00 | | (a) | 92.38 | (a) | 3545.84 |
| | 03/06/00 | | (a) | 92.01 | (a) | 3546.21 |
| | 03/27/00 | | (a) | 92.06 | (a) | 3546.16 |
| | 04/10/00 | | (a) | 92.16 | (a) | 3546.06 |
| | 04/27/00 | | (a) | 92.09 | (a) | 3546.13 |
| | 05/08/00 | | (a) | 92.05 | (a) | 3546.17 |
| | 05/25/00 | | (a) | 92.09 | (a) | 3546.13 |
| | 06/08/00 | | (a) | 92.07 | (a) | 3546.15 |
| | 06/26/00 | | (a) | 92.06 | (a) | 3546.16 |
| | 07/11/00 | | (a) | 92.11 | (a) | 3546.11 |
| | 07/27/00 | | (a) | 92.02 | (a) | 3546.20 |
| | 08/07/00 | | (a) | 91.98 | (a) | 3546.24 |
| | 08/24/00 | | (a) | 92.10 | (a) | 3546.12 |
| | 09/07/00 | | (a) | 92.16 | (a) | 3546.06 |
| | 09/25/00 | | (a) | 92.15 | (a) | 3546.07 |
| | 10/09/00 | | (a) | 92.06 | (a) | 3546.16 |
| | 10/17/00* | | (a) | 91.95 | (a) | 3546.27 |
| | 11/02/00 | | (a) | 92.39 | (a) | 3545.83 |
| | 11/22/00 | | (a) | 92.28 | (a) | 3545.94 |
| | 12/11/00 | | (a) | 92.04 | (a) | 3546.18 |
| | 01/05/01 | | (a) | 92.37 | (a) | 3545.85 |
| | 01/22/01 | | 92.26 | 92.27 | 0.01 | 3545.96 |
| | 02/09/01 | | (a) | 92.06 | (a) | 3546.16 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| | 02/15/01* | | (a) | 92.20 | sheen | 3546.02 |
| | 03/09/01 | | (a) | 92.06 | (a) | 3546.16 |
| | 03/29/01 | | (a) | 91.95 | sheen | 3546.27 |
| | 08/08/01 | | (a) | 92.22 | (a) | 3546.00 |
| | 02/01/02 | | (a) | 92.03 | (a) | 3546.19 |
| | 02/11/02 | | (a) | 92.25 | (a) | 3545.97 |
| | 03/15/02* | | (a) | 92.23 | (a) | 3545.99 |
| | 08/05/02* | | (a) | 92.11 | (a) | 3546.11 |
| | 01/14/03* | | 92.30 | 92.31 | 0.01 | 3545.92 |
| | 10/13/03* | | 92.33 | 92.37 | 0.04 | 3545.88 |
| | 05/26/04* | | 92.35 | 92.42 | 0.07 | 3545.86 |
| | 11/10/04* | | (a) | 92.30 | (a) | 3545.92 |
| | 04/13/05* | | (a) | 92.36 | (a) | 3545.86 |
| | 11/29/05* | | (a) | 92.02 | (a) | 3546.20 |
| | 05/08/06* | | (a) | 92.09 | (a) | 3546.13 |
| | 12/11/06* | | (a) | 92.10 | (a) | 3546.12 |
| | 06/18/07* | | (a) | 91.84 | (a) | 3546.38 |
| | 12/05/07* | | (a) | 92.06 | (a) | 3546.16 |
| | 05/20/08* | | (a) | 91.99 | (a) | 3546.23 |
| SVE-2 | 12/01/95 | 3636.49 (c) | (a) | 90.18 | (a) | 3546.31 |
| | 02/20/96 | | (a) | 90.22 | (a) | 3546.27 |
| | 05/01/96 | | (a) | 90.21 | (a) | 3546.28 |
| | 01/17/97 | 3637.53 (c) | (a) | 91.20 | (a) | 3546.33 |
| | 11/06/97 | | (a) | 91.10 | (a) | 3546.43 |
| | 12/29/97 | | (a) | 91.13 | (a) | 3546.40 |
| | 08/04/98* | | (a) | 91.32 | (a) | 3546.21 |
| | 11/24/98 | | (a) | 91.30 | (a) | 3546.23 |
| | 02/10/99* | | (a) | 91.21 | (a) | 3546.32 |
| | 06/02/99 | | (a) | 91.34 | (a) | 3546.19 |
| | 08/10/99* | | (a) | 91.36 | (a) | 3546.17 |
| | 02/14/00* | 3637.53 (f) | (a) | 91.48 | (a) | 3546.05 |
| | 10/17/00 | | (a) | 91.41 | (a) | 3546.12 |
| | 02/15/01* | | (a) | 91.47 | (a) | 3546.06 |
| | 08/08/01 | | (a) | 91.46 | (a) | 3546.07 |
| | 02/01/02 | | (a) | 91.51 | (a) | 3546.02 |
| | 02/11/02 | | (a) | 91.51 | (a) | 3546.02 |
| | 03/15/02* | | (a) | 91.50 | (a) | 3546.03 |
| | 08/05/02* | | (a) | 91.42 | (a) | 3546.11 |
| | 01/14/03* | | (a) | 91.57 | (a) | 3545.96 |
| | 10/13/03* | | (a) | 91.61 | (a) | 3545.92 |
| | 05/26/04* | | (a) | 91.66 | (a) | 3545.87 |
| | 11/10/04* | | (a) | 91.58 | (a) | 3545.95 |
| | 04/13/05* | | (a) | 91.65 | (a) | 3545.88 |
| | 11/29/05* | | (a) | 91.37 | (a) | 3546.16 |
| | 05/08/06* | | (a) | 91.35 | (a) | 3546.18 |
| | 12/11/06* | | (a) | 91.35 | (a) | 3546.18 |
| | 06/18/07* | | (a) | 91.19 | (a) | 3546.34 |
| | 12/05/07* | | (a) | 91.37 | (a) | 3546.16 |
| | 05/20/08* | | (a) | 90.20 | (a) | 3547.33 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| SVE-3 | 12/01/95 | 3636.44 (c) | 90.00 | 90.30 | 0.30 | 3546.38 |
| | 02/20/96 | | 89.52 | 92.37 | 2.85 | 3546.35 |
| | 05/01/96 | | 89.38 | 92.92 | 3.54 | 3546.35 |
| | 01/17/97 | 3637.62 (d) | 90.65 | 93.60 | 2.95 | 3546.38 |
| | 11/06/97 | | 90.65 | 93.00 | 2.35 | 3546.50 |
| | 12/29/97 | | 90.50 | 93.70 | 3.20 | 3546.48 |
| | 01/16/99 | | (a) | 90.83 | (a) | 3546.79 |
| | 01/28/99 | | (a) | 91.06 | (a) | 3546.56 |
| | 02/08/99 | | (a) | 91.10 | (a) | 3546.52 |
| | 02/10/99* | | (a) | 91.04 | (a) | 3546.58 |
| | 06/02/99 | | (a) | 90.95 | (a) | 3546.67 |
| | 06/05/99 | | (a) | 91.20 | (a) | 3546.42 |
| | 06/15/99 | | 91.40 | 91.45 | 0.05 | 3546.21 |
| | 06/24/99 | | 91.46 | 91.48 | 0.02 | 3546.16 |
| | 07/13/99 | | 91.49 | 91.54 | 0.05 | 3546.12 |
| | 07/27/99 | | 91.52 | 91.57 | 0.05 | 3546.09 |
| | 08/10/99* | | 91.38 | 91.50 | 0.12 | 3546.22 |
| | 08/24/99 | | 91.43 | 91.57 | 0.14 | 3546.16 |
| | 09/07/99 | | 91.54 | 91.61 | 0.07 | 3546.07 |
| | 09/23/99 | | 91.50 | 91.58 | 0.08 | 3546.10 |
| | 10/12/99 | | 91.48 | 91.64 | 0.16 | 3546.11 |
| | 10/26/99 | | 91.47 | 91.60 | 0.13 | 3546.12 |
| | 11/09/99 | | 91.42 | 91.55 | 0.13 | 3546.17 |
| | 11/24/99 | | 91.45 | 91.59 | 0.14 | 3546.14 |
| | 12/14/99 | | 91.44 | 91.60 | 0.16 | 3546.15 |
| | 12/28/99 | | 91.38 | 91.54 | 0.16 | 3546.21 |
| | 01/13/00 | | 91.50 | 91.59 | 0.09 | 3546.10 |
| | 01/20/00 | | 91.45 | 91.58 | 0.13 | 3546.14 |
| | 02/01/00 | | 91.46 | 91.56 | 0.10 | 3546.14 |
| | 02/14/00* | 3637.62 (f) | 91.46 | 91.55 | 0.09 | 3546.14 |
| | 02/22/00 | | 91.45 | 91.52 | 0.07 | 3546.16 |
| | 03/06/00 | | 91.45 | 91.48 | 0.03 | 3546.16 |
| | 03/27/00 | | 91.46 | 91.51 | 0.05 | 3546.15 |
| | 04/10/00 | | 91.46 | 91.49 | 0.03 | 3546.15 |
| | 04/27/00 | | 91.52 | 91.53 | 0.01 | 3546.10 |
| | 05/08/00 | | 91.47 | 91.48 | 0.01 | 3546.15 |
| | 05/25/00 | | 91.49 | 91.50 | 0.01 | 3546.13 |
| | 06/08/00 | | 91.49 | 91.50 | 0.01 | 3546.13 |
| | 06/26/00 | | (a) | 91.54 | (a) | 3546.08 |
| | 07/11/00 | | 91.52 | 91.53 | 0.01 | 3546.10 |
| | 07/27/00 | | 91.53 | 91.54 | 0.01 | 3546.09 |
| | 08/07/00 | | (a) | 91.51 | (a) | 3546.11 |
| | 08/24/00 | | (a) | 91.51 | (a) | 3546.11 |
| | 09/07/00 | | (a) | 91.52 | (a) | 3546.10 |
| | 09/25/00 | | (a) | 91.51 | (a) | 3546.11 |
| | 10/09/00 | | (a) | 91.50 | (a) | 3546.12 |
| | 10/17/00* | | (a) | 91.50 | (a) | 3546.12 |
| | 11/02/00 | | (a) | 90.46 | (a) | 3547.16 |
| | 11/22/00 | | (a) | 91.49 | (a) | 3546.13 |
| | 12/11/00 | | (a) | 91.51 | (a) | 3546.11 |
| | 01/05/01 | | 91.53 | 91.54 | 0.01 | 3546.09 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| | 01/22/01 | | 91.49 | 91.51 | 0.02 | 3546.13 |
| | 02/09/01 | | 91.61 | 91.67 | 0.06 | 3546.00 |
| | 02/15/01* | | 91.48 | 91.50 | 0.02 | 3546.14 |
| | 03/09/01 | | 91.51 | 91.53 | 0.02 | 3546.11 |
| | 03/29/01 | | 91.51 | 91.53 | 0.02 | 3546.11 |
| | 08/08/01 | | 91.48 | 91.50 | 0.02 | 3546.14 |
| | 02/01/02 | | 91.60 | 91.68 | 0.08 | 3546.00 |
| | 02/11/02 | | 91.51 | 91.53 | 0.02 | 3546.11 |
| | 03/15/02* | | (a) | 91.49 | sheen | 3546.13 |
| | 08/05/02* | | 91.49 | 91.51 | 0.02 | 3546.13 |
| | 01/14/03* | | 91.55 | 91.58 | 0.03 | 3546.06 |
| | 10/13/03* | | 91.61 | 91.65 | 0.04 | 3546.00 |
| | 05/26/04* | | 91.62 | 91.68 | 0.06 | 3545.99 |
| | 11/10/04* | | 91.62 | 91.70 | 0.08 | 3545.98 |
| | 04/13/05* | | (a) | 91.64 | (a) | 3545.98 |
| | 11/29/05* | | (a) | 91.45 | (a) | 3546.17 |
| | 05/08/06* | | 91.36 | 91.44 | 0.08 | 3546.24 |
| | 12/11/06* | | 91.34 | 91.45 | 0.11 | 3546.26 |
| | 06/18/07* | | 91.26 | 91.37 | 0.11 | 3546.34 |
| | 12/05/07* | | 91.33 | 91.45 | 0.12 | 3546.27 |
| | 05/20/08* | | 91.33 | 91.45 | 0.12 | 3546.27 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| SVE-4 | 11/12/97 | 3636.95 (d) | (a) | 89.69 | (a) | 3547.26 |
| | 12/29/97 | | 90.40 | 92.30 | 1.90 | 3546.17 |
| | 11/24/98 | | 89.14 | 93.54 | 4.40 | 3546.93 |
| | 01/06/99 | 3636.49 (e) | 87.70 | 91.75 | 4.05 | 3547.98 |
| | 02/08/99 | | 89.85 | 93.26 | 3.41 | 3545.96 |
| | 06/02/99 | | 89.65 | 90.82 | 1.17 | 3546.61 |
| | 06/04/99 | | 89.75 | 90.73 | 0.98 | 3546.54 |
| | 06/15/99 | | 89.73 | 90.76 | 1.03 | 3546.55 |
| | 06/24/99 | | 88.76 | 89.80 | 1.04 | 3547.52 |
| | 07/13/99 | | 89.79 | 90.71 | 0.92 | 3546.52 |
| | 07/27/99 | | 89.99 | 90.70 | 0.71 | 3546.36 |
| | 08/24/99 | | 89.79 | 90.28 | 0.49 | 3546.60 |
| | 09/07/99 | | 89.92 | 90.40 | 0.48 | 3546.47 |
| | 09/23/99 | | 89.79 | 90.19 | 0.40 | 3546.62 |
| | 10/12/99 | | 89.95 | 90.34 | 0.39 | 3546.46 |
| | 10/26/99 | | 89.89 | 90.25 | 0.36 | 3546.53 |
| | 11/09/99 | | 89.80 | 90.17 | 0.37 | 3546.62 |
| | 11/24/99 | | 90.48 | 90.85 | 0.37 | 3545.94 |
| | 12/14/99 | | 89.76 | 90.18 | 0.42 | 3546.65 |
| | 12/28/99 | | 90.18 | 90.64 | 0.46 | 3546.22 |
| | 01/13/00 | | 90.04 | 90.42 | 0.38 | 3546.37 |
| | 01/20/00 | | 89.76 | 90.14 | 0.38 | 3546.65 |
| | 02/01/00 | | 90.06 | 90.49 | 0.43 | 3546.34 |
| | 02/14/00* | 3636.48 (f) | 90.47 | 91.03 | 0.56 | 3545.90 |
| | 02/22/00 | | 90.40 | 90.80 | 0.40 | 3546.00 |
| | 03/06/00 | | 89.70 | 90.14 | 0.44 | 3546.69 |
| | 03/27/00 | | 89.88 | 90.31 | 0.43 | 3546.51 |
| | 04/10/00 | | 89.91 | 90.22 | 0.31 | 3546.51 |
| | 04/27/00 | | 89.96 | 90.18 | 0.22 | 3546.48 |
| | 05/08/00 | | 89.82 | 89.98 | 0.16 | 3546.63 |
| | 05/25/00 | | 89.81 | 89.95 | 0.14 | 3546.64 |
| | 06/08/00 | | 89.88 | 90.00 | 0.12 | 3546.58 |
| | 06/26/00 | | 89.85 | 89.95 | 0.10 | 3546.61 |
| | 07/11/00 | | 89.98 | 90.04 | 0.06 | 3546.49 |
| | 07/27/00 | | 89.86 | 89.92 | 0.06 | 3546.61 |
| | 08/07/00 | | 89.84 | 89.89 | 0.05 | 3546.63 |
| | 08/24/00 | | 89.96 | 89.98 | 0.02 | 3546.52 |
| | 09/07/00 | | 89.99 | 90.00 | 0.01 | 3546.49 |
| | 09/25/00 | | 90.06 | 90.08 | 0.02 | 3546.42 |
| | 10/09/00 | | (a) | 89.85 | (a) | 3546.63 |
| | 10/17/00* | | 90.13 | 90.15 | 0.02 | 3546.35 |
| | 11/02/00 | | 90.57 | 90.60 | 0.03 | 3545.90 |
| | 11/22/00 | | 90.55 | 90.66 | 0.11 | 3545.91 |
| | 12/11/00 | | 89.89 | 89.97 | 0.08 | 3546.57 |
| | 01/05/01 | | 90.59 | 90.70 | 0.11 | 3545.87 |
| | 01/22/01 | | 90.44 | 90.63 | 0.19 | 3546.00 |
| | 02/09/01 | | 89.97 | 90.50 | 0.53 | 3546.40 |
| | 02/15/01* | | 90.54 | 90.68 | 0.14 | 3545.91 |
| | 03/09/01 | | 89.95 | 90.26 | 0.31 | 3546.47 |
| | 03/29/01 | | 89.88 | 89.94 | 0.06 | 3546.59 |
| | 08/08/01 | | (a) | 90.52 | (a) | 3545.96 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| | 02/01/02 | | 90.27 | 90.80 | 0.53 | 3546.10 |
| | 02/11/02 | | 91.47 | 92.35 | 0.88 | 3544.83 |
| | 03/15/02* | | (a) | 90.60 | (a) | 3545.88 |
| | 08/05/02* | | (a) | 89.79 | (a) | 3546.69 |
| | 01/14/03* | | (a) | 90.71 | (a) | 3545.77 |
| | 10/13/03* | | (a) | 90.76 | (a) | 3545.72 |
| | 05/26/04* | | (a) | 90.80 | (a) | 3545.68 |
| | 11/10/04* | | (a) | 90.70 | (a) | 3545.78 |
| | 04/13/05* | | (a) | 90.77 | (a) | 3545.71 |
| | 11/29/05* | | (a) | 90.15 | (a) | 3546.33 |
| | 05/08/06* | | (a) | 90.51 | (a) | 3545.97 |
| | 12/11/06* | | (a) | 90.53 | (a) | 3545.95 |
| | 06/18/07* | | (a) | 90.28 | (a) | 3546.20 |
| | 12/05/07* | | (a) | 90.47 | (a) | 3546.01 |
| | 05/20/08* | | (a) | 90.41 | (a) | 3546.07 |
| SVE-5 | 11/12/97 | 3635.65 (d) | (a) | 89.60 | (a) | 3546.05 |
| | 12/29/97 | | (a) | 89.59 | (a) | 3546.06 |
| | 01/09/98 | | (a) | 89.75 | (a) | 3545.90 |
| | 11/24/98 | | (a) | 89.60 | (a) | 3546.05 |
| | 02/10/99* | | (a) | 89.67 | (a) | 3545.98 |
| | 06/02/99 | | (a) | 89.59 | (a) | 3546.06 |
| | 08/10/99* | | (a) | 89.71 | (a) | 3545.94 |
| | 02/14/00* | 3635.66 (f) | (a) | 89.85 | (a) | 3545.81 |
| | 10/17/00* | | (a) | 89.59 | (a) | 3546.07 |
| | 02/15/01* | | (a) | 89.86 | (a) | 3545.80 |
| | 08/08/01 | | (a) | 89.82 | (a) | 3545.84 |
| | 03/15/02* | | (a) | 89.88 | (a) | 3545.78 |
| | 08/05/02* | | (a) | 89.75 | (a) | 3545.91 |
| | 01/14/03* | | (a) | 89.97 | (a) | 3545.69 |
| | 10/13/03* | | (a) | 89.98 | (a) | 3545.68 |
| | 05/26/04* | | (a) | 90.04 | (a) | 3545.62 |
| | 11/10/04* | | (a) | 89.93 | (a) | 3545.73 |
| | 04/13/05* | | (a) | 89.97 | (a) | 3545.69 |
| | 11/29/05* | | (a) | 89.68 | (a) | 3545.98 |
| | 05/08/06* | | (a) | 89.75 | (a) | 3545.91 |
| | 12/11/06* | | (a) | 89.76 | (a) | 3545.90 |
| | 06/18/07* | | (a) | 89.58 | (a) | 3546.08 |
| | 12/05/07* | | (a) | 89.71 | (a) | 3545.95 |
| | 05/20/08* | | (a) | 89.68 | (a) | 3545.98 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| SVE-6 | 11/12/97 | 3636.38 (d) | (a) | 90.20 | (a) | 3546.18 |
| | 12/29/97 | | (a) | 90.20 | (a) | 3546.18 |
| | 01/09/98 | | (a) | 90.25 | (a) | 3546.13 |
| | 11/24/98 | | (a) | 90.20 | (a) | 3546.18 |
| | 02/10/99* | | (a) | 90.27 | (a) | 3546.11 |
| | 06/02/99 | | (a) | 90.13 | (a) | 3546.25 |
| | 08/10/99* | | (a) | 90.23 | (a) | 3546.15 |
| | 02/14/00* | 3636.38 (f) | (a) | 90.44 | (a) | 3545.94 |
| | 10/17/00* | | (a) | 90.19 | (a) | 3546.19 |
| | 02/15/01* | | (a) | 90.43 | (a) | 3545.95 |
| | 08/08/01 | | (a) | 90.40 | (a) | 3545.98 |
| | 03/15/02* | | (a) | 90.49 | (a) | 3545.89 |
| | 08/05/02* | | (a) | 90.32 | (a) | 3546.06 |
| | 01/14/03* | | (a) | 90.56 | (a) | 3545.82 |
| | 10/13/03* | | (a) | 90.60 | (a) | 3545.78 |
| | 05/26/04* | | (a) | 90.64 | (a) | 3545.74 |
| | 11/10/04* | | (a) | 90.51 | (a) | 3545.87 |
| | 04/13/05* | | (a) | 90.58 | (a) | 3545.80 |
| | 11/29/05* | | (a) | 90.21 | (a) | 3546.17 |
| | 05/08/06* | | (a) | 90.36 | (a) | 3546.02 |
| | 12/11/06* | | (a) | 90.37 | (a) | 3546.01 |
| | 06/18/07* | | (a) | 90.12 | (a) | 3546.26 |
| | 12/05/07* | | (a) | 90.28 | (a) | 3546.10 |
| | 05/20/08* | | (a) | 90.26 | (a) | 3546.12 |
| SVE-7 | 11/12/97 | 3637.01 (d) | (a) | 89.61 | (a) | 3547.40 |
| | 12/29/97 | | (a) | 90.52 | (a) | 3546.49 |
| | 08/04/98* | | (a) | 90.58 | (a) | 3546.43 |
| | 11/24/98 | | (a) | 90.71 | (a) | 3546.30 |
| | 02/10/99* | | (a) | 90.60 | (a) | 3546.41 |
| | 06/02/99 | 3636.01 (f) | (a) | 89.61 | (a) | 3546.40 |
| | 08/10/99* | | (a) | 89.80 | (a) | 3546.21 |
| | 02/14/00* | 3636.01 (f) | (a) | 89.88 | (a) | 3546.13 |
| | 10/17/00* | | (a) | 89.87 | (a) | 3546.14 |
| | 02/15/01* | | (a) | 89.89 | (a) | 3546.12 |
| | 08/08/01 | | (a) | 89.89 | (a) | 3546.12 |
| | 03/15/02* | | (a) | 89.94 | (a) | 3546.07 |
| | 08/05/02* | | (a) | 89.90 | (a) | 3546.11 |
| | 01/14/03* | | (a) | 89.99 | (a) | 3546.02 |
| | 10/13/03* | | (a) | 90.04 | (a) | 3545.97 |
| | 05/26/04* | | (a) | 90.70 | (a) | 3545.31 |
| | 11/10/04* | | (a) | 90.04 | (a) | 3545.97 |
| | 04/13/05* | | (a) | 90.03 | (a) | 3545.98 |
| | 11/29/05* | | (a) | 89.88 | (a) | 3546.13 |
| | 05/08/06* | | (a) | 89.80 | (a) | 3546.21 |
| | 12/11/06* | | (a) | 89.76 | (a) | 3546.25 |
| | 06/18/07* | | (a) | 89.68 | (a) | 3546.33 |
| | 12/05/07* | | (a) | 89.77 | (a) | 3546.24 |
| | 05/20/08* | | (a) | 89.72 | (a) | 3546.29 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| SVE-8 | 06/02/99 | --- | 89.15 | 92.09 | 2.94 | --- |
| | 06/04/99 | 3637.71 (e) | 90.75 | 92.63 | 1.88 | 3546.58 |
| | 06/15/99 | | 89.19 | 92.46 | 3.27 | 3547.87 |
| | 07/13/99 | | 89.85 | 92.20 | 2.35 | 3547.39 |
| | 07/27/99 | | 90.26 | 92.50 | 2.24 | 3547.00 |
| | 08/24/99 | | 90.00 | 92.32 | 2.32 | 3547.25 |
| | 09/16/99 | | 89.63 | 91.86 | 2.23 | 3547.63 |
| | 09/30/99 | | 90.40 | 92.26 | 1.86 | 3546.94 |
| | 10/19/99 | | 90.91 | 92.48 | 1.57 | 3546.49 |
| | 10/26/99 | | 90.93 | 93.12 | 2.19 | 3546.34 |
| | 11/09/99 | | 90.73 | 92.99 | 2.26 | 3546.53 |
| | 11/24/99 | | 91.47 | 92.85 | 1.38 | 3545.96 |
| | 12/14/99 | | 90.49 | 92.88 | 2.39 | 3546.74 |
| | 01/04/00 | | 90.88 | 93.02 | 2.14 | 3546.40 |
| | 01/20/00 | | 89.29 | 91.10 | 1.81 | 3548.06 |
| | 02/14/00* | 3637.72 (f) | 91.70 | 92.23 | 0.53 | 3545.91 |
| | 06/26/00 | | 89.58 | 91.62 | 2.04 | 3547.73 |
| | 07/27/00 | | 89.96 | 91.65 | 1.69 | 3547.42 |
| | 08/07/00 | | 89.95 | 92.16 | 2.21 | 3547.33 |
| | 08/24/00 | | 90.41 | 92.61 | 2.20 | 3546.87 |
| | 09/07/00 | | 90.08 | 92.21 | 2.13 | 3547.21 |
| | 02/15/01* | | 91.80 | 92.01 | 0.21 | 3545.88 |
| | 03/09/01 | | 90.33 | 92.54 | 2.21 | 3546.95 |
| | 03/29/01 | | 90.75 | 93.39 | 2.64 | 3546.44 |
| | 08/08/01 | | 90.45 | 91.98 | 1.53 | 3546.96 |
| | 02/01/02 | | 91.65 | 91.74 | 0.09 | 3546.05 |
| | 02/11/02 | | 91.70 | 92.55 | 0.85 | 3545.85 |
| | 03/15/02* | | 91.64 | 92.79 | 1.15 | 3545.85 |
| | 08/05/02* | | 90.65 | 90.68 | 0.03 | 3547.06 |
| | 01/14/03* | | 90.86 | 90.91 | 0.05 | 3546.85 |
| | 10/13/03* | | 90.92 | 90.95 | 0.03 | 3546.79 |
| | 05/26/04* | | 91.97 | 92.59 | 0.62 | 3545.63 |
| | 11/10/04* | | (a) | 91.90 | (a) | 3545.82 |
| | 04/13/05* | | 91.75 | 93.19 | 1.44 | 3545.68 |
| | 11/29/05* | | (a) | 91.32 | (a) | 3546.40 |
| | 05/08/06* | | 91.34 | 93.23 | 1.89 | 3546.00 |
| | 12/11/06* | | 91.49 | 92.86 | 1.37 | 3545.96 |
| | 06/18/07* | | 91.39 | 91.71 | 0.32 | 3546.27 |
| | 12/05/07* | | 91.58 | 91.59 | 0.01 | 3546.14 |
| | 05/20/08* | | 91.38 | 92.60 | 1.22 | 3546.10 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| SVE-9 | 06/02/99 | --- | 89.28 | 91.56 | 2.28 | --- |
| | 06/04/99 | 3637.48 (e) | 90.41 | 93.14 | 2.73 | 3546.52 |
| | 07/20/99 | | 90.09 | 92.80 | 2.71 | 3546.85 |
| | 08/03/99 | | 90.05 | 92.98 | 2.93 | 3546.84 |
| | 08/10/99* | | 90.96 | 93.27 | 2.31 | 3546.06 |
| | 09/02/99 | | 90.40 | 93.48 | 3.08 | 3546.46 |
| | 09/20/99 | | 89.66 | 92.03 | 2.37 | 3547.35 |
| | 10/05/99 | | 91.02 | 93.25 | 2.23 | 3546.01 |
| | 10/19/99 | | 91.14 | 93.23 | 2.09 | 3545.92 |
| | 11/09/99 | | 90.35 | 92.84 | 2.49 | 3546.63 |
| | 11/24/99 | | 91.16 | 93.12 | 1.96 | 3545.93 |
| | 12/14/99 | | 90.20 | 92.73 | 2.53 | 3546.77 |
| | 01/04/00 | | 90.62 | 92.23 | 1.61 | 3546.54 |
| | 02/14/00* | 3637.51 (f) | 91.23 | 92.97 | 1.74 | 3545.93 |
| | 08/07/00 | | 90.77 | 92.87 | 2.10 | 3546.32 |
| | 02/15/01* | | 91.44 | 92.10 | 0.66 | 3545.94 |
| | 08/08/01 | | 89.99 | 91.41 | 1.42 | 3547.24 |
| | 02/01/02 | | 91.29 | 91.97 | 0.68 | 3546.08 |
| | 02/11/02 | | 91.42 | 92.44 | 1.02 | 3545.89 |
| | 03/15/02* | | 91.38 | 92.53 | 1.15 | 3545.90 |
| | 08/05/02* | | 90.10 | 90.36 | 0.26 | 3547.36 |
| | 01/14/03* | | 91.57 | 92.15 | 0.58 | 3545.82 |
| | 10/13/03* | | 91.99 | 92.65 | 0.66 | 3545.39 |
| | 05/26/04* | | 91.91 | 92.90 | 0.99 | 3545.40 |
| | 11/10/04* | | (a) | 91.33 | (a) | 3546.18 |
| | 04/13/05* | | 91.65 | 91.88 | 0.23 | 3545.81 |
| | 11/29/05* | | 91.10 | 91.11 | 0.01 | 3546.41 |
| | 05/08/06* | | 91.34 | 91.71 | 0.37 | 3546.10 |
| | 12/11/06* | | 91.37 | 91.75 | 0.38 | 3546.06 |
| | 06/18/07* | | (a) | 91.14 | (a) | 3546.37 |
| | 12/05/07* | | -- | -- | -- | --- |
| | 05/20/08* | | (a) | 91.32 | (a) | 3546.19 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| SVE-10 | 06/02/99 | --- | (a) | 89.90 | (a) | --- |
| | 06/04/99 | 3637.38 (e) | (a) | 91.20 | (a) | 3546.18 |
| | 06/28/99 | | 89.72 | 90.89 | 1.17 | 3547.43 |
| | 07/06/99 | | 89.51 | 91.61 | 2.10 | 3547.45 |
| | 07/27/99 | | 90.59 | 93.59 | 3.00 | 3546.19 |
| | 08/10/99* | | 90.88 | 93.51 | 2.63 | 3545.97 |
| | 08/24/99 | | 90.70 | 93.25 | 2.55 | 3546.17 |
| | 09/07/99 | | 90.65 | 93.44 | 2.79 | 3546.17 |
| | 09/23/99 | | 90.62 | 93.18 | 2.56 | 3546.25 |
| | 10/12/99 | | 90.79 | 93.49 | 2.70 | 3546.05 |
| | 10/26/99 | | 90.84 | 93.09 | 2.25 | 3546.09 |
| | 11/09/99 | | 90.76 | 92.98 | 2.22 | 3546.18 |
| | 11/24/99 | | 90.43 | 92.42 | 1.99 | 3546.55 |
| | 12/14/99 | | 90.67 | 92.91 | 2.24 | 3546.26 |
| | 02/01/00 | | 89.89 | 92.41 | 2.52 | 3546.99 |
| | 02/14/00* | 3637.36 (f) | 91.06 | 93.19 | 2.13 | 3545.87 |
| | 02/22/00 | | 90.84 | 91.68 | 0.84 | 3546.35 |
| | 03/06/00 | | 90.75 | 91.96 | 1.21 | 3546.37 |
| | 03/27/00 | | 91.06 | 91.53 | 0.47 | 3546.21 |
| | 04/10/00 | | 90.07 | 92.14 | 2.07 | 3546.88 |
| | 05/25/00 | | 90.25 | 92.15 | 1.90 | 3546.73 |
| | 06/08/00 | | 90.76 | 92.83 | 2.07 | 3546.19 |
| | 06/26/00 | | 90.61 | 92.01 | 1.40 | 3546.47 |
| | 07/27/00 | | 90.58 | 91.78 | 1.20 | 3546.54 |
| | 08/07/00 | | 90.94 | 92.39 | 1.45 | 3546.13 |
| | 08/24/00 | | 91.16 | 92.01 | 0.85 | 3546.03 |
| | 02/15/01* | | 91.51 | 91.72 | 0.21 | 3545.81 |
| | 08/08/01 | | 91.31 | 92.52 | 1.21 | 3545.81 |
| | 02/01/02 | | 91.34 | 92.55 | 1.21 | 3545.78 |
| | 02/11/02 | | 91.46 | 92.74 | 1.28 | 3545.64 |
| | 03/15/02* | | 91.48 | 92.39 | 0.91 | 3545.70 |
| | 08/05/02* | | 90.22 | 90.36 | 0.14 | 3547.11 |
| | 01/14/03* | | 91.48 | 92.45 | 0.97 | 3545.69 |
| | 10/13/03* | | 91.47 | 92.69 | 1.22 | 3545.65 |
| | 05/26/04* | | 91.62 | 92.19 | 0.57 | 3545.63 |
| | 11/10/04* | | (a) | 91.47 | (a) | 3545.89 |
| | 04/13/05* | | 91.47 | 92.88 | 1.41 | 3545.61 |
| | 11/29/05* | | (a) | 91.35 | (a) | 3546.01 |
| | 05/08/06* | | 91.48 | 91.65 | 0.17 | 3545.85 |
| | 12/11/06* | | 91.52 | 92.05 | 0.53 | 3545.73 |
| | 06/18/07* | | 90.02 | 90.05 | 0.03 | 3547.33 |
| | 12/05/07* | | 91.49 | 91.53 | 0.04 | 3545.86 |
| | 05/20/08* | | (a) | 91.35 | (a) | 3546.01 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| SVE-11 | 06/02/99 | --- | (a) | 90.89 | (a) | --- |
| | 06/04/99 | 3637.31 (e) | (a) | 91.45 | (a) | 3545.86 |
| | 06/15/99 | | (a) | 91.44 | (a) | 3545.87 |
| | 06/24/99 | | (a) | 91.47 | (a) | 3545.84 |
| | 07/13/99 | | (a) | 91.46 | (a) | 3545.85 |
| | 07/27/99 | | (a) | 91.51 | (a) | 3545.80 |
| | 08/10/99* | | (a) | 91.45 | (a) | 3545.86 |
| | 08/24/99 | | (a) | 91.40 | (a) | 3545.91 |
| | 09/07/99 | | (a) | 91.42 | (a) | 3545.89 |
| | 09/23/99 | | (a) | 91.51 | (a) | 3545.80 |
| | 10/12/99 | | (a) | 91.51 | (a) | 3545.80 |
| | 10/26/99 | | (a) | 91.48 | (a) | 3545.83 |
| | 11/09/99 | | (a) | 91.44 | (a) | 3545.87 |
| | 11/24/99 | | (a) | 91.49 | (a) | 3545.82 |
| | 12/14/99 | | (a) | 91.45 | (a) | 3545.86 |
| | 12/28/99 | | (a) | 91.45 | (a) | 3545.86 |
| | 01/13/00 | | (a) | 91.59 | (a) | 3545.72 |
| | 01/20/00 | | (a) | 91.48 | (a) | 3545.83 |
| | 02/01/00 | | (a) | 91.53 | (a) | 3545.78 |
| | 02/14/00* | 3637.31 (f) | (a) | 91.53 | (a) | 3545.78 |
| | 02/22/00 | | (a) | 91.48 | (a) | 3545.83 |
| | 03/06/00 | | (a) | 91.43 | (a) | 3545.88 |
| | 03/27/00 | | (a) | 91.58 | (a) | 3545.73 |
| | 04/10/00 | | (a) | 91.48 | (a) | 3545.83 |
| | 04/27/00 | | (a) | 91.54 | (a) | 3545.77 |
| | 05/08/00 | | (a) | 91.47 | (a) | 3545.84 |
| | 05/25/00 | | (a) | 91.52 | (a) | 3545.79 |
| | 06/08/00 | | (a) | 91.51 | (a) | 3545.80 |
| | 06/26/00 | | (a) | 91.52 | (a) | 3545.79 |
| | 07/11/00 | | (a) | 91.51 | (a) | 3545.80 |
| | 07/27/00 | | (a) | 91.50 | (a) | 3545.81 |
| | 08/07/00 | | (a) | 91.51 | (a) | 3545.80 |
| | 08/24/00 | | (a) | 91.50 | (a) | 3545.81 |
| | 09/07/00 | | (a) | 91.49 | (a) | 3545.82 |
| | 10/09/00 | | (a) | 91.51 | (a) | 3545.80 |
| | 10/17/00* | | (a) | 91.45 | (a) | 3545.86 |
| | 11/02/00 | | (a) | 91.51 | (a) | 3545.80 |
| | 11/22/00 | | (a) | 91.50 | (a) | 3545.81 |
| | 12/11/00 | | (a) | 91.51 | (a) | 3545.80 |
| | 01/05/01 | | (a) | 91.52 | (a) | 3545.79 |
| | 01/22/01 | | (a) | 91.52 | (a) | 3545.79 |
| | 02/09/01 | | (a) | 91.53 | (a) | 3545.78 |
| | 02/15/01* | | (a) | 91.54 | (a) | 3545.77 |
| | 03/09/01 | | (a) | 91.52 | (a) | 3545.79 |
| | 03/29/01 | | (a) | 91.52 | (a) | 3545.79 |
| | 08/08/01 | | (a) | 91.54 | (a) | 3545.77 |
| | 02/01/02 | | (a) | 91.72 | (a) | 3545.59 |
| | 03/15/02* | | (a) | 91.65 | (a) | 3545.66 |
| | 08/05/02* | | (a) | 90.44 | (a) | 3546.87 |
| | 01/14/03* | | (a) | 91.76 | (a) | 3545.55 |
| | 10/13/03* | | (a) | 91.78 | (a) | 3545.53 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| | 05/26/04* | | (a) | 91.88 | (a) | 3545.43 |
| | 11/10/04* | | (a) | 91.83 | (a) | 3545.48 |
| | 04/13/05* | | (a) | 91.81 | (a) | 3545.50 |
| | 11/29/05* | | (a) | 91.63 | (a) | 3545.68 |
| | 05/08/06* | | (a) | 90.41 | (a) | 3546.90 |
| | 12/11/06* | | (a) | 90.42 | (a) | 3546.89 |
| | 06/18/07* | | (a) | 90.25 | (a) | 3547.06 |
| | 12/05/07* | | (a) | 90.38 | (a) | 3546.93 |
| | 05/20/08* | | (a) | 90.34 | (a) | 3546.97 |
| SVE-12 | 06/02/99 | --- | 88.75 | 91.36 | 2.61 | --- |
| | 06/04/99 | 3637.39 (e) | 90.34 | 92.64 | 2.30 | 3546.59 |
| | 06/24/99 | | 90.81 | 93.71 | 2.90 | 3546.00 |
| | 07/01/99 | | 88.78 | 92.09 | 3.31 | 3547.95 |
| | 07/15/99 | | 90.51 | 93.29 | 2.78 | 3546.32 |
| | 08/10/99* | | 90.95 | 93.08 | 2.13 | 3546.01 |
| | 08/24/99 | | 90.50 | 92.61 | 2.11 | 3546.47 |
| | 09/09/99 | | 90.48 | 93.16 | 2.68 | 3546.37 |
| | 09/23/99 | | 90.19 | 92.42 | 2.23 | 3546.75 |
| | 10/12/99 | | 90.61 | 93.28 | 2.67 | 3546.25 |
| | 10/28/99 | | 90.57 | 92.93 | 2.36 | 3546.35 |
| | 11/09/99 | | 90.60 | 93.08 | 2.48 | 3546.29 |
| | 11/24/99 | | 91.06 | 93.22 | 2.16 | 3545.90 |
| | 12/14/99 | | 90.45 | 93.19 | 2.74 | 3546.39 |
| | 01/20/00 | | 89.20 | 90.99 | 1.79 | 3547.83 |
| | 02/01/00 | | 89.03 | 90.84 | 1.81 | 3548.00 |
| | 02/14/00* | 3637.41 (f) | 91.16 | 93.01 | 1.85 | 3545.88 |
| | 10/09/00 | | 90.15 | 91.51 | 1.36 | 3546.99 |
| | 11/02/00 | | 91.11 | 93.05 | 1.94 | 3545.91 |
| | 10/17/00* | | 90.93 | 92.49 | 1.56 | 3546.17 |
| | 02/15/01* | | 91.45 | 91.76 | 0.31 | 3545.90 |
| | 08/08/01 | | 90.38 | 90.50 | 0.12 | 3547.01 |
| | 02/01/02 | | (a) | 90.37 | (a) | 3547.04 |
| | 02/11/02 | | (a) | 90.62 | (a) | 3546.79 |
| | 03/15/02* | | 91.38 | 92.27 | 0.89 | 3545.85 |
| | 08/05/02* | | 90.34 | 90.54 | 0.20 | 3547.03 |
| | 01/14/03* | | 91.50 | 92.03 | 0.53 | 3545.80 |
| | 10/13/03* | | 91.49 | 92.29 | 0.80 | 3545.76 |
| | 05/26/04* | | 91.94 | 92.78 | 0.84 | 3545.30 |
| | 11/10/04* | | 91.32 | 92.88 | 1.56 | 3545.78 |
| | 04/13/05* | | 91.64 | 91.65 | 0.01 | 3545.77 |
| | 11/29/05* | | 91.19 | 91.20 | 0.01 | 3546.22 |
| | 05/08/06* | | 91.04 | 92.58 | 1.54 | 3546.06 |
| | 12/11/06* | | 91.29 | 92.16 | 0.87 | 3545.95 |
| | 06/18/07* | | 90.10 | 90.11 | 0.01 | 3547.31 |
| | 12/05/07* | | 90.30 | 90.31 | 0.01 | 3547.11 |
| | 05/20/08* | | (a) | 90.19 | (a) | 3547.22 |

# Table 1. Summary of Groundwater Surface Elevations
# TW Bell Lake Gas Plant

| Well | Sampling Date | Top of Casing (ft) | Depth to PSH (ft) | Depth to Water (ft) | PSH (ft) | Surface Elevation (ft) |
|---|---|---|---|---|---|---|
| SVE-13 | 12/28/99 | 3637.33 (f) | 91.20 | 91.99 | 0.79 | 3545.97 |
| | 01/25/00 | | 90.76 | 91.79 | 1.03 | 3546.36 |
| | 02/14/00* | | 91.13 | 92.87 | 1.74 | 3545.85 |
| | 02/22/00 | | 90.48 | 91.56 | 1.08 | 3546.63 |
| | 03/09/00 | | 90.38 | 92.84 | 2.46 | 3546.46 |
| | 04/27/00 | | 90.28 | 92.29 | 2.01 | 3546.65 |
| | 05/08/00 | | 90.07 | 92.08 | 2.01 | 3546.86 |
| | 05/25/00 | | 90.27 | 92.86 | 2.59 | 3546.54 |
| | 06/19/00 | | 90.64 | 92.09 | 1.45 | 3546.40 |
| | 07/11/00 | | 90.51 | 91.57 | 1.06 | 3546.61 |
| | 08/07/00 | | 90.60 | 93.20 | 2.60 | 3546.21 |
| | 02/15/01* | | 91.38 | 91.40 | 0.02 | 3545.95 |
| | 08/08/01 | | 91.27 | 91.80 | 0.53 | 3545.95 |
| | 02/01/02 | | 91.42 | 91.67 | 0.25 | 3545.86 |
| | 02/11/02 | | 91.50 | 91.71 | 0.21 | 3545.79 |
| | 03/15/02* | | 91.36 | 91.55 | 0.19 | 3545.93 |
| | 08/05/02* | | 90.27 | 90.52 | 0.25 | 3547.01 |
| | 01/14/03* | | 91.45 | 91.74 | 0.29 | 3545.82 |
| | 10/13/03* | | 91.43 | 91.88 | 0.45 | 3545.81 |
| | 05/26/04* | | 91.79 | 93.07 | 1.28 | 3545.28 |
| | 11/10/04* | | 91.11 | 93.17 | 2.06 | 3545.81 |
| | 04/13/05* | | 91.22 | 92.91 | 1.69 | 3545.77 |
| | 11/29/05* | | (a) | 91.20 | (a) | 3546.13 |
| | 05/08/06* | | 91.01 | 92.35 | (a) | 3544.98 |
| | 12/11/06* | | 91.03 | 92.51 | 1.48 | 3546.00 |
| | 06/18/07* | | 90.82 | 92.07 | 1.25 | 3546.26 |
| | 12/05/07* | | 91.04 | 92.22 | 1.18 | 3546.05 |
| | 05/20/08* | | 90.88 | 92.54 | 1.66 | 3546.12 |

NOTES:

(a) Not applicable since no measurable thickness of hydrocarbon is present

(b) Corrections to ground water surface elevation for presence of hydrocarbon is calculated assuming a specific gravity of 0.8

(c) TOC elevation based on survey by John West Surveying Co. on 12/28/95

(d) TOC elevation based on survey by CES (GCR) on 01/09/98

(e) TOC elevation based on survey by CES (GCR) on 08/11/99

(f) TOC elevation based on survey by John West Surveying Co. on 12/27/99
w/adjustments: MW-2=+0.06, MW-7 & SVE-1-13=+0.08, MW-10-13=+0.02

(g) TOC elevation based on survey by John West Surveying Co. on 01/09/03

# Table 2. Summary of Groundwater Analyses
# Organics and Field Measured Parameters
# TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| MW-1 | 10/24/93 | - | **24** | 29 | 32 | 82 | - | - | - | - |
| | 12/07/94 | - | **92** | 50 | 54 | < 111 | - | 8.82 | - | - |
| | 05/31/95 | - | 8 | 13 | 9 | 29 | - | 8.80 | - | - |
| | 12/14/95 | - | < 200 | 366 | < 200 | 204 | - | **9.55** | 18.7 | 8090 |
| | 02/21/96 | 757 | **13** | 62 | 29 | 53 | - | - | - | - |
| | 05/16/96 | - | **15** | 9 | 33 | 47 | - | **9.68** | 26.7 | 14650 |
| | 08/14/96 | 744 | **11** | 5 | 23 | 30 | < 1 | 8.97 | 23.2 | 8490 |
| | 11/14/96 | - | 2.4 | 4.9 | 13 | 9 | < 1 | 8.38 | 19.7 | - |
| | 02/08/97 | - | **11** | 13 | 11 | 14 | < 1 | **9.32** | 14.5 | 9200 |
| | 08/09/97 | - | **14** | 14 | 12 | 12 | 0 | 8.92 | 23.1 | 8750 |
| | 02/25/98 | - | 6.54 | 7.66 | 8.45 | 7.01 | 0 | **9.45** | 19.7 | 9340 |
| | 08/03/98 | - | 6.5 | 6.4 | 11 | 11 | 1.5 | 8.59 | 22.4 | 7450 |
| | 02/10/99 | - | 5 | 3 | 14 | 3 | 1.3 | 8.63 | 22.2 | 7160 |
| | 08/10/99 | - | **11** | 10 | 11 | 7 | 0.7 | **9.08** | 23.8 | 7090 |
| | 02/14/00 | - | 7.8 | 5.4 | 18 | 7.8 | 3.4 | **9.37** | 20.6 | 9240 |
| | 10/17/00 | - | 5.77 | 4.93 | 8 | 5.1 | 3.3 | **9.53** | 21.6 | 9240 |
| | 02/16/01 | - | 4.07 | 3.75 | 8.17 | 4.42 | - | **9.98** | 20.4 | 12120 |
| | 08/08/01 | - | 8.38 | 9.79 | 2.71 | 7.16 | 4.2 | **9.06** | 21.2 | 10240 |
| | 03/16/02 | - | < 5 | < 5 | < 5 | < 5 | 0.2 | 8.68 | 22.8 | 6460 |
| | 08/05/02 | - | 8.2 | 12 | 1.1 | 5.0 | 3.2 | 8.43 | 21.6 | 10020 |
| | 01/14/03 | - | 9.2 | 13 | 0.61 | 6.5 | 0.5 | 8.94 | 23.0 | 6290 |
| | 10/15/03 | - | 2.0 | 2.5 | < 0.50 | 1.6 | 0.13 | 8.98 | 21.3 | 6633 |
| | 05/26/04 | - | **11** | 17 | 0.92 | 8.9 | 1.3 | **9.07** | 21.8 | 5610 |
| | 11/11/04 | - | 9.5 | 14 | 0.55 | 6.3 | 1.3 | **9.54** | 20.7 | 6120 |
| | 04/13/05 | - | 9.1 | 14 | 0.52 | 6.3 | 1.8 | **9.10** | 21.1 | 5840 |
| | 11/30/05 | - | 5.6 | 7.3 | < 0.50 | 3.4 | 2.43 | 8.84 | 20.7 | 4875 |
| | 05/10/06 | - | 5.3 | 6.5 | < 1 | 3.4 | 0.93 | **9.03** | 21.0 | 5375 |
| | 12/13/06 | - | 5.0 | 6.2 | 1.8 | < 3 | 1.95 | 8.83 | 20.8 | 3851 |
| | 06/20/07 | - | 5.4 | 6.2 | < 1 | 2.0 | 0.89 | **9.07** | 21.0 | 5749 |
| | 12/05/07 | - | 2.6 | 2.6 | < 1 | < 2 | 1.06 | - | 20.5 | 5155 |
| | 05/20/08 | - | 5.0 | 5.8 | < 1 | < 2 | 0.93 | **9.03** | 21.3 | 4863 |

# Table 2. Summary of Groundwater Analyses
# Organics and Field Measured Parameters
# TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| MW-2 | 10/19/93 | - | < 5 | < 5 | < 5 | < 5 | - | - | - | - |
| | 12/07/94 | - | 6 | 5 | < 2 | < 4 | - | 7.18 | - | - |
| | 05/31/95 | - | 3 | < 2 | < 2 | < 2 | - | 7.40 | - | - |
| | 12/14/95 | - | < 2 | < 2 | < 2 | < 2 | - | 8.26 | 19.8 | 3890 |
| | 02/20/96 | < 50 | < 2 | < 2 | < 2 | < 2 | - | 7.07 | 22.2 | 2220 |
| | 05/16/96 | < 50 | < 2 | < 2 | < 2 | < 2 | - | 7.84 | 24.4 | 3950 |
| | 08/13/96 | - | < 2 | < 2 | < 2 | < 3 | 3 | 8.62 | 27.2 | 6860 |
| | 11/14/96 | - | < 2 | < 2 | < 2 | < 2 | 2 | 7.67 | 16.9 | - |
| | 02/08/97 | - | < 2 | < 2 | < 2 | < 2 | 4 | 7.38 | 13.7 | 2000 |
| | 08/08/97 | - | 7.3 | 5.4 | < 2 | 2.7 | 1.7 | 7.38 | 22.0 | 1701 |
| | 02/25/98 | - | < 5 | < 5 | < 5 | < 5 | 2.8 | 7.56 | 18.6 | 1433 |
| | 08/03/98 | - | < 5 | < 5 | < 5 | < 5 | 3.6 | 8.12 | 22.5 | 3340 |
| | 02/10/99 | - | 1 | < 1 | < 1 | < 1 | 2.5 | 7.53 | 22.1 | 1284 |
| | 08/10/99 | - | 2 | < 2 | < 2 | < 2 | 2.5 | 7.84 | 21.8 | 2000 |
| | 02/14/00 | - | **12** | 7.4 | < 1 | 3.9 | 4.3 | **9.10** | 20.3 | 6680 |
| | 10/17/00 | - | 0.831 | < 0.500 | < 0.500 | < 1.00 | 3.4 | 8.99 | 21.0 | 5010 |
| | 02/16/01 | - | 1.15 | < 0.500 | < 0.500 | < 1.00 | 2.5 | **9.21** | 19.0 | 5280 |
| | 08/08/01 | - | 2.43 | 1.04 | < 1 | < 2 | 2.8 | 8.72 | 20.8 | 5180 |
| | 03/16/02 | - | < 5 | < 5 | < 5 | < 5 | 2.3 | 8.36 | 22.2 | 3550 |
| | 08/05/02 | - | 0.90 | < 0.50 | < 0.50 | < 0.50 | 4.9 | 7.74 | 21.2 | 4130 |
| | 01/14/03 | - | 5.7 | 3.5 | < 0.50 | 1.6 | 1.6 | 8.17 | 22.8 | 2410 |
| | 10/15/03 | - | 1.3 | < 0.50 | < 0.50 | < 0.50 | 1.53 | 7.74 | 20.7 | 2121 |
| | 05/26/04 | - | 6.1 | 3.7 | < 0.50 | 2.1 | 1.6 | 7.90 | 21.1 | 3760 |
| | 11/10/04 | - | 1.3 | 0.76 | < 0.50 | < 0.50 | 1.1 | 8.49 | 20.5 | 2160 |
| | 04/13/05 | - | **16** | 12 | < 0.50 | 5.5 | 2.7 | 8.02 | 21.0 | 1430 |
| | 11/30/05 | - | 3.8 | 2.0 | < 0.50 | 1.4 | 1.8 | 7.79 | 20.4 | 944 |
| | 05/10/06 | - | 2.9 | 1.7 | < 1 | < 3 | 1.97 | 7.83 | 20.3 | 1653 |
| | 12/13/06 | - | 7.0 | 4.9 | < 1 | < 3 | 2.08 | 7.77 | 20.3 | 1075 |
| | 06/20/07 | - | 5.4 | 4.7 | < 1 | < 2 | 1.40 | 8.34 | 20.5 | 1944 |
| | 12/06/07 | - | 5.1 | 3.8 | < 1 | < 2 | 1.92 | 8.83 | 18.2 | 843 |
| | 05/22/08 | - | 3.7 | 2.8 | < 1 | < 2 | 1.24 | 8.98 | 20.4 | 1261 |

# Table 2. Summary of Groundwater Analyses
# Organics and Field Measured Parameters
# TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| MW-3 | 10/20/93 | - | < 5 | < 5 | < 5 | < 5 | - | - | - | - |
| | 12/07/94 | - | < 2 | < 2 | < 2 | < 4 | - | 7.32 | - | - |
| | 05/31/95 | - | < 2 | < 2 | < 2 | < 2 | - | 7.70 | - | - |
| | 12/14/95 | - | < 2 | < 2 | < 2 | < 2 | - | 7.79 | 23.0 | 480 |
| | 02/20/96 | - | < 2 | < 2 | < 2 | 2 | - | 7.52 | 22.7 | 490 |
| | 05/16/96 | < 50 | < 2 | < 2 | < 2 | < 2 | - | 7.62 | 27.2 | 558 |
| | 08/13/96 | - | < 2 | < 2 | < 2 | < 3 | 10 | 7.46 | 28.9 | 550 |
| | 11/14/96 | - | < 2 | < 2 | < 2 | < 2 | 8 | 7.37 | 17.2 | - |
| | 02/08/97 | - | < 2 | < 2 | < 2 | < 2 | 8 | 7.35 | 15.3 | 400 |
| | 08/09/97 | - | < 2 | < 2 | < 2 | < 2 | 8.1 | 7.53 | 21.6 | 573 |
| | 02/25/98 | - | < 5 | < 5 | < 5 | < 5 | 8.1 | 7.51 | 18.7 | 484 |
| | 08/03/98 | - | < 5 | < 5 | < 5 | < 5 | 8.5 | 7.51 | 21.8 | 516 |
| MW-4 | 12/07/94 | - | **18** | 71 | 4 | 160 | - | **9.7** | - | - |
| | 05/31/95 | - | **300** | **1300** | < 2 | **800** | - | **10.0** | - | - |
| | 12/13/95 | - | **445** | **1380** | < 200 | **970** | - | **10.73** | 17.7 | 6300 |
| | 02/21/96 | 2520 | **< 200** | 454 | < 200 | 460 | - | - | - | - |
| | 05/16/96 | 58800 | **92** | 549 | 52 | **1370** | - | **9.93** | 27.5 | 9840 |
| | 08/14/96 | 80200 | **333** | **992** | < 200 | **2630** | < 1 | **12.89** | 24.0 | 6480 |
| | 11/14/96 | - | **260** | **1010** | 55 | **1200** | < 1 | 8.51 | 21.1 | - |
| | 02/08/97 | - | **240** | **1000** | < 100 | **1200** | < 1 | **10.73** | 16.5 | 7600 |

# Table 2. Summary of Groundwater Analyses
# Organics and Field Measured Parameters
# TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| MW-5 | 12/07/94 | - | 9 | 20 | 4 | 64 | - | **9.29** | - | - |
| | 05/31/95 | - | **51** | 109 | 16 | 219 | - | **9.00** | - | - |
| | 12/12/95 | - | **27** | 26 | 16 | 107 | - | **10.40** | 21.5 | 12420 |
| | 02/21/96 | 1090 | **45** | 59 | 17 | 133 | - | **12.96** | 20.4 | 9860 |
| | 05/16/96 | 1710 | **51** | 52 | 26 | 177 | - | 8.85 | 26.7 | 10110 |
| | 08/14/96 | 28900 | **48** | 33 | 21 | 150 | < 1 | **9.10** | 24.4 | 10620 |
| | 11/14/96 | - | **67** | 56 | 32 | 270 | < 1 | 8.61 | 22.6 | - |
| | 02/08/97 | - | **75** | 60 | 26 | 140 | < 1 | **9.58** | 15.3 | 4200 |
| | 08/09/97 | - | **140** | 110 | 47 | 370 | 0.6 | 8.74 | 26.1 | 12060 |
| | 02/25/98 | - | **91.8** | 100 | 19.5 | 172.1 | 0.6 | 8.97 | 18.9 | 11540 |
| | 08/04/98 | - | **110** | 96 | 27 | 190 | 2.5 | 8.73 | 24.0 | 11760 |
| | 02/11/99 | - | **120** | 140 | 18 | 200 | 1.3 | 8.94 | 17.3 | 12000 |
| | 08/10/99 | - | **82** | 76 | 20 | 130 | 1.5 | 8.71 | 21.6 | 11010 |
| | 02/14/00 | - | **110** | 72 | 33 | 200 | 1.0 | 8.92 | 21.3 | 11980 |
| | 10/18/00 | - | **168** | 230 | 30.4 | 306 | 3.1 | 8.63 | 21.5 | 9460 |
| | 02/15/01 | - | **104** | 74.9 | 26.1 | 157 | 1.1 | 8.61 | 21.5 | 10000 |
| | 08/09/01 | - | **106** | 100 | 22.5 | 169.8 | 1.0 | 8.37 | 21.5 | 8710 |
| | 03/17/02 | - | **92** | 30.9 | 14.8 | 95.6 | 0.5 | 8.72 | 23.1 | 10780 |
| | 08/06/02 | - | **120** | 97 | 23 | 150 | 1.6 | 7.71 | 22.4 | 8900 |
| | 01/15/03 | - | **110** | 53 | 30 | 130 | 1.5 | 8.51 | 23.2 | 9160 |
| | 10/14/03 | - | **93** | 34 | 32 | 62 | 0.82 | 8.23 | 20.8 | 8217 |
| | 05/27/04 | - | **80** | 69 | 28 | 97 | 1.60 | 8.32 | 20.4 | 7640 |
| | 11/11/04 | - | **54** | 50 | 19 | 64 | 1.50 | 8.47 | 20.2 | 6480 |
| | 04/13/05 | - | **110** | 210 | 22 | 210 | - | - | - | - |
| | 11/30/05 | - | **41** | 46 | 9.1 | 54 | 1.14 | 8.53 | 20.7 | 6131 |
| | 05/08/06 | - | **49** | 63 | < 5 | 54 | 0.99 | 8.66 | 21.8 | 6628 |
| | 12/12/06 | - | **21** | 19 | 2.9 | 24 | 0.81 | 8.92 | 20.8 | 6219 |
| | 06/19/07 | - | **46** | 56 | 23 | 67 | 0.71 | 8.70 | 22.6 | 6313 |
| | 12/06/07 | - | **27** | 39 | 3.7 | 46 | 0.85 | **9.15** | 20.8 | 6429 |
| | 05/22/08 | - | **40** | 75 | 5.5 | 87 | 1.12 | 8.71 | 21.3 | 5424 |

# Table 2. Summary of Groundwater Analyses
## Organics and Field Measured Parameters
## TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| MW-6 | 12/07/94 | - | < 2 | 3 | < 2 | < 6 | - | 8.51 | - | - |
| | 05/31/95 | - | **28** | 26 | 4 | 57 | - | **9.20** | - | - |
| | 12/12/95 | - | **18** | 11 | 3 | 33 | - | **9.13** | 21.6 | 6150 |
| | 02/20/96 | 277 | **16** | 12 | 6 | 48 | - | **9.04** | 21.7 | 6000 |
| | 05/16/96 | 618 | **24** | 26 | 10 | 74 | - | **9.09** | 28.4 | 7880 |
| | 08/14/96 | 27100 | **24** | 23 | < 20 | 80 | < 1 | 8.79 | 23.1 | 6590 |
| | 11/14/96 | - | **38** | 31 | 11 | 43 | < 1 | 8.62 | 21.9 | - |
| | 02/08/97 | - | **24** | 22 | 11 | 75 | < 1 | **9.67** | 17.4 | 8700 |
| | 08/09/97 | - | **68** | 58 | 28 | 150 | 0 | **9.14** | 24.0 | 8470 |
| | 02/25/98 | - | **26.1** | 25.0 | 13.7 | 107.0 | 0.1 | **9.06** | 18.4 | 7390 |
| | 08/04/98 | - | **29** | 22 | 24 | 120 | 1.9 | **9.01** | 24.3 | 8540 |
| | 02/10/99 | - | **32** | 37 | 15 | 140 | - | - | - | - |
| | 08/10/99 | - | **110** | 68 | 110 | 360 | 1.5 | **9.02** | 21.5 | 8060 |
| | 02/14/00 | - | **29** | 18 | 32 | 100 | 1.1 | **9.28** | 20.6 | 8890 |
| dup (MW-14) | 02/14/00 | - | **22** | 9.0 | 30 | 85 | - | - | - | - |
| | 10/18/00 | - | **26.8** | 20.1 | 26.2 | 92.7 | 1.0 | 8.98 | 21.0 | 8980 |
| | 02/15/01 | - | **27.9** | 18.8 | 31.0 | 98.5 | 0.6 | **9.03** | 21.0 | 7230 |
| dup (MW-17) | 02/15/01 | - | **21.7** | 10.6 | 28.1 | 87.6 | - | - | - | - |
| | 08/09/01 | - | **29.8** | 21 | 27.2 | 87.28 | 1.1 | **9.08** | 20.8 | 6820 |
| | 03/17/02 | - | **24.9** | 14.7 | 16.2 | 59.8 | 0.5 | **9.42** | 22.4 | 9010 |
| | 08/06/02 | - | **32** | 18 | 23 | 77 | 2.1 | 8.05 | 21.7 | 6560 |
| | 01/15/03 | - | **33** | 20 | 29 | 81 | 0.5 | **9.36** | 22.6 | 7770 |
| | 10/14/03 | - | **36** | 19 | 30 | 89 | 0.82 | **9.26** | 20.1 | 7011 |
| | 05/27/04 | - | **42** | 34 | 27 | 76 | 1.5 | **9.53** | 19.8 | 7170 |
| | 11/11/04 | - | **36** | 19 | 29 | 71 | 1.5 | **9.33** | 18.8 | 5820 |
| | 04/14/05 | - | **34** | 15 | 36 | 65 | - | - | - | - |
| | 11/30/05 | - | **44** | 39 | 27 | 66 | 1.42 | **9.18** | 20.1 | 5241 |
| | 05/09/06 | - | **40** | 40 | 31 | 57 | 1.09 | **9.30** | 21.2 | 5890 |
| | 12/12/06 | - | **39** | 39 | 25 | 58 | 1.20 | **9.45** | 20.2 | 5248 |
| | 06/19/07 | - | **27** | 39 | 4.3 | 47 | 1.54 | **9.58** | 21.7 | 6363 |
| | 12/06/07 | - | **25** | 24 | 23 | 40 | 1.11 | **10.54** | 20.2 | 5934 |
| | 05/22/08 | - | **33** | 36 | 24 | 49 | 0.87 | **9.41** | 21.0 | 5208 |

# Table 2. Summary of Groundwater Analyses
# Organics and Field Measured Parameters
# TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| MW-7 | 12/13/95 | - | < 2 | < 2 | < 2 | < 2 | - | 7.15 | 19.5 | 4580 |
| | 02/20/96 | < 50 | 2 | < 2 | < 2 | < 2 | - | 6.47 | 22.5 | 6310 |
| | 05/15/96 | < 50 | 4 | < 2 | 2 | < 2 | - | 6.57 | 25.9 | 7070 |
| | 08/14/96 | < 50 | 11 | < 2 | < 2 | < 2 | 2 | 6.80 | 22.3 | 5270 |
| | 11/14/96 | - | < 2 | < 2 | < 2 | < 2 | < 1 | 6.79 | 18.7 | - |
| | 02/08/97 | - | < 2 | < 2 | < 2 | < 2 | 1.4 | 6.97 | 15.0 | 5700 |
| | 08/08/97 | - | < 2 | < 2 | < 2 | < 2 | 0.9 | 6.84 | 22.6 | 6650 |
| | 02/24/98 | - | < 5 | < 5 | < 5 | < 5 | 2.0 | 6.79 | 20.3 | 6730 |
| | 08/04/98 | - | < 5 | 5.6 | < 5 | < 5 | 2.3 | 6.80 | 22.8 | 7030 |
| | 08/10/99 | - | < 2 | < 2 | < 2 | < 2 | 2.5 | 6.86 | 21.3 | 6380 |
| | 02/15/00 | - | < 1 | < 1 | 2.0 | 1.1 | 2.1 | 6.87 | 20.4 | 5650 |
| | 10/18/00 | - | 0.702 | < 0.500 | < 0.500 | < 1.00 | 2.1 | 6.67 | 19.9 | 4600 |
| | 02/15/01 | - | 0.514 | < 0.500 | < 0.500 | < 1.00 | 1.5 | 6.83 | 20.9 | 5750 |
| | 08/08/01 | - | < 1 | < 1 | < 1 | < 2 | 1.4 | 6.73 | 20.8 | 5330 |
| | 03/17/02 | - | < 1 | 1.3 | < 1 | < 1 | 1.7 | 6.87 | 22.1 | 5560 |
| | 08/06/02 | - | < 0.50 | < 0.50 | 1.1 | < 0.50 | 2.9 | 6.92 | 22 | 4380 |
| | 01/16/03 | - | 0.69 | < 0.50 | < 0.50 | < 0.50 | 1.4 | 6.67 | 22.6 | 5740 |
| | 10/15/03 | - | 0.62 | < 0.50 | 0.56 | < 0.50 | 1.06 | 6.63 | 20.5 | 5515 |
| | 06/27/04 | - | 0.64 | < 0.50 | 1.1 | 0.63 | 1.66 | 6.72 | 20.7 | 5517 |
| | 11/10/04 | - | 0.54 | < 0.50 | 0.50 | < 0.50 | 1.49 | 6.40 | 20.3 | 4797 |
| | 04/14/05 | - | < 0.50 | < 0.50 | < 0.50 | 0.51 | 1.00 | 6.72 | 19.7 | 5290 |
| | 11/30/05 | - | 0.57 | < 0.50 | 0.50 | < 0.50 | 0.94 | 6.77 | 20.1 | 4582 |
| | 05/09/06 | - | < 1 | < 1 | < 1 | < 1 | 1.26 | 6.66 | 20.7 | 4163 |
| | 12/12/06 | - | < 1 | < 1 | < 1 | < 3 | 1.43 | 6.97 | 19.9 | 4428 |
| | 06/18/07 | - | < 1 | < 1 | < 1 | < 2 | 1.27 | 6.01 | 20.7 | 4696 |
| | 12/05/07 | - | < 1 | < 1 | < 1 | < 2 | 1.80 | - | 20.7 | 3862 |
| | 05/21/08 | - | < 1 | < 1 | < 1 | < 2 | 1.41 | 7.50 | 21.0 | 4370 |

# Table 2. Summary of Groundwater Analyses
# Organics and Field Measured Parameters
# TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| MW-8 | 12/12/95 | - | **227** | 391 | < 200 | 228 | - | 8.76 | 19.7 | 4790 |
| | 02/21/96 | 1630 | **191** | 379 | < 20 | 300 | - | **9.34** | 21.2 | 2920 |
| | 05/16/96 | 1110 | **47** | 94 | 5 | 91 | - | 8.43 | 27.2 | 6870 |
| | 08/14/96 | 45500 | **54** | 110 | < 20 | 93 | < 1 | 8.75 | 23.6 | 2440 |
| | 11/14/96 | - | **110** | 230 | 11 | 160 | < 1 | 8.61 | 21.6 | - |
| | 02/08/97 | - | **98** | 210 | 8 | 130 | 0.4 | **9.57** | 16.9 | 4000 |
| | 08/09/97 | - | **430** | 660 | < 100 | 610 | 0.1 | **9.17** | 24.7 | 5010 |
| | 02/26/98 | - | **248** | 461 | 14.9 | 388.2 | 1.1 | **9.36** | 18.3 | 4130 |
| dup (MW-13) | 02/26/98 | - | **104** | 207 | < 50 | 121 | - | - | - | - |
| | 08/04/98 | - | **200** | 410 | 19 | 340 | 2.6 | **9.14** | 22.5 | 4080 |
| | 02/11/99 | - | **210** | 360 | 15 | 400 | 0.8 | **9.43** | 19.6 | 4480 |
| | 08/11/99 | - | **150** | 290 | 12 | 310 | 0.9 | **9.37** | 21.1 | 4760 |
| dup (MW-13) | 08/11/99 | - | **86** | 110 | 10 | 160 | - | - | - | - |
| | 02/14/00 | - | **150** | 310 | 17 | 280 | 0.6 | **9.39** | 20.6 | 5030 |
| | 10/19/00 | - | **285** | 547 | 27.1 | 512 | 2.2 | **9.38** | 20.1 | 4430 |
| | 02/16/01 | - | **255** | 446 | 21.2 | 425 | 0.0 | **9.51** | 20.8 | 6640 |
| | 08/09/01 | - | **239** | 430 | 24.5 | 442 | 1.0 | **9.66** | 20.9 | 4260 |
| | 03/17/02 | - | **229** | 345 | < 20 | 306 | 0.0 | **9.35** | 22.4 | 8050 |
| dup (MW-24) | 03/17/02 | - | **174** | 262 | < 20 | 216 | - | - | - | - |
| | 08/06/02 | - | **120** | 290 | 49 | 210 | 0.0 | **9.26** | 23.3 | 5990 |
| dup (MW-24) | 08/06/02 | - | **150** | 260 | 14 | 280 | - | - | - | - |
| | 01/16/03 | - | **140** | 270 | 12 | 270 | 0.0 | **9.26** | 22.5 | 6500 |
| | 10/15/03 | - | **180** | 340 | 20 | 320 | 0.45 | **9.32** | 20.62 | 7704 |
| | 05/27/04 | - | **190** | 340 | 24 | 360 | 0.9 | **9.34** | 20.6 | 3960 |
| | 11/11/04 | - | **140** | 240 | 14 | 250 | 0.6 | **9.59** | 20.0 | 3850 |
| | 04/14/05 | - | **270** | 200 | 29 | 450 | - | - | - | - |
| | 12/01/05 | - | **140** | 200 | 13 | 230 | 1.07 | **9.51** | 19.4 | 3590 |
| dup (SVE-14) | 12/01/05 | - | **170** | 240 | 17 | 280 | - | - | - | - |
| | 05/09/06 | - | **160** | 350 | < 5 | 240 | 1.33 | **9.58** | 21.3 | 3824 |
| | 12/12/06 | - | **160** | 330 | 14 | 310 | 0.89 | **9.67** | 19.9 | 4040 |
| | 06/19/07 | - | **260** | 290 | 25 | 460 | 0.58 | **9.19** | 21.2 | 6189 |
| | 12/06/07 | - | **230** | 380 | 23 | 430 | 0.60 | **10.34** | 20.2 | 5676 |
| dup (MW-19) | 12/06/07 | - | **180** | 290 | 16 | 300 | - | - | - | - |
| | 05/21/08 | - | **140** | 240 | 12 | 260 | 0.78 | **9.25** | 21.1 | 4534 |

# Table 2. Summary of Groundwater Analyses
## Organics and Field Measured Parameters
## TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| MW-9 | 12/12/95 | - | **< 200** | 241 | < 200 | 383 | - | 7.17 | 23.2 | 14520 |
| | 02/21/96 | 2540 | **331** | 662 | < 200 | < 200 | - | - | - | - |
| | 05/16/96 | 42100 | **460** | 450 | < 200 | **1650** | - | 6.93 | 30.1 | 17580 |
| | 08/14/96 | 46200 | **250** | 340 | < 50 | **800** | - | - | 26.8 | 11640 |
| | 11/14/96 | - | **240** | 410 | 28 | **780** | < 1 | 8.72 | 23.2 | - |
| | 02/08/97 | - | **250** | 480 | < 100 | **930** | < 1 | 7.50 | 18.9 | 17700 |
| | 08/09/97 | - | **490** | **810** | < 100 | **1100** | 1.3 | 7.20 | 25.9 | 17080 |
| | 02/25/98 | - | **251** | 693 | < 50 | **845** | 0 | 7.21 | 19.4 | 19960 |
| | 08/04/98 | - | **190** | 460 | 28 | **680** | 1.2 | 7.31 | 22.3 | - |
| | 02/11/99 | - | **230** | 510 | 25 | 580 | 1.2 | 7.25 | 20.1 | 17460 |
| dup (MW-13) | 02/11/99 | - | **240** | 520 | 25 | **640** | - | - | - | - |
| | 08/11/99 | - | **210** | 430 | 20 | 560 | 2.3 | 7.34 | 21.5 | 16650 |
| | 02/14/00 | - | **190** | 280 | 32 | **670** | 1.8 | 7.35 | 21.1 | 16600 |
| | 10/19/00 | - | **240** | 108 | 28.9 | **711** | 2.3 | 7.38 | 20.9 | 14880 |
| dup (MW-14) | 10/19/00 | - | **223** | 142 | 31.8 | **759** | - | - | - | - |
| | 02/15/01 | - | **176** | 85.9 | 25.7 | **638** | 1.4 | 7.41 | 20.9 | 16150 |
| dup (MW-16) | 02/15/01 | - | **186** | 84.4 | 28.5 | **673** | - | - | - | - |
| | 08/09/01 | - | **176** | 50.8 | 22.8 | 534 | 1.0 | 7.29 | 21.3 | 15180 |
| | 03/17/02 | - | **197** | < 100 | < 100 | 466 | 0.6 | 7.27 | 22.8 | 17130 |
| | 08/06/02 | - | **220** | 45 | 53 | 530 | 1.6 | 7.20 | 21.4 | 14810 |
| | 01/16/03 | - | **260** | 94 | 23 | **700** | 0.6 | 7.25 | 22.8 | 16050 |
| | 10/15/03 | - | **240** | 200 | 32 | **690** | 1.08 | 7.27 | 21.3 | 15490 |
| dup (MW-24) | 10/15/03 | - | **250** | 160 | 32 | **700** | - | - | - | - |
| | 05/27/04 | - | **250** | 110 | 34 | **660** | 0.8 | 7.10 | 20.6 | 14600 |
| dup (MW-17) | 05/27/04 | - | **250** | 77 | 33 | **650** | - | - | - | - |
| | 11/11/04 | - | **270** | 81 | 28 | **670** | 1.3 | 7.20 | 18.8 | 12540 |
| | 04/14/05 | - | **220** | 140 | 22 | **610** | - | - | - | - |
| | 12/01/05 | - | **280** | 78 | 27 | **770** | 1.51 | 7.50 | 19.5 | 11970 |
| | 05/09/06 | - | **410** | 180 | 58 | **1100** | 1.00 | 7.41 | 21.4 | 12370 |
| dup (MW-19) | 05/09/06 | - | **530** | 140 | 59 | **1400** | - | - | - | - |
| | 12/12/06 | - | **410** | 120 | 32 | **1200** | 0.80 | 7.67 | 20.0 | 12140 |
| | 06/19/07 | - | **290** | 110 | 30 | **860** | 0.69 | 8.24 | 22.1 | 12910 |
| | 12/06/07 | - | **340** | 15 | 28 | **850** | 1.44 | 7.53 | 20.2 | 12180 |
| | 05/21/08 | - | **230** | 83 | 24 | **740** | 0.95 | 7.85 | 21.9 | 11960 |
| dup (MW-19) | 05/21/08 | - | **220** | 83 | 23 | **730** | - | - | - | - |

# Table 2. Summary of Groundwater Analyses
# Organics and Field Measured Parameters
# TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| MW-10 | 01/09/98 | - | **49** | 37 | 4.3 | 71 | - | - | - | - |
| | 02/25/98 | - | **60.3** | 46.3 | < 5 | 79.1 | 0.7 | 6.74 | 18.7 | 953 |
| | 08/04/98 | - | **56** | 39 | 5.4 | 85 | 3.0 | 6.81 | 23.8 | 11040 |
| | 02/11/99 | - | **56** | 24 | 5 | 89 | 0.9 | 6.87 | 16.7 | 9860 |
| | 08/11/99 | - | **33** | 7 | 3 | 32 | 1.5 | 6.88 | 20.8 | 9320 |
| | 02/15/00 | - | **46** | 9.0 | 4.5 | 32 | 1.7 | 6.88 | 20.5 | 9600 |
| | 10/19/00 | - | **21.9** | 2.7 | 1.57 | 16.1 | 2.0 | 6.85 | 20.4 | 9060 |
| | 02/15/01 | - | **18.7** | 2.18 | 1.28 | 18.8 | 1.4 | 6.89 | 21.1 | 10200 |
| dup (MW-15) | 02/15/01 | - | **16.2** | 1.83 | 1.09 | 16.0 | - | - | - | - |
| | 08/09/01 | - | **17.8** | 2.21 | 1.22 | 16.49 | 1.0 | 6.85 | 20.5 | 10060 |
| dup (MW-14) | 08/09/01 | - | **17.2** | 2.17 | 1.21 | 16.52 | - | - | - | - |
| | 03/16/02 | - | **35.4** | 7.00 | < 0.5 | 26.9 | 1.0 | 6.93 | 21.8 | 11550 |
| | 08/06/02 | - | **23** | 2.7 | 2.4 | 31 | 0.8 | 6.94 | 23.3 | 11600 |
| | 01/16/03 | - | **20** | 4.1 | 2.4 | 36 | 1.2 | 6.89 | 22.0 | 11790 |
| | 10/14/03 | - | **22** | 3.2 | 3.5 | 22 | 2.14 | 6.82 | 20.7 | 11850 |
| | 05/27/04 | - | **25** | 4.5 | 4.5 | 46 | 0.9 | 6.89 | 20.5 | 11450 |
| | 11/11/04 | - | **30** | 4.1 | 4.5 | 53 | 1.04 | 7.21 | 19.6 | 11520 |
| | 04/13/05 | - | **26** | 3.2 | 3.1 | 33 | - | - | - | - |
| | 12/01/05 | - | **34** | 3.5 | 3.9 | 45 | 0.89 | 7.03 | 19.2 | 10060 |
| | 05/09/06 | - | **33** | < 1 | < 1 | 48 | 1.16 | 6.93 | 20.3 | 10580 |
| | 12/12/06 | - | **34** | < 1 | < 1 | 51 | 1.22 | 6.81 | 19.8 | 10400 |
| | 06/19/07 | - | **34** | 1.6 | 4.5 | 52 | 1.03 | 6.85 | 20.7 | 10850 |
| | 12/06/07 | - | **40** | 3.6 | 5.9 | 85 | 1.11 | 6.75 | 20.0 | 10350 |
| | 05/21/08 | - | **36** | 2.0 | 5.3 | 69 | 1.43 | 7.64 | 20.9 | 9611 |

# Table 2. Summary of Groundwater Analyses
# Organics and Field Measured Parameters
# TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| MW-11 | 01/10/98 | - | **360** | 320 | 19 | 490 | - | - | - | - |
| | 02/25/98 | - | **466** | 439 | 23.7 | 570 | 2.1 | 6.61 | 18.7 | 13670 |
| | 08/04/98 | - | **490** | 590 | 32 | **650** | 3.2 | 6.67 | 21.3 | 14570 |
| | 02/11/99 | - | **610** | 610 | 31 | **670** | 2.2 | 6.65 | 19.7 | 15560 |
| | 08/11/99 | - | **430** | 370 | 30 | **640** | 2.1 | 6.71 | 21.1 | 14950 |
| | 02/14/00 | - | **440** | 280 | 38 | **620** | 2.9 | 6.76 | 20.7 | 14730 |
| | 10/19/00 | - | **453** | 197 | 29.1 | **652** | 2.6 | 6.81 | 20.5 | 13470 |
| | 02/16/01 | - | **505** | 165 | 26.3 | **686** | 1.7 | 6.74 | 20.9 | 14090 |
| dup (MW-14) | 02/16/01 | - | **559** | 155 | 30.5 | **753** | - | - | - | - |
| | 08/09/01 | - | **190** | 80.3 | 13.7 | 290.7 | 1.6 | 6.78 | 20.8 | 12950 |
| | 03/17/02 | - | **436** | 60.3 | < 50 | 428 | 1.8 | 6.84 | 22.1 | 13650 |
| | 08/06/02 | - | **420** | 41 | 55 | 520 | 1.0 | 6.85 | 23.2 | 13430 |
| | 01/16/03 | - | **380** | 48 | 19 | 400 | 1.7 | 6.76 | 22.5 | 13250 |
| dup (MW-24) | 01/16/03 | - | **360** | 62 | 25 | 500 | - | - | - | - |
| | 10/14/03 | - | **420** | 44 | 31 | 570 | 1.94 | 6.84 | 20.4 | 13210 |
| | 05/27/04 | - | **360** | 50 | 33 | 550 | 2.37 | 6.80 | 19.7 | 14900 |
| | 11/11/04 | - | **470** | 40 | 32 | **650** | 2.07 | 7.11 | 19.6 | 11930 |
| dup (MW-19) | 11/11/04 | - | **450** | 39 | 32 | **630** | - | - | - | - |
| | 04/13/05 | - | **420** | 30 | 27 | 570 | - | - | - | - |
| | 11/30/05 | - | **410** | 34 | 28 | 610 | 1.04 | 6.75 | 20.2 | 11550 |
| | 05/09/06 | - | **500** | 64 | 46 | **730** | 2.02 | 6.85 | 20.9 | 11171 |
| | 12/12/06 | - | **630** | 52 | 40 | **940** | 1.20 | 6.66 | 19.4 | 11250 |
| | 06/19/07 | - | **420** | 38 | 30 | **670** | 1.31 | 6.83 | 21.3 | 12200 |
| dup (MW-22) | 06/19/07 | - | **620** | 60 | 46 | **990** | - | - | - | - |
| | 12/06/07 | - | **400** | 32 | 29 | 600 | 1.45 | 6.71 | 20.0 | 10930 |
| dup (MW-22) | 12/06/07 | - | **370** | 27 | 26 | 550 | - | - | - | - |
| | 05/21/08 | - | **460** | 38 | 35 | 840 | 2.0 | 7.48 | 21.0 | 10370 |

# Table 2. Summary of Groundwater Analyses
# Organics and Field Measured Parameters
# TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| MW-12 | 01/10/98 | - | < 0.5 | < 0.5 | < 0.5 | < 0.5 | - | - | - | - |
| | 02/24/98 | - | < 5 | < 5 | < 5 | < 5 | 6.8 | 7.67 | 20.6 | 547 |
| | 08/04/98 | - | < 1 | < 1 | < 1 | < 1 | 7.4 | 7.67 | 21.3 | 617 |
| | 02/10/99 | - | < 1 | < 1 | < 1 | < 1 | 7.5 | 7.61 | 21.3 | 659 |
| | 08/10/99 | - | < 2 | < 2 | < 2 | < 2 | 7.6 | 7.65 | 20.9 | 686 |
| | 02/15/00 | - | < 1 | < 1 | < 1 | < 1 | 6 | 7.64 | 20.6 | 737 |
| | 10/19/00 | - | < 0.500 | < 0.500 | < 0.500 | < 1.00 | 5.4 | 7.55 | 20.3 | 748 |
| | 02/15/01 | - | < 0.500 | < 0.500 | < 0.500 | < 1.00 | 5.1 | 7.60 | 21.0 | 821 |
| | 08/09/01 | - | < 1 | < 1 | < 1 | < 2 | 4.3 | 7.43 | 20.8 | 839 |
| | 03/16/02 | - | < 1 | 13 | < 1 | < 1 | 2.8 | 7.54 | 21.9 | 1030 |
| | 08/06/02 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 2.4 | 7.52 | 23.0 | 1083 |
| | 01/15/03 | - | 0.77 | < 0.50 | < 0.50 | < 0.50 | 2.0 | 7.46 | 22.7 | 1190 |
| | 10/14/03 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 2.43 | 7.29 | 19.7 | 1369 |
| | 05/26/04 | - | 2.9 | < 0.50 | < 0.50 | 1.8 | 2.17 | 7.29 | 21.3 | 1707 |
| | 11/11/04 | - | 4.6 | < 0.50 | < 0.50 | 2.0 | 2.37 | 7.89 | 17.9 | 1506 |
| | 04/13/05 | - | 3.5 | < 0.50 | < 0.50 | 1.3 | - | - | - | - |
| | 11/30/05 | - | 4.4 | < 0.50 | < 0.50 | 1.5 | 1.45 | 7.25 | 20.0 | 1555 |
| | 05/09/06 | - | 3.9 | < 1 | < 1 | < 1 | 2.10 | 7.26 | 20.5 | 1612 |
| | 12/12/06 | - | 3.8 | < 1 | < 1 | < 3 | 2.01 | 6.95 | 19.9 | 1885 |
| | 06/19/07 | - | 3.7 | < 1 | < 1 | < 2 | 1.68 | 6.85 | 20.7 | 1961 |
| | 12/06/07 | - | 3.3 | < 1 | < 1 | < 2 | 1.44 | 6.99 | 19.9 | 1971 |
| | 05/21/08 | - | 2.8 | < 1 | < 1 | < 2 | 1.39 | 7.69 | 20.6 | 1911 |
| MW-13 | 12/15/99 | - | < 1 | < 2 | < 2 | < 4 | - | - | - | - |
| | 02/14/00 | - | < 1 | < 1 | < 1 | 1.3 | 1.8 | 6.83 | 20.4 | 4900 |
| | 10/19/00 | - | < 0.500 | < 0.500 | < 0.500 | < 1.00 | 3.7 | 6.82 | 19.7 | 4620 |
| | 02/15/01 | - | < 0.500 | < 0.500 | < 0.500 | < 1.00 | 1.5 | 6.79 | 21.0 | 5070 |
| | 08/09/01 | - | < 1 | < 1 | < 1 | < 2 | 1.6 | 6.69 | 20.8 | 4820 |
| | 03/16/02 | - | < 1 | < 1 | < 1 | < 1 | 1.4 | 6.79 | 21.0 | 5430 |
| | 08/06/02 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 1.8 | 6.80 | 23.2 | 5300 |
| | 01/15/03 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 1.5 | 6.80 | 22.5 | 5290 |
| | 10/14/03 | - | < 0.50 | < 0.50 | 0.97 | < 0.50 | 1.71 | 6.59 | 20.5 | 5264 |
| | 06/26/04 | - | < 0.50 | < 0.50 | 1.5 | < 0.50 | 1.72 | 6.59 | 21.0 | 5926 |
| | 11/11/04 | - | < 0.50 | < 0.50 | 1.3 | < 0.50 | 1.84 | 7.04 | 19.5 | 4903 |
| | 04/13/05 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | - | - | - | - |
| | 11/30/05 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 0.92 | 6.66 | 20.0 | 4298 |
| | 05/09/06 | - | < 1 | < 1 | 2.0 | < 1 | 1.23 | 6.59 | 20.2 | 4295 |
| | 12/12/06 | - | < 1 | < 1 | < 1 | < 3 | 2.01 | 6.54 | 19.8 | 4352 |
| | 06/19/07 | - | < 1 | < 1 | < 1 | < 2 | 1.12 | 6.28 | 20.7 | 4434 |
| | 12/06/07 | - | < 1 | < 1 | < 1 | < 2 | 1.48 | 6.80 | 19.7 | 4377 |
| | 05/21/08 | | < 1 | < 1 | < 1 | < 2 | 1.55 | 7.51 | 21.0 | 4003 |

# Table 2. Summary of Groundwater Analyses
## Organics and Field Measured Parameters
## TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| MW-14 | 12/14/02 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | - | - | - | - |
| | 01/15/03 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 2.3 | 6.78 | 22.7 | 2780 |
| | 10/14/03 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 2.49 | 6.60 | 20.1 | 2701 |
| | 05/27/04 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 1.1 | 6.68 | 20.5 | 2500 |
| | 11/11/04 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 1.66 | 7.26 | 19.1 | 2558 |
| | 04/13/05 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | - | - | - | - |
| | 11/30/05 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 1.31 | 6.77 | 20.0 | 2185 |
| | 05/09/06 | - | < 1 | < 1 | < 1 | < 1 | 1.85 | 6.68 | 21.6 | 2361 |
| | 12/12/06 | - | < 1 | < 1 | < 1 | < 3 | 2.22 | 6.77 | 19.7 | 2320 |
| | 06/19/07 | - | < 1 | < 1 | < 1 | < 2 | 1.40 | 6.72 | 21.6 | 2415 |
| | 12/06/07 | - | < 1 | < 1 | < 1 | < 2 | 1.50 | 6.52 | 19.8 | 2255 |
| | 05/22/08 | - | < 1 | < 1 | < 1 | < 2 | 1.54 | 7.20 | 20.9 | 1853 |
| MW-15 | 12/14/02 | - | 0.51 | 0.64 | 1.3 | < 0.50 | - | - | - | - |
| | 01/15/03 | - | < 0.50 | < 0.50 | 1.6 | 0.52 | 2.6 | 6.71 | 22.7 | 5750 |
| | 10/14/03 | - | < 0.50 | < 0.50 | 2.5 | < 0.50 | 3.05 | 6.54 | 20.2 | 5540 |
| | 05/26/04 | - | 0.52 | < 0.50 | 2.8 | 1.2 | 2.19 | 6.52 | 21.0 | 6654 |
| | 11/11/04 | - | < 0.50 | < 0.50 | 2.4 | < 0.50 | 1.47 | 6.88 | 19.1 | 5763 |
| | 04/13/05 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | - | - | - | - |
| | 11/30/05 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 1.50 | 6.60 | 20.0 | 4905 |
| | 05/09/06 | - | < 1 | < 1 | 3.1 | < 1 | 2.43 | 6.64 | 20.6 | 4762 |
| | 12/12/06 | - | < 1 | < 1 | < 1 | < 3 | 1.85 | 6.48 | 19.8 | 4895 |
| | 06/19/07 | - | < 1 | < 1 | < 1 | < 2 | 2.53 | 6.46 | 21.4 | 4794 |
| | 12/06/07 | - | < 1 | < 1 | < 1 | < 2 | 1.26 | 6.50 | 20.0 | 4948 |
| | 05/21/08 | - | < 1 | < 1 | < 1 | < 2 | 3.37 | 7.54 | 20.7 | 4254 |
| MW-16 | 12/14/02 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | - | - | - | - |
| | 01/15/03 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 5.7 | 7.52 | 22.4 | 1309 |
| | 10/14/03 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 5.1 | 7.13 | 20.4 | 1423 |
| | 06/26/04 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 5.44 | 7.07 | 20.8 | 1749 |
| | 11/11/04 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 5.25 | 7.55 | 19.2 | 1590 |
| | 04/13/05 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | - | - | - | - |
| | 12/01/05 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 4.55 | 7.19 | 19.5 | 1427 |
| | 05/09/06 | - | < 1 | < 1 | < 1 | < 1 | 5.60 | 7.07 | 20.3 | 1529 |
| | 12/12/06 | - | < 1 | < 1 | < 1 | < 3 | 5.29 | 6.94 | 19.6 | 1618 |
| | 06/19/07 | - | < 1 | < 1 | < 1 | < 2 | 4.90 | 6.82 | 21.2 | 1676 |
| | 12/06/07 | - | < 1 | < 1 | < 1 | < 2 | 4.25 | 7.01 | 19.5 | 1612 |
| | 05/21/08 | | < 1 | < 1 | < 1 | < 2 | 4.36 | 7.74 | 21.0 | 1711 |

# Table 2. Summary of Groundwater Analyses
# Organics and Field Measured Parameters
# TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| Water Well | 05/31/95 | - | < 2 | < 2 | < 2 | < 2 | - | 8.20 | - | - |
| | 12/14/95 | - | < 2 | < 2 | < 2 | < 2 | - | 8.53 | 22.9 | 1160 |
| | 02/21/96 | - | < 2 | < 2 | < 2 | < 2 | - | 9.06 | 23.3 | 1390 |
| | 05/16/96 | < 50 | < 2 | < 2 | < 2 | < 2 | - | 7.52 | 27.3 | 1320 |
| | 08/14/96 | - | < 2 | < 2 | < 2 | < 3 | - | - | - | - |
| | 11/14/96 | - | < 2 | < 2 | < 2 | < 2 | < 1 | 7.52 | - | - |
| | 02/08/97 | - | < 2 | < 2 | < 2 | < 2 | 0.8 | 8.45 | 20.2 | 1200 |
| | 08/09/97 | - | < 2 | < 2 | < 2 | < 2 | 1.1 | 8.11 | 24.9 | 1338 |
| | 02/26/98 | - | < 5 | < 5 | < 5 | < 5 | 0.8 | 7.56 | 20.6 | 1221 |
| | 08/04/98 | - | < 1 | < 1 | < 1 | < 1 | 1.4 | 8.12 | 22.2 | 1362 |
| | 02/11/99 | - | < 1 | < 1 | < 1 | < 1 | - | - | - | - |
| | 08/11/99 | - | < 2 | < 2 | < 2 | < 2 | - | - | - | - |
| | 02/15/00 | - | < 1 | < 1 | < 1 | < 1 | 0.9 | 8.18 | 22.3 | 1325 |
| | 02/16/01 | - | < 0.500 | < 0.500 | < 0.500 | < 1.00 | - | - | - | - |
| | 08/09/01 | - | < 1 | < 1 | < 1 | < 2 | 5.0 | 8.31 | 27.0 | 1292 |
| | 03/17/02 | - | < 1 | < 1 | < 1 | < 1 | 1.8 | 8.17 | 23.8 | 1310 |
| | 08/06/02 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | - | - | - | - |
| | 01/16/03 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 2.5 | 7.99 | 23.9 | 1310 |
| | 10/15/03 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | - | - | - | - |
| | 05/27/04 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | - | - | - | - |
| | 11/10/04 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | - | - | - | - |
| | 04/13/05 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | - | - | - | - |
| | 11/30/05 | - | < 0.50 | < 0.50 | < 0.50 | < 0.50 | - | - | - | - |
| | 05/08/06 | - | < 1 | < 1 | < 1 | < 1 | - | - | - | - |
| | 12/12/06 | - | < 1 | < 1 | < 1 | < 3 | 1.3 | 7.97 | 20.3 | 1186 |
| | 06/18/07 | - | < 1 | < 1 | < 1 | < 2 | 3.5 | 6.90 | 22.6 | 1388 |
| | 12/05/07 | - | < 1 | < 1 | < 1 | < 2 | 4.3 | - | 22.2 | 1221 |
| | 05/20/08 | - | < 1 | < 1 | < 1 | < 2 | 1.7 | 8.15 | 22.6 | 1359 |

# Table 2. Summary of Groundwater Analyses
# Organics and Field Measured Parameters
# TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| SVE-2 | 12/13/95 | - | **< 200** | 231 | < 200 | 202 | < 1 | **9.50** | 21.4 | 5820 |
| | 02/20/96 | < 500 | **133** | 191 | < 2 | 72 | 2 | **9.05** | 22.0 | 4750 |
| | 10/17/00 | - | 1.72 | < 0.500 | < 0.500 | 3.19 | 1.8 | 7.28 | 21.9 | 3190 |
| | 02/16/01 | - | 1.76 | 1.12 | < 0.500 | 4.16 | 0.8 | 7.74 | 23.8 | 3930 |
| | 08/08/01 | - | 1.62 | < 1 | < 1 | < 2 | 1.3 | 7.37 | 23.1 | 2870 |
| | 03/17/02 | - | 1.1 | 1.5 | < 1 | < 1 | 1.2 | 7.52 | 24.4 | 3750 |
| | 08/06/02 | - | 2.8 | 2.9 | < 0.50 | 0.51 | 1.2 | 7.31 | 24.3 | 3630 |
| | 01/15/03 | - | 0.89 | 0.79 | < 0.50 | 0.66 | 0.6 | 7.51 | 25.2 | 3670 |
| | 10/15/03 | - | 2.7 | 1.2 | < 0.50 | 0.94 | 0.9 | 9.13 | 23.3 | 5777 |
| | 05/27/04 | - | 6.0 | 4.0 | < 0.50 | 2.2 | 1.76 | 7.20 | 22.1 | 3241 |
| | 11/10/04 | - | 0.88 | < 0.50 | < 0.50 | < 0.50 | 1.2 | 7.92 | 22.7 | 3795 |
| | 04/13/05 | - | **39** | 59 | 1.2 | 13 | 1.3 | 7.79 | 23.0 | 2990 |
| | 11/30/05 | - | 1.1 | < 0.50 | < 0.50 | < 0.50 | 0.77 | 7.35 | 22.4 | 2360 |
| | 05/09/06 | - | 2.4 | 1.1 | < 1 | < 3 | 1.25 | 7.24 | 23.0 | 2454 |
| | 12/13/06 | - | 1.1 | < 1 | < 1 | < 3 | 1.13 | 7.04 | 22.2 | 1988 |
| | 06/20/07 | - | 5.1 | 2.1 | < 1 | < 2 | 1.06 | 7.36 | 22.7 | 2099 |
| | 12/05/07 | - | 2.6 | < 1 | < 1 | < 2 | 1.38 | - | 22.2 | 1970 |
| | 05/20/08 | - | **50** | 61 | < 1 | 19 | 1.73 | 8.05 | 22.6 | 1987 |
| SVE-5 | 10/18/00 | - | **754** | **2010** | 158 | **3150** | - | - | - | - |
| | 02/16/01 | - | **166** | 508 | 48.4 | **1210** | - | - | - | - |
| | 08/08/01 | - | **917** | **2590** | 114 | **3228** | - | - | - | - |
| | 03/16/02 | - | **1110** | **1770** | < 200 | **1920** | - | - | - | - |
| | 08/06/02 | - | **300** | **1100** | 80 | **1400** | 0.2 | 8.59 | 24.6 | 16000 |
| | 01/14/03 | - | **570** | **1800** | 130 | **2900** | - | - | - | - |
| | 10/15/03 | - | **700** | **2500** | 150 | **4700** | - | - | - | - |
| | 05/26/04 | - | **550** | **1700** | 110 | **1900** | 0.8 | **9.72** | 24.3 | 16150 |
| | 11/11/04 | - | **580** | **1800** | 96 | **2000** | 1.2 | **9.80** | 21.3 | 12180 |
| | 04/13/05 | - | **370** | **1100** | 63 | **1400** | 1.3 | **9.69** | 23.4 | 15740 |
| | 11/30/05 | - | **250** | 580 | 51 | **1000** | 1.46 | **9.55** | 22.5 | 12880 |
| | 05/09/06 | - | **1000** | 670 | < 20 | **3000** | 1.15 | **9.36** | 23.8 | 11410 |
| | 12/13/06 | - | **250** | 700 | < 50 | **960** | 1.12 | **10.01** | 22.2 | 16490 |
| | 06/19/07 | - | **400** | **1100** | 66 | **1500** | 1.27 | **10.15** | 23.2 | 17060 |
| dup (MW-19) | 06/19/07 | - | **420** | **1200** | 72 | **1500** | - | - | - | - |
| | 12/05/07 | - | **560** | **1600** | 84 | **1900** | 1.20 | - | 22.2 | 15700 |
| | 05/20/08 | - | **640** | **1800** | 86 | **2100** | 1.31 | **9.55** | 23.0 | 14430 |
| dup (MW-22) | 05/20/08 | - | **550** | **1800** | 74 | **1700** | - | - | - | - |

# Table 2. Summary of Groundwater Analyses
# Organics and Field Measured Parameters
# TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| SVE-6 | 10/18/00 | - | **125** | 322 | 28.3 | **652** | - | - | - | - |
| | 02/16/01 | - | **143** | 337 | 29.7 | **943** | - | - | - | 6920 |
| | 08/08/01 | - | **102** | 218 | 6.09 | 275.5 | 3.8 | **10.36** | 22.5 | 8040 |
| | 03/16/02 | - | **119** | 264 | < 5 | 256 | 1.1 | **10.42** | 23.8 | 8730 |
| | 08/05/02 | - | **230** | 710 | 87 | 470 | 4.6 | 8.46 | 23.1 | 8210 |
| | 01/15/03 | - | **180** | 440 | 65 | 380 | 1.0 | **10.42** | 24.1 | 13920 |
| | 10/15/03 | - | **57** | 140 | 11 | 92 | 3.22 | **9.53** | 22.5 | 9851 |
| | 05/26/04 | - | **81** | 200 | 17 | 190 | 1.6 | **9.60** | 23.1 | 9150 |
| | 11/11/04 | - | **230** | 570 | 35 | 420 | 2.24 | **9.82** | 20.7 | 7250 |
| | 04/13/05 | - | **100** | 250 | 12 | 200 | 0.80 | **10.19** | 22.2 | 8900 |
| | 11/30/05 | - | **160** | 340 | 18 | 210 | 1.67 | **9.41** | 20.8 | 7628 |
| | 05/08/06 | - | **420** | **2000** | < 10 | **1000** | 0.91 | **9.82** | 24.2 | 9026 |
| dup (MW-19) | 12/12/06 | - | **260** | 600 | < 10 | 330 | - | - | - | - |
| | 12/12/06 | - | **260** | 610 | < 10 | 330 | 1.12 | 8.80 | 21.5 | 6416 |
| | 06/19/07 | - | **300** | **750** | 16 | 470 | 1.60 | **9.57** | 23.5 | 8817 |
| | 12/05/07 | - | **200** | 450 | < 10 | 260 | 1.91 | - | 21.3 | 10000 |
| | 05/20/08 | - | **170** | 370 | < 10 | 170 | 1.36 | **9.43** | 22.0 | 8473 |
| SVE-7 | 10/17/00 | - | 6.16 | 0.936 | < 0.500 | 2.01 | 2.3 | 7.95 | 22.1 | 8170 |
| | 02/16/01 | - | 7.66 | 0.851 | < 0.500 | 1.98 | - | 8.13 | 20.9 | 8020 |
| | 08/08/01 | - | **22.6** | 3.99 | 1.43 | 13.61 | 4.5 | 7.93 | 21.8 | 9950 |
| | 03/16/02 | - | 8.3 | < 5 | < 5 | < 5 | 0.9 | 7.95 | 23.7 | 12680 |
| | 08/05/02 | - | 3.4 | < 0.50 | < 0.50 | < 0.50 | 2.9 | 7.37 | 22.6 | 6240 |
| | 01/15/03 | - | 4.1 | < 0.50 | < 0.50 | < 0.50 | 2.7 | 8.16 | 22.4 | 6310 |
| | 10/15/03 | - | 4.7 | < 0.50 | < 0.50 | 1.3 | 1.48 | 7.78 | 22.4 | 8076 |
| | 05/27/04 | - | 7.0 | 0.75 | < 0.50 | 1.8 | 1.8 | 7.84 | 22.0 | 7070 |
| | 11/10/04 | - | 3.0 | < 0.50 | < 0.50 | < 0.50 | 1.21 | 7.80 | 21.6 | 9294 |
| | 04/13/05 | - | **14** | 1.2 | 0.53 | 3.9 | 1.80 | 7.80 | 22.1 | 6320 |
| | 11/30/05 | - | **21** | 3.9 | 0.74 | 8.0 | 1.43 | 7.76 | 21.8 | 5567 |
| | 05/10/06 | - | 6.8 | < 1 | < 1 | < 3 | 1.71 | 7.62 | 21.8 | 6604 |
| | 12/13/06 | - | **16** | 1.0 | < 1 | < 3 | 2.06 | 7.59 | 21.4 | 6034 |
| | 06/20/07 | - | 5.7 | < 1 | < 1 | < 2 | 0.96 | 7.53 | 22.0 | 7339 |
| | 12/05/07 | - | 2.8 | < 1 | < 1 | < 2 | 1.43 | - | 21.3 | 5703 |
| | 05/22/08 | - | 4.3 | < 1 | < 1 | < 2 | 1.06 | 8.40 | 21.6 | 5979 |

# Table 2. Summary of Groundwater Analyses
# Organics and Field Measured Parameters
# TW Bell Lake Gas Plant

| Well | Sampling Date | TPH (ug/L) | BTEX (ug/L) | | | | Field Measured Parameters | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Benzene | Toluene | Ethylbenzene | Total xylenes | DO (mg/L) | pH (units) | Temp. (C) | Conductivity (uS/cm) |
| NMWQCC Standard | | none | 10 | 750 | 750 | 620 | none | 6-9 | none | none |
| SVE-11 | 10/18/00 | - | **552** | **1680** | 47.0 | **920** | 4.2 | **10.22** | 21.2 | 19500 |
| | 02/16/01 | - | **497** | **1670** | 83.6 | **1180** | - | - | 20.7 | 14540 |
| | 08/08/01 | - | **468** | **1780** | 53.1 | **1123** | 3.2 | **10.12** | 21.9 | 15840 |
| | 03/16/02 | - | **721** | **1410** | < 200 | **897** | 0.0 | **10.21** | 23.7 | 1672 |
| | 08/06/02 | - | **530** | **1800** | 100 | **1100** | 0.5 | **9.24** | 23.2 | 13510 |
| | 01/15/03 | - | **170** | 540 | 36 | 340 | - | - | - | - |
| | 10/15/03 | - | **280** | **1100** | 41 | **670** | 1.06 | **10.11** | 22.4 | 13770 |
| | 05/27/04 | - | **520** | **1600** | 77 | **1100** | 0.5 | **10.20** | 22.8 | 11890 |
| | 11/11/04 | - | **580** | **1800** | 82 | **1600** | 1.2 | **10.30** | 20.5 | 11470 |
| | 04/14/05 | - | **460** | **1400** | 57 | **960** | 1.1 | **10.18** | 21.3 | 15250 |
| | 11/30/05 | - | **550** | **1700** | 74 | **1200** | 1.01 | **10.14** | 21.6 | 11440 |
| | 05/09/06 | - | **600** | **2000** | < 20 | **870** | - | - | - | - |
| dup (MW-22) | 05/09/06 | - | **570** | **1900** | < 20 | **840** | - | - | - | - |
| | 12/13/06 | - | **500** | **1500** | < 50 | **1100** | 0.99 | **10.45** | 21.8 | 12730 |
| | 06/19/07 | - | **310** | **980** | 34 | **710** | 0.42 | **10.20** | 22.1 | 12660 |
| | 12/05/07 | - | **560** | **1600** | 63 | **1300** | 0.72 | - | 22.7 | 11190 |
| | 05/22/08 | - | **500** | **1500** | 54 | **1200** | 1.85 | **11.47** | 22.0 | 9949 |

Notes:
Values exceeding NMWQCC standards are shown in bold type
TPH - Total Petroleum Hydrocarbons by Method 8015 mod (gasoline fraction)

# Table 3. Summary of Groundwater Analyses - Inorganics
## TW Bell Lake Gas Plant

| Well | Sampling Date | TDS (mg/L) | Alk., total (mg/L) | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Chloride | Sulfate | Sulfite | N-Nitrate | N-Nitrite | Calcium | Magnesium | Potassium | Sodium | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Mercury | Manganese | Selenium | Silver | Zinc |
| NMWQCC Standard | | 1000 | none | 250 | 600 | none | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.002 | 0.2 | 0.05 | 0.05 | 10 |
| MW-1 | 12/07/94 | 7100 | - | - | 140 | - | .06[a] | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 05/31/95 | 5800 | 1290 | 2620 | 78.3 | 2.0 | 0.37 | 0.04 | 62.7 | 114 | 12.6 | 1400 | 0.07 | 0.32 | < 0.01 | < 0.01 | < 0.01 | 0.73 | < 0.03 | < 0.0002 | 0.28 | < 0.04 | < 0.01 | < 0.03 |
| | 12/14/95 | 5640 | - | 2500 | 176 | 3.0 | 30 | 0.02 | 34.3 | 75.8 | 9.48 | 2400 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/21/96 | 5050 | - | 2450 | 155 | < 0.50 | < 0.05 | 0.04 | 35.8 | 112 | 11.7 | 1550 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/08/97 | 5610 | - | 2350 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/09/97 | 5090 | - | 2050 | - | - | - | - | - | - | - | - | < 0.03 | 0.30 | < 0.01 | < 0.01 | 0.01 | 1.7 | < 0.03 | < 0.0002 | 0.10 | < 0.04 | < 0.01 | 0.12 |
| | 02/25/98 | 5700 | - | 2140 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/03/98 | 3600 | - | 2215 | - | - | - | - | - | - | - | - | < 0.1 | 0.184 | 0.005 | < 0.01 | < 0.01 | 0.10 | < 0.05 | < 0.0002 | 0.063 | < 0.1 | < 0.01 | < 0.02 |
| | 02/10/99 | 5250 | - | 2100 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/10/99 | 6670 | - | 2600 | - | - | - | - | - | - | - | - | 0.085 | 0.159 | < 0.002 | < 0.005 | < 0.002 | 0.053 | < 0.025 | < 0.0002 | 0.017 | < 0.02 | < 0.003 | < 0.01 |
| | 10/17/00 | 4470 | - | 1790 | - | - | - | - | - | - | - | - | 0.0845 | 0.211 | - | - | - | - | - | - | 0.0770 | - | - | - |
| | 08/08/01 | 4650 | - | 1830 | - | - | - | - | - | - | - | - | 0.0952 | 0.195 | - | - | - | - | - | - | 0.0535 | - | - | - |
| | 08/05/02 | 4000 | - | 1500 | - | - | - | - | - | - | - | - | 0.058 | 0.18 | - | - | - | - | - | - | 0.059 | - | - | - |
| | 01/14/03 | 4300 | - | 1500 | - | - | - | - | - | - | - | - | 0.068 | 0.19 | - | - | - | - | - | - | 0.091 | - | - | - |
| | 06/26/04 | 5600 | - | 1600 | - | - | - | - | - | - | - | - | 0.10 | 0.14 | - | - | - | - | - | - | 0.044 | - | - | - |
| | 04/13/05 | 4700 | - | 1600 | - | - | - | - | - | - | - | - | 0.12 | 0.14 | - | - | - | - | - | - | 0.043 | - | - | - |
| | 05/10/06 | 3900 | - | 1400 | - | - | - | - | - | - | - | - | 0.086 | 0.13 | - | - | - | - | - | - | 0.043 | - | - | - |
| | 06/20/07 | 3000 | - | 1000 | - | - | - | - | - | - | - | - | 0.095 | 0.23 | - | - | - | - | - | - | 0.052 | - | - | - |
| | 05/20/08 | 2900 | - | 970 | - | - | - | - | - | - | - | - | 0.075 | 0.17 | - | - | - | - | - | - | 0.068 | - | - | - |

# Table 3. Summary of Groundwater Analyses - Inorganics
## TW Bell Lake Gas Plant

| Well | Sampling Date | TDS (mg/L) | Alk., total (mg/L) | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Chloride | Sulfate | Sulfite | N-Nitrate | N-Nitrite | Calcium | Magnesium | Potassium | Sodium | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Mercury | Manganese | Selenium | Silver | Zinc |
| NMWQCC Standard | | 1000 | none | 250 | 600 | none | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.002 | 0.2 | 0.05 | 0.05 | 10 |
| MW-2 | 10/19/93 | **9200** | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 12/07/94 | **2600** | - | - | 51 | - | <0.05[a] | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 05/31/95 | **1500** | 445 | **512** | 73.6 | 0.50 | < 0.10 | 0.01 | 79.8 | 43.1 | 5.4 | 195 | 0.06 | 0.22 | < 0.01 | < 0.01 | 0.02 | **3.7** | < 0.03 | < 0.0002 | **0.67** | < 0.04 | < 0.01 | 0.04 |
| | 12/14/95 | **1420** | - | **470** | 89 | < 1 | **10** | 0.02 | 132 | 46.2 | 5.89 | 3060 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/20/96 | 940 | - | 214 | 95.5 | < 0.50 | < 0.05 | < 0.01 | 85.7 | 44.8 | 5.75 | 216 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/08/97 | **1040** | - | **325** | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/08/97 | 986 | - | **280** | - | - | - | - | - | - | - | - | < 0.03 | 0.44 | < 0.01 | < 0.01 | < 0.01 | **2.3** | < 0.03 | < 0.0002 | **0.38** | < 0.04 | < 0.01 | 0.03 |
| | 02/25/98 | **1020** | - | **353** | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/03/98 | **1000** | - | **500** | - | - | - | - | - | - | - | - | < 0.1 | 0.231 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.0002 | **0.339** | < 0.1 | < 0.01 | < 0.02 |
| | 02/10/99 | **2830** | - | **1300** | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/10/99 | **1750** | - | **730** | - | - | - | - | - | - | - | - | 0.056 | 0.280 | < 0.002 | < 0.005 | < 0.002 | < 0.01 | < 0.025 | < 0.0002 | **0.232** | < 0.02 | < 0.003 | < 0.01 |
| | 10/17/00 | 996 | - | **299** | - | - | - | - | - | - | - | - | 0.0573 | 0.370 | - | - | - | - | - | - | **0.254** | - | - | - |
| | 08/08/01 | **1170** | - | **445** | - | - | - | - | - | - | - | - | 0.0863 | 0.327 | - | - | - | - | - | - | 0.194 | - | - | - |
| | 08/05/02 | **1400** | - | **550** | - | - | - | - | - | - | - | - | **0.12** | 0.41 | - | - | - | - | - | - | 0.18 | - | - | - |
| | 01/14/03 | **1500** | - | **560** | - | - | - | - | - | - | - | - | 0.089 | 0.38 | - | - | - | - | - | - | **0.28** | - | - | - |
| | 05/26/04 | **1500** | - | **570** | - | - | - | - | - | - | - | - | 0.074 | 0.37 | - | - | - | - | - | - | **0.21** | - | - | - |
| | 04/13/05 | **2500** | - | **1100** | - | - | - | - | - | - | - | - | < 0.20 | 0.45 | - | - | - | - | - | - | 0.15 | - | - | - |
| | 05/10/06 | 880 | - | **270** | - | - | - | - | - | - | - | - | 0.089 | 0.58 | - | - | - | - | - | - | **0.22** | - | - | - |
| | 06/20/07 | **1100** | - | **440** | - | - | - | - | - | - | - | - | **0.11** | 0.35 | - | - | - | - | - | - | 0.19 | - | - | - |
| | 05/22/08 | **720** | - | **180** | - | - | - | - | - | - | - | - | 0.071 | 0.35 | - | - | - | - | - | - | **0.24** | - | - | - |
| MW-3 | 10/20/93 | **1500** | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 12/07/94 | 320 | - | - | 31 | - | 3.6[a] | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 05/31/95 | 380 | 210 | 14.5 | 43.4 | 0.50 | 3.3 | < 0.01 | 54.7 | 17.6 | 7.1 | 20.5 | < 0.03 | 0.21 | < 0.01 | < 0.01 | < 0.01 | 0.22 | < 0.03 | < 0.0002 | < 0.01 | < 0.04 | < 0.01 | < 0.03 |
| | 12/14/95 | 334 | - | 17.0 | 35 | < 1.0 | 6.7 | 0.01 | 68 | 15.8 | 6.69 | 20.6 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/20/96 | 346 | - | 20.0 | 32.1 | < 0.50 | 2.92 | < 0.01 | 64.9 | 19.6 | 7.6 | 67.4 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/08/97 | 368 | - | 15 | - | - | - | - | - | - | - | - | - | -- | - | - | - | - | - | - | - | - | - | - |
| | 08/09/97 | 380 | - | 10 | - | - | - | - | - | - | - | - | < 0.03 | 0.21 | < 0.01 | < 0.01 | < 0.01 | **1.0** | < 0.03 | < 0.0002 | 0.03 | < 0.04 | < 0.01 | 0.06 |
| | 02/25/98 | 330 | - | 13.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/03/98 | 200 | - | 15.0 | - | - | - | - | - | - | - | - | < 0.1 | 0.184 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.0002 | < 0.005 | < 0.1 | < 0.01 | < 0.02 |

# Table 3. Summary of Groundwater Analyses - Inorganics
## TW Bell Lake Gas Plant

| Well | Sampling Date | TDS (mg/L) | Alk., total (mg/L) | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Chloride | Sulfate | Sulfite | N-Nitrate | N-Nitrite | Calcium | Magnesium | Potassium | Sodium | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Mercury | Manganese | Selenium | Silver | Zinc |
| NMWQCC Standard | | 1000 | none | 250 | 600 | none | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.002 | 0.2 | 0.05 | 0.05 | 10 |
| MW-4 | 12/07/94 | 4700 | - | - | 70 | - | <0.05[a] | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 05/31/95 | 5200 | 2180 | 1700 | 104 | 17.5 | < 0.10 | < 0.01 | < 0.10 | 0.76 | 4.9 | 1650 | 0.33 | 0.23 | < 0.01 | < 0.01 | < 0.01 | 0.11 | < 0.03 | < 0.0002 | 0.03 | < 0.04 | < 0.01 | < 0.03 |
| | 12/13/95 | 6600 | - | 1900 | 90 | 21.0 | 103 | < 0.01 | 74.2 | 4.25 | 6.15 | 1880 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/21/96 | 3450 | - | 1010 | 35.7 | 20.0 | < 0.05 | < 0.01 | 10.6 | 2.02 | 4.84 | 1210 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/08/97 | 4380 | - | 1110 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| MW-5 | 12/07/94 | 9500 | - | - | 49 | - | <0.05[a] | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 05/31/95 | 7400 | 1690 | 4070 | 12.4 | 4.5 | < 0.10 | 0.01 | 4.8 | 2.0 | 13.8 | 2690 | 0.14 | 0.88 | < 0.01 | < 0.01 | 0.01 | 0.13 | < 0.03 | < 0.0002 | 0.02 | < 0.04 | < 0.01 | < 0.03 |
| | 12/12/95 | 7580 | - | 3650 | 24 | 3.0 | 53 | 0.06 | 6.13 | 1.98 | 11.8 | 2590 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/21/96 | 8050 | - | 4050 | 17.9 | < 0.50 | < 0.05 | 1.45 | 22.2 | 2.79 | 12.6 | 3100 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/08/97 | 6980 | - | 3300 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/09/97 | 8370 | - | 1450 | - | - | - | - | - | - | - | - | < 0.03 | 0.94 | < 0.01 | < 0.01 | < 0.01 | 0.93 | < 0.03 | < 0.0002 | 0.01 | < 0.04 | < 0.01 | 0.29 |
| | 02/25/98 | 7300 | - | 3480 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/04/98 | 6800 | - | 3330 | - | - | - | - | - | - | - | - | 0.2 | 0.960 | < 0.005 | < 0.01 | < 0.01 | 0.05 | < 0.05 | < 0.0002 | 0.014 | < 0.1 | < 0.01 | < 0.02 |
| | 02/11/99 | 7860 | - | 3200 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/10/99 | 6850 | - | 2900 | - | - | - | - | - | - | - | - | 0.15 | 0.946 | < 0.002 | < 0.005 | < 0.002 | 0.033 | < 0.025 | < 0.0002 | 0.010 | < 0.02 | < 0.003 | < 0.01 |
| | 10/18/00 | 6580 | - | 2720 | - | - | - | - | - | - | - | - | 0.137 | 0.907 | - | - | - | - | - | - | 0.0320 | - | - | - |
| | 08/09/01 | 5750 | - | 2660 | - | - | - | - | - | - | - | - | 0.0929 | 1.21 | - | - | - | - | - | - | 0.0162 | - | - | - |
| | 08/06/02 | 5300 | - | 2300 | - | - | - | - | - | - | - | - | 0.12 | 0.9 | - | - | - | - | - | - | 0.033 | - | - | - |
| | 01/15/03 | 6400 | - | 2400 | - | - | - | - | - | - | - | - | 0.078 | 1.0 | - | - | - | - | - | - | 0.027 | - | - | - |
| | 05/27/04 | 4400 | - | 1600 | - | - | - | - | - | - | - | - | 0.10 | 0.81 | - | - | - | - | - | - | 0.022 | - | - | - |
| | 04/13/05 | 4400 | - | 1800 | - | - | - | - | - | - | - | - | 0.08 | 0.78 | - | - | - | - | - | - | 0.041 | - | - | - |
| | 05/09/06 | 4500 | - | 1600 | - | - | - | - | - | - | - | - | 0.14 | 0.41 | - | - | - | - | - | - | 0.029 | - | - | - |
| | 06/19/07 | 3600 | - | 1600 | - | - | - | - | - | - | - | - | 0.15 | 0.30 | - | - | - | - | - | - | 0.0034 | - | - | - |
| | 05/22/08 | 4200 | - | 1200 | - | - | - | - | - | - | - | - | 0.20 | 0.16 | - | - | - | - | - | - | 0.015 | - | - | - |

# Table 3. Summary of Groundwater Analyses - Inorganics
## TW Bell Lake Gas Plant

| Well | Sampling Date | TDS (mg/L) | Alk., total (mg/L) | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Chloride | Sulfate | Sulfite | N-Nitrate | N-Nitrite | Calcium | Magnesium | Potassium | Sodium | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Mercury | Manganese | Selenium | Silver | Zinc |
| NMWQCC Standard | | 1000 | none | 250 | 600 | none | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.002 | 0.2 | 0.05 | 0.05 | 10 |
| MW-6 | 12/07/94 | 4700 | - | - | 150 | - | <0.05[a] | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 05/31/95 | 5400 | 1070 | 2670 | 78.3 | 2.5 | 0.59 | 0.04 | 11.1 | 4.6 | 14.4 | 1320 | 0.33 | 0.36 | < 0.01 | < 0.01 | < 0.01 | 0.25 | < 0.03 | < 0.0002 | 0.04 | < 0.04 | < 0.01 | < 0.03 |
| | 12/12/95 | 4770 | - | 2500 | 92 | 2.0 | 44.2 | 0.03 | 68.8 | 11.8 | 17 | 1560 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/20/96 | 4830 | - | 2500 | 85.9 | < 0.50 | < 0.05 | < 0.01 | 26.6 | 10.5 | 18.1 | 1500 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/08/97 | 4050 | - | 2200 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/09/97 | 5040 | - | 2220 | - | - | - | - | - | - | - | - | 0.39 | 0.57 | < 0.01 | < 0.01 | < 0.01 | 0.98 | < 0.03 | < 0.0002 | 0.03 | < 0.04 | < 0.01 | < 0.03 |
| | 02/25/98 | 5280 | - | 2540 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/04/98 | 4200 | - | 2450 | - | - | - | - | - | - | - | - | 0.4 | 0.548 | < 0.005 | < 0.01 | < 0.01 | 0.04 | < 0.05 | < 0.0002 | 0.007 | < 0.1 | < 0.01 | < 0.02 |
| | 02/10/99 | 5050 | - | 2500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/10/99 | 5120 | - | 2500 | - | - | - | - | - | - | - | - | 0.365 | 0.496 | < 0.002 | < 0.005 | < 0.002 | 0.016 | < 0.025 | < 0.0002 | < 0.005 | < 0.02 | < 0.003 | < 0.01 |
| | 10/18/00 | 4540 | - | 2240 | - | - | - | - | - | - | - | - | 0.258 | 0.603 | - | - | - | - | - | - | 0.0600 | - | - | - |
| | 08/09/01 | 4210 | - | 2100 | - | - | - | - | - | - | - | - | 0.262 | 0.555 | - | - | - | - | - | - | < 0.01 | - | - | - |
| | 08/06/02 | 3900 | - | 1800 | - | - | - | - | - | - | - | - | 0.26 | 0.51 | - | - | - | - | - | - | 0.0047 | - | - | - |
| | 01/15/03 | 4200 | - | 1700 | - | - | - | - | - | - | - | - | 0.38 | 0.40 | - | - | - | - | - | - | 0.0041 | - | - | - |
| | 05/27/04 | 3800 | - | 1600 | - | - | - | - | - | - | - | - | 0.28 | 0.37 | - | - | - | - | - | - | 0.012 | - | - | - |
| | 04/14/05 | 4800 | - | 2100 | - | - | - | - | - | - | - | - | 0.18 | 0.31 | - | - | - | - | - | - | 0.0036 | - | - | - |
| | 05/09/06 | 4500 | - | 1900 | - | - | - | - | - | - | - | - | 0.18 | 0.31 | - | - | - | - | - | - | 0.0046 | - | - | - |
| | 06/19/07 | 3900 | - | 1200 | - | - | - | - | - | - | - | - | 0.17 | 0.20 | - | - | - | - | - | - | 0.017 | - | - | - |
| | 05/22/08 | 3400 | - | 1400 | - | - | - | - | - | - | - | - | 0.20 | 0.27 | - | - | - | - | - | - | 0.0050 | - | - | - |
| MW-7 | 12/13/95 | 4040 | - | 2150 | 88 | 2.0 | 17.5 | 0.023 | 419 | 155 | 31.2 | 954 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/20/96 | 4490 | - | 2500 | 60.9 | < 0.50 | < 0.05 | < 0.01 | 499 | 193 | 29.3 | 745 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/08/97 | 4350 | - | 2100 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/08/97 | 6260 | - | 2200 | - | - | - | - | - | - | - | - | < 0.03 | 1.5 | < 0.01 | < 0.01 | 0.04 | 3.1 | < 0.03 | < 0.0002 | 6.7 | 0.19 | < 0.01 | 0.15 |
| | 02/24/98 | 4470 | - | 1810 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/04/98 | 3400 | - | 1950 | - | - | - | - | - | - | - | - | < 0.01 | 0.968 | < 0.005 | < 0.01 | < 0.01 | 0.11 | < 0.05 | < 0.0002 | 4.86 | < 0.1 | < 0.01 | < 0.02 |
| | 08/10/99 | 3900 | - | 1800 | - | - | - | - | - | - | - | - | < 0.02 | 0.854 | < 0.002 | < 0.005 | 0.0051 | < 0.01 | < 0.025 | < 0.0002 | 4.10 | < 0.02 | < 0.003 | 0.021 |
| | 10/18/00 | 3930 | - | 1730 | - | - | - | - | - | - | - | - | 0.0171 | 1.06 | - | - | - | - | - | - | 4.54 | - | - | - |
| | 08/08/01 | 4130 | - | 1450 | - | - | - | - | - | - | - | - | < 0.05 | 0.828 | - | - | - | - | - | - | 3.87 | - | - | - |
| | 08/06/02 | 3300 | - | 1100 | - | - | - | - | - | - | - | - | < 0.010 | 0.87 | - | - | - | - | - | - | 4.0 | - | - | - |
| | 01/16/03 | 3300 | - | 1200 | - | - | - | - | - | - | - | - | < 0.010 | 0.77 | - | - | - | - | - | - | 4.2 | - | - | - |
| | 05/27/04 | 4000 | - | 1400 | - | - | - | - | - | - | - | - | < 0.020 | 0.88 | - | - | - | - | - | - | 4.0 | - | - | - |
| | 04/14/05 | 2900 | - | 930 | - | - | - | - | - | - | - | - | < 0.020 | 0.91 | - | - | - | - | - | - | 4.4 | - | - | - |
| | 05/09/06 | 3300 | - | 1200 | - | - | - | - | - | - | - | - | 0.037 | 0.45 | - | - | - | - | - | - | 2.2 | - | - | - |
| | 06/18/07 | 3100 | - | 980 | - | - | - | - | - | - | - | - | < 0.020 | 0.39 | - | - | - | - | - | - | 2.2 | - | - | - |
| | 05/21/08 | 3100 | - | 790 | - | - | - | - | - | - | - | - | < 0.020 | 0.40 | - | - | - | - | - | - | 2.6 | - | - | - |

# Table 3. Summary of Groundwater Analyses - Inorganics
## TW Bell Lake Gas Plant

| Well | Sampling Date | TDS (mg/L) | Alk., total (mg/L) | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Chloride | Sulfate | Sulfite | N-Nitrate | N-Nitrite | Calcium | Magnesium | Potassium | Sodium | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Mercury | Manganese | Selenium | Silver | Zinc |
| NMWQCC Standard | | 1000 | none | 250 | 600 | none | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.002 | 0.2 | 0.05 | 0.05 | 10 |
| MW-8 | 12/12/95 | 2840 | - | 1140 | 71 | 2.0 | 24.5 | 0.07 | 66.3 | 13 | 15.8 | 979 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/21/96 | 2530 | - | 790 | 10.2 | < 0.50 | < 0.05 | < 0.01 | 50.4 | 13.2 | 14.5 | 873 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/08/97 | 3050 | - | 825 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/09/97 | 4910 | - | 1420 | - | - | - | - | - | - | - | - | 0.29 | 0.63 | < 0.01 | < 0.01 | 0.02 | 4.2 | < 0.03 | < 0.0002 | 0.10 | < 0.04 | < 0.01 | 0.90 |
| | 02/26/98 | 2730 | - | 800 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| dup (MW-13) | 02/26/98 | 2950 | - | 887 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/04/98 | 2600 | - | 960 | - | - | - | - | - | - | - | - | 0.3 | 0.481 | < 0.005 | < 0.01 | < 0.01 | 0.29 | < 0.05 | < 0.0002 | 0.019 | < 0.1 | < 0.01 | < 0.02 |
| | 02/11/99 | 3670 | - | 1000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/11/99 | 3580 | - | 930 | - | - | - | - | - | - | - | - | 0.352 | 0.430 | < 0.002 | < 0.005 | < 0.002 | 0.268 | < 0.025 | < 0.0002 | 0.0062 | < 0.02 | < 0.003 | < 0.01 |
| dup (MW-13) | 08/11/99 | 3530 | - | 980 | - | - | - | - | - | - | - | - | 0.365 | 0.467 | < 0.002 | < 0.005 | < 0.002 | 0.293 | < 0.025 | < 0.0002 | 0.0060 | < 0.02 | < 0.003 | < 0.01 |
| | 10/19/00 | 3540 | - | 865 | - | - | - | - | - | - | - | - | 0.277 | 0.520 | - | - | - | - | - | - | 0.0320 | - | - | - |
| | 08/09/01 | 4010 | - | 969 | - | - | - | - | - | - | - | - | 0.321 | 0.339 | - | - | - | - | - | - | < 0.01 | - | - | - |
| | 08/06/02 | 3700 | - | 670 | - | - | - | - | - | - | - | - | 0.31 | 0.58 | - | - | - | - | - | - | 0.0077 | - | - | - |
| dup (MW-24) | 08/06/02 | 4200 | - | 830 | - | - | - | - | - | - | - | - | 0.29 | 0.55 | - | - | - | - | - | - | 0.0052 | - | - | - |
| | 01/16/03 | 3700 | - | 1000 | - | - | - | - | - | - | - | - | 0.33 | 0.58 | - | - | - | - | - | - | 0.0070 | - | - | - |
| | 05/27/04 | 2500 | - | 550 | - | - | - | - | - | - | - | - | 0.28 | 0.41 | - | - | - | - | - | - | 0.0049 | - | - | - |
| | 04/14/05 | 4200 | - | 1100 | - | - | - | - | - | - | - | - | 0.28 | 0.37 | - | - | - | - | - | - | 0.0053 | - | - | - |
| | 05/09/06 | 2500 | - | 520 | - | - | - | - | - | - | - | - | 0.21 | 0.39 | - | - | - | - | - | - | 0.0052 | - | - | - |
| | 06/19/07 | 2500 | - | 610 | - | - | - | - | - | - | - | - | 0.20 | 0.32 | - | - | - | - | - | - | 0.0034 | - | - | - |
| | 05/21/08 | 2000 | - | 500 | - | - | - | - | - | - | - | - | 0.21 | 0.33 | - | - | - | - | - | - | 0.0067 | - | - | - |

# Table 3. Summary of Groundwater Analyses - Inorganics
## TW Bell Lake Gas Plant

| Well | Sampling Date | TDS (mg/L) | Alk., total (mg/L) | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Chloride | Sulfate | Sulfite | N-Nitrate | N-Nitrite | Calcium | Magnesium | Potassium | Sodium | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Mercury | Manganese | Selenium | Silver | Zinc |
| NMWQCC Standard | | 1000 | none | 250 | 600 | none | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.002 | 0.2 | 0.05 | 0.05 | 10 |
| MW-9 | 12/12/95 | 11700 | - | 4500 | 7 | 3.0 | 38.3 | < 0.01 | 388 | 168 | 32 | 3030 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/21/96 | 11000 | - | 4200 | < 5.0 | < 0.50 | < 0.05 | 0.02 | 201 | 118 | 28.9 | 3740 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/08/97 | 10800 | - | 4750 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/09/97 | 11400 | - | 4450 | - | - | - | - | - | - | - | - | < 0.03 | 14.7 | < 0.01 | < 0.01 | < 0.01 | 4.8 | < 0.03 | < 0.0002 | 0.18 | 0.20 | < 0.01 | 0.20 |
| | 02/25/98 | 10900 | - | 5730 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/04/98 | 10900 | - | 4960 | - | - | - | - | - | - | - | - | 0.03 | 10.3 | < 0.005 | < 0.01 | < 0.01 | 0.30 | < 0.05 | < 0.0002 | 0.107 | < 0.1 | < 0.01 | < 0.02 |
| dup (MW-13) | 02/11/99 | 10500 | - | 3400 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/11/99 | 10700 | - | 4600 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/11/99 | 10400 | - | 4600 | - | - | - | - | - | - | - | - | 0.200 | 7.82 | < 0.002 | < 0.005 | < 0.002 | 0.075 | < 0.025 | < 0.0002 | 0.0579 | < 0.02 | < 0.003 | < 0.01 |
| | 10/19/00 | 9750 | - | 4100 | - | - | - | - | - | - | - | - | 0.275 | 9.11 | - | - | - | - | - | - | 0.4400 | - | - | - |
| dup (MW-14) | 10/19/00 | 9800 | - | 4530 | - | - | - | - | - | - | - | - | 0.239 | 9.11 | - | - | - | - | - | - | 0.0550 | - | - | - |
| | 08/09/01 | 10200 | - | 4850 | - | - | - | - | - | - | - | - | 0.232 | 8.48 | - | - | - | - | - | - | 0.0131 | - | - | - |
| | 08/06/02 | 9800 | - | 4500 | - | - | - | - | - | - | - | - | 0.38 | 8.5 | - | - | - | - | - | - | 0.011 | - | - | - |
| | 01/16/03 | 9100 | - | 4000 | - | - | - | - | - | - | - | - | 0.30 | 10 | - | - | - | - | - | - | 0.011 | - | - | - |
| | 05/27/04 | 8800 | - | 3300 | - | - | - | - | - | - | - | - | 0.36 | 8.5 | - | - | - | - | - | - | 0.011 | - | - | - |
| dup (MW-17) | 05/27/04 | 9100 | - | 3300 | - | - | - | - | - | - | - | - | 0.28 | 8.8 | - | - | - | - | - | - | 0.0089 | - | - | - |
| | 04/14/05 | 9200 | - | 3900 | - | - | - | - | - | - | - | - | 0.40 | 8.4 | - | - | - | - | - | - | 0.015 | - | - | - |
| | 05/09/06 | 8700 | - | 4200 | - | - | - | - | - | - | - | - | 0.40 | 7.9 | - | - | - | - | - | - | < 0.02 | - | - | - |
| dup (MW-19) | 05/09/06 | 8600 | - | 3500 | - | - | - | - | - | - | - | - | 0.46 | 7.9 | - | - | - | - | - | - | < 0.02 | - | - | - |
| | 06/19/07 | 8000 | - | 3200 | - | - | - | - | - | - | - | - | 0.48 | 6.8 | - | - | - | - | - | - | 0.020 | - | - | - |
| | 05/21/08 | 7000 | - | 2800 | - | - | - | - | - | - | - | - | 0.49 | 6.1 | - | - | - | - | - | - | 0.022 | - | - | - |
| dup (MW-19) | 05/21/08 | 7300 | - | 2900 | - | - | - | - | - | - | - | - | 0.53 | 6.1 | - | - | - | - | - | - | 0.023 | - | - | - |

# Table 3. Summary of Groundwater Analyses - Inorganics
## TW Bell Lake Gas Plant

| Well | Sampling Date | TDS (mg/L) | Alk., total (mg/L) | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Chloride | Sulfate | Sulfite | N-Nitrate | N-Nitrite | Calcium | Magnesium | Potassium | Sodium | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Mercury | Manganese | Selenium | Silver | Zinc |
| NMWQCC Standard | | 1000 | none | 250 | 600 | none | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.002 | 0.2 | 0.05 | 0.05 | 10 |
| MW-10 | 01/09/98 | 5930 | - | 3600 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/25/98 | 9150 | - | 3860 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/04/98 | 6200 | - | 3690 | - | - | - | - | - | - | - | - | < 0.1 | 19.3 | < 0.005 | < 0.01 | < 0.01 | 30.3 | < 0.05 | < 0.0002 | 11.3 | < 0.1 | < 0.01 | < 0.02 |
| | 02/11/99 | 5710 | - | 2900 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/11/99 | 5220 | - | 3000 | - | - | - | - | - | - | - | - | 0.040 | 11.3 | < 0.002 | < 0.005 | < 0.002 | 0.012 | < 0.025 | < 0.0002 | 4.37 | < 0.02 | < 0.003 | < 0.01 |
| | 10/19/00 | 6240 | - | 3480 | - | - | - | - | - | - | - | - | 0.0874 | 12.9 | - | - | - | - | - | - | 3.85 | - | - | - |
| | 08/09/01 | 9390 | - | 3620 | - | - | - | - | - | - | - | - | 0.0583 | 10.5 | - | - | - | - | - | - | 2.45 | - | - | - |
| dup (MW-14) | 08/09/01 | 9710 | - | 3770 | - | - | - | - | - | - | - | - | 0.0614 | 10.9 | - | - | - | - | - | - | 2.52 | - | - | - |
| | 08/06/02 | 6900 | - | 2400 | - | - | - | - | - | - | - | - | 0.061 | 16 | - | - | - | - | - | - | 1.9 | - | - | - |
| | 01/16/03 | 6400 | - | 3800 | - | - | - | - | - | - | - | - | 0.19 | 18 | - | - | - | - | - | - | 2.1 | - | - | - |
| | 05/27/04 | 6900 | - | 3600 | - | - | - | - | - | - | - | - | 0.16 | 17 | - | - | - | - | - | - | 1.3 | - | - | - |
| | 05/13/05 | 6600 | - | 3800 | - | - | - | - | - | - | - | - | 0.23 | 17 | - | - | - | - | - | - | 1.6 | - | - | - |
| | 05/09/06 | 7500 | - | 3100 | - | - | - | - | - | - | - | - | 0.23 | 17 | - | - | - | - | - | - | 1.1 | - | - | - |
| | 06/19/07 | 7600 | - | 3900 | - | - | - | - | - | - | - | - | 0.19 | 17 | - | - | - | - | - | - | 1.5 | - | - | - |
| | 05/21/08 | 7300 | - | 3700 | - | - | - | - | - | - | - | - | 0.20 | 16 | - | - | - | - | - | - | 1.6 | - | - | - |
| MW-11 | 01/10/98 | 6760 | - | 3500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/25/98 | 10800 | - | 4650 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/04/98 | 9400 | - | 5140 | - | - | - | - | - | - | - | - | 0.5 | 10.0 | < 0.005 | < 0.01 | < 0.01 | 21.1 | < 0.05 | < 0.0002 | 3.54 | < 0.1 | < 0.01 | < 0.02 |
| | 02/11/99 | 9620 | - | 4600 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/10/99 | 9090 | - | 4900 | - | - | - | - | - | - | - | - | 0.404 | 8.25 | < 0.002 | < 0.005 | < 0.002 | 0.267 | < 0.025 | < 0.0002 | 1.47 | < 0.02 | < 0.003 | < 0.01 |
| | 10/19/00 | 8960 | - | 3060 | - | - | - | - | - | - | - | - | 0.466 | 10.6 | - | - | - | - | - | - | 1.86 | - | - | - |
| | 08/09/01 | 11100 | - | 4630 | - | - | - | - | - | - | - | - | 0.326 | 7.19 | - | - | - | - | - | - | 1.47 | - | - | - |
| | 08/06/02 | 8300 | - | 2600 | - | - | - | - | - | - | - | - | 0.40 | 6.8 | - | - | - | - | - | - | 1.4 | - | - | - |
| | 01/16/03 | 7800 | - | 4100 | - | - | - | - | - | - | - | - | 0.49 | 7.9 | - | - | - | - | - | - | 1.8 | - | - | - |
| dup (MW-24) | 01/16/03 | 7600 | - | 3400 | - | - | - | - | - | - | - | - | 0.57 | 7.5 | - | - | - | - | - | - | 1.9 | - | - | - |
| | 05/27/04 | 7900 | - | 3900 | - | - | - | - | - | - | - | - | 0.54 | 5.9 | - | - | - | - | - | - | 1.4 | - | - | - |
| | 04/13/05 | 7900 | - | 4400 | - | - | - | - | - | - | - | - | 0.81 | 5.6 | - | - | - | - | - | - | 1.2 | - | - | - |
| | 05/09/06 | 8300 | - | 3800 | - | - | - | - | - | - | - | - | 0.65 | 4.8 | - | - | - | - | - | - | 1.6 | - | - | - |
| | 06/19/07 | 7800 | - | 3900 | - | - | - | - | - | - | - | - | 0.68 | 4.9 | - | - | - | - | - | - | 1.7 | - | - | - |
| dup (MW-22) | 06/19/07 | 7800 | - | 4100 | - | - | - | - | - | - | - | - | 0.67 | 4.9 | - | - | - | - | - | - | 1.7 | - | - | - |
| | 05/21/08 | 7800 | - | 3800 | - | - | - | - | - | - | - | - | 0.78 | 4.6 | - | - | - | - | - | - | 1.4 | - | - | - |

# Table 3. Summary of Groundwater Analyses - Inorganics
# TW Bell Lake Gas Plant

| Well | Sampling Date | TDS (mg/L) | Alk., total (mg/L) | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Chloride | Sulfate | Sulfite | N-Nitrate | N-Nitrite | Calcium | Magnesium | Potassium | Sodium | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Mercury | Manganese | Selenium | Silver | Zinc |
| NMWQCC Standard | | 1000 | none | 250 | 600 | none | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.002 | 0.2 | 0.05 | 0.05 | 10 |
| MW-12 | 01/10/98 | 413 | - | 180 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/24/98 | 362 | - | 77.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/04/98 | 340 | - | 80 | - | - | - | - | - | - | - | - | < 0.1 | 0.176 | < 0.005 | < 0.01 | < 0.01 | < 0.02 | < 0.05 | < 0.0002 | < 0.005 | < 0.1 | < 0.01 | < 0.02 |
| | 02/10/99 | 390 | - | 93 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/10/99 | 400 | - | 110 | - | - | - | - | - | - | - | - | < 0.02 | 0.194 | < 0.002 | < 0.005 | < 0.002 | < 0.01 | < 0.025 | < 0.0002 | < 0.005 | < 0.02 | < 0.003 | < 0.01 |
| | 10/19/00 | 508 | - | 156 | - | - | - | - | - | - | - | - | 0.00628 | 0.280 | - | - | - | - | - | - | **6.54** | - | - | - |
| | 08/09/01 | 816 | - | 171 | - | - | - | - | - | - | - | - | < 0.05 | 0.273 | - | - | - | - | - | - | < 0.01 | - | - | - |
| | 08/06/02 | 710 | - | 230 | - | - | - | - | - | - | - | - | 0.025 | 0.33 | - | - | - | - | - | - | < 0.0020 | - | - | - |
| | 01/15/03 | 720 | - | **250** | - | - | - | - | - | - | - | - | 0.013 | 0.37 | - | - | - | - | - | - | 0.0074 | - | - | - |
| | 05/26/04 | 840 | - | **300** | - | - | - | - | - | - | - | - | < 0.020 | 0.41 | - | - | - | - | - | - | 0.0053 | - | - | - |
| | 04/13/05 | 860 | - | **390** | - | - | - | - | - | - | - | - | < 0.020 | 0.47 | - | - | - | - | - | - | 0.011 | - | - | - |
| | 05/09/06 | **1200** | - | **460** | - | - | - | - | - | - | - | - | < 0.020 | 0.50 | - | - | - | - | - | - | 0.020 | - | - | - |
| | 06/19/07 | **1300** | - | **610** | - | - | - | - | - | - | - | - | < 0.020 | 0.61 | - | - | - | - | - | - | 0.068 | - | - | - |
| | 05/21/08 | **1500** | - | **650** | - | - | - | - | - | - | - | - | < 0.020 | 0.67 | - | - | - | - | - | - | 0.085 | - | - | - |
| MW-13 | 12/15/99 | **2700** | - | **1600** | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 10/19/00 | **3320** | - | **1540** | - | - | - | - | - | - | - | - | 0.00878 | **1.76** | - | - | - | - | - | - | **0.238** | - | - | - |
| | 08/09/01 | **5450** | - | **1590** | - | - | - | - | - | - | - | - | < 0.05 | **1.41** | - | - | - | - | - | - | 0.0693 | - | - | - |
| | 08/06/02 | **3600** | - | **1000** | - | - | - | - | - | - | - | - | 0.075 | 1.1 | - | - | - | - | - | - | 0.11 | - | - | - |
| | 01/15/03 | **3100** | - | **1500** | - | - | - | - | - | - | - | - | < 0.010 | **1.1** | - | - | - | - | - | - | 0.17 | - | - | - |
| | 05/26/04 | **3200** | - | **1600** | - | - | - | - | - | - | - | - | < 0.020 | 0.95 | - | - | - | - | - | - | **0.22** | - | - | - |
| | 04/13/05 | **2900** | - | **1500** | - | - | - | - | - | - | - | - | < 0.020 | **1.0** | - | - | - | - | - | - | **0.34** | - | - | - |
| | 05/09/06 | **3300** | - | **1400** | - | - | - | - | - | - | - | - | < 0.020 | **1.0** | - | - | - | - | - | - | **0.41** | - | - | - |
| | 06/19/07 | **3200** | - | **1500** | - | - | - | - | - | - | - | - | < 0.020 | **1.3** | - | - | - | - | - | - | **0.47** | - | - | - |
| | 05/21/08 | **3300** | - | **1700** | - | - | - | - | - | - | - | - | < 0.020 | 1.2 | - | - | - | - | - | - | **0.88** | - | - | - |
| MW-14 | 12/14/02 | **1900** | 460 | 140 | 210 | - | 150[a] | - | 290 | 96 | 22 | 110 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 01/05/03 | **2100** | - | 150 | - | - | - | - | - | - | - | - | < 0.010 | 0.12 | - | - | - | - | - | - | 0.15 | - | - | - |
| | 05/27/04 | **1900** | - | 150 | - | - | - | - | - | - | - | - | < 0.020 | 0.095 | - | - | - | - | - | - | 0.11 | - | - | - |
| | 04/13/05 | **1800** | - | 160 | - | - | - | - | - | - | - | - | < 0.020 | 0.097 | - | - | - | - | - | - | 0.11 | - | - | - |
| | 05/09/06 | **1900** | - | 170 | - | - | - | - | - | - | - | - | < 0.020 | 0.870 | - | - | - | - | - | - | 0.10 | - | - | - |
| | 06/19/07 | **1900** | - | 160 | - | - | - | - | - | - | - | - | < 0.020 | 0.11 | - | - | - | - | - | - | 0.16 | - | - | - |
| | 05/22/08 | **1800** | - | 140 | - | - | - | - | - | - | - | - | < 0.020 | 0.11 | - | - | - | - | - | - | 0.18 | - | - | - |

# Table 3. Summary of Groundwater Analyses - Inorganics
## TW Bell Lake Gas Plant

| Well | Sampling Date | TDS (mg/L) | Alk., total (mg/L) | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Chloride | Sulfate | Sulfite | N-Nitrate | N-Nitrite | Calcium | Magnesium | Potassium | Sodium | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Mercury | Manganese | Selenium | Silver | Zinc |
| NMWQCC Standard | | 1000 | none | 250 | 600 | none | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.002 | 0.2 | 0.05 | 0.05 | 10 |
| MW-15 | 12/14/02 | 3400 | 420 | 1600 | 87 | - | <1.0[a] | - | 490 | 200 | 37 | 390 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 01/15/03 | 3400 | - | 1600 | - | - | - | - | - | - | - | - | < 0.010 | 0.94 | - | - | - | - | - | - | 5.4 | - | - | - |
| | 05/26/04 | 3600 | - | 1600 | - | - | - | - | - | - | - | - | < 0.020 | 0.71 | - | - | - | - | - | - | 4.8 | - | - | - |
| | 04/13/05 | 3300 | - | 1700 | - | - | - | - | - | - | - | - | < 0.020 | 0.46 | - | - | - | - | - | - | 4.7 | - | - | - |
| | 05/09/06 | 3800 | - | 1600 | - | - | - | - | - | - | - | - | < 0.020 | 0.53 | - | - | - | - | - | - | 4.5 | - | - | - |
| | 06/19/07 | 3400 | - | 1600 | - | - | - | - | - | - | - | - | < 0.020 | 0.55 | - | - | - | - | - | - | 4.8 | - | - | - |
| | 05/21/08 | 3600 | - | 1600 | - | - | - | - | - | - | - | - | < 0.020 | 0.52 | - | - | - | - | - | - | 4.8 | - | - | - |
| MW-16 | 12/14/02 | 840 | 160 | 120 | 310 | - | 2.3[a] | - | 72 | 28 | 12 | 170 | - | - | - | - | - | - | - | - | < 0.002 | - | - | - |
| | 01/15/03 | 840 | - | 120 | - | - | - | - | - | - | - | - | < 0.010 | 0.078 | - | - | - | - | - | - | < 0.002 | - | - | - |
| | 05/26/04 | 1000 | - | 150 | - | - | - | - | - | - | - | - | < 0.020 | 0.10 | - | - | - | - | - | - | < 0.002 | - | - | - |
| | 04/13/05 | 1100 | - | 160 | - | - | - | - | - | - | - | - | < 0.020 | 0.09 | - | - | - | - | - | - | < 0.002 | - | - | - |
| | 04/09/06 | 1200 | - | 160 | - | - | - | - | - | - | - | - | < 0.020 | 0.083 | - | - | - | - | - | - | < 0.002 | - | - | - |
| | 06/19/07 | 1300 | - | 180 | - | - | - | - | - | - | - | - | < 0.020 | 0.083 | - | - | - | - | - | - | < 0.002 | - | - | - |
| | 05/21/08 | 1300 | - | 180 | - | - | - | - | - | - | - | - | < 0.020 | 0.081 | - | - | - | - | - | - | < 0.002 | - | - | - |
| Water Well | 05/31/95 | 900 | 144 | 100 | 356 | 0.50 | < 0.10 | < 0.01 | 38.7 | 23.2 | 5.3 | 194 | < 0.03 | 0.02 | < 0.01 | < 0.01 | < 0.01 | 0.39 | < 0.03 | < 0.0002 | 0.01 | < 0.04 | < 0.01 | < 0.03 |
| | 12/14/95 | 825 | - | 106 | 345 | < 1.0 | 1.7 | < 0.01 | 38 | 22.2 | 5.32 | 186 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/21/96 | 402 | - | 107 | 343 | < 0.50 | < 0.05 | < 0.01 | 44.9 | 26.1 | 5.82 | 221 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/08/97 | 854 | - | 109 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/09/97 | 840 | - | 500 | - | - | - | - | - | - | - | - | < 0.03 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.66 | < 0.03 | < 0.0002 | 0.02 | < 0.04 | < 0.01 | 0.19 |
| | 02/26/98 | 850 | - | 102 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/04/98 | 850 | - | 113 | - | - | - | - | - | - | - | - | < 0.1 | 0.020 | < 0.005 | < 0.01 | < 0.01 | 0.05 | < 0.05 | < 0.0002 | 0.015 | < 0.1 | < 0.01 | < 0.02 |
| | 02/11/99 | 850 | - | 110 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 08/11/99 | 830 | - | 110 | - | - | - | - | - | - | - | - | < 0.02 | 0.0238 | < 0.002 | < 0.005 | < 0.002 | 0.018 | < 0.025 | < 0.0002 | 0.014 | < 0.02 | < 0.003 | < 0.01 |
| | 08/09/01 | 966 | - | 113 | - | - | - | - | - | - | - | - | < 0.05 | 0.019 | - | - | - | - | - | - | 0.0146 | - | - | - |
| | 08/06/02 | 790 | - | 99 | - | - | - | - | - | - | - | - | < 0.010 | 0.027 | - | - | - | - | - | - | 0.019 | - | - | - |
| | 01/16/03 | 780 | - | 100 | - | - | - | - | - | - | - | - | < 0.010 | 0.028 | - | - | - | - | - | - | 0.021 | - | - | - |
| | 05/27/04 | 790 | - | 110 | - | - | - | - | - | - | - | - | < 0.020 | 0.022 | - | - | - | - | - | - | 0.014 | - | - | - |
| | 04/13/05 | 840 | - | 120 | - | - | - | - | - | - | - | - | < 0.020 | 0.021 | - | - | - | - | - | - | 0.013 | - | - | - |
| | 05/08/06 | 870 | - | 100 | - | - | - | - | - | - | - | - | < 0.020 | 0.020 | - | - | - | - | - | - | 0.011 | - | - | - |
| | 06/18/07 | 840 | - | 110 | - | - | - | - | - | - | - | - | < 0.020 | 0.022 | - | - | - | - | - | - | 0.013 | - | - | - |
| | 05/20/08 | 820 | - | 98 | - | - | - | - | - | - | - | - | < 0.020 | < 0.020 | - | - | - | - | - | - | 0.0099 | - | - | - |

# Table 3. Summary of Groundwater Analyses - Inorganics
## TW Bell Lake Gas Plant

| Well | Sampling Date | TDS (mg/L) | Alk., total (mg/L) | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Chloride | Sulfate | Sulfite | N-Nitrate | N-Nitrite | Calcium | Magnesium | Potassium | Sodium | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Mercury | Manganese | Selenium | Silver | Zinc |
| NMWQCC Standard | | 1000 | none | 250 | 600 | none | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.002 | 0.2 | 0.05 | 0.05 | 10 |
| SVE-2 | 12/13/95 | 2670 | - | 1500 | 43 | 3.0 | 31.9 | 0.03 | 317 | 25.2 | 26.8 | 1720 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 02/20/96 | 2410 | - | 495 | 33.5 | < 0.50 | < 0.05 | 0.01 | 66.5 | 56.6 | 25 | 1390 | - | - | - | - | - | - | - | - | - | - | - | - |
| | 10/17/00 | 2390 | - | 532 | - | - | - | - | - | - | - | - | 0.0835 | 0.118 | - | - | - | - | - | - | 0.258 | - | - | - |
| | 08/08/01 | 2610 | - | 597 | - | - | - | - | - | - | - | - | 0.0709 | 0.0705 | - | - | - | - | - | - | 0.167 | - | - | - |
| | 08/06/02 | 2700 | - | 610 | - | - | - | - | - | - | - | - | 0.13 | 0.088 | - | - | - | - | - | - | 0.12 | - | - | - |
| | 01/15/03 | 2400 | - | 390 | - | - | - | - | - | - | - | - | 0.15 | 0.090 | - | - | - | - | - | - | 0.25 | - | - | - |
| | 05/27/04 | 2300 | - | 590 | - | - | - | - | - | - | - | - | 0.11 | 0.057 | - | - | - | - | - | - | 0.40 | - | - | - |
| | 04/13/05 | 2200 | - | 530 | - | - | - | - | - | - | - | - | 0.17 | 0.033 | - | - | - | - | - | - | 0.069 | - | - | - |
| | 05/09/06 | 1600 | - | 430 | - | - | - | - | - | - | - | - | 0.10 | 0.047 | - | - | - | - | - | - | 0.49 | - | - | - |
| | 06/20/07 | 1400 | - | 380 | - | - | - | - | - | - | - | - | 0.12 | 0.063 | - | - | - | - | - | - | 0.34 | - | - | - |
| | 05/20/08 | 2100 | - | 660 | - | - | - | - | - | - | - | - | 0.22 | 0.077 | - | - | - | - | - | - | 0.12 | - | - | - |
| SVE-5 | 10/18/00 | 12000 | - | 4010 | - | - | - | - | - | - | - | - | 0.515 | 1.00 | - | - | - | - | - | - | 0.144 | - | - | - |
| | 08/08/01 | 17700 | - | 6010 | - | - | - | - | - | - | - | - | 0.593 | 1.38 | - | - | - | - | - | - | < 0.01 | - | - | - |
| | 08/06/02 | 13000 | - | 4100 | - | - | - | - | - | - | - | - | 0.45 | 1.4 | - | - | - | - | - | - | 0.046 | - | - | - |
| | 01/14/03 | 17000 | - | 8600 | - | - | - | - | - | - | - | - | 0.56 | 1.1 | - | - | - | - | - | - | < 0.002 | - | - | - |
| | 05/26/04 | 16000 | - | 2500 | - | - | - | - | - | - | - | - | 0.56 | 1.6 | - | - | - | - | - | - | < 0.010 | - | - | - |
| | 04/13/05 | 11000 | - | 3400 | - | - | - | - | - | - | - | - | 0.45 | 2.0 | - | - | - | - | - | - | 0.014 | - | - | - |
| | 05/09/06 | 12000 | - | 3900 | - | - | - | - | - | - | - | - | 0.40 | 1.6 | - | - | - | - | - | - | < 0.020 | - | - | - |
| | 06/19/07 | 8600 | - | 2700 | - | - | - | - | - | - | - | - | 0.18 | 1.6 | - | - | - | - | - | - | < 0.0020 | - | - | - |
| dup (MW-19) | 06/19/07 | 8000 | - | 2500 | - | - | - | - | - | - | - | - | 0.35 | 1.6 | - | - | - | - | - | - | < 0.0020 | - | - | - |
| | 05/20/08 | 15000 | - | 4500 | - | - | - | - | - | - | - | - | 0.37 | 1.9 | - | - | - | - | - | - | < 0.0020 | - | - | - |
| dup (MW-22) | 05/20/08 | 13000 | - | 3800 | - | - | - | - | - | - | - | - | 0.31 | 1.9 | - | - | - | - | - | - | 0.0021 | - | - | - |
| SVE-6 | 10/18/00 | 8170 | - | 2080 | - | - | - | - | - | - | - | - | 0.0483 | 90.5 | - | - | - | - | - | - | 45.6 | - | - | - |
| | 08/08/01 | 9250 | - | 1800 | - | - | - | - | - | - | - | - | 0.359 | 0.287 | - | - | - | - | - | - | 0.0165 | - | - | - |
| | 08/06/02 | 8200 | - | 960 | - | - | - | - | - | - | - | - | 0.21 | 0.20 | - | - | - | - | - | - | 0.021 | - | - | - |
| | 01/15/03 | 10000 | - | 1900 | - | - | - | - | - | - | - | - | 0.42 | 0.21 | - | - | - | - | - | - | 0.0066 | - | - | - |
| | 05/26/04 | 6800 | - | 1100 | - | - | - | - | - | - | - | - | 0.17 | 0.23 | - | - | - | - | - | - | 0.0086 | - | - | - |
| | 04/13/05 | 7600 | - | 1400 | - | - | - | - | - | - | - | - | 0.15 | 0.22 | - | - | - | - | - | - | < 0.010 | - | - | - |
| | 05/09/06 | 8900 | - | 1600 | - | - | - | - | - | - | - | - | 0.25 | 0.21 | - | - | - | - | - | - | < 0.002 | - | - | - |
| | 06/19/07 | 9000 | - | 1700 | - | - | - | - | - | - | - | - | 0.27 | 0.24 | - | - | - | - | - | - | 0.095 | - | - | - |
| | 05/21/08 | 7700 | - | 1500 | - | - | - | - | - | - | - | - | 0.32 | 0.22 | - | - | - | - | - | - | 0.0022 | - | - | - |

# Table 3. Summary of Groundwater Analyses - Inorganics
## TW Bell Lake Gas Plant

| Well | Sampling Date | TDS (mg/L) | Alk., total (mg/L) | Major Ions (mg/L) | | | | | | | | | Metals (mg/L) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Chloride | Sulfate | Sulfite | N-Nitrate | N-Nitrite | Calcium | Magnesium | Potassium | Sodium | Arsenic | Barium | Cadmium | Chromium | Copper | Iron | Lead | Mercury | Manganese | Selenium | Silver | Zinc |
| NMWQCC Standard | | 1000 | none | 250 | 600 | none | 10 | none | none | none | none | none | 0.1 | 1.0 | 0.01 | 0.05 | 1.0 | 1.0 | 0.05 | 0.002 | 0.2 | 0.05 | 0.05 | 10 |
| SVE-7 | 10/17/00 | 3360 | - | 1450 | - | - | - | - | - | - | - | - | 0.0734 | 1.83 | - | - | - | - | - | - | 0.730 | - | - | - |
| | 08/08/01 | 4340 | - | 2060 | - | - | - | - | - | - | - | - | 0.0777 | 0.626 | - | - | - | - | - | - | 0.0590 | - | - | - |
| | 08/05/02 | 4900 | - | 2100 | - | - | - | - | - | - | - | - | 0.083 | 0.69 | - | - | - | - | - | - | 0.063 | - | - | - |
| | 01/15/03 | 3500 | - | 1300 | - | - | - | - | - | - | - | - | 0.082 | 0.38 | - | - | - | - | - | - | 0.13 | - | - | - |
| | 05/27/04 | 3400 | - | 1300 | - | - | - | - | - | - | - | - | 0.062 | 0.27 | - | - | - | - | - | - | 0.12 | - | - | - |
| | 04/13/05 | 4800 | - | 2200 | - | - | - | - | - | - | - | - | 0.12 | 0.51 | - | - | - | - | - | - | 0.11 | - | - | - |
| | 05/10/06 | 3700 | - | 1300 | - | - | - | - | - | - | - | - | 0.093 | 0.23 | - | - | - | - | - | - | 0.14 | - | - | - |
| | 06/20/07 | 3400 | - | 1400 | - | - | - | - | - | - | - | - | 0.096 | 0.23 | - | - | - | - | - | - | 0.11 | - | - | - |
| | 05/22/08 | 3800 | - | 1500 | - | - | - | - | - | - | - | - | 0.041 | 0.17 | - | - | - | - | - | - | 0.10 | - | - | - |
| SVE-11 | 10/18/00 | 10600 | - | 2660 | - | - | - | - | - | - | - | - | 0.700 | 0.425 | - | - | - | - | - | - | 0.0150 | - | - | - |
| | 08/08/01 | 10500 | - | 2790 | - | - | - | - | - | - | - | - | 0.51 | 0.393 | - | - | - | - | - | - | < 0.01 | - | - | - |
| | 08/06/02 | 12000 | - | 2200 | - | - | - | - | - | - | - | - | 0.76 | 0.33 | - | - | - | - | - | - | < 0.0020 | - | - | - |
| | 01/15/03 | 4800 | - | 1000 | - | - | - | - | - | - | - | - | 0.28 | 0.22 | - | - | - | - | - | - | 0.0027 | - | - | - |
| | 05/27/04 | 11000 | - | 2500 | - | - | - | - | - | - | - | - | 0.90 | 0.36 | - | - | - | - | - | - | 0.0029 | - | - | - |
| | 04/14/05 | 9800 | - | 2400 | - | - | - | - | - | - | - | - | 0.23 | 0.29 | - | - | - | - | - | - | < 0.010 | - | - | - |
| | 05/09/06 | 8800 | - | 1900 | - | - | - | - | - | - | - | - | 0.28 | 0.21 | - | - | - | - | - | - | < 0.010 | - | - | - |
| dup (MW-22) | 05/09/06 | 9700 | - | 2200 | - | - | - | - | - | - | - | - | 0.71 | 0.20 | - | - | - | - | - | - | < 0.002 | - | - | - |
| | 06/19/07 | 5600 | - | 1300 | - | - | - | - | - | - | - | - | 0.23 | 0.35 | - | - | - | - | - | - | 0.0028 | - | - | - |
| | 05/22/08 | 8900 | - | 1900 | - | - | - | - | - | - | - | - | 0.34 | 0.19 | - | - | - | - | - | - | 0.0025 | - | - | - |

Notes:
(a) Nitrate + Nitrite

# Table 4. Summary of SVE Vapor Concentration Monitoring
# TW Bell Lake Gas Plant

| SVE Well | Date | Gasoline Range VOCs | | < C5 | C5-C6 | C6-C7 | C7-C8 | C8-C9 | C9-C10 | C10-C11 | C11-C12 | C12-C14 | C14+ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (ug/L) | (ppmv) [a] | (%) | | | | | | | | | |
| SVE-Total | 08/10/97 | 2,800 | 696 | 0.0 | 0.2 | 3.1 | 21.8 | 31.0 | 30.4 | 9.4 | 3.4 | 0.7 | 0.0 |
| | 01/09/98 | 4,000 | 994 | 0.0 | 0.2 | 4.1 | 19.7 | 32.7 | 26.8 | 12.6 | 3.2 | 0.7 | 0.0 |
| | 08/04/98 | 2,400 | 596 | 0.0 | 0.4 | 4.0 | 23.4 | 28.9 | 24.8 | 13.6 | 4.0 | 0.9 | 0.0 |
| | 08/12/98 | 2,300 | 571 | 0.0 | 0.3 | 3.1 | 22.1 | 28.9 | 24.8 | 16.1 | 3.5 | 1.2 | 0.0 |
| (dup) | 08/12/98 | 2,500 | 621 | 0.0 | 0.4 | 3.6 | 21.8 | 26.9 | 23.1 | 15.0 | 6.4 | 2.5 | 0.3 |
| | 04/14/99 | 3,000 | 745 | 0.0 | 0.4 | 3.4 | 16.4 | 27.2 | 31.3 | 13.7 | 6.1 | 1.5 | 0.0 |
| | 12/07/99 | 1,200 | 298 | 0.1 | 1.2 | 5.2 | 24.4 | 35.2 | 21.9 | 9.1 | 2.2 | 0.5 | 0.2 |
| (dup) | 12/07/99 | 1,200 | 298 | 0.1 | 1.2 | 3.9 | 24.8 | 35.8 | 22.2 | 9.0 | 2.2 | 0.5 | 0.3 |
| | 05/22/00(b) | 1,300 | 323 | 0.0 | 0.9 | 2.8 | 21.9 | 33.9 | 23.1 | 11.1 | 3.0 | 1.9 | 1.4 |
| (dup) | 05/22/00(b) | 1,100 | 273 | 0.0 | 0.9 | 2.7 | 21.6 | 33.7 | 23.5 | 11.8 | 3.5 | 1.3 | 1.0 |
| | 07/31/02(b) | 776 | 193 | 0.0 | 0.4 | 1.1 | 10.4 | 22.6 | 35.3 | 18.8 | 9.4 | 1.9 | 0.1 |
| (dup) | 07/31/02(b) | 789 | 196 | 0.0 | 0.4 | 1.4 | 10.1 | 22.7 | 35.2 | 18.5 | 9.7 | 1.9 | 0.1 |
| | 05/02/03(b) | 499 | 124 | 0.0 | 0.0 | 0.9 | 11.2 | 28.4 | 30.7 | 18.9 | 9.0 | 0.9 | 0.0 |
| (dup) | 05/02/03(b) | 669 | 166 | 0.0 | 0.0 | 0.6 | 9.3 | 24.7 | 29.1 | 24.6 | 9.2 | 2.3 | 0.2 |
| | 07/25/03(b) | 69 | 17 | 0.0 | 0.0 | 0.9 | 8.5 | 21.5 | 23.0 | 26.8 | 14.2 | 5.1 | 0.0 |
| (dup) | 07/25/03(b) | 176 | 44 | 0.0 | 0.0 | 0.5 | 8.3 | 24.1 | 28.5 | 26.4 | 10.6 | 1.6 | 0.0 |
| | 08/18/03(b) | 555 | 138 | 0.0 | 0.0 | 0.5 | 7.8 | 21.0 | 31.3 | 24.3 | 12.3 | 2.8 | 0.0 |
| | 04/20/04(b) | 457 | 114 | 0.0 | 0.0 | 0.5 | 7.6 | 23.6 | 33.3 | 23.2 | 9.5 | 1.9 | 0.4 |
| (dup) | 04/20/04(b) | 588 | 146 | 0.1 | 0.1 | 1.0 | 7.2 | 24.4 | 30.1 | 24.1 | 10.7 | 2.3 | 0.0 |
| | 08/30/04(b) | 610 | 152 | 0.0 | 0.0 | 0.3 | 6.1 | 20.2 | 29.0 | 25.2 | 12.7 | 6.0 | 0.5 |
| (dup) | 08/30/04(b) | 617 | 153 | 0.0 | 0.0 | 0.3 | 6.9 | 22.9 | 31.9 | 26.0 | 10.4 | 1.6 | 0.0 |
| | 08/08/05(c) | 377 | 94 | 0.0 | 0.0 | 0.3 | 6.1 | 23.9 | 39.8 | 17.9 | 9.7 | 2.3 | 0.0 |
| (dup) | 08/08/05(c) | 419 | 104 | 0.0 | 0.0 | 0.4 | 5.7 | 22.3 | 37.1 | 19.1 | 11.2 | 4.2 | 0.0 |
| | 11/14/05(c) | 469 | 116 | 0.0 | 0.0 | 0.2 | 2.9 | 20.2 | 31.5 | 24.4 | 15.3 | 5.5 | 0.0 |
| (dup) | 11/14/05(c) | 462 | 115 | 0.0 | 0.0 | 0.2 | 0.3 | 20.5 | 32.8 | 25.9 | 15.1 | 5.2 | 0.0 |
| | 09/18/06(b) | 412 | 102 | 0.0 | 0.0 | 0.2 | 6.5 | 19.1 | 31.3 | 26.5 | 13.2 | 3.2 | 0.0 |
| (dup) | 09/18/06(b) | 398 | 99 | 0.0 | 0.0 | 0.1 | 6.6 | 19.5 | 31.8 | 26.5 | 12.6 | 2.9 | 0.0 |
| | 07/01/08(b) | 253 | 63 | 0.0 | 0.0 | 0.2 | 4.9 | 14.4 | 33.4 | 27.6 | 14.9 | 4.6 | 0.0 |
| (dup) | 07/01/08(b) | 238 | 59 | 0.0 | 0.0 | 0.1 | 4.4 | 14.9 | 34.5 | 27.7 | 14.8 | 3.6 | 0.0 |

All air samples analyzed by Hall Laboratory of Albuquerque, NM
PID = Photoionization detector
(a) Conversion Factor:
P = 0.88 atm, MW = 110 g/mole, R = 0.08205 L*atm/(K*mole), T = 293oK
C ppmv = C ug/L * ((R * T)/(MW*P))
C ppmv = C ug/L * 0.2484
(b) Total Flow analysis included wells SVE-8, 9, 10, 12 & 13
(c) Total Flow analysis included wells SVE-4, 9, 10 & 13

# Table 5. Summary of Completion Details for Soil Borings Completed as Wells
# TW Bell Lake Gas Plant

| Well | Source[a] | Date of Completion | Measuring Point Elevation (ft) | Northing (ft) | Easting (ft) | Total Depth of Boring (ft bgs) | Measured Depth of Well (ft from TOC) | Surface Completion Type | Casing Diameter (in.) | Screen Interval (ft bgs) | Top of Sand Pack (ft bgs) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-1 | Layne/B&C | 11/29/93 | 3635.37 (b) | 124.48 | 237.59 | 97.0 | 95.61 | Flush Mount | 4 | 82-97 | 80 |
| MW-2 | Layne/B&C | 11/29/93 | 3634.68 (d) | 237.17 | 156.05 | 100.0 | 96.41 | Flush Mount | 4 | 85-100 | 83 |
| MW-3 | Layne/B&C | 11/29/93 | 3639.64 (b) | 16.90 | -236.04 | 106.0 | 103.62 | Flush Mount | 4 | 89-104 | 87 |
| MW-4 | GPI/B&C | 12/03/94 | 3637.04 (c) | -24.28 | 210.35 | 100.0 | 93.11 | Flush Mount | 2 | 85-100 | 81 |
| MW-5 | GPI/B&C | 12/04/94 | 3635.31 (b) | -7.71 | 355.11 | 99.0 | 97.05 | Flush Mount | 2 | 84-99 | 82 |
| MW-6 | GPI/B&C | 12/05/94 | 3634.66 (b) | 60.78 | 392.61 | 100.0 | 94.68 | Flush Mount | 2 | 83-98 | 81 |
| MW-7 | Harrison/CES | 12/07/95 | 3636.00 (d) | -230.36 | 226.39 | 100.6 | 98.11 | Flush Mount | 2 | 85-100 | 82.8 |
| MW-8 | Harrison/CES | 12/06/95 | 3635.30 (c) | -239.38 | 385.84 | 100.0 | 97.62 | Flush Mount | 2 | 85-100 | 82.1 |
| MW-9 | Harrison/CES | 12/06/95 | 3633.58 (b) | -136.98 | 523.60 | 100.0 | 99.23 | Flush Mount | 2 | 85-100 | 82.6 |
| MW-10 | GPI/CES | 01/06/98 | 3633.24 (d) | -203.69 | 706.63 | 100.0 | 100.15 | Flush Mount | 2 | 80-100 | 78 |
| MW-11 | GPI/CES | 01/07/98 | 3631.56 (d) | -364.21 | 708.32 | 100.0 | 99.51 | Flush Mount | 2 | 80-100 | 78 |
| MW-12 | GPI/CES | 01/08/98 | 3630.61 (d) | -387.71 | 1005.14 | 100.0 | 99.20 | Flush Mount | 2 | 80-100 | 78 |
| MW-13 | GPI/CES | 12/15/99 | 3626.97 (d) | -748.40 | 1206.56 | 90.5 | 89.90 | Flush Mount | 2 | 75.5-90.5 | 72 |
| MW-14 | GPI/CES | 12/10/02 | 3631.43 (e) | -534.56 | 437.41 | 94.0 | 93.47 | Flush Mount | 2 | 74-94 | 69 |
| MW-15 | GPI/CES | 12/11/02 | 3629.00 (e) | -611.10 | 968.12 | 94.0 | 92.95 | Flush Mount | 2 | 74-94 | 69 |
| MW-16 | GPI/CES | 12/13/02 | 3625.87 (e) | -905.79 | 1058.50 | 90.0 | 88.02 | Flush Mount | 2 | 70-90 | 65 |
| SVE-1 | Harrison/CES | 12/07/95 | 3638.22 (d) | 100.09 | 129.28 | 100.0 | 93.65 | Flush Mount | 2 | 40-100 | 37.8 |
| SVE-2 | Harrison/CES | 12/08/95 | 3637.53 (d) | 140.14 | 125.71 | 100.0 | 100.54 | Flush Mount | 2 | 40-100 | 37.1 |
| SVE-3 | Harrison/CES | 12/09/95 | 3637.62 (d) | 221.18 | 88.69 | 100.0 | 101.00 | Flush Mount | 2 | 40-100 | 37.1 |
| SVE-4 | GPI/CES | 11/08/97 | 3636.48 (d) | 37.71 | 171.36 | 100.5 | 99.56 | Flush Mount | 4 | 85.5-100.5 | 83.5 |
| SVE-5 | GPI/CES | 11/09/97 | 3635.66 (d) | 42.74 | 212.29 | 100.0 | 96.45 | Flush Mount | 4 | 85-100 | 83 |
| SVE-6 | GPI/CES | 11/11/97 | 3636.38 (d) | 4.70 | 146.28 | 100.0 | 95.55 | Flush Mount | 4 | 85-100 | 83 |
| SVE-7 | GPI/CES | 11/12/97 | 3636.01 (d) | 193.49 | 101.15 | 98.0 | 94.45 | Flush Mount | 4 | 83-98 | 81 |
| SVE-8 | GPI/CES | 05/24/99 | 3637.72 (d) | 91.29 | 134.89 | 100.0 | 101.25 | Flush Mount | 4 | 84.5-99.5 | 81.5 |
| SVE-9 | GPI/CES | 05/24/99 | 3637.51 (d) | 64.49 | 153.29 | 100.0 | 100.55 | Flush Mount | 4 | 84-99 | 80.5 |
| SVE-10 | GPI/CES | 05/27/99 | 3637.36 (d) | 2.37 | 192.62 | 100.0 | 100.88 | Flush Mount | 4 | 84.5-99.5 | 81.5 |
| SVE-11 | GPI/CES | 05/21/99 | 3637.31 (d) | -49.43 | 238.78 | 100.0 | 100.81 | Flush Mount | 4 | 84.5-99.5 | 81.5 |
| SVE-12 | GPI/CES | 05/23/99 | 3637.41 (d) | 37.32 | 176.02 | 100.0 | 100.42 | Flush Mount | 4 | 84-99 | 81 |
| SVE-13 | GPI/CES | 12/15/99 | 3637.33 (d) | 21.87 | 214.30 | 99.0 | 99.18 | Flush Mount | 4 | 84-99 | 81 |

Notes:

(a) Driller/Consultant

(b) TOC elevation based on survey by John West Surveying Co. on 12/28/95

(c) TOC elevation based on survey by CES (GCR) on 01/09/98

(d) TOC elevation based on survey by John West Surveying Co. on 12/27/99 w/adjustments: MW-2 = +0.06, MW-7 & SVE-1-13 = +0.08, MW-10-13 = +0.02

(e) TOC elevation based on survey by John West Surveying Co. on 01/09/03

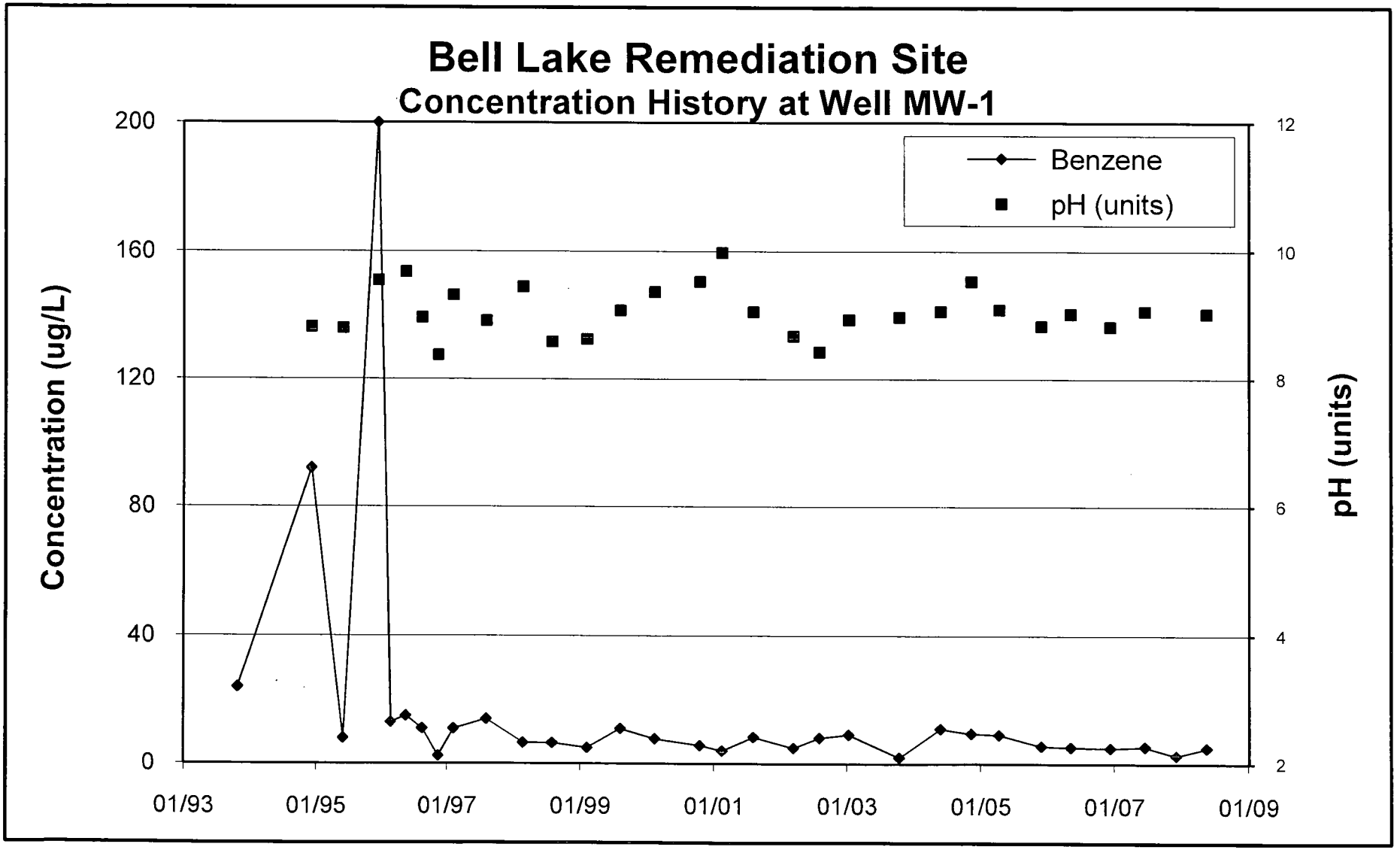
## Table 6. Monitor Well Sampling Locations, Frequency, and Sample Analysis Plan
## TW Bell LakeGas Plant

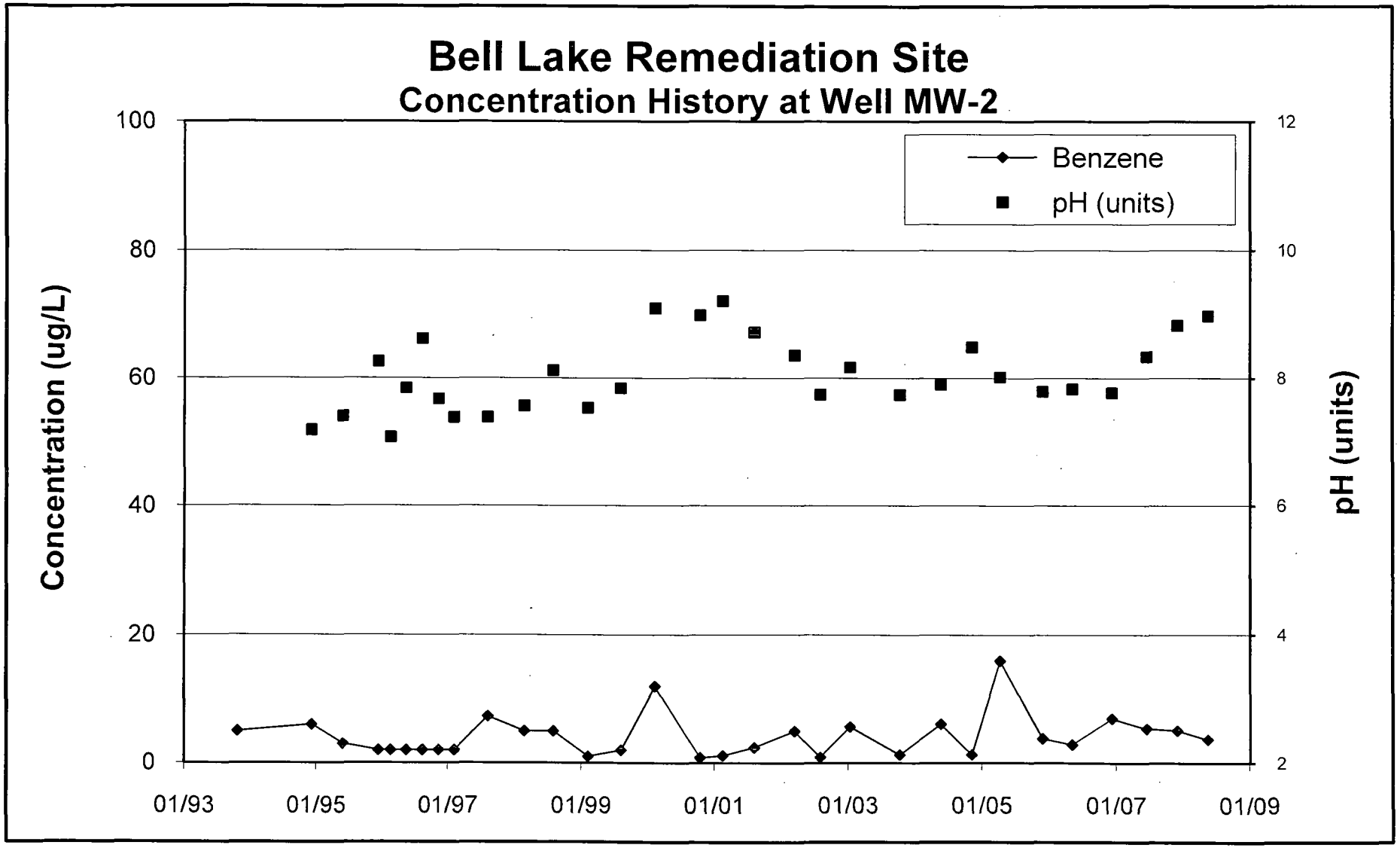
| | Analytical Requirements | | | |
|---|---|---|---|---|
| Well ID | 1st Semiannual Event | 2nd Semiannual Event | Benzene (ppb) Latest Result | Comments |
| MW-1 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | 5 | |
| MW-2 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | 7 | |
| MW-3 | ---- | ---- | < 5 | Well has been abandoned |
| MW-4 | BTEX, TDS, Cl, As, Ba & Mn | none | 240 | PSH in well |
| MW-5 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | 21 | |
| MW-6 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | 39 | |
| MW-7 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | < 1 | |
| MW-8 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | 160 | |
| MW-9 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | 410 | |
| MW-10 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | 34 | |
| MW-11 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | 630 | |
| MW-12 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | 3.8 | |
| MW-13 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | < 1 | |
| MW-14 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | < 1 | |
| MW-15 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | < 1 | |
| MW-16 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | < 1 | |
| Water Well | BTEX, TDS, Cl, As, Ba & Mn | BTEX | < 1 | |
| SVE-2 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | 1.1 | |
| SVE-5 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | 250 | |
| SVE-6 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | 260 | |
| SVE-7 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | 16 | |
| SVE-11 | BTEX, TDS, Cl, As, Ba & Mn | BTEX | 500 | |

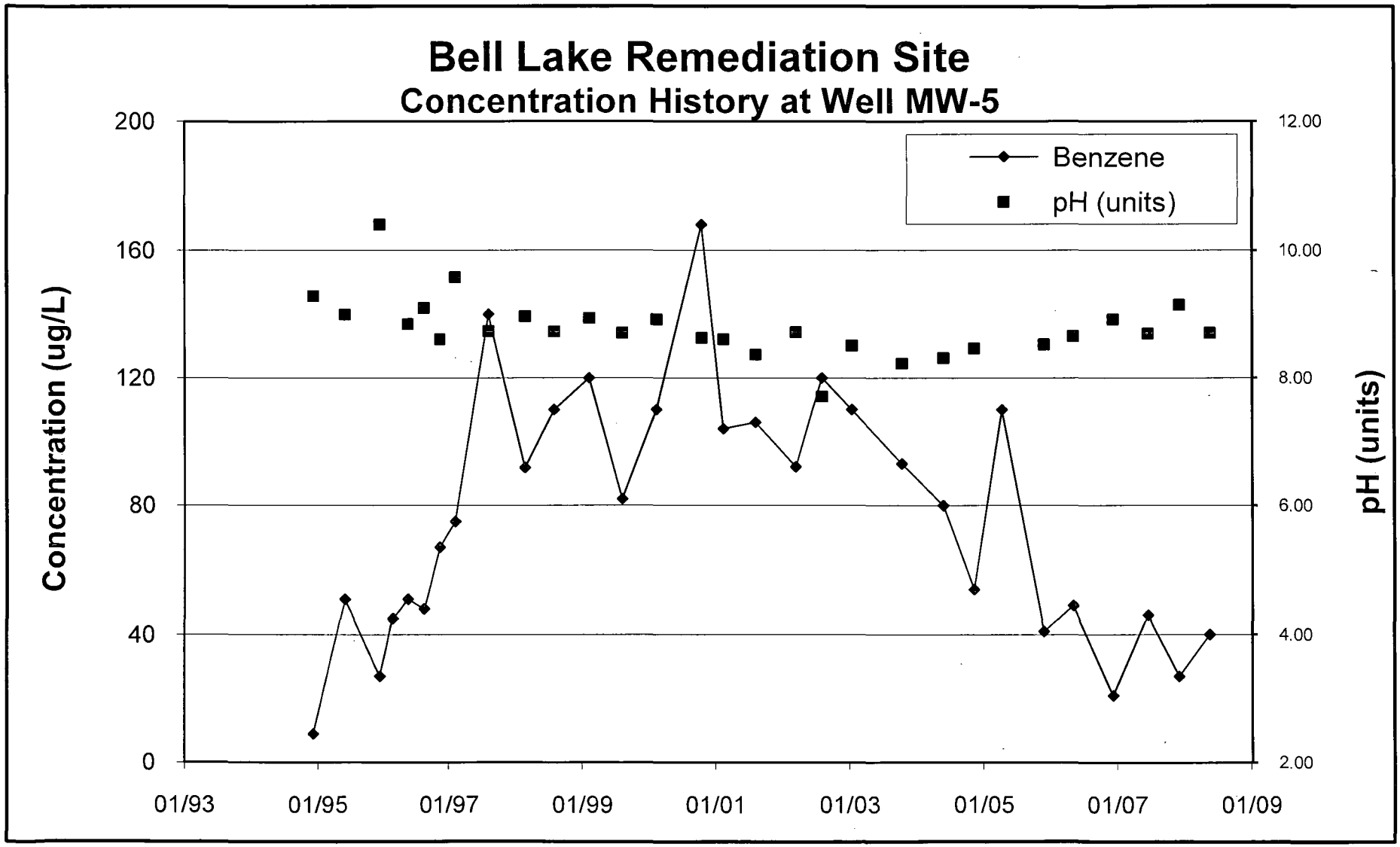
Notes:
1) na - not available
2) BTEX - BTEX Compounds by EPA Method 8021B
3) "Comments" are provided for wells that will not be sampled during one or more events

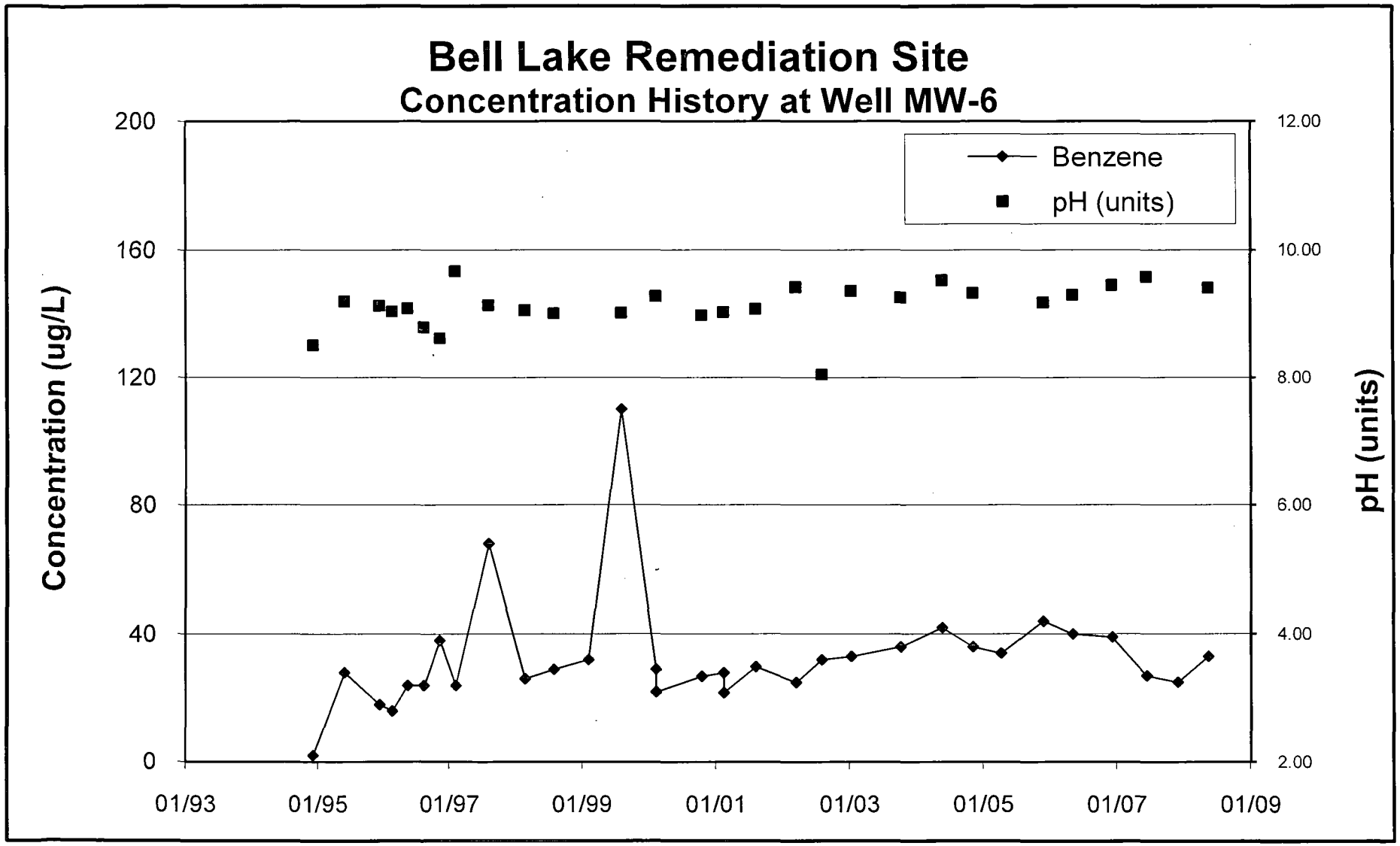
# CONCENTRATION HISTORY PLOTS

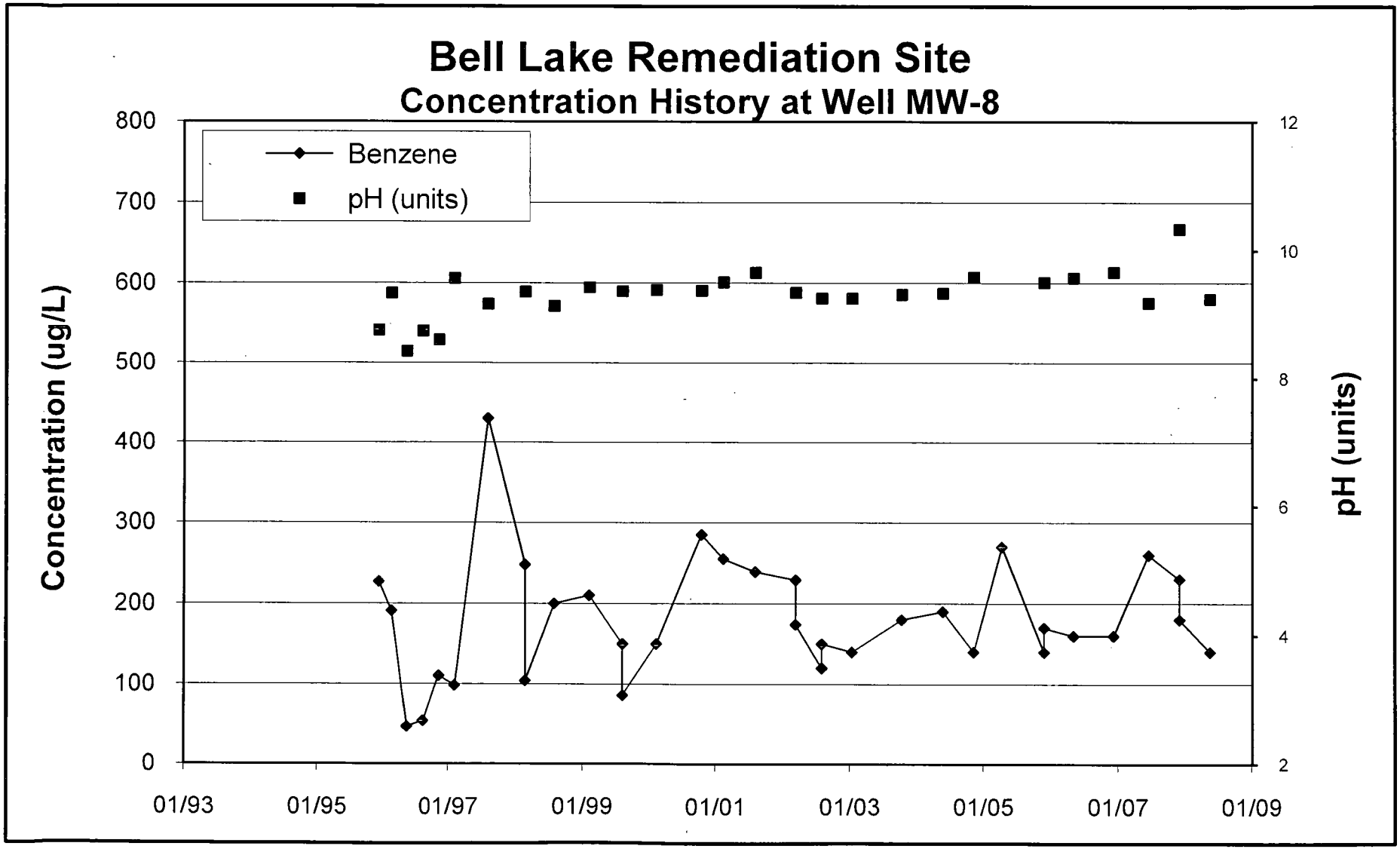
## Benzene and pH

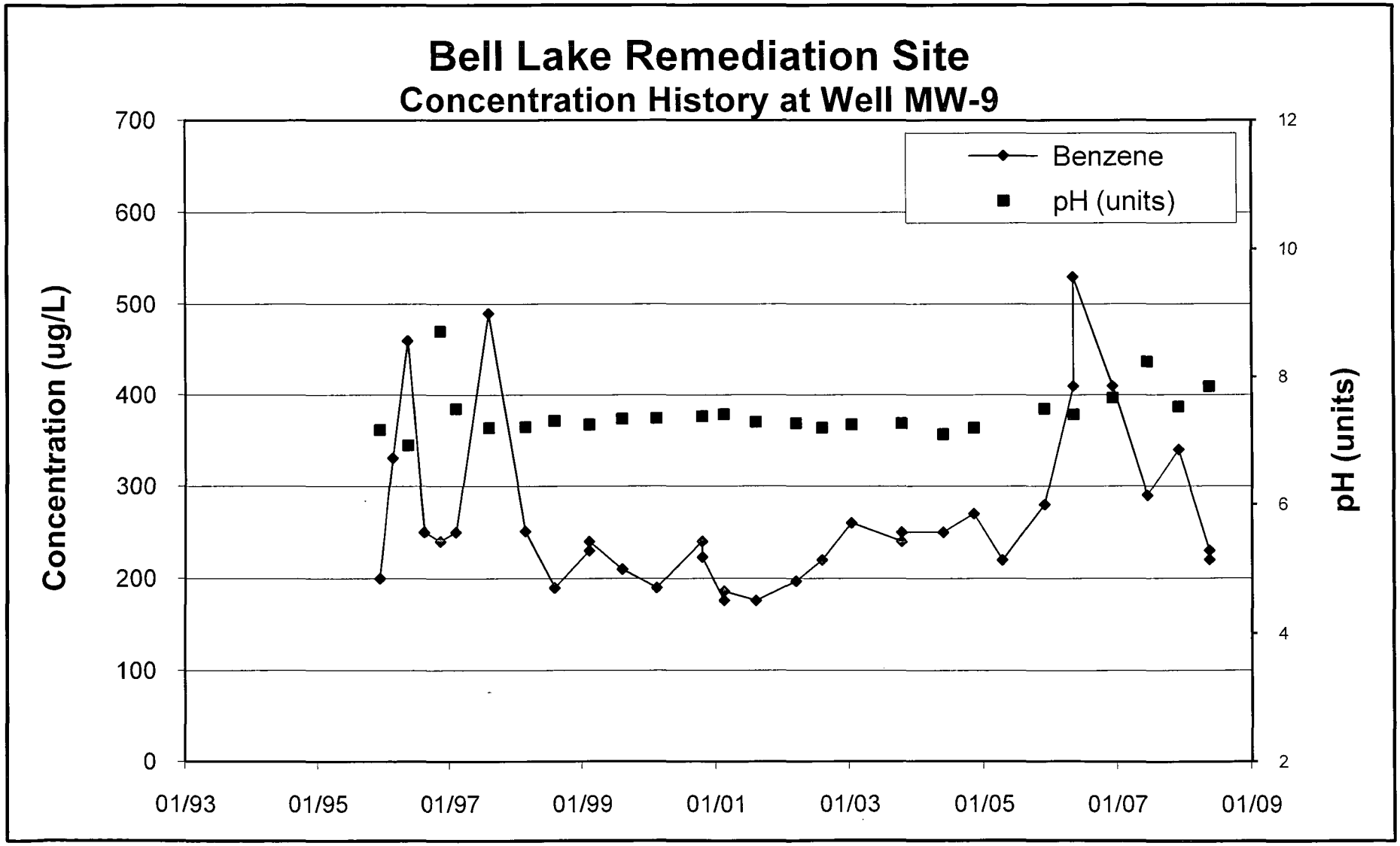

Bell Lake Remediation Site
Concentration History at Well MW-1
Concentration (ug/L)
pH (units)
Benzene
pH (units)
200
160
120
80
40
0
12
10
8
6
4
2
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

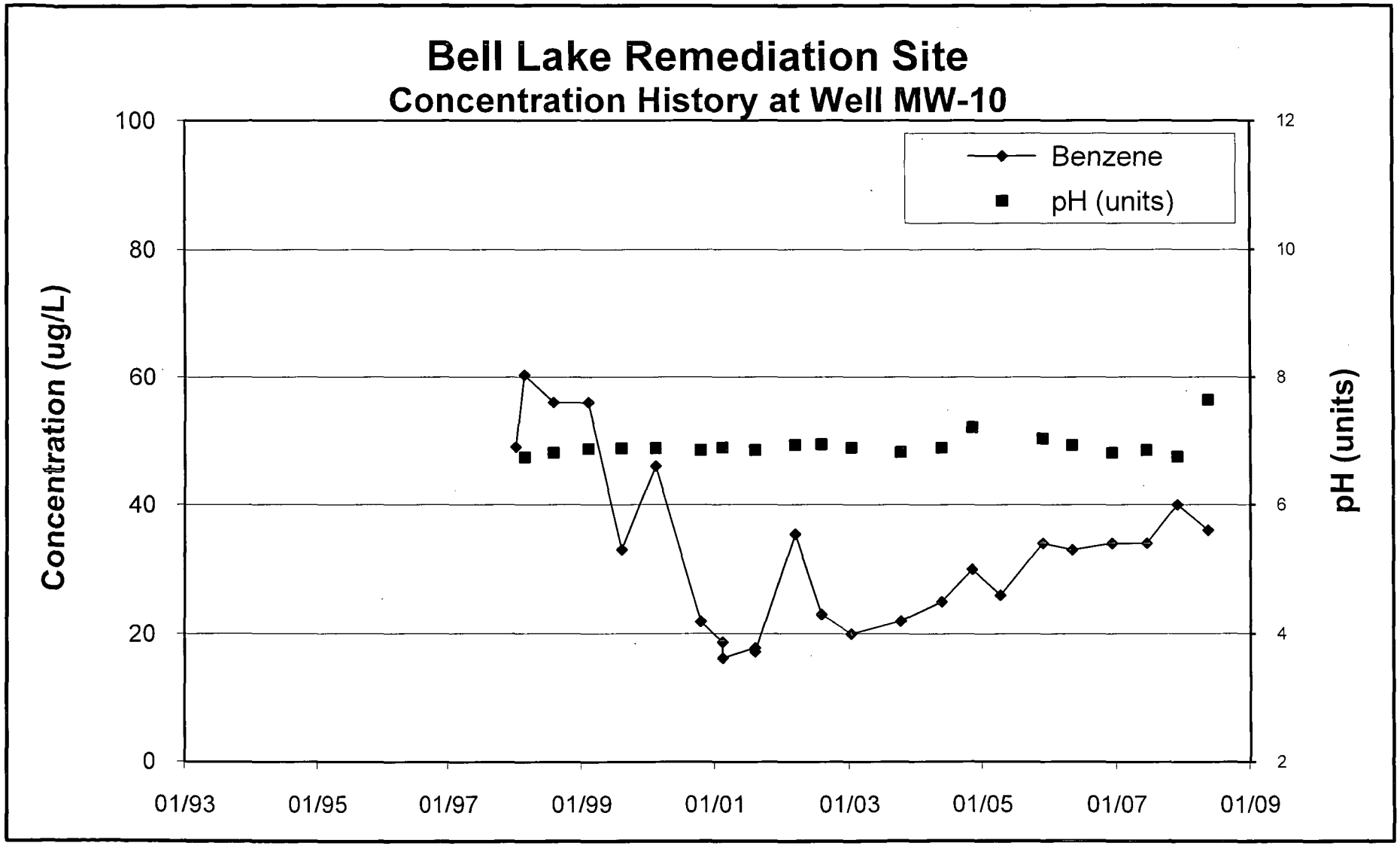

Bell Lake Remediation Site
Concentration History at Well MW-2
Concentration (ug/L)
pH (units)
Benzene
pH (units)
100
80
60
40
20
0
12
10
8
6
4
2
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

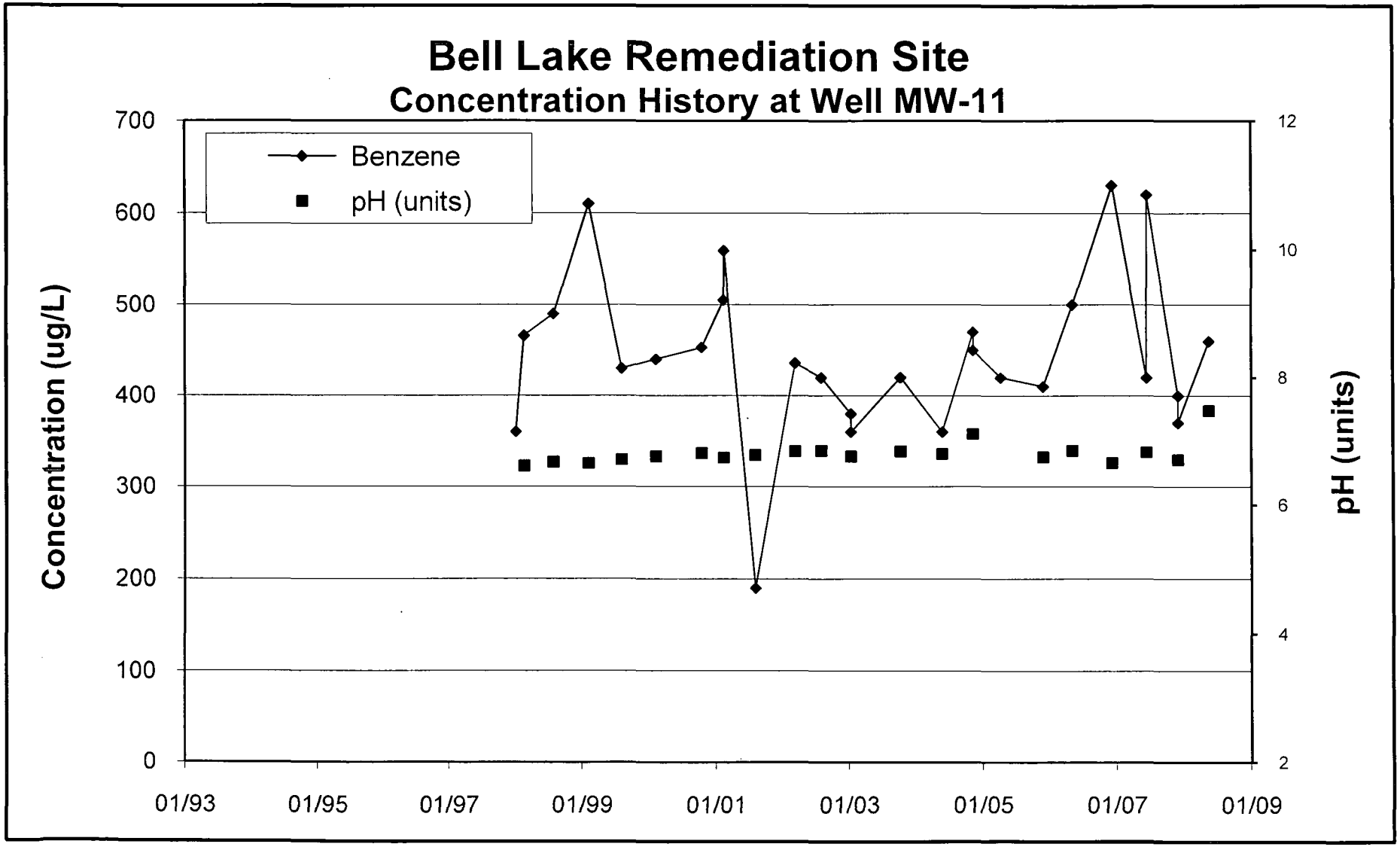

Bell Lake Remediation Site
Concentration History at Well MW-5
Benzene
pH (units)
Concentration (ug/L)
pH (units)
200
160
120
80
40
0
12.00
10.00
8.00
6.00
4.00
2.00
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

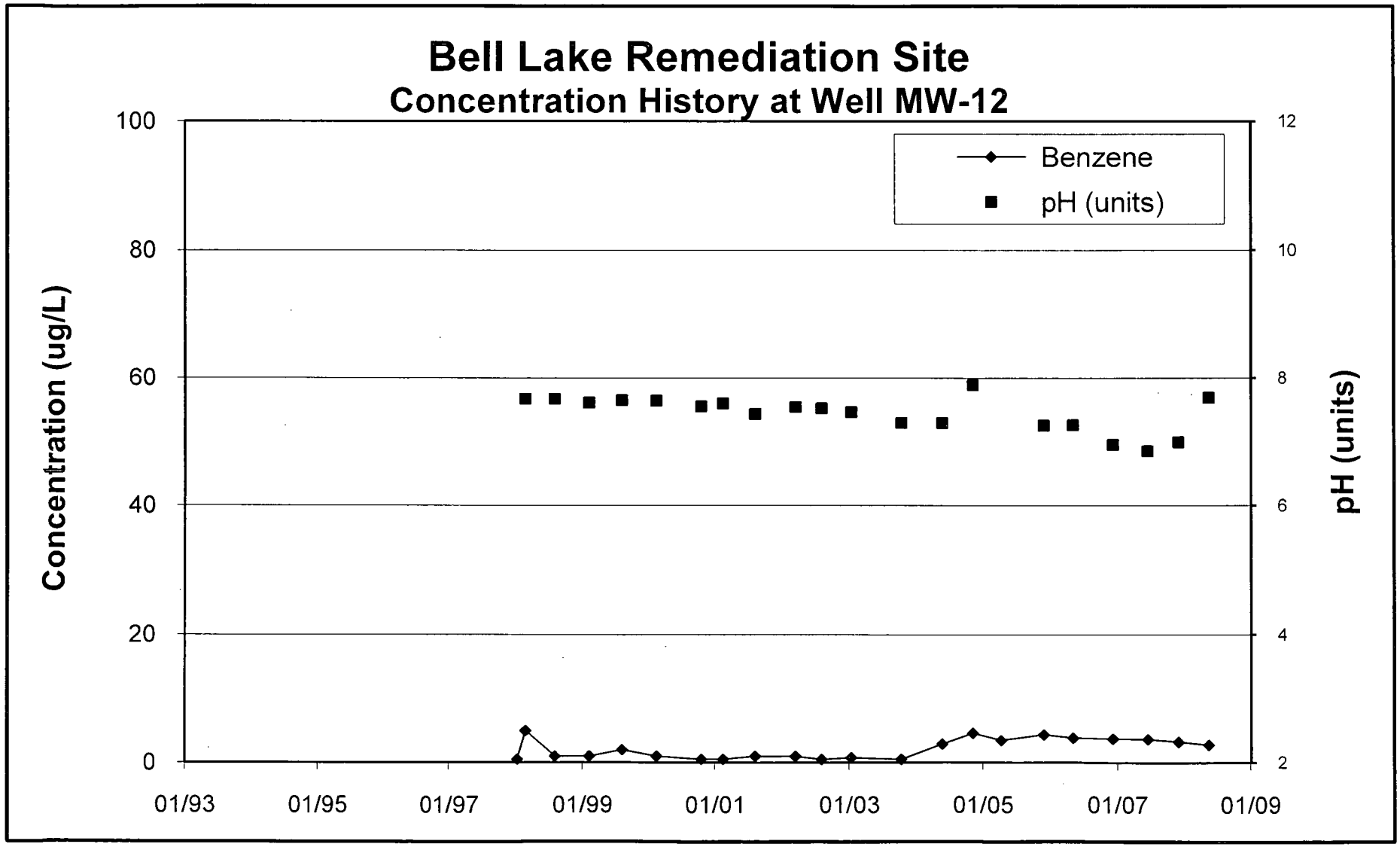

Bell Lake Remediation Site
Concentration History at Well MW-6
Concentration (ug/L)
pH (units)
Benzene
pH (units)
200
160
120
80
40
0
12.00
10.00
8.00
6.00
4.00
2.00
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

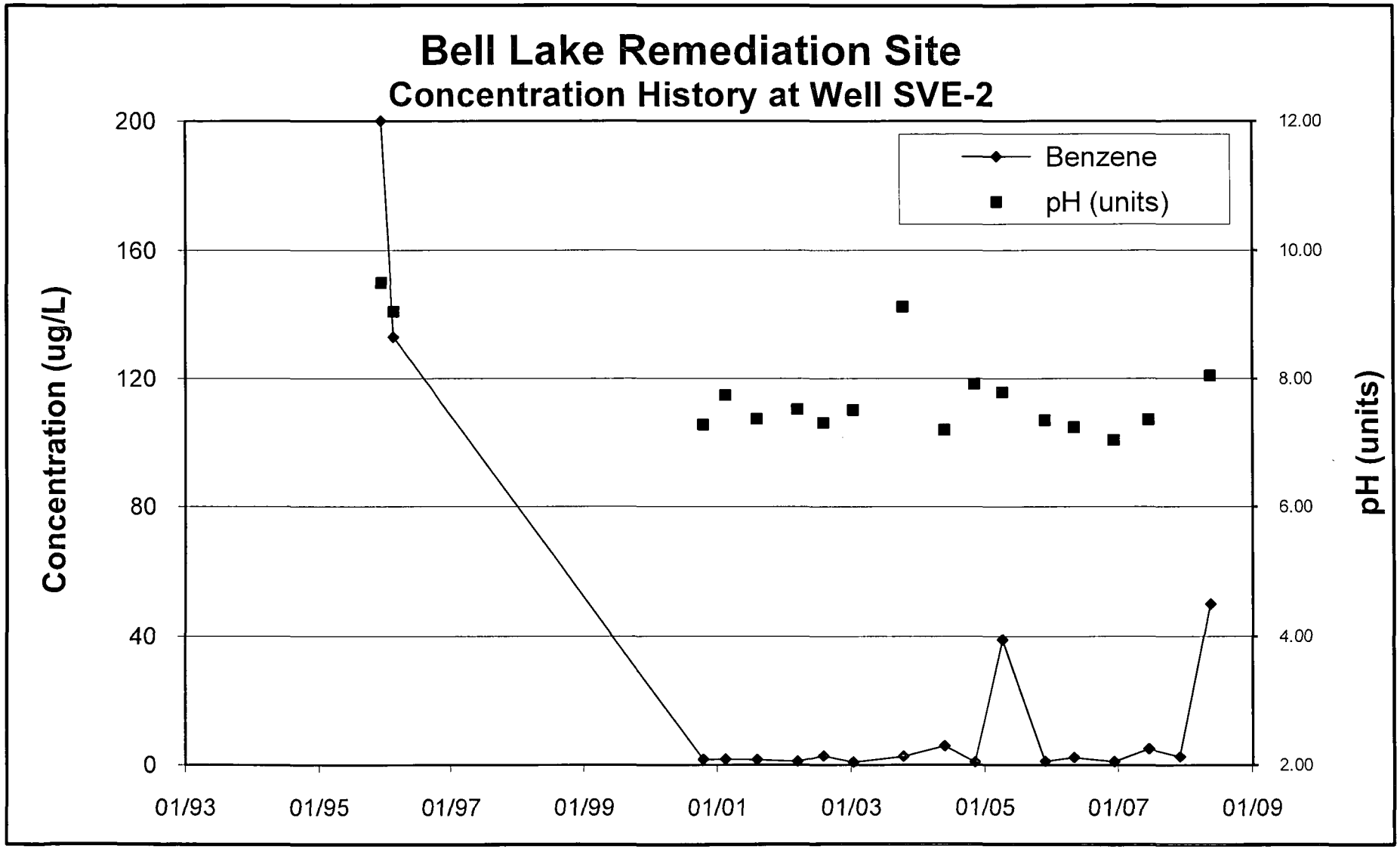

Bell Lake Remediation Site
Concentration History at Well MW-8
Benzene
pH (units)
Concentration (ug/L)
pH (units)
800
700
600
500
400
300
200
100
0
12
10
8
6
4
2
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

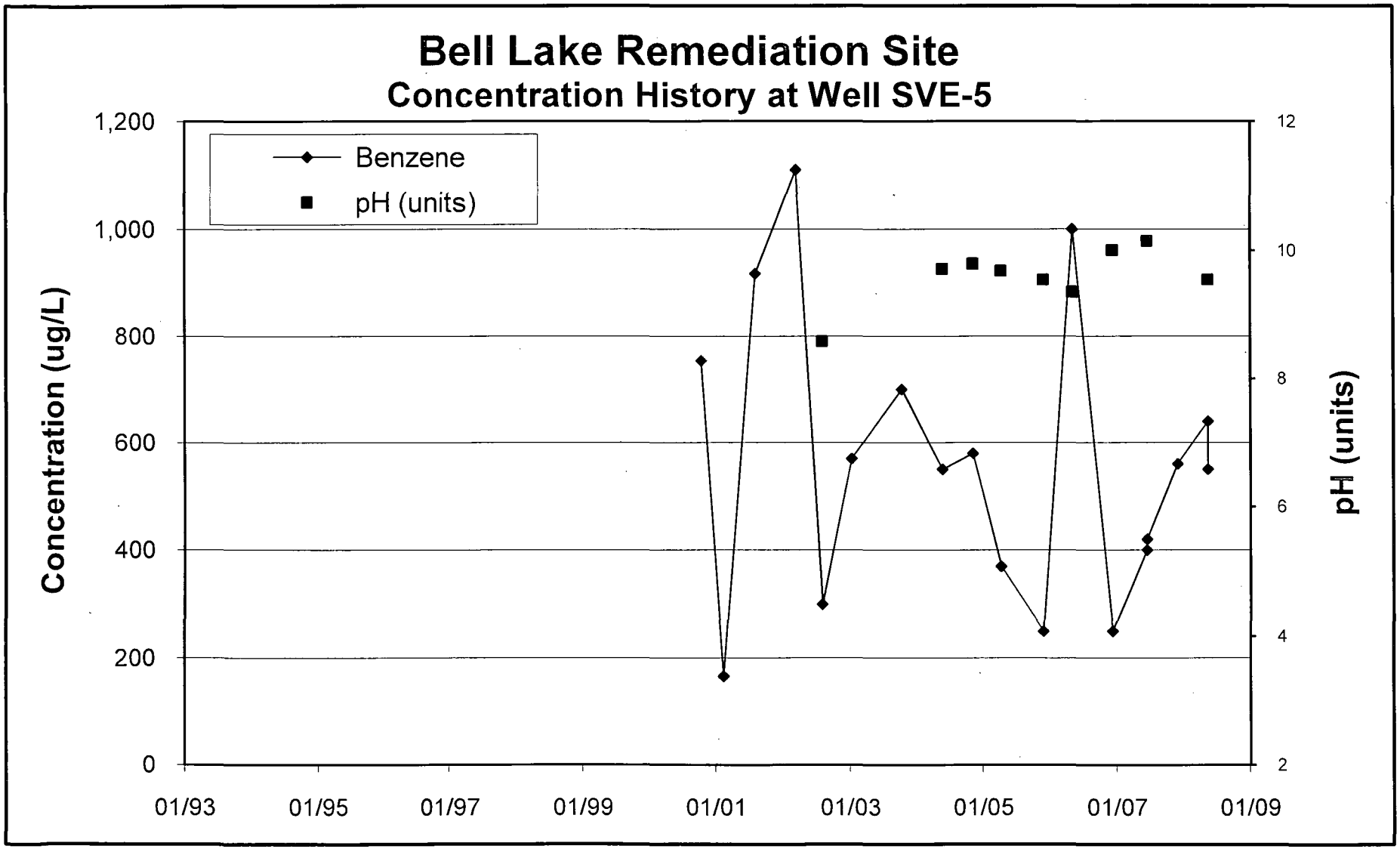

Bell Lake Remediation Site
Concentration History at Well MW-9
Concentration (ug/L)
pH (units)
Benzene
pH (units)
700
600
500
400
300
200
100
0
12
10
8
6
4
2
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

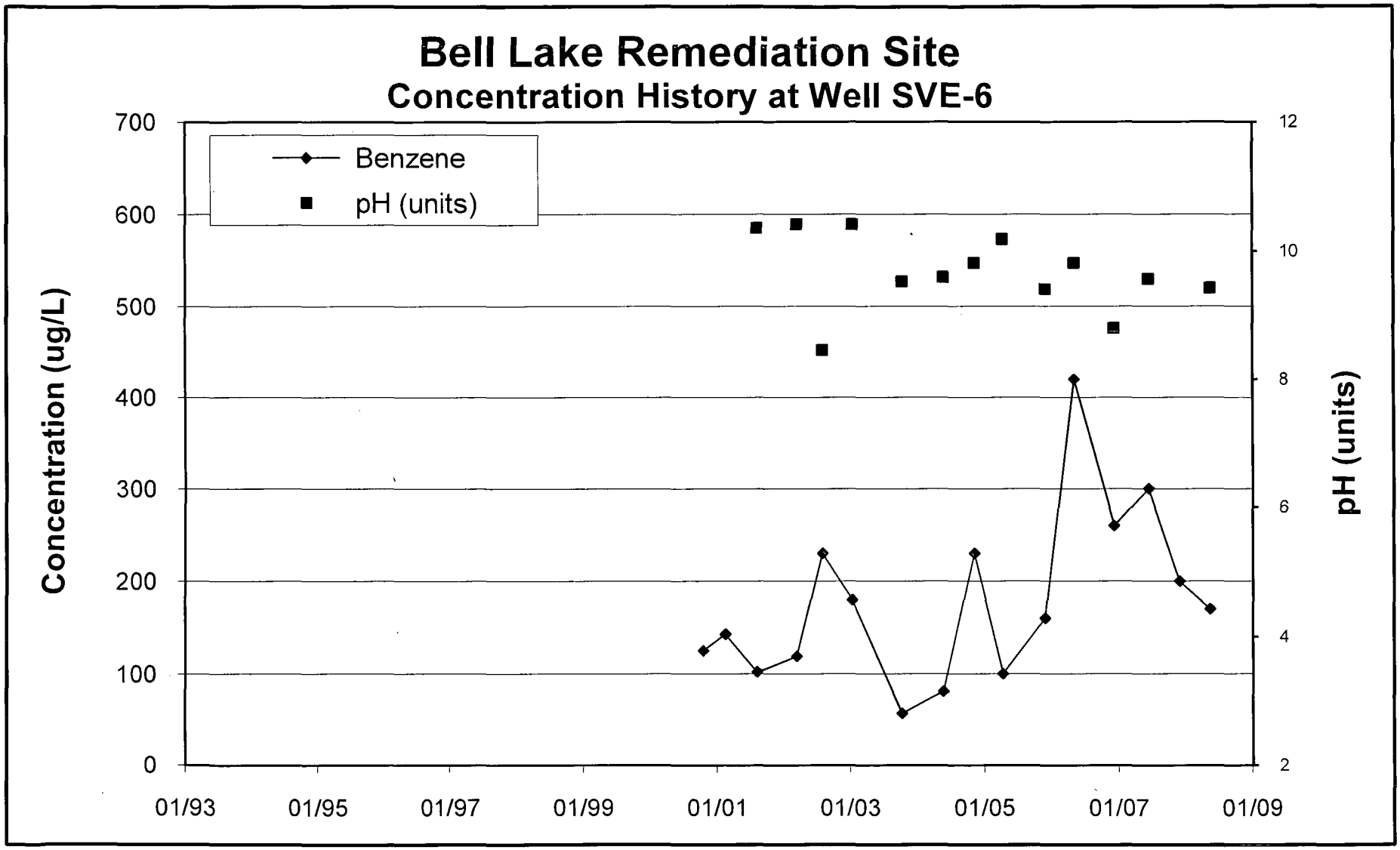

Bell Lake Remediation Site
Concentration History at Well MW-10
Benzene
pH (units)
Concentration (ug/L)
pH (units)
100
80
60
40
20
0
12
10
8
6
4
2
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

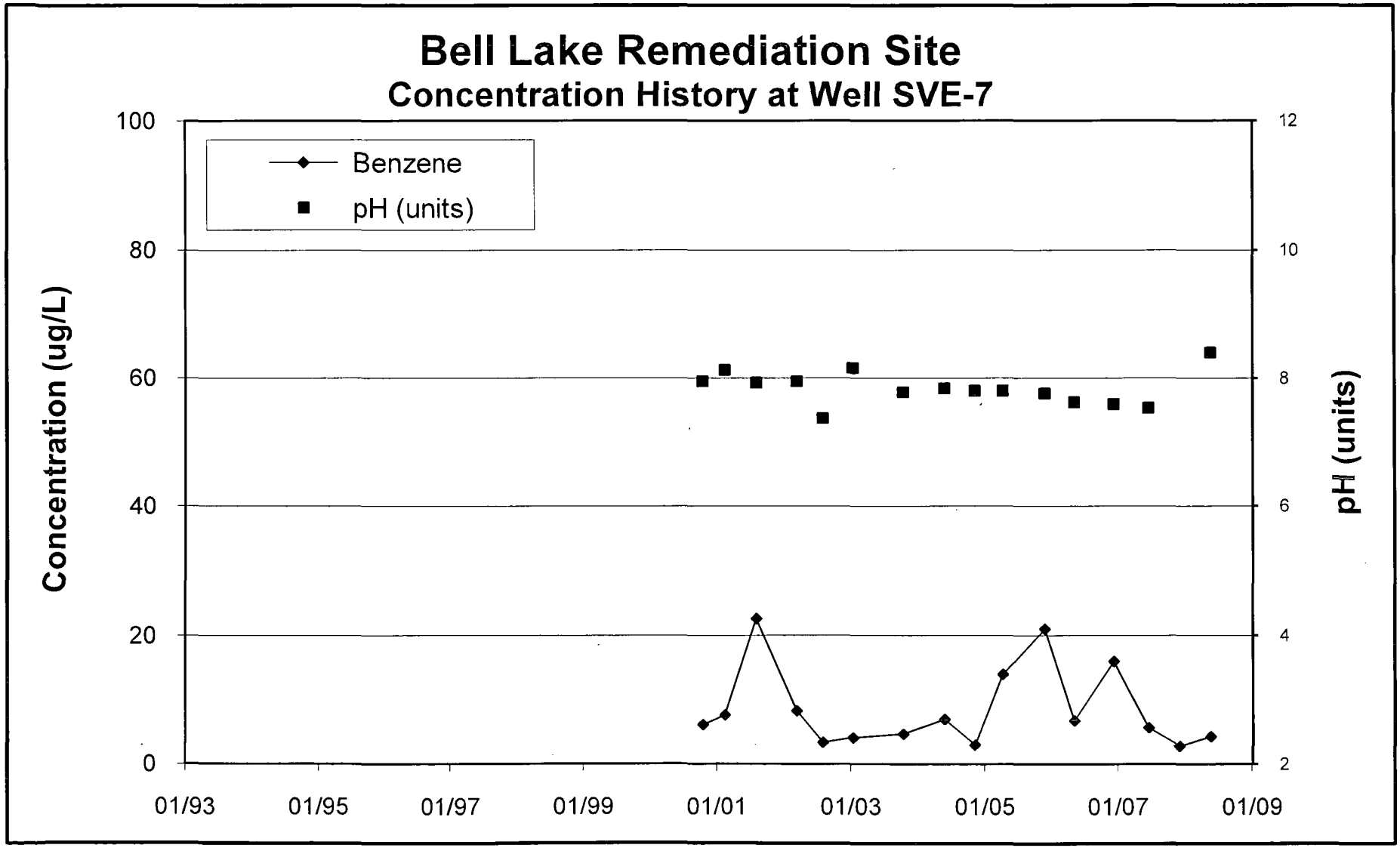

Bell Lake Remediation Site
Concentration History at Well MW-11
Benzene
pH (units)
Concentration (ug/L)
pH (units)
700
600
500
400
300
200
100
0
12
10
8
6
4
2
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

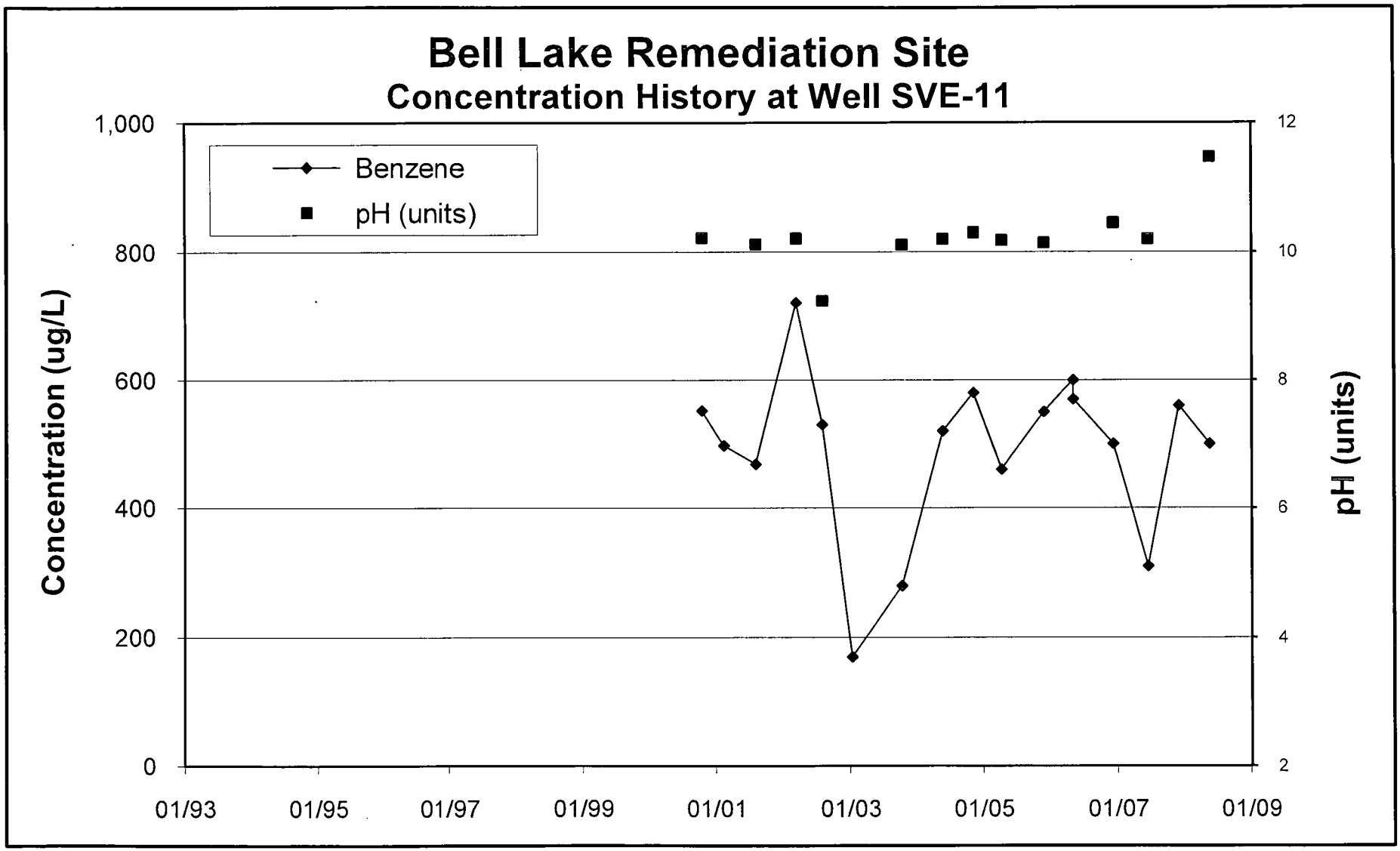

Bell Lake Remediation Site
Concentration History at Well MW-12
Benzene
pH (units)
Concentration (ug/L)
pH (units)
100
80
60
40
20
0
12
10
8
6
4
2
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09


Bell Lake Remediation Site
Concentration History at Well SVE-2
Concentration (ug/L)
pH (units)
Benzene
pH (units)
200
160
120
80
40
0
12.00
10.00
8.00
6.00
4.00
2.00
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09


Bell Lake Remediation Site
Concentration History at Well SVE-5
Benzene
pH (units)
Concentration (ug/L)
pH (units)
1,200
1,000
800
600
400
200
0
12
10
8
6
4
2
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

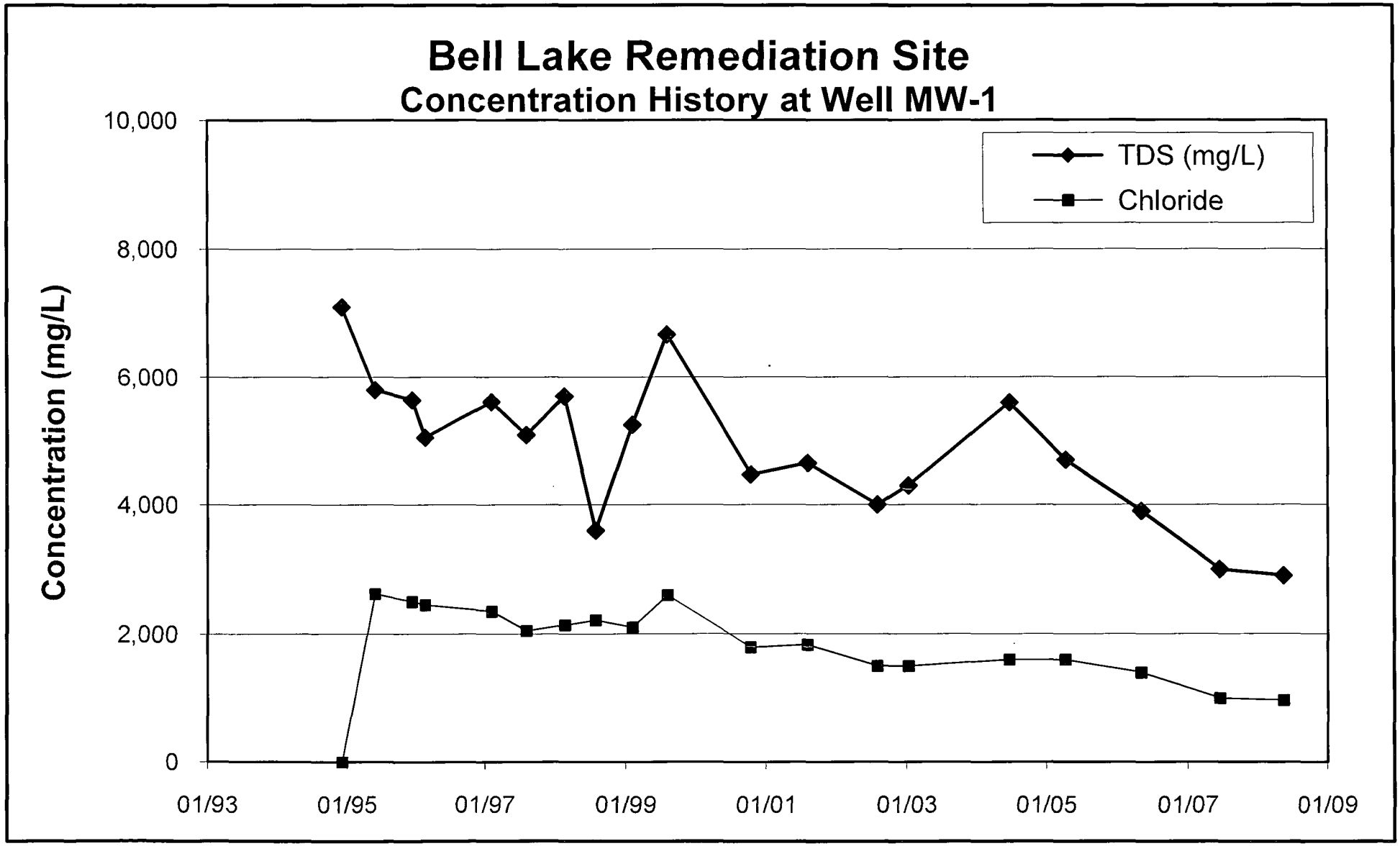

Bell Lake Remediation Site
Concentration History at Well SVE-6
Benzene
pH (units)
Concentration (ug/L)
pH (units)
700
600
500
400
300
200
100
0
12
10
8
6
4
2
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

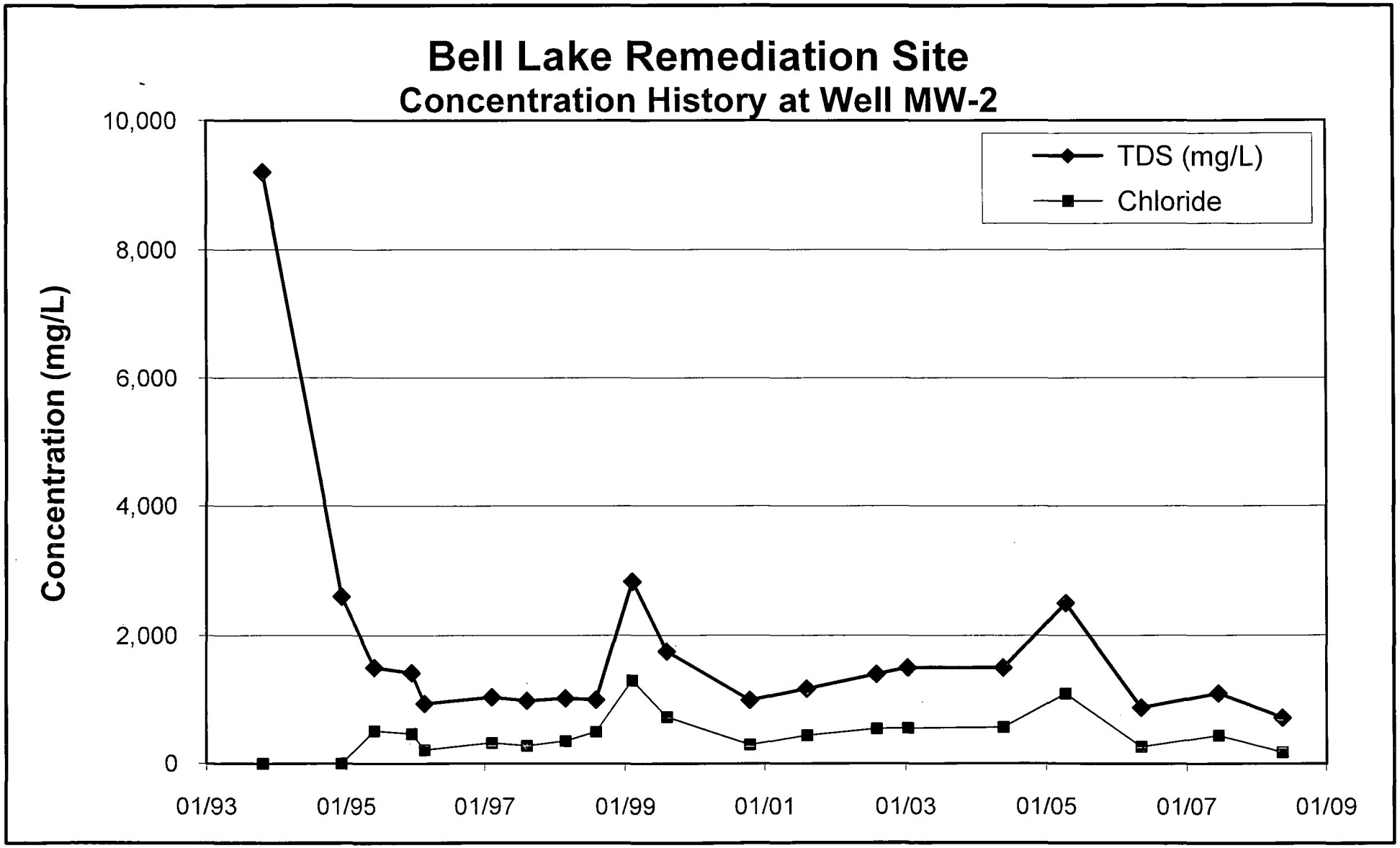

Bell Lake Remediation Site
Concentration History at Well SVE-7
Benzene
pH (units)
Concentration (ug/L)
pH (units)
100
80
60
40
20
0
12
10
8
6
4
2
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

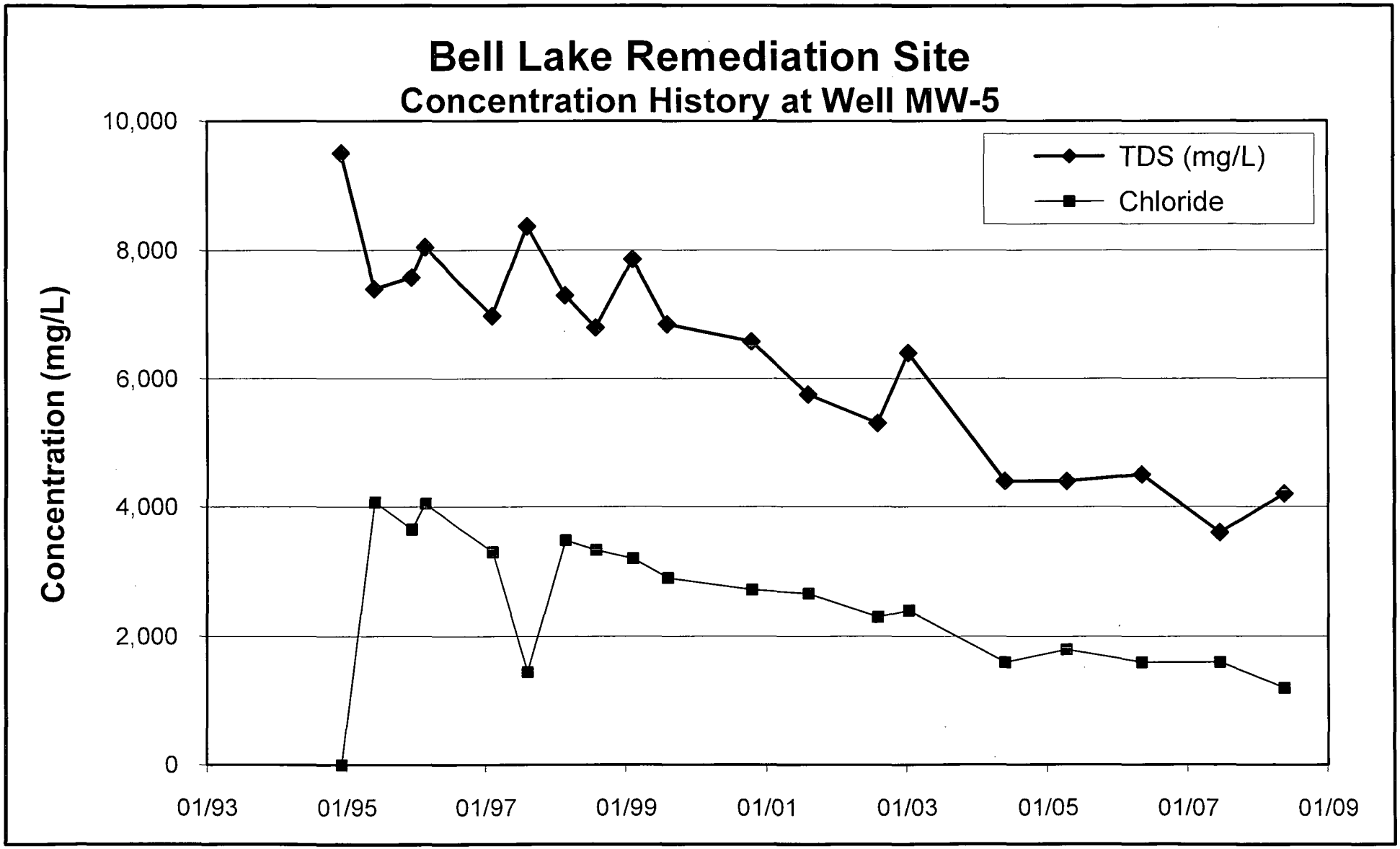

Bell Lake Remediation Site
Concentration History at Well SVE-11
Benzene
pH (units)
Concentration (ug/L)
pH (units)
1,000
800
600
400
200
0
12
10
8
6
4
2
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

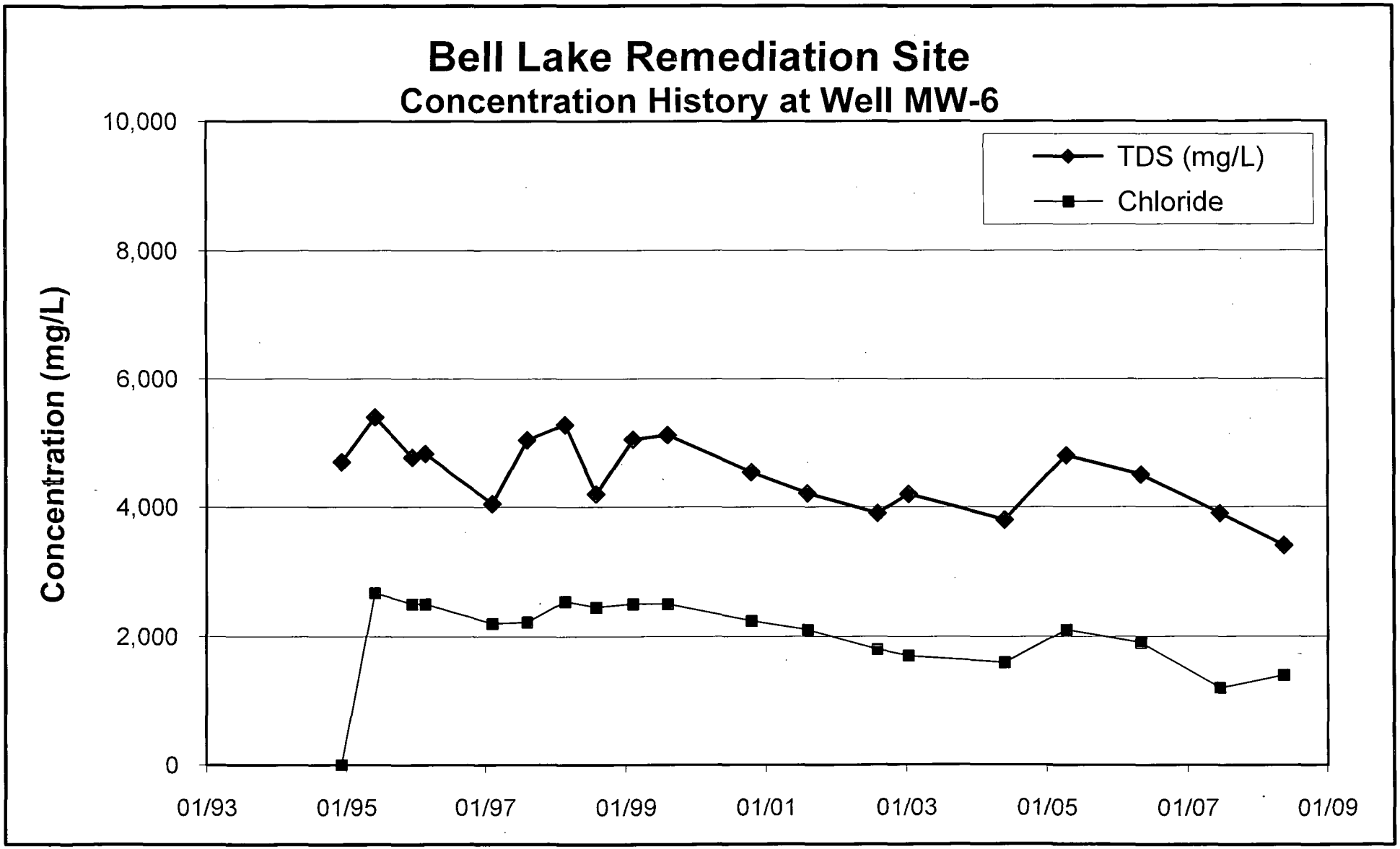
# CONCENTRATION HISTORY PLOTS

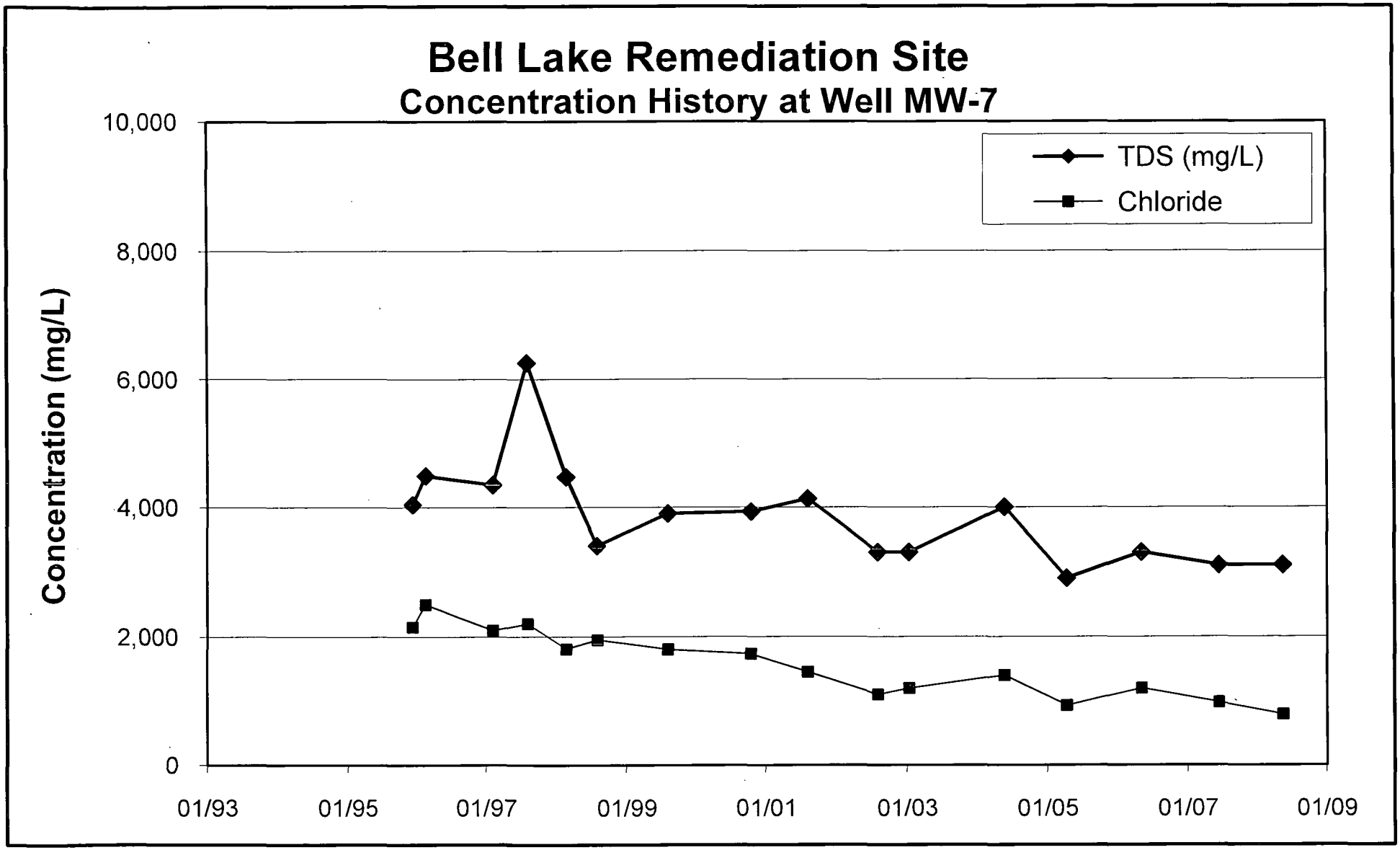
## TDS and Chloride

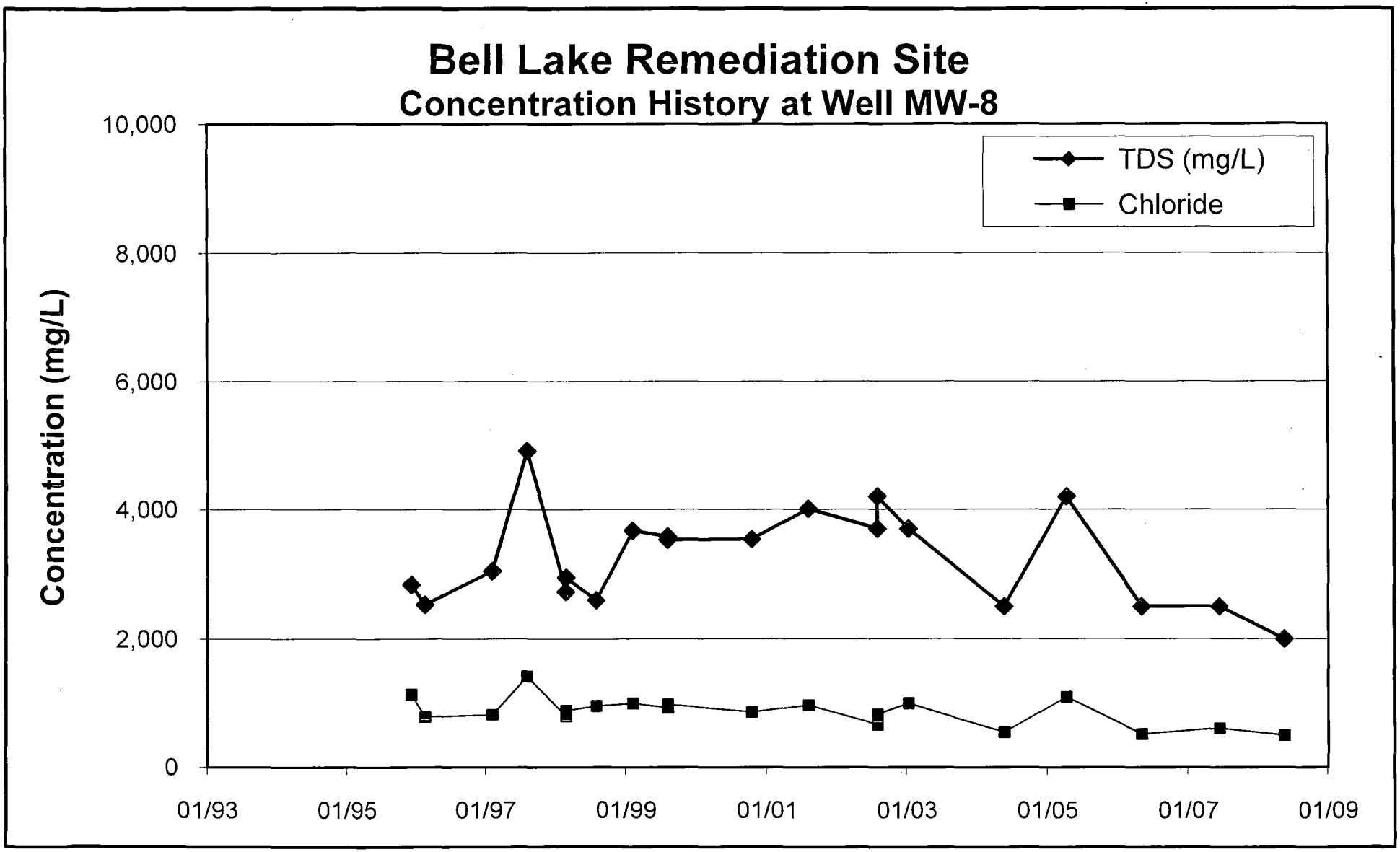

Bell Lake Remediation Site
Concentration History at Well MW-1
Concentration (mg/L)
10,000
8,000
6,000
4,000
2,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

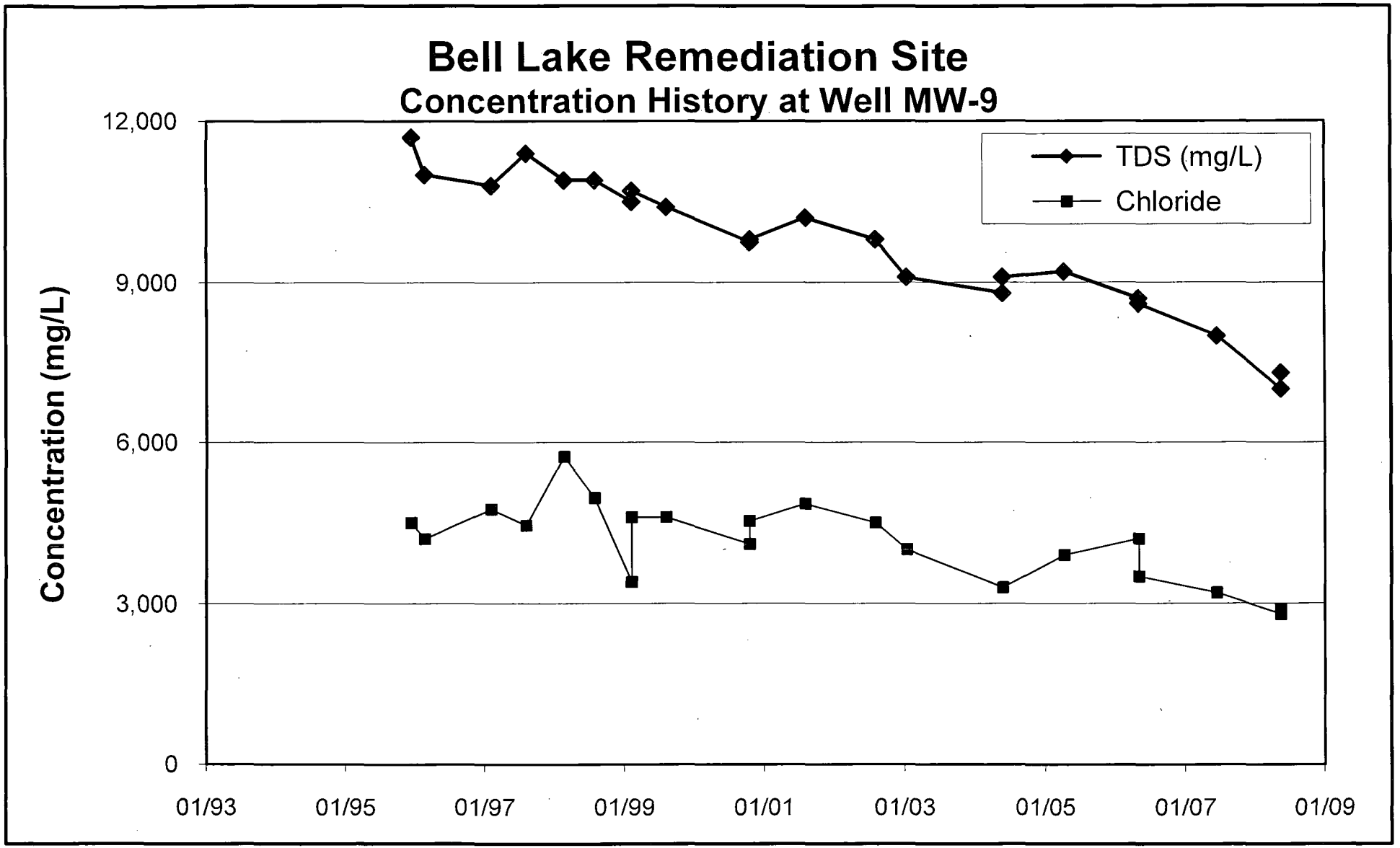

Bell Lake Remediation Site
Concentration History at Well MW-2
Concentration (mg/L)
10,000
8,000
6,000
4,000
2,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

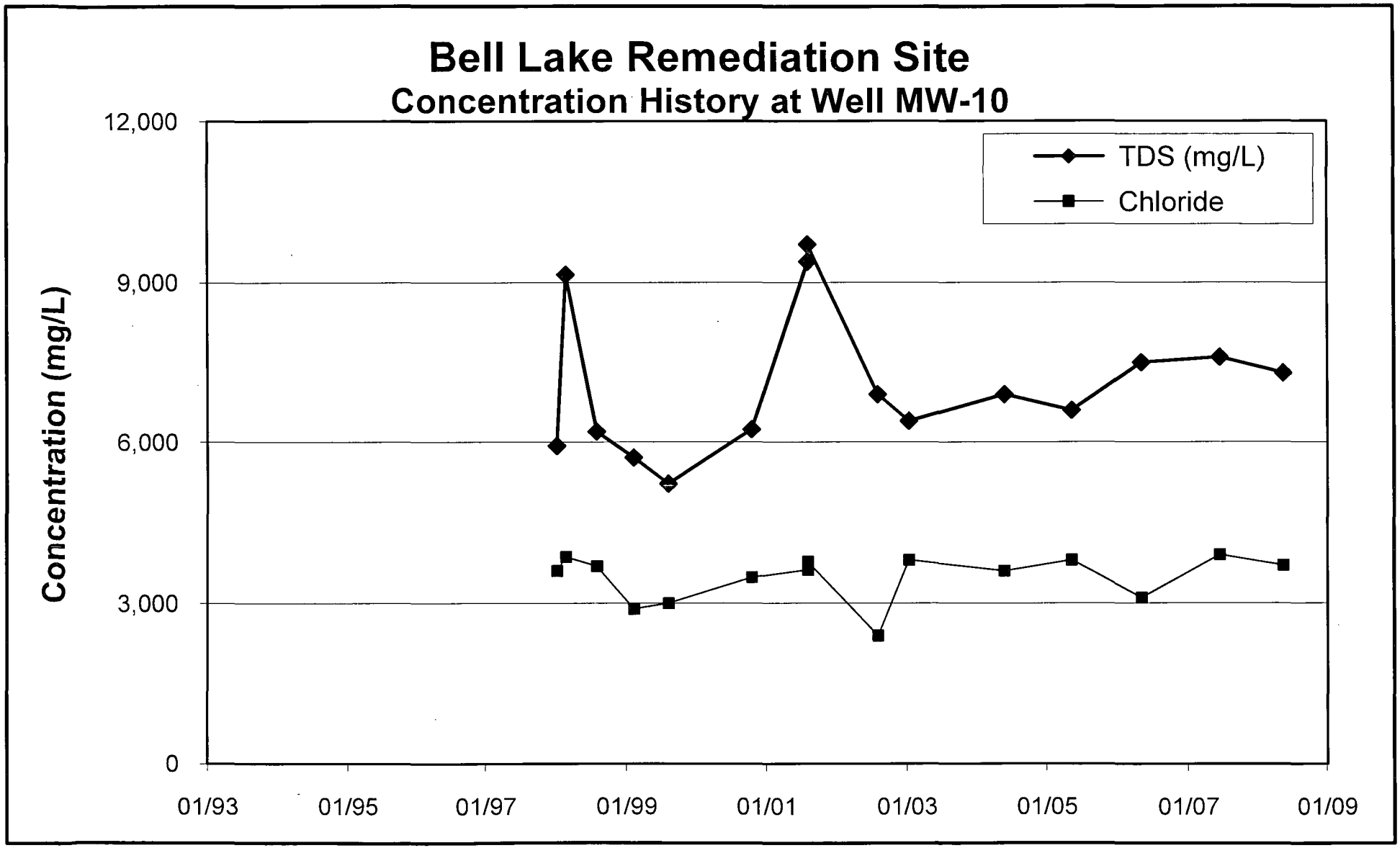

Bell Lake Remediation Site
Concentration History at Well MW-5
Concentration (mg/L)
10,000
8,000
6,000
4,000
2,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

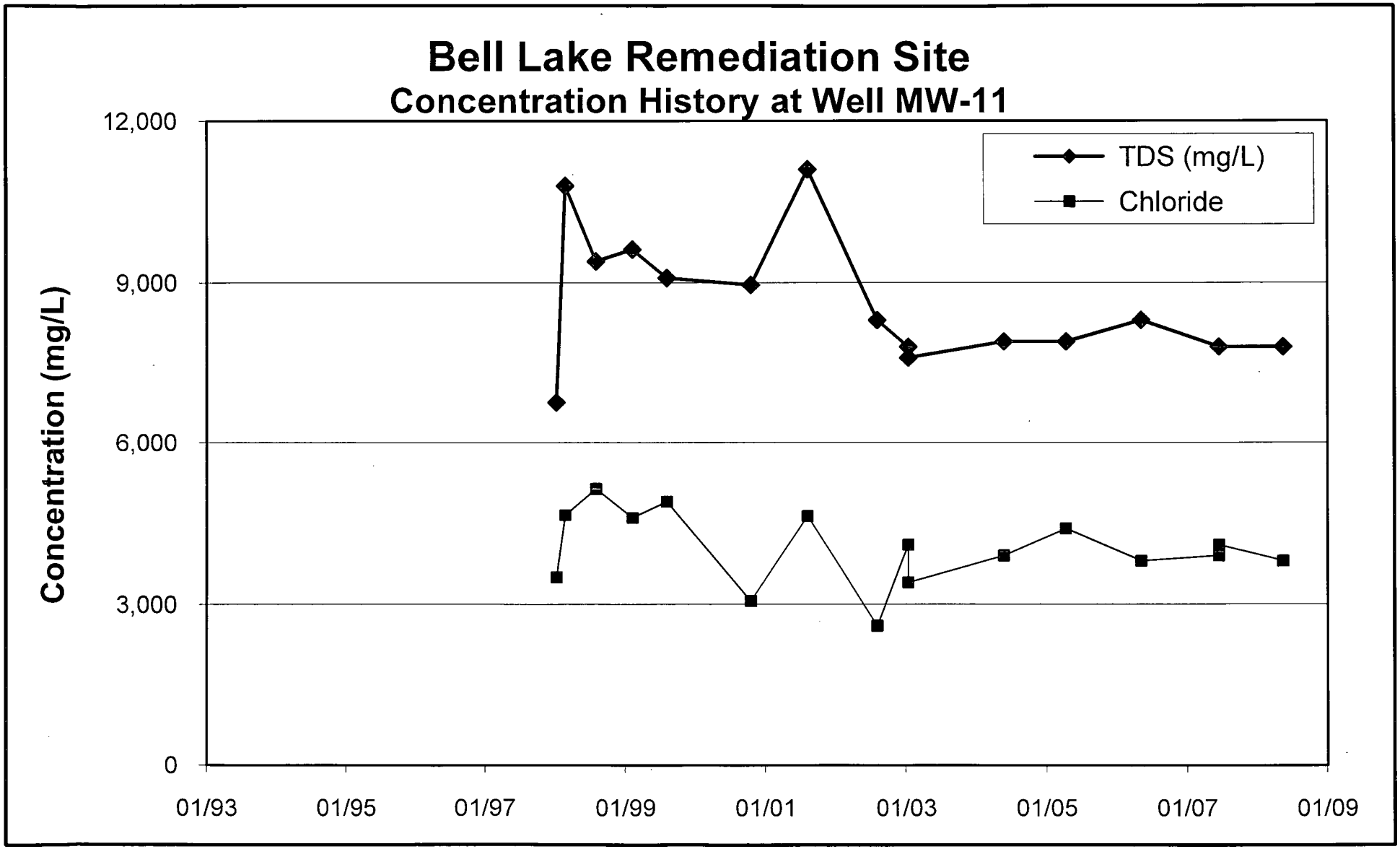

Bell Lake Remediation Site
Concentration History at Well MW-6
Concentration (mg/L)
10,000
8,000
6,000
4,000
2,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

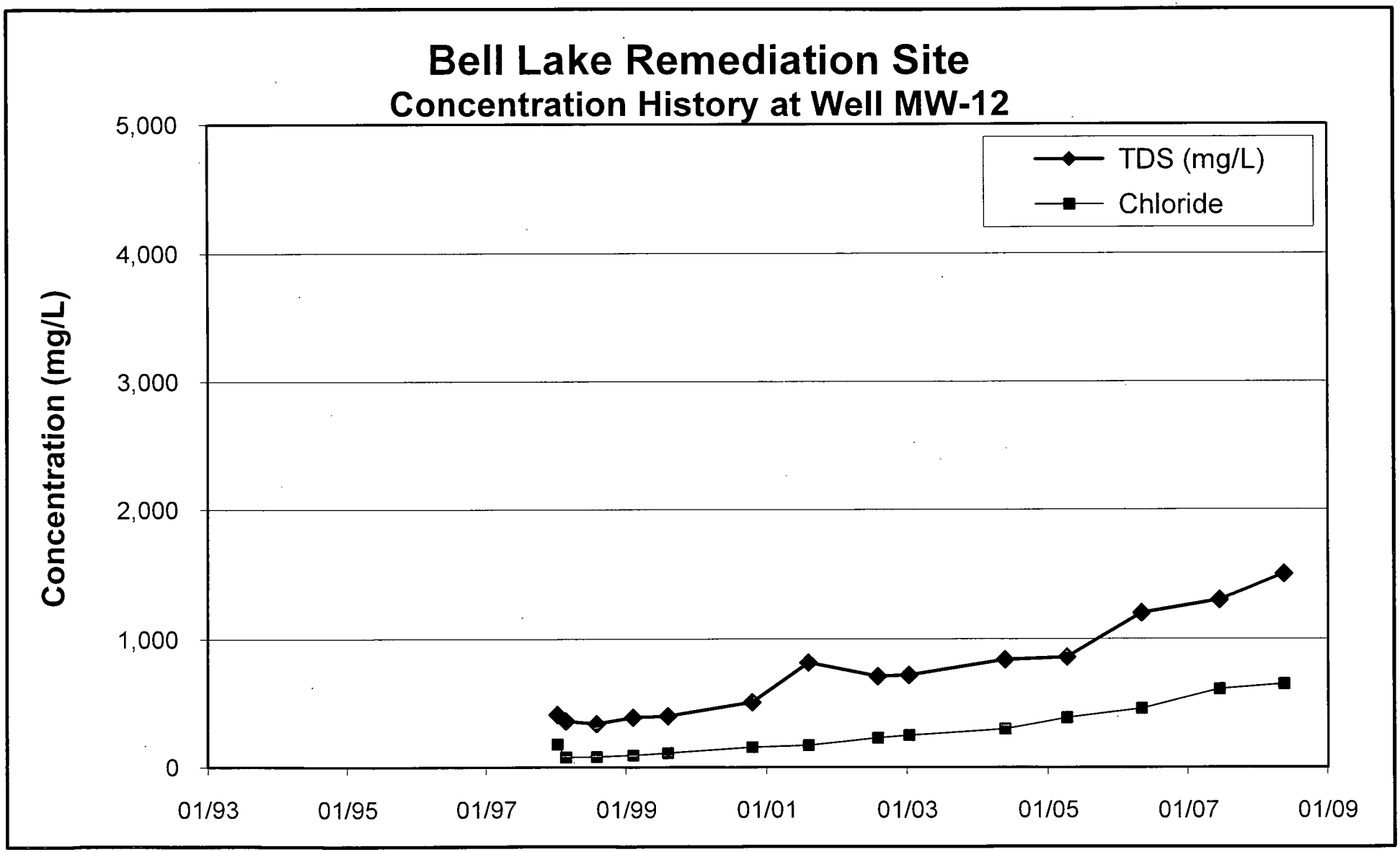

Bell Lake Remediation Site
Concentration History at Well MW-7
Concentration (mg/L)
10,000
8,000
6,000
4,000
2,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

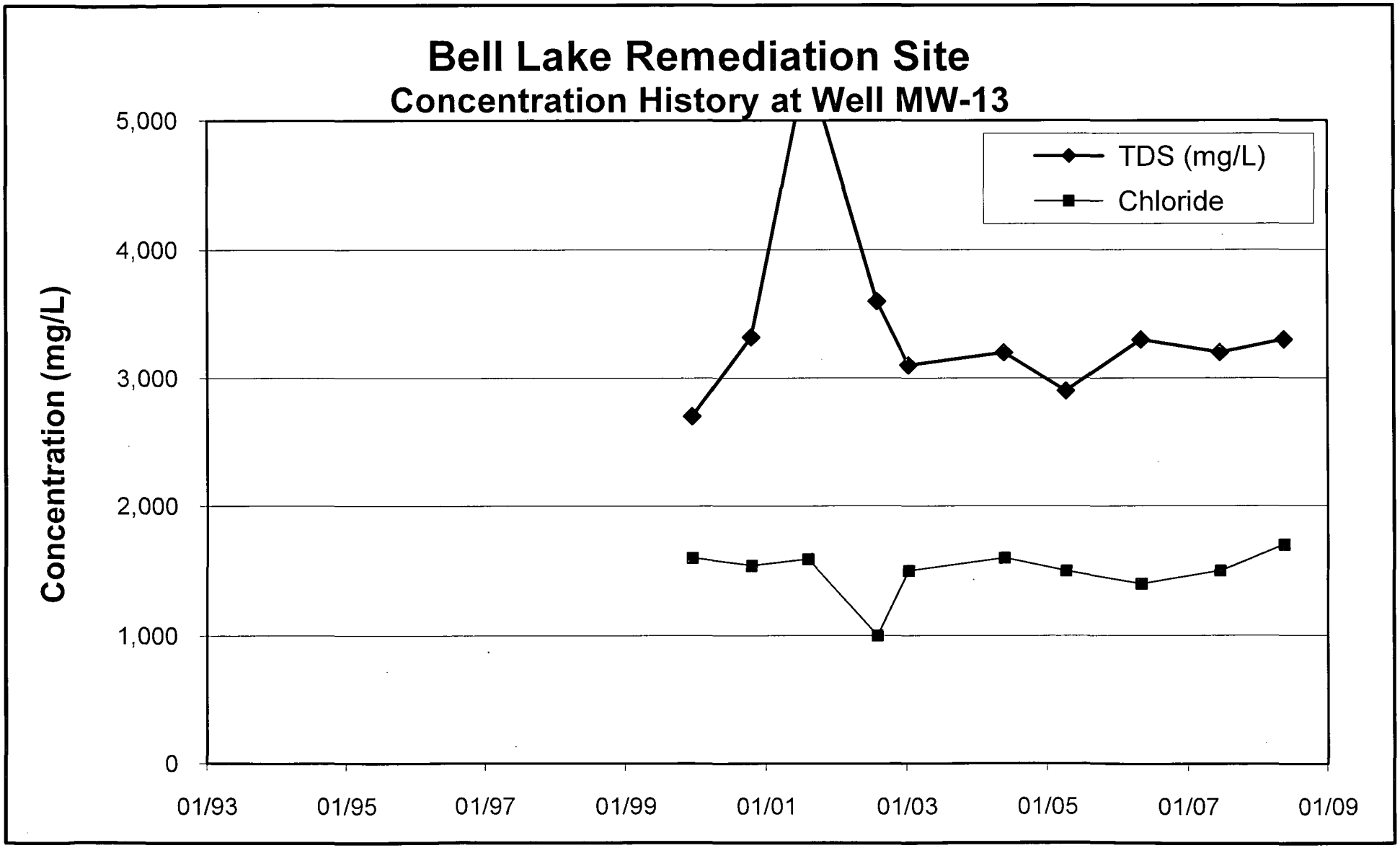

Bell Lake Remediation Site
Concentration History at Well MW-8
Concentration (mg/L)
10,000
8,000
6,000
4,000
2,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

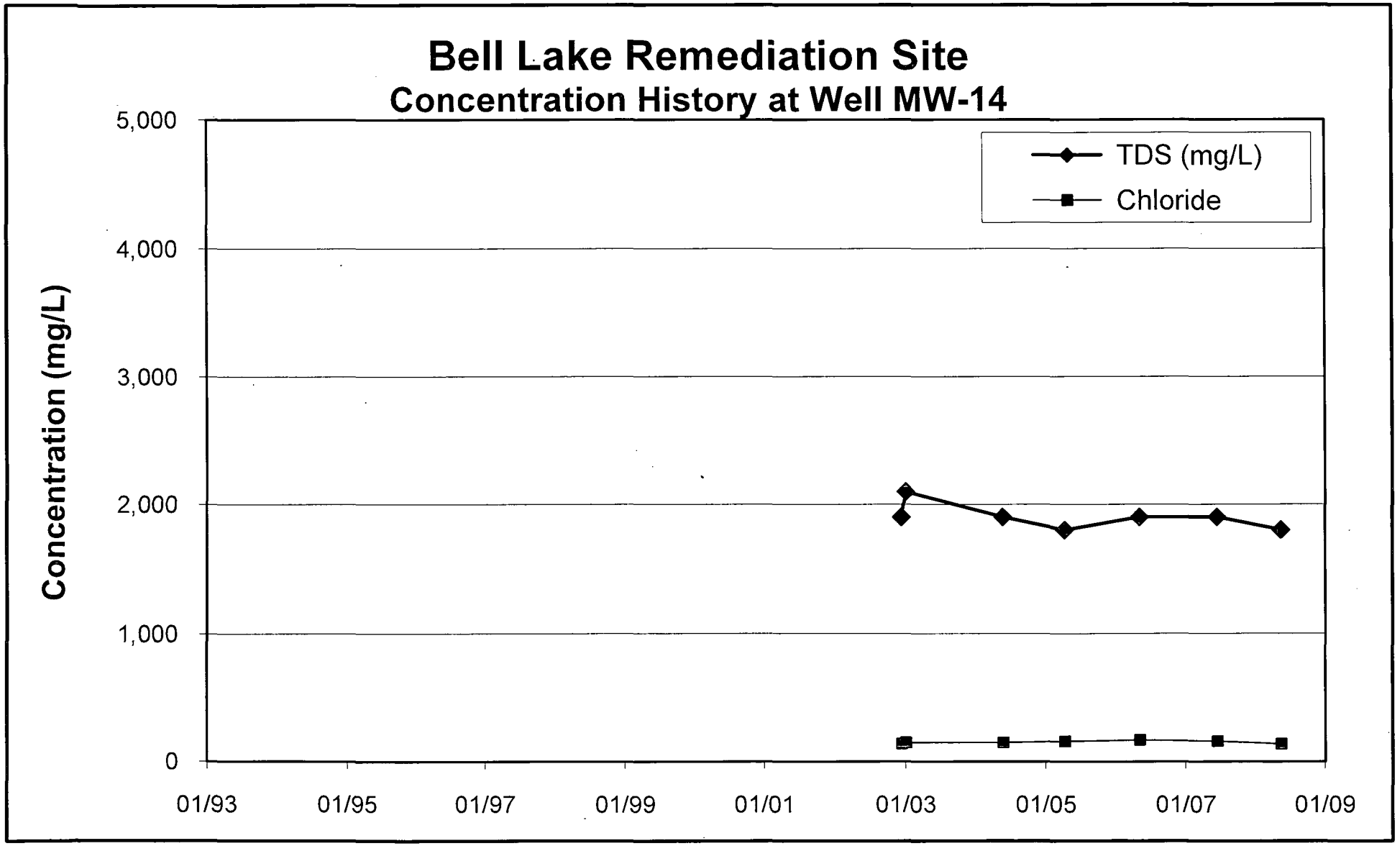

Bell Lake Remediation Site
Concentration History at Well MW-9
Concentration (mg/L)
12,000
9,000
6,000
3,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

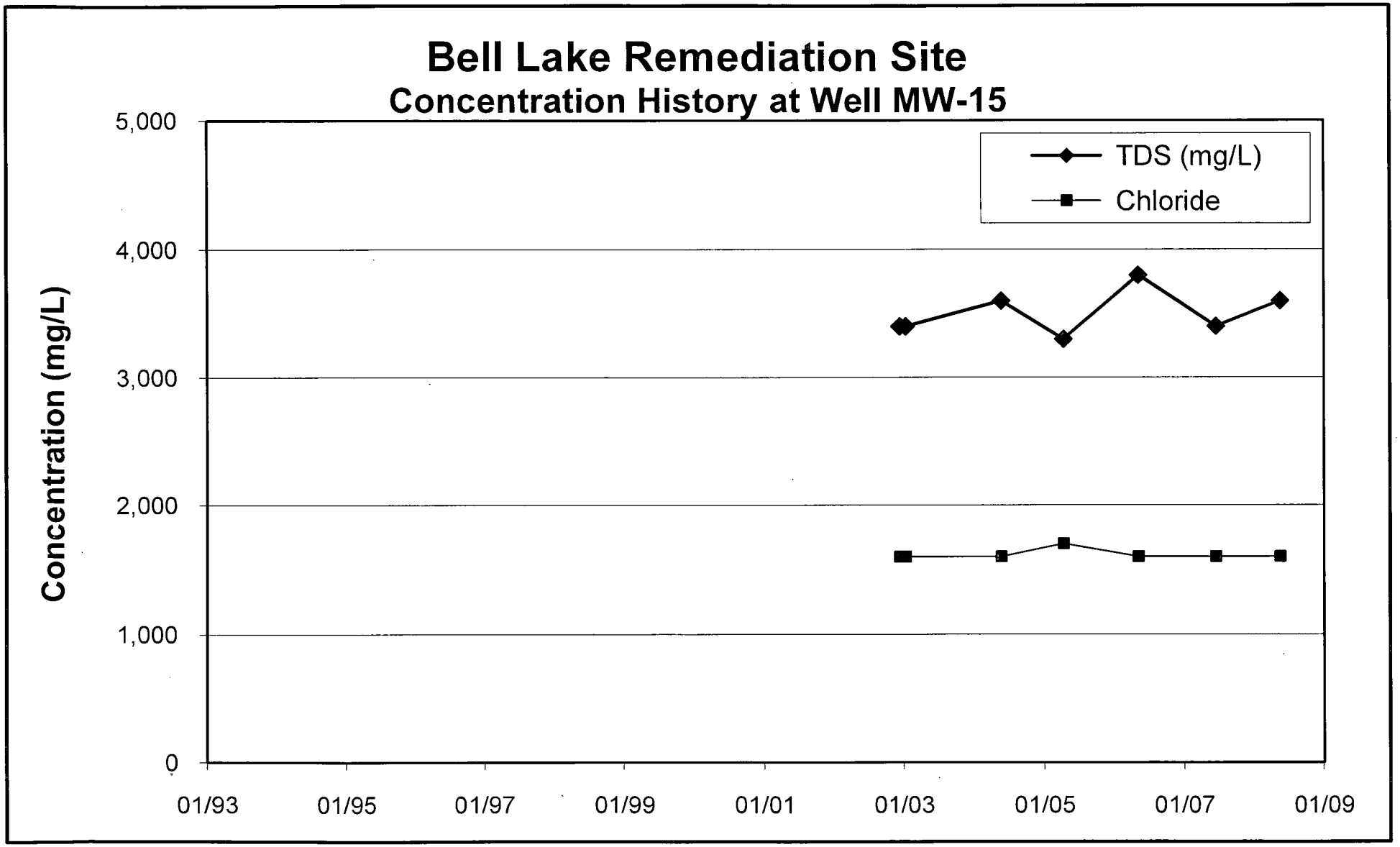

Bell Lake Remediation Site
Concentration History at Well MW-10
Concentration (mg/L)
12,000
9,000
6,000
3,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

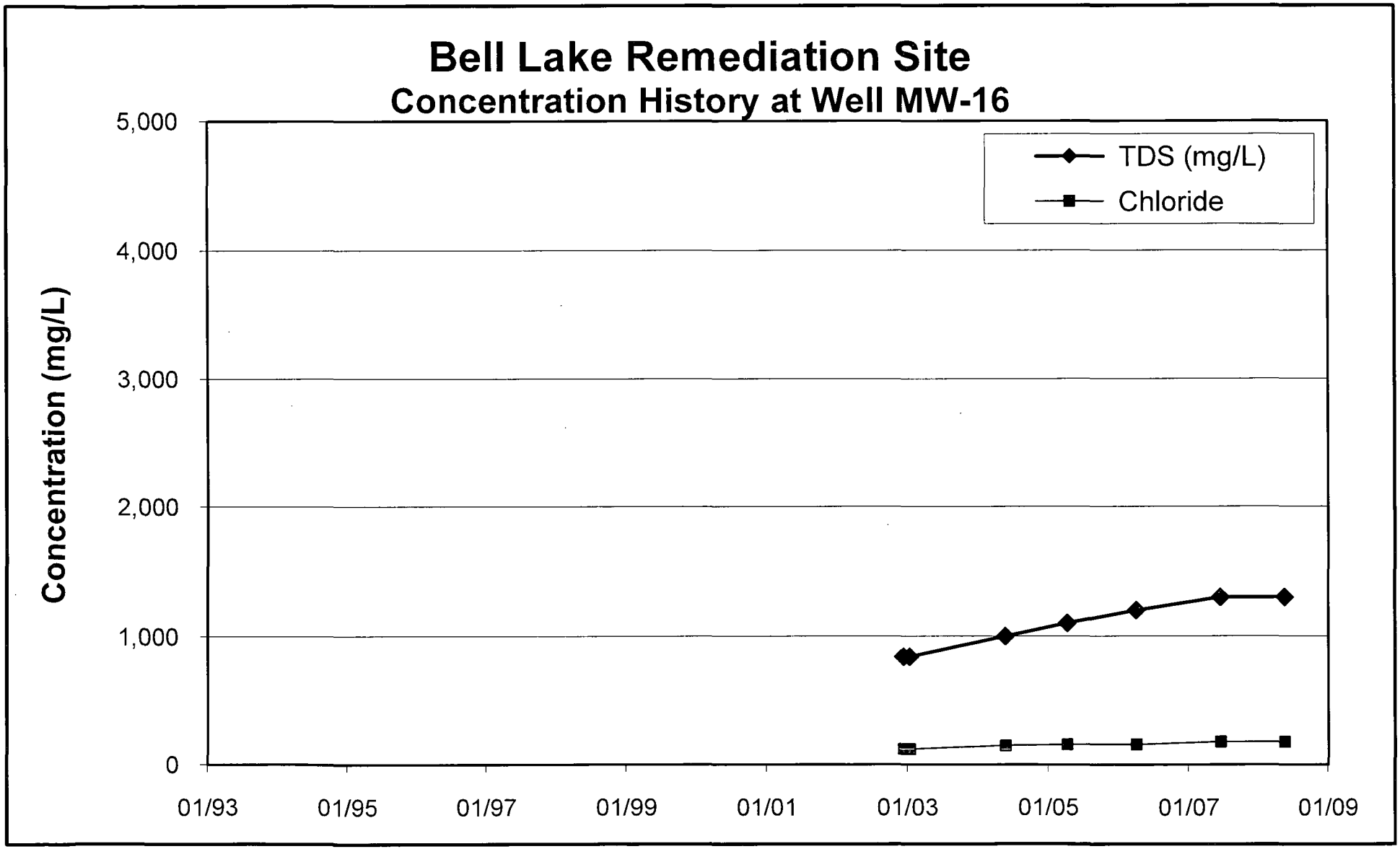

Bell Lake Remediation Site
Concentration History at Well MW-11
Concentration (mg/L)
12,000
9,000
6,000
3,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

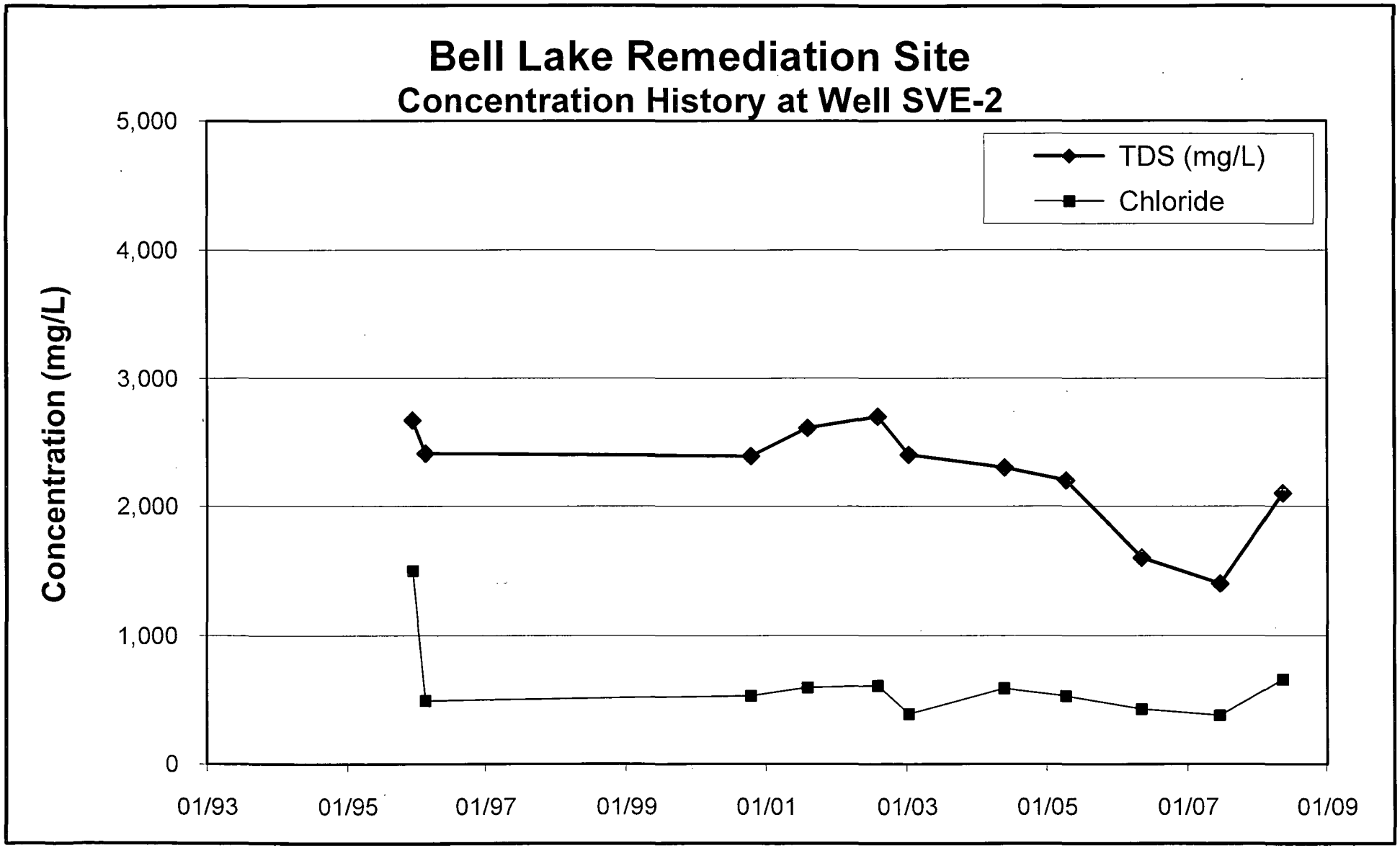

Bell Lake Remediation Site
Concentration History at Well MW-12
Concentration (mg/L)
5,000
4,000
3,000
2,000
1,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

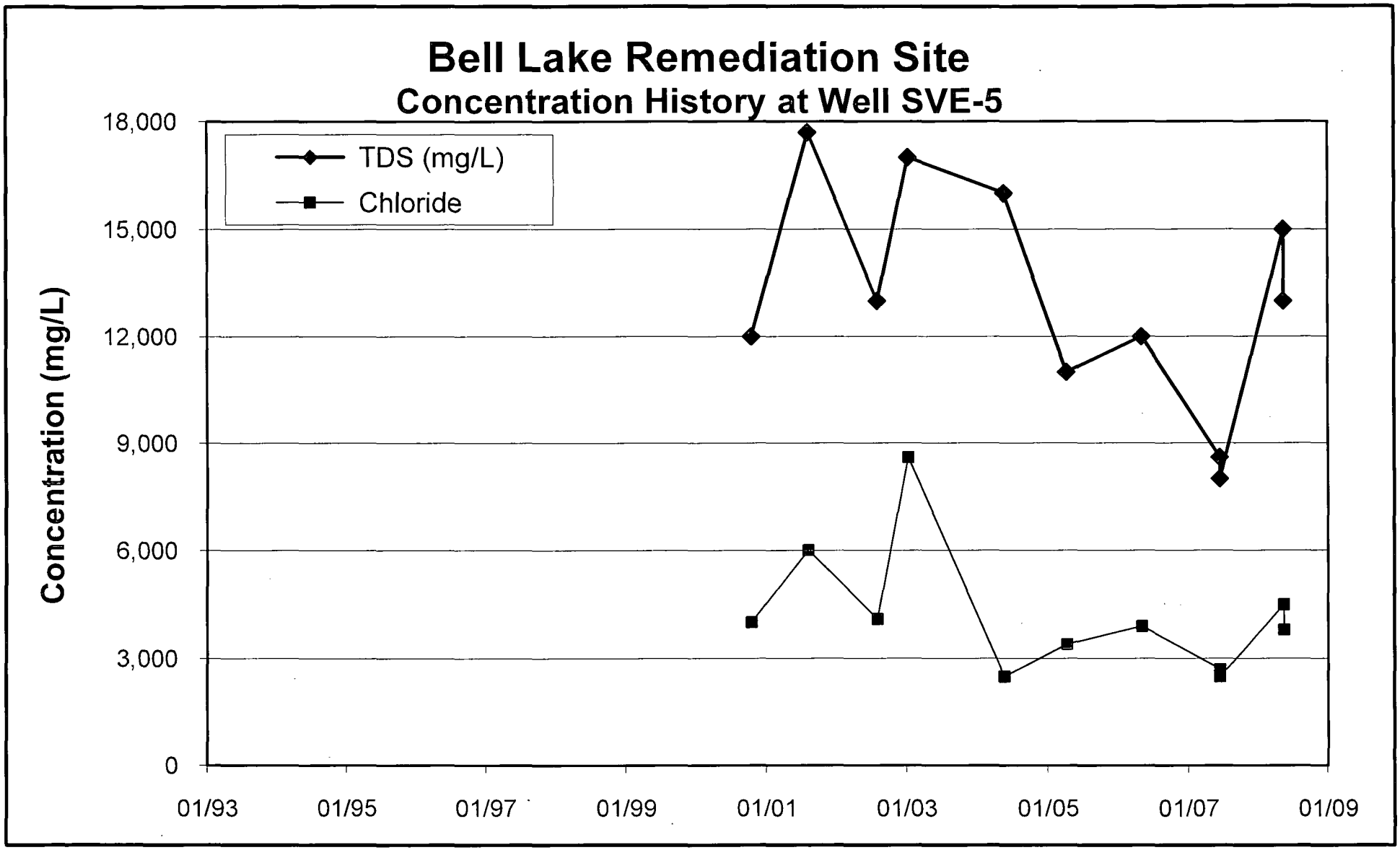

Bell Lake Remediation Site
Concentration History at Well MW-13
Concentration (mg/L)
5,000
4,000
3,000
2,000
1,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

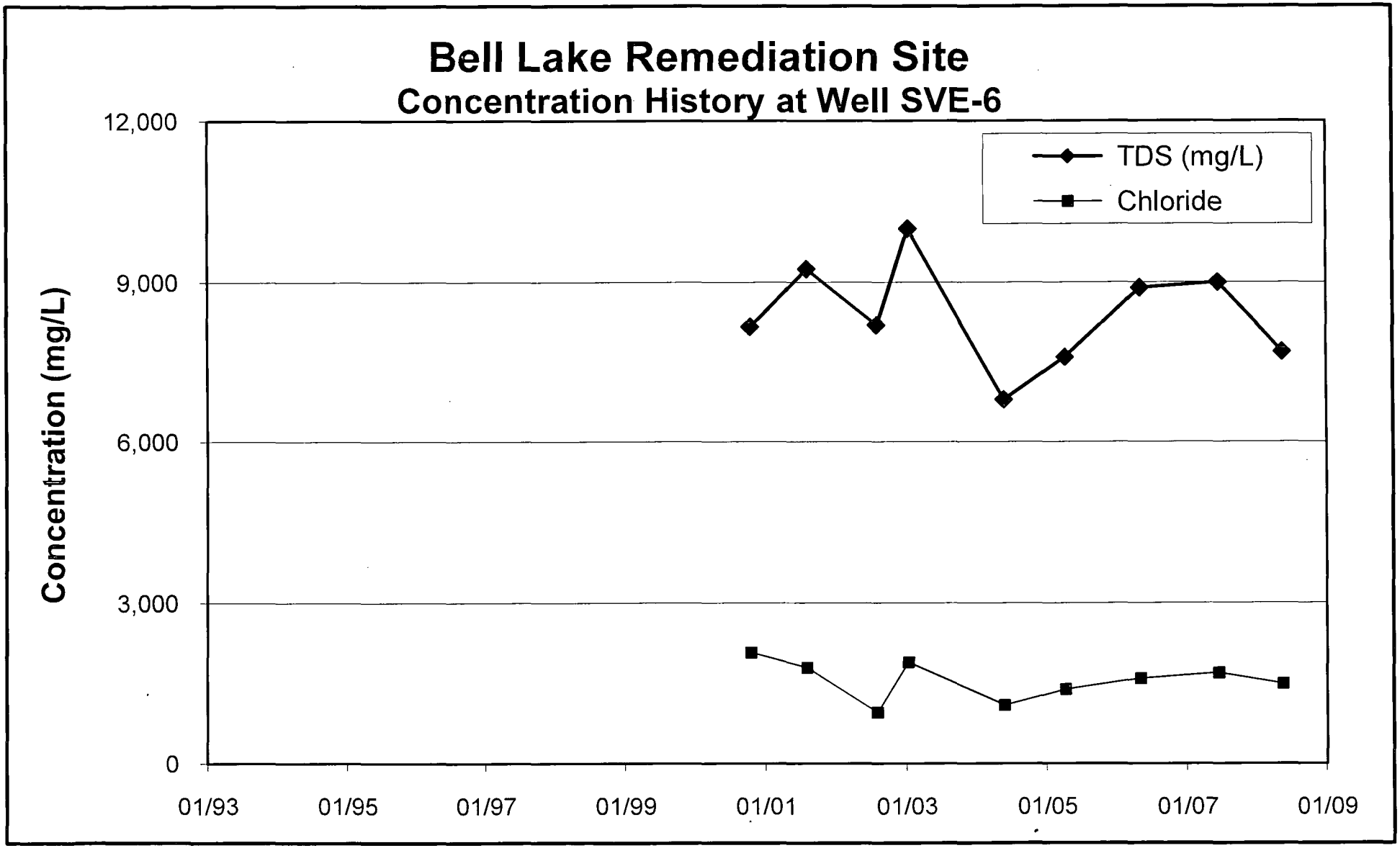

Bell Lake Remediation Site
Concentration History at Well MW-14
Concentration (mg/L)
5,000
4,000
3,000
2,000
1,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

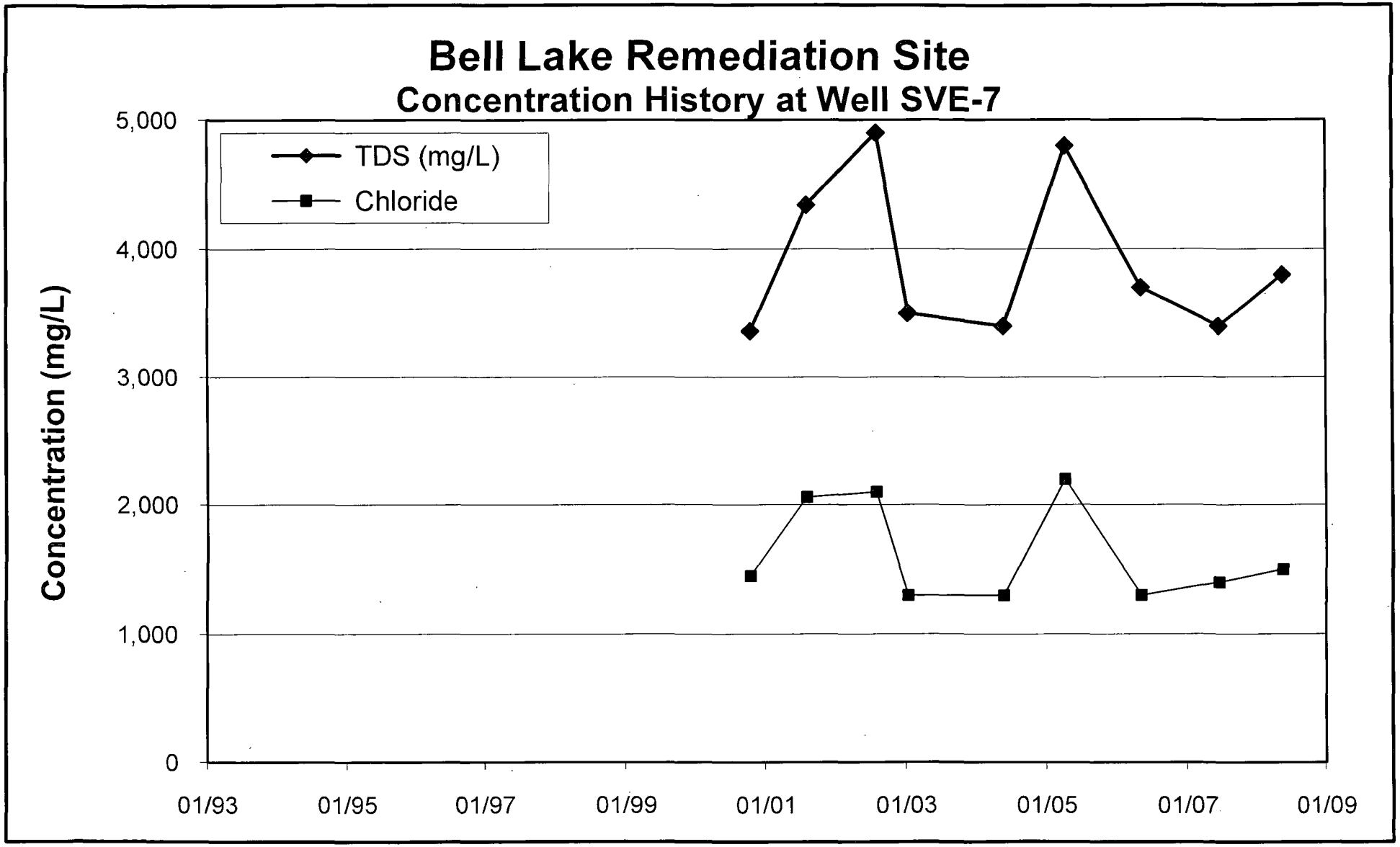

Bell Lake Remediation Site
Concentration History at Well MW-15
Concentration (mg/L)
5,000
4,000
3,000
2,000
1,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

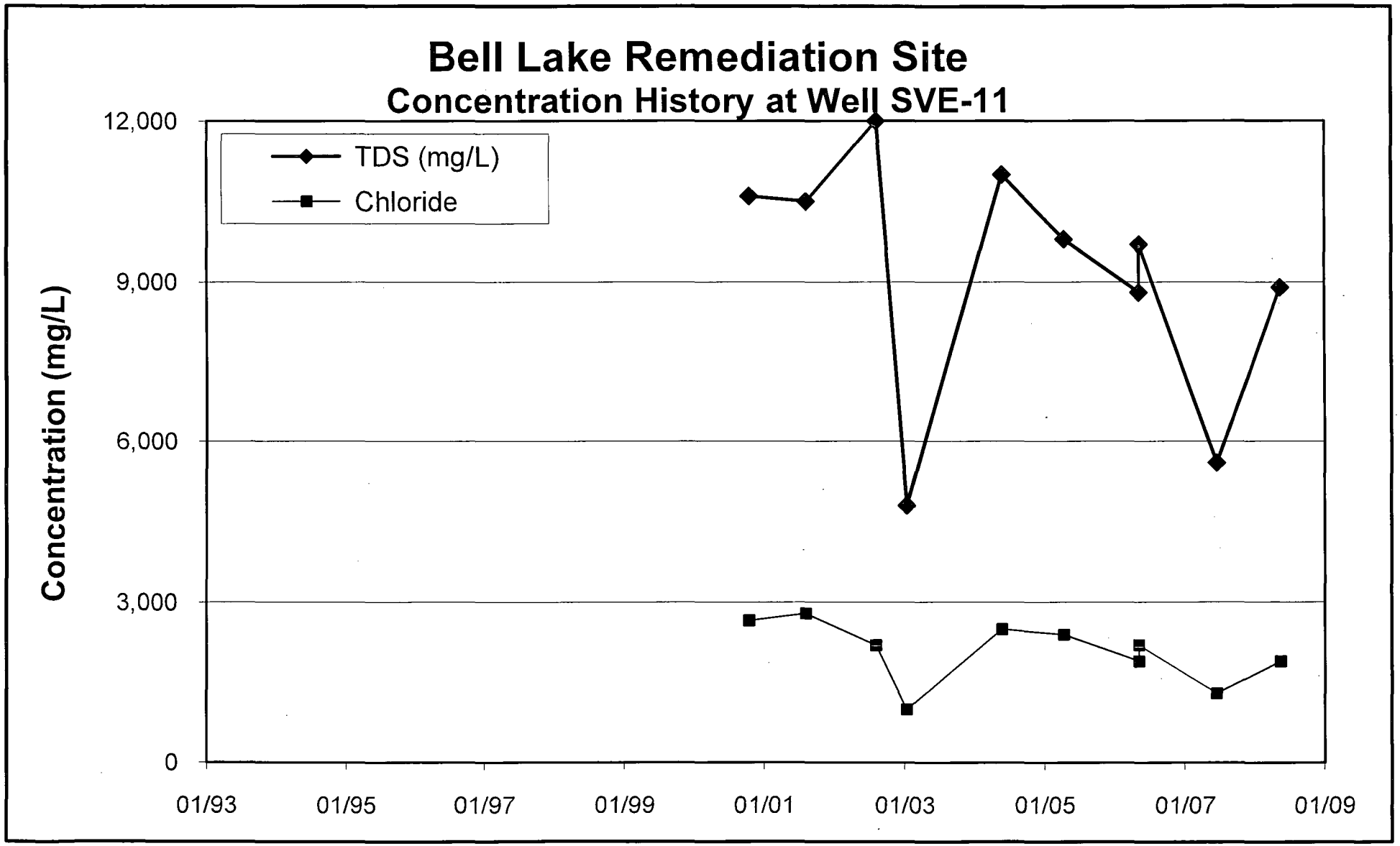

Bell Lake Remediation Site
Concentration History at Well MW-16
Concentration (mg/L)
5,000
4,000
3,000
2,000
1,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

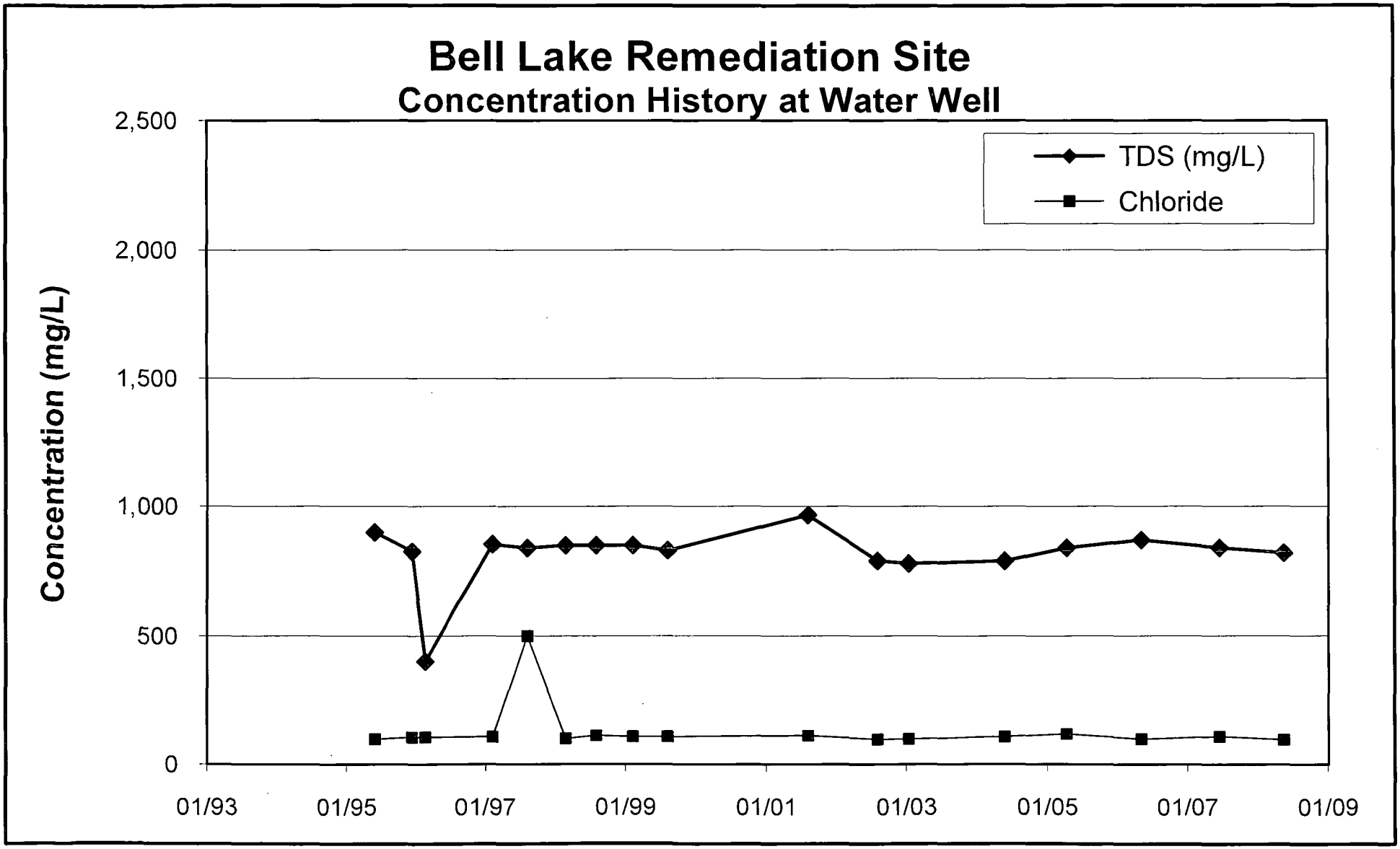

Bell Lake Remediation Site
Concentration History at Well SVE-2
Concentration (mg/L)
5,000
4,000
3,000
2,000
1,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride


Bell Lake Remediation Site
Concentration History at Well SVE-5
Concentration (mg/L)
18,000
15,000
12,000
9,000
6,000
3,000
0
TDS (mg/L)
Chloride
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09


Bell Lake Remediation Site
Concentration History at Well SVE-6
Concentration (mg/L)
12,000
9,000
6,000
3,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

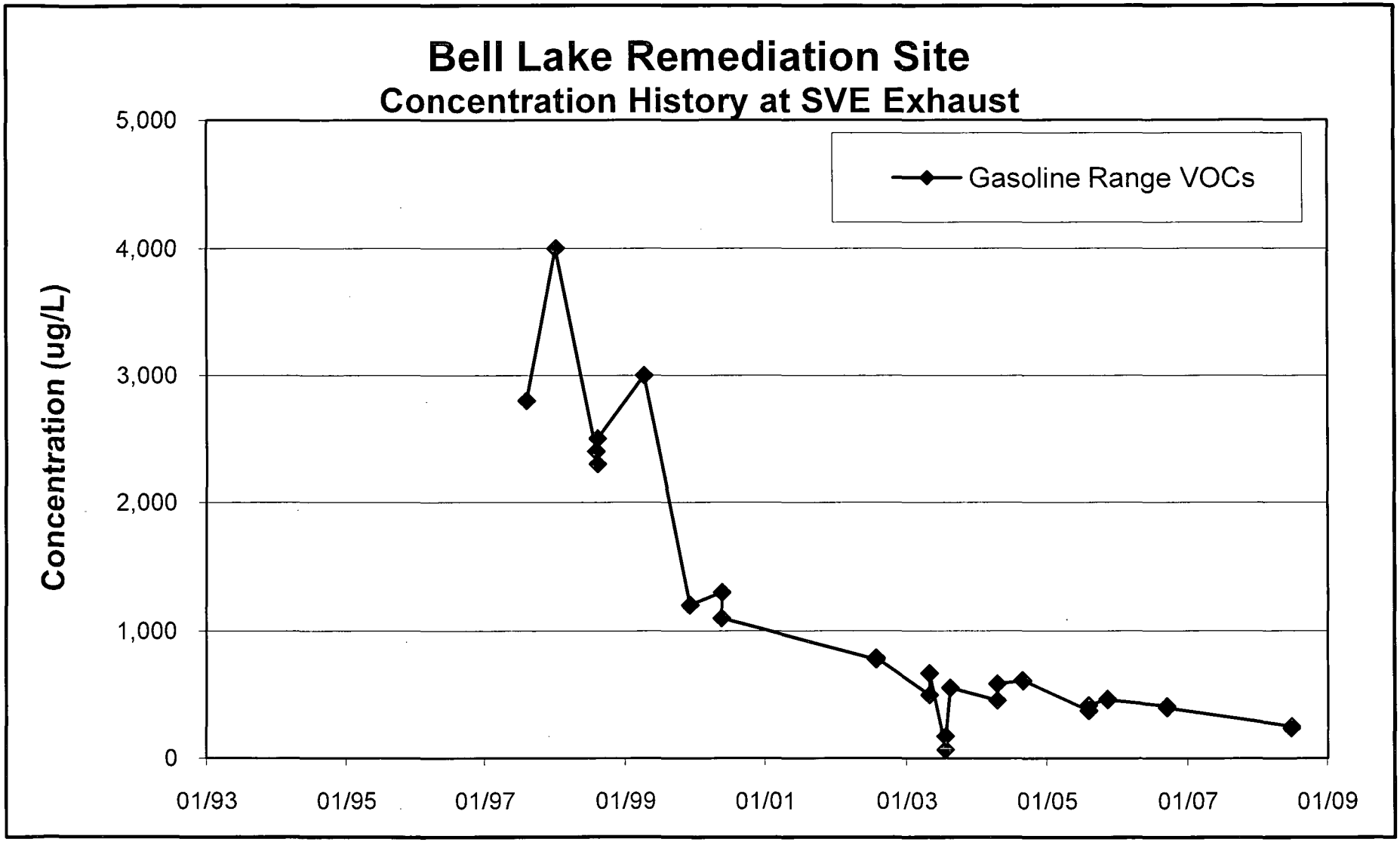

Bell Lake Remediation Site
Concentration History at Well SVE-7
Concentration (mg/L)
5,000
4,000
3,000
2,000
1,000
0
TDS (mg/L)
Chloride
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09


Bell Lake Remediation Site
Concentration History at Well SVE-11
Concentration (mg/L)
12,000
9,000
6,000
3,000
0
TDS (mg/L)
Chloride
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

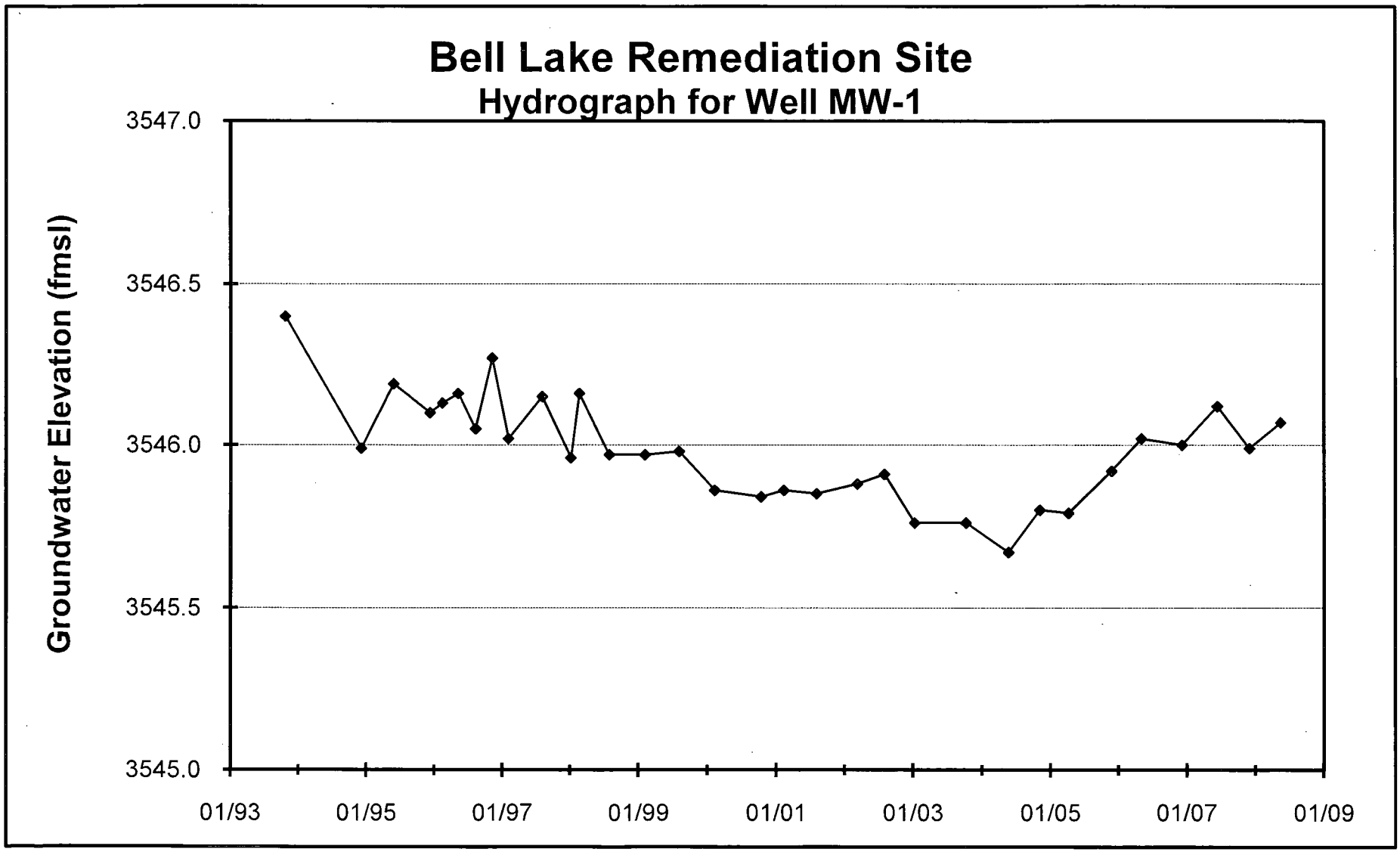

Bell Lake Remediation Site
Concentration History at Water Well
Concentration (mg/L)
2,500
2,000
1,500
1,000
500
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
TDS (mg/L)
Chloride

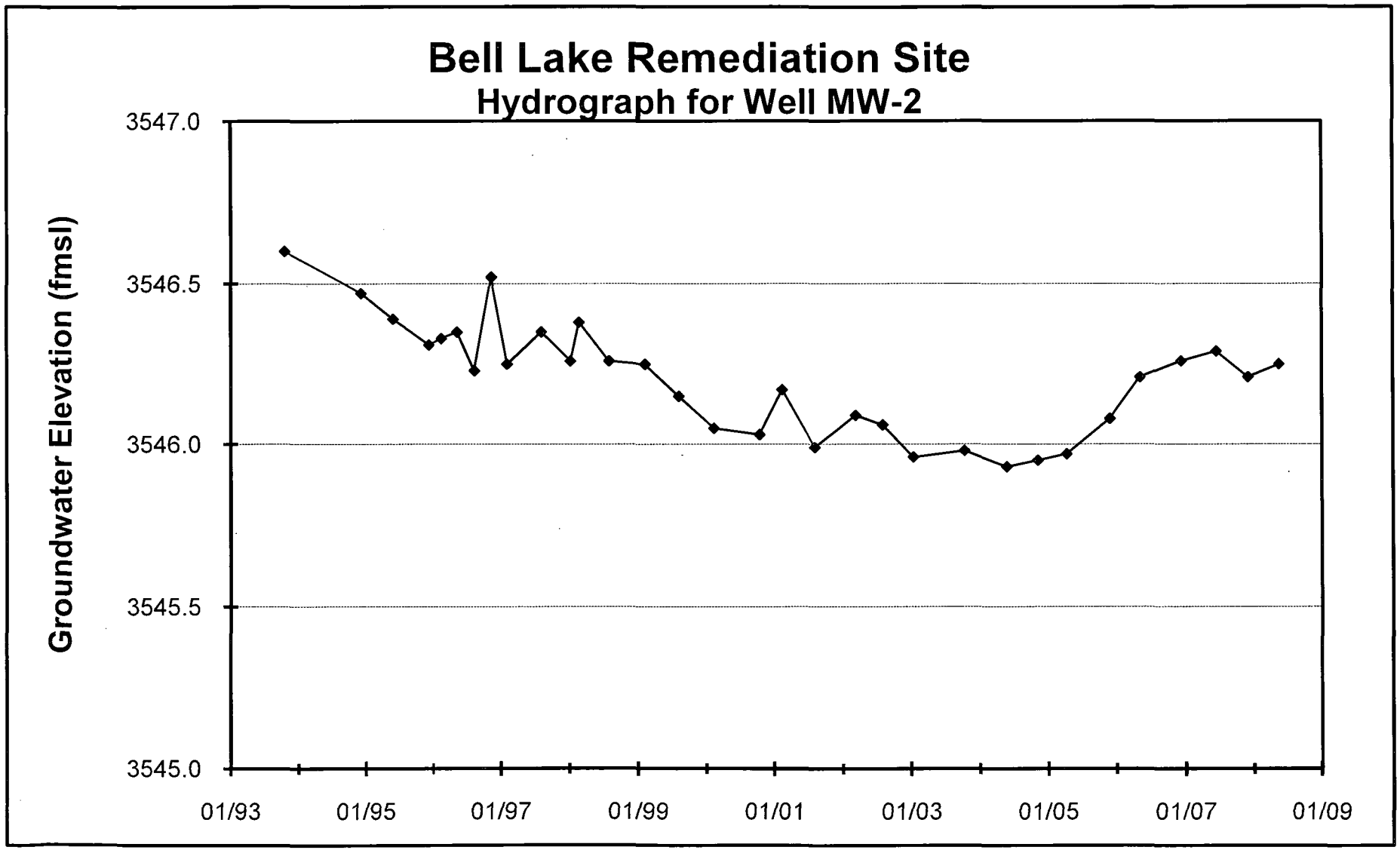
# CONCENTRATION HISTORY PLOT

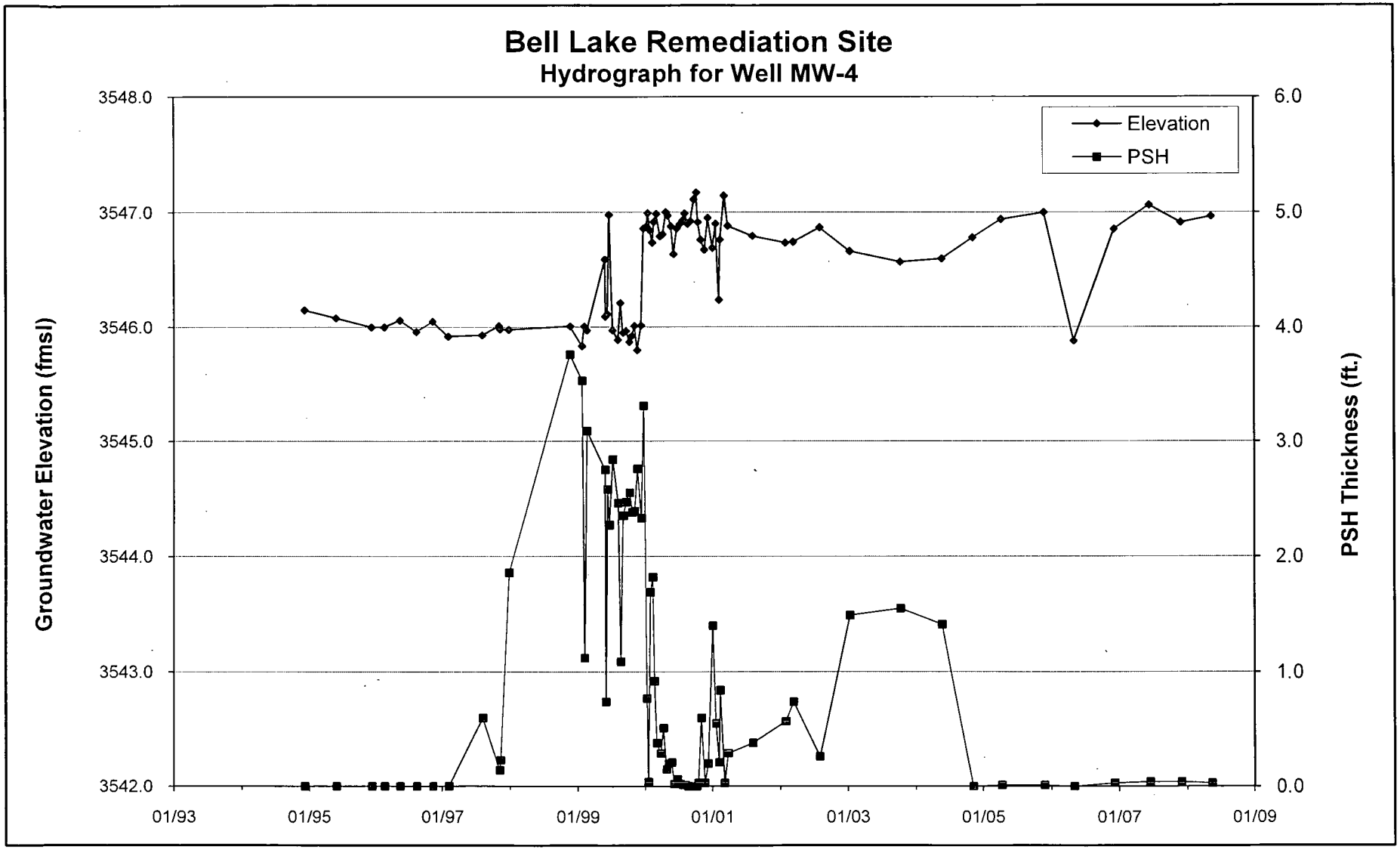
## SVE System Exhaust

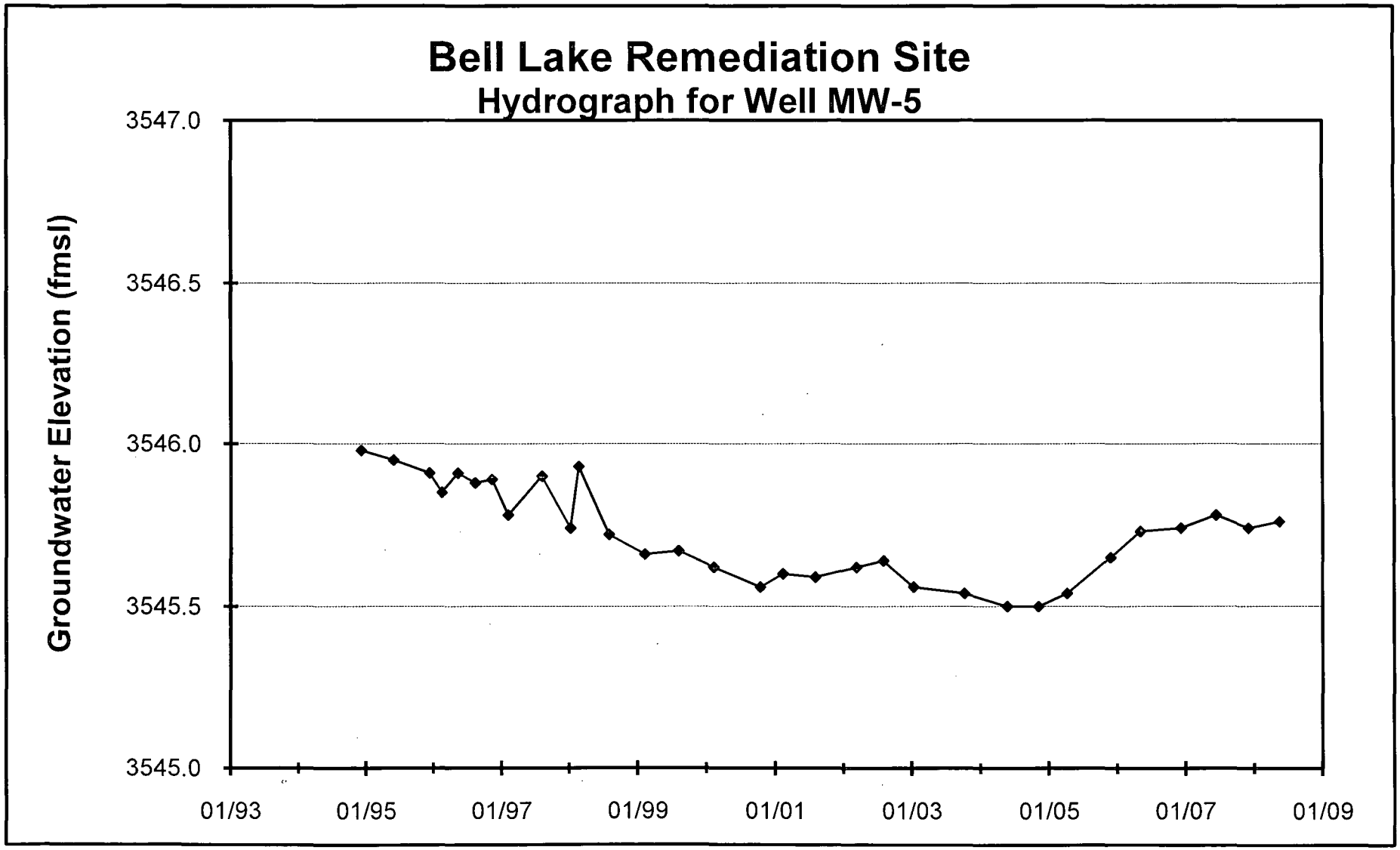

Bell Lake Remediation Site
Concentration History at SVE Exhaust
Concentration (ug/L)
5,000
4,000
3,000
2,000
1,000
0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09
Gasoline Range VOCs

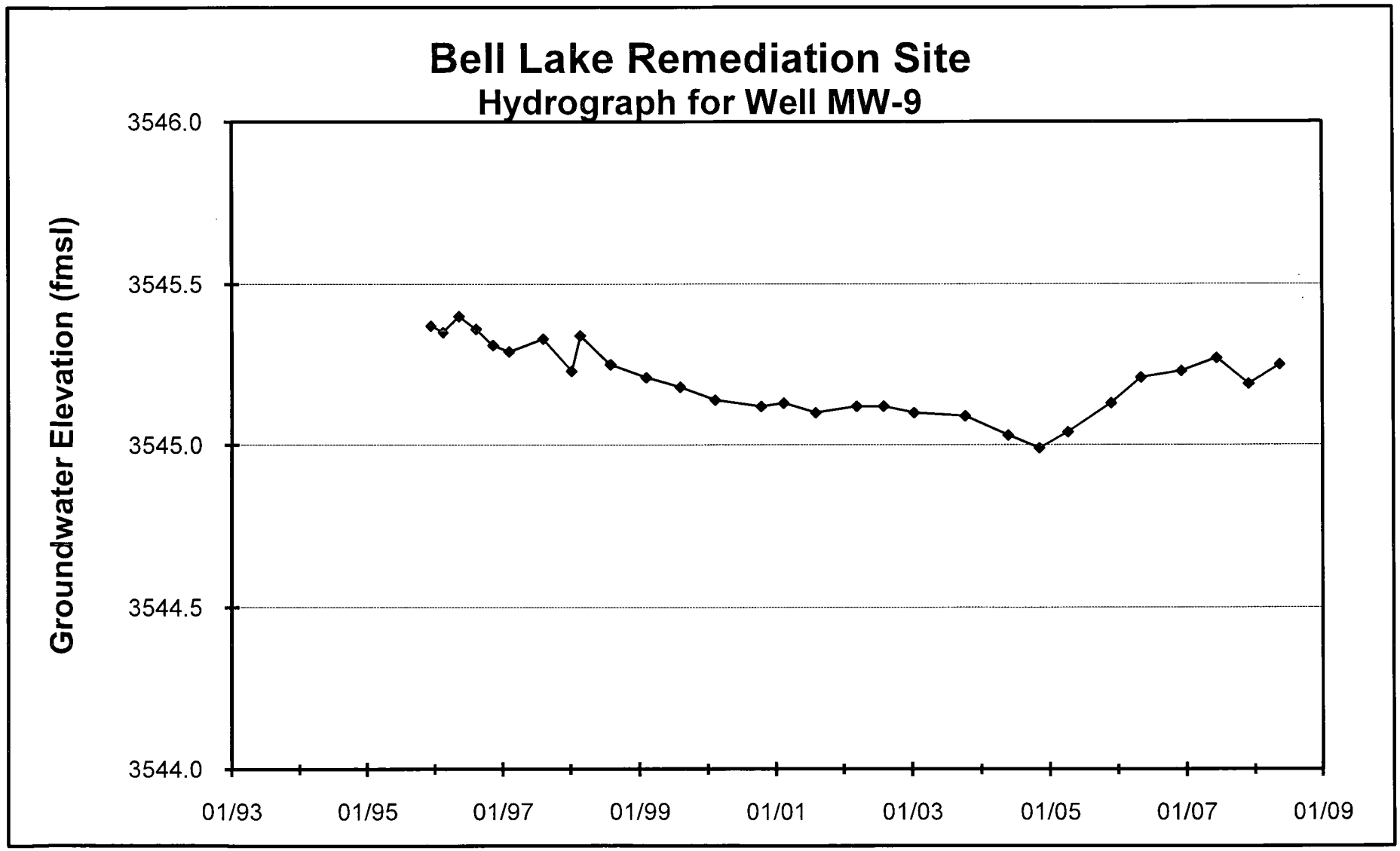
# HYDROGRAPHS

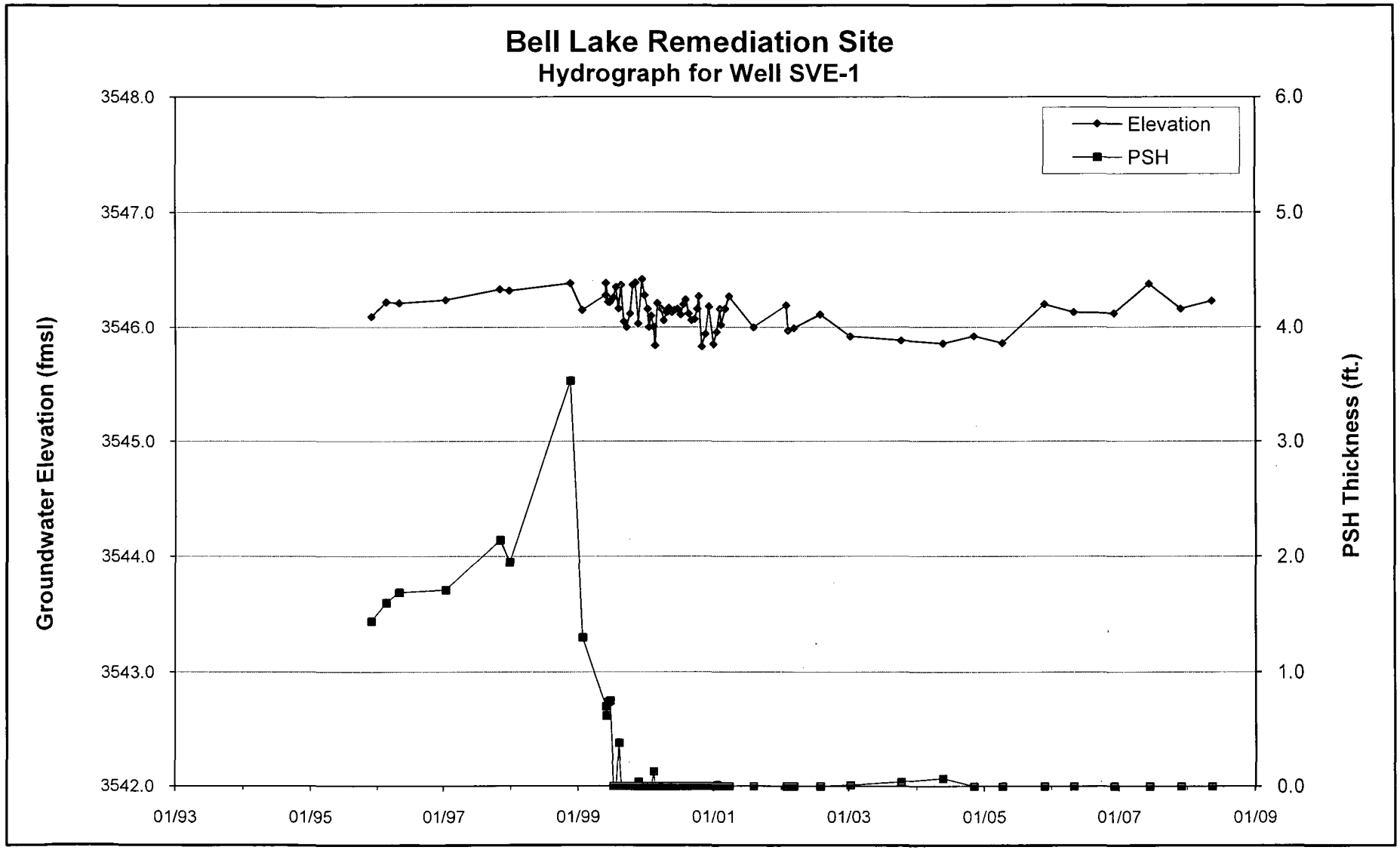

Bell Lake Remediation Site
Hydrograph for Well MW-1
Groundwater Elevation (fmsl)
3547.0
3546.5
3546.0
3545.5
3545.0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

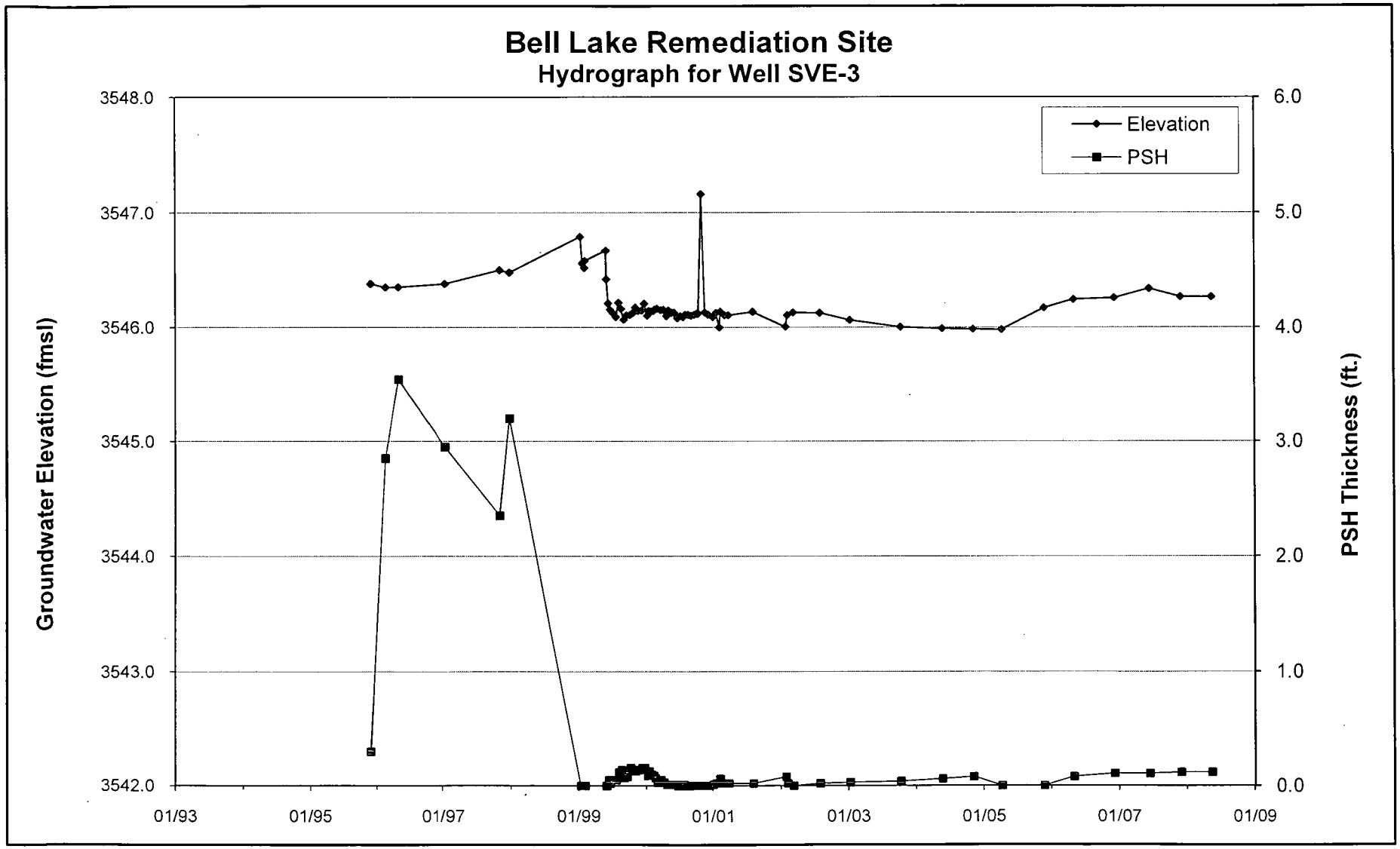

Bell Lake Remediation Site
Hydrograph for Well MW-2
Groundwater Elevation (fmsl)
3547.0
3546.5
3546.0
3545.5
3545.0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

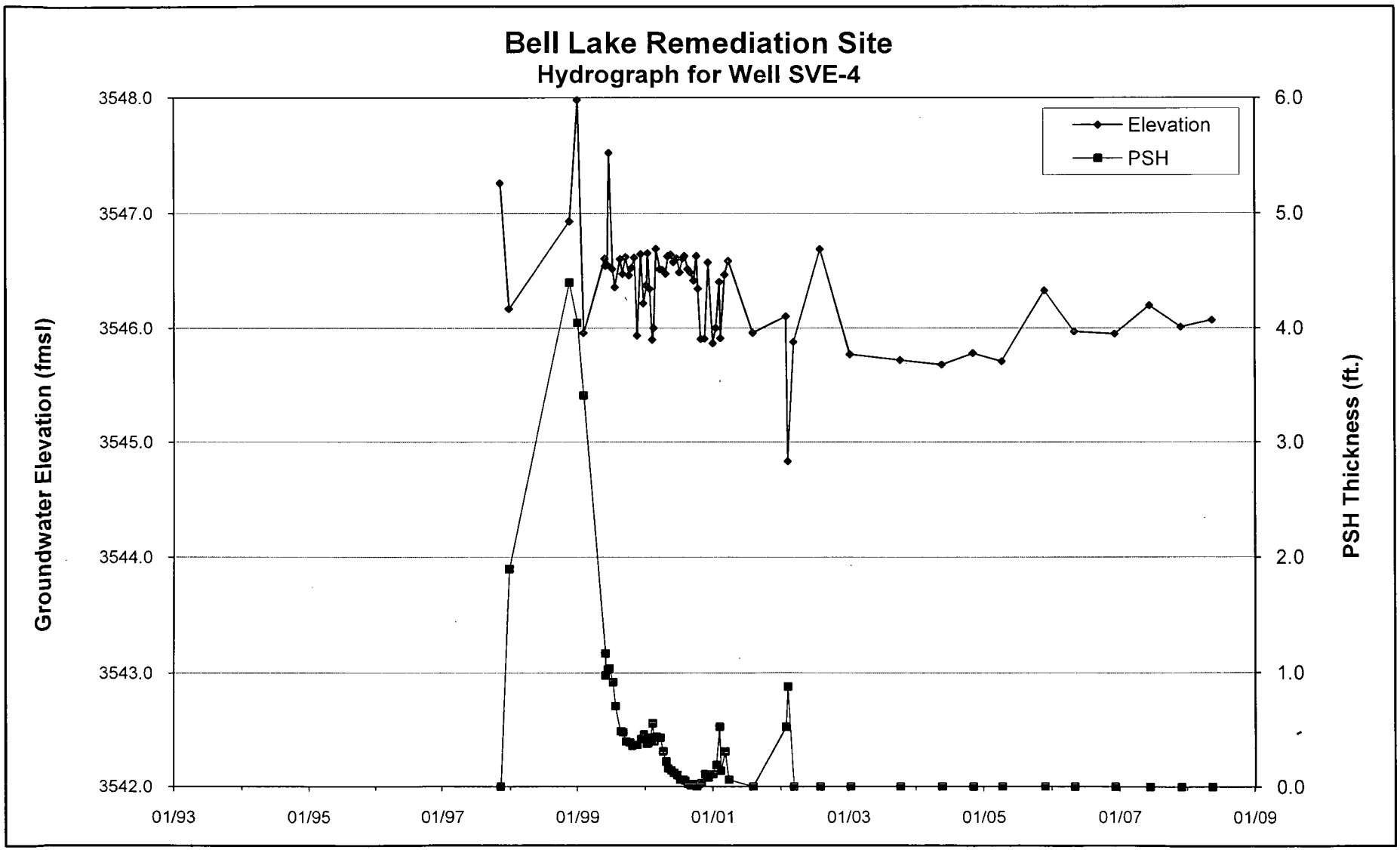

Bell Lake Remediation Site
Hydrograph for Well MW-4
Groundwater Elevation (fmsl)
PSH Thickness (ft.)
Elevation
PSH
3548.0
3547.0
3546.0
3545.0
3544.0
3543.0
3542.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

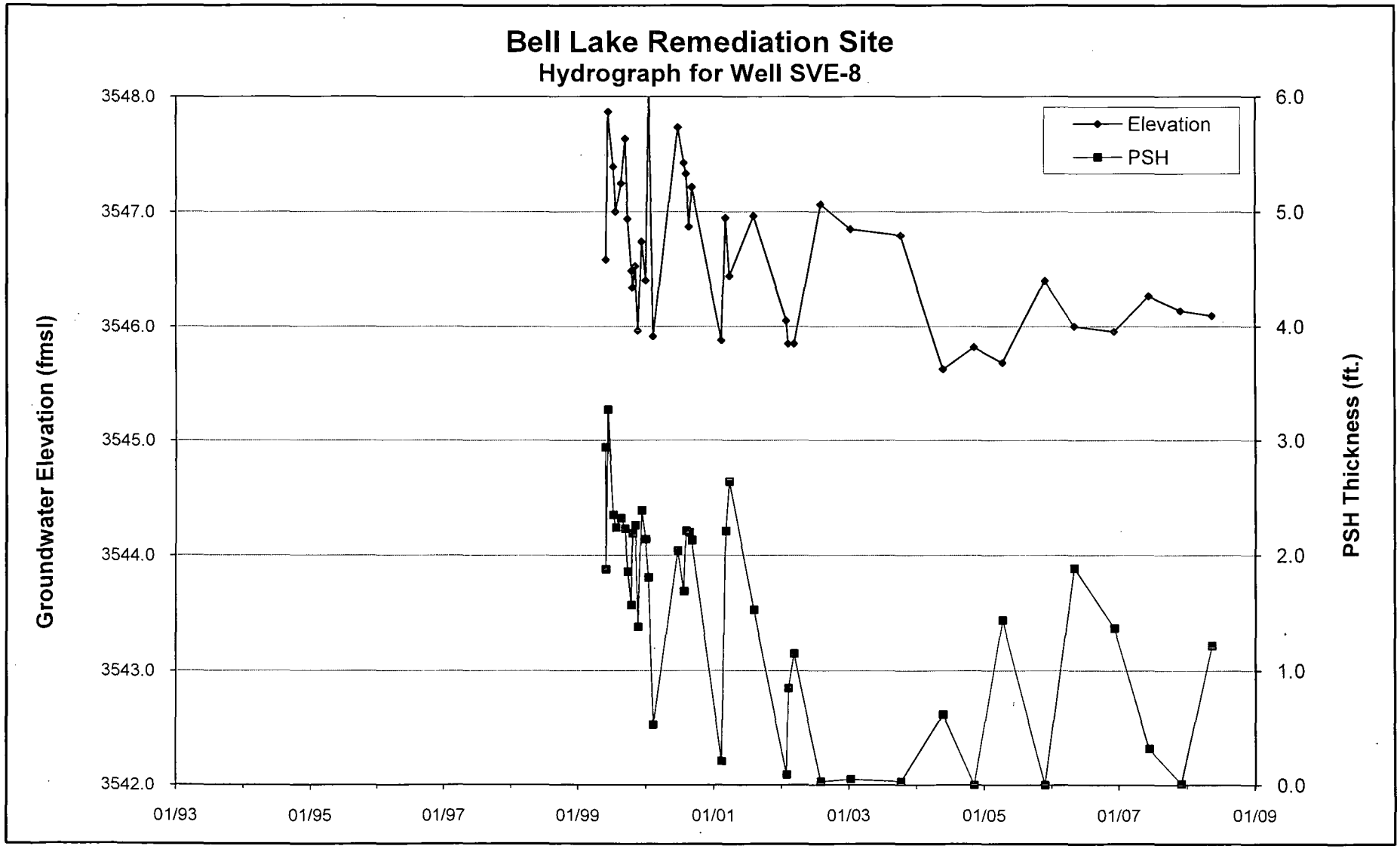

Bell Lake Remediation Site
Hydrograph for Well MW-5
Groundwater Elevation (fmsl)
3547.0
3546.5
3546.0
3545.5
3545.0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

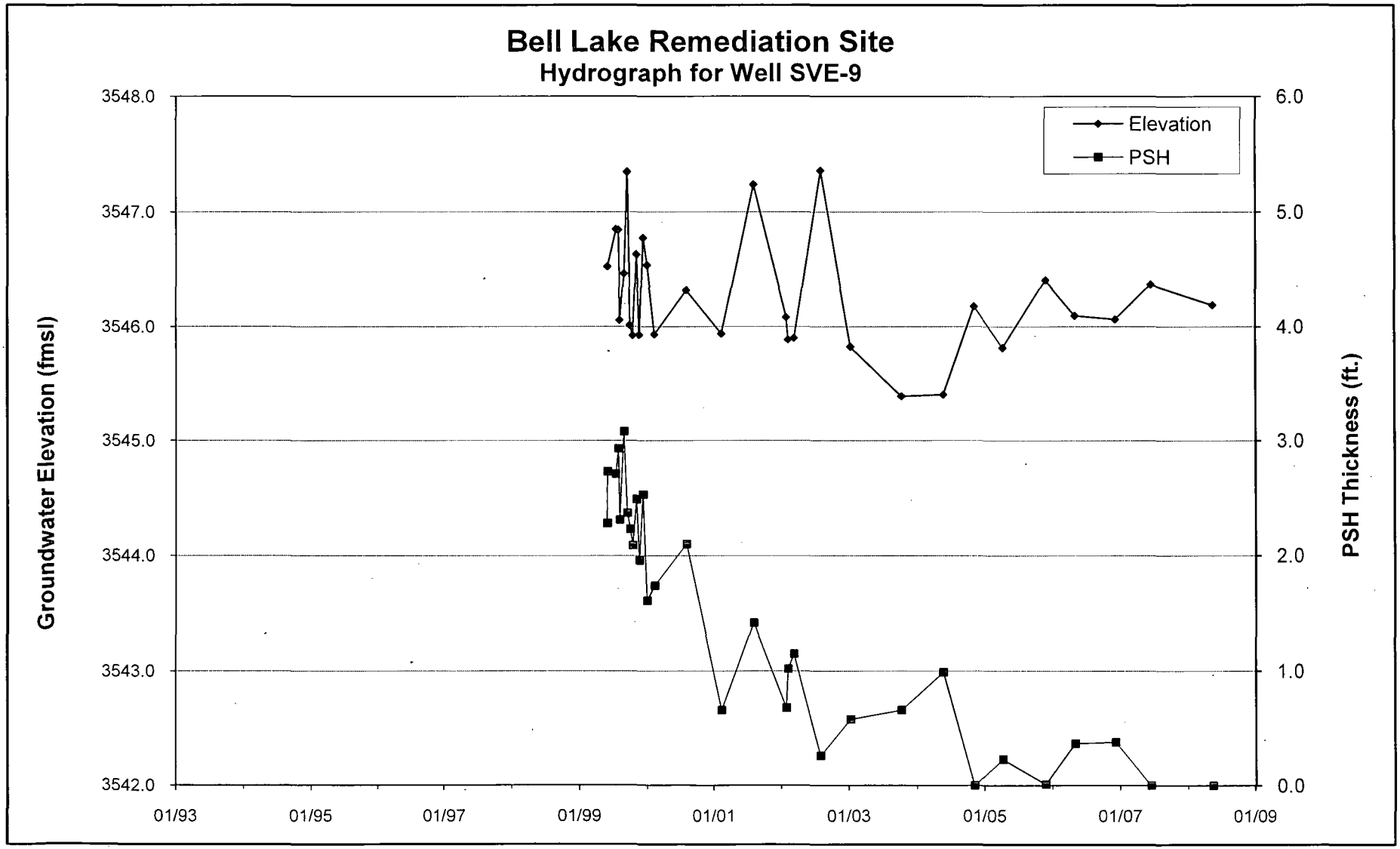

Bell Lake Remediation Site
Hydrograph for Well MW-9
Groundwater Elevation (fmsl)
3546.0
3545.5
3545.0
3544.5
3544.0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

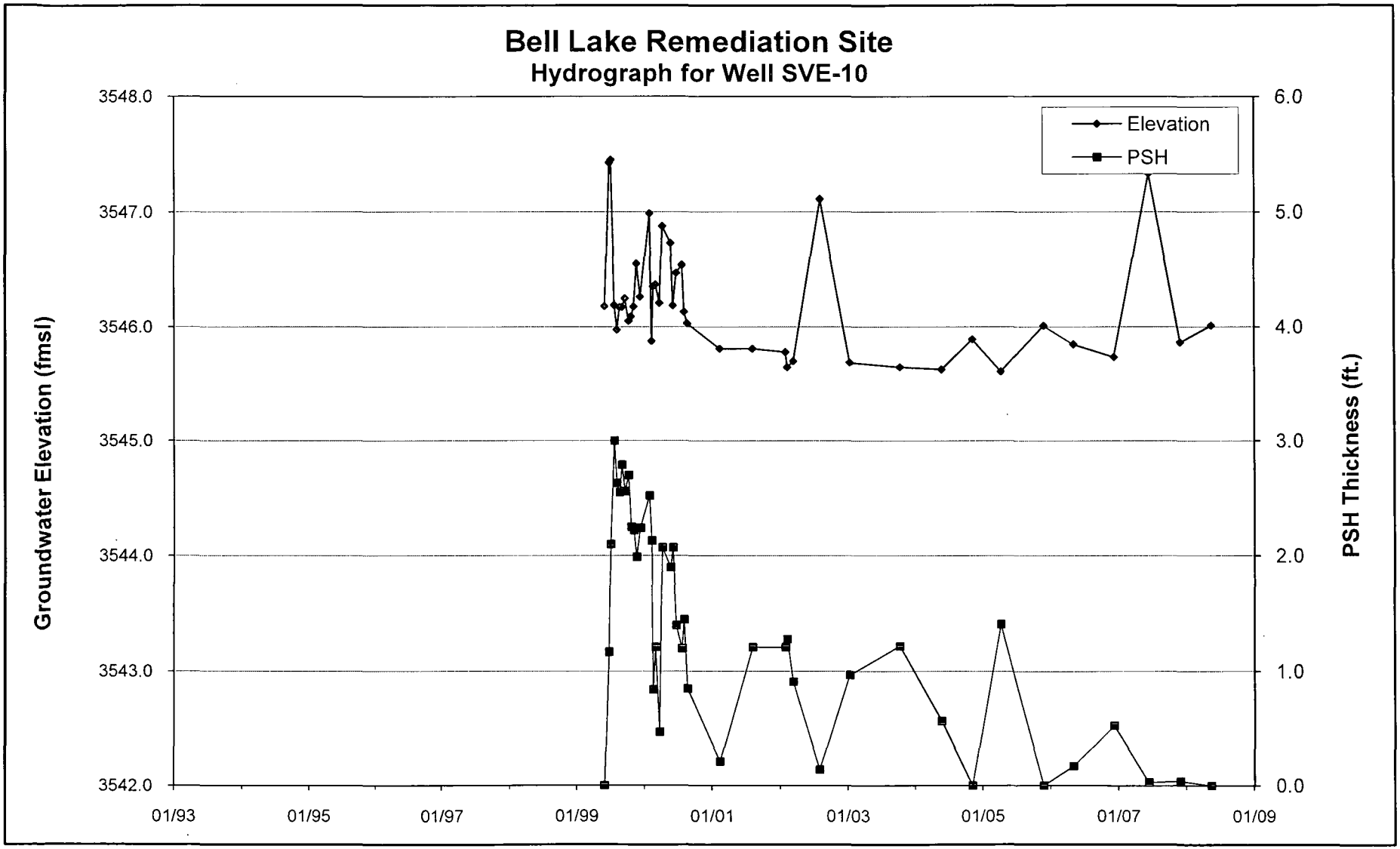

Bell Lake Remediation Site
Hydrograph for Well SVE-1
Groundwater Elevation (fmsl)
PSH Thickness (ft.)
Elevation
PSH
3548.0
3547.0
3546.0
3545.0
3544.0
3543.0
3542.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

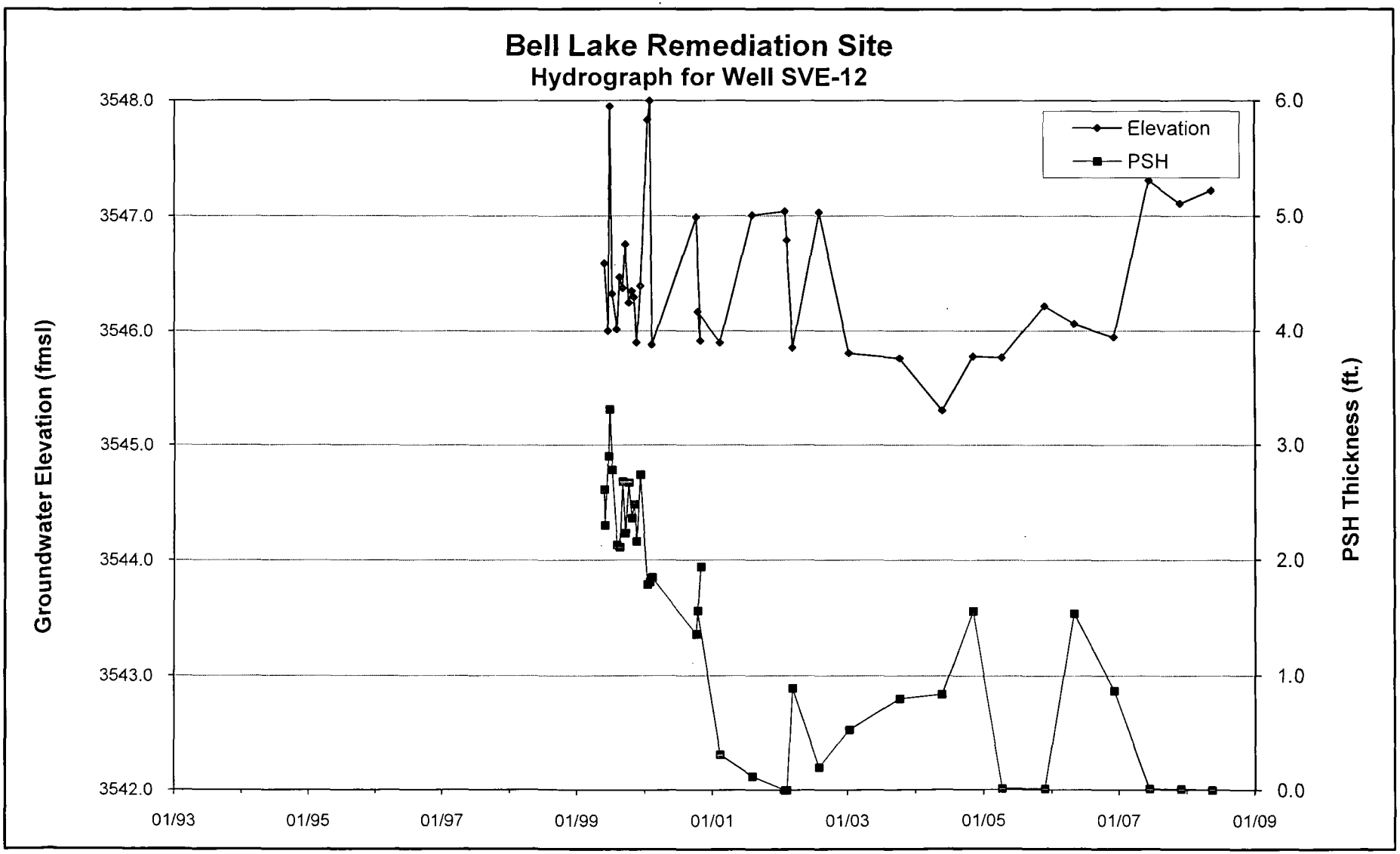

Bell Lake Remediation Site
Hydrograph for Well SVE-3
Groundwater Elevation (fmsl)
PSH Thickness (ft.)
Elevation
PSH
3548.0
3547.0
3546.0
3545.0
3544.0
3543.0
3542.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

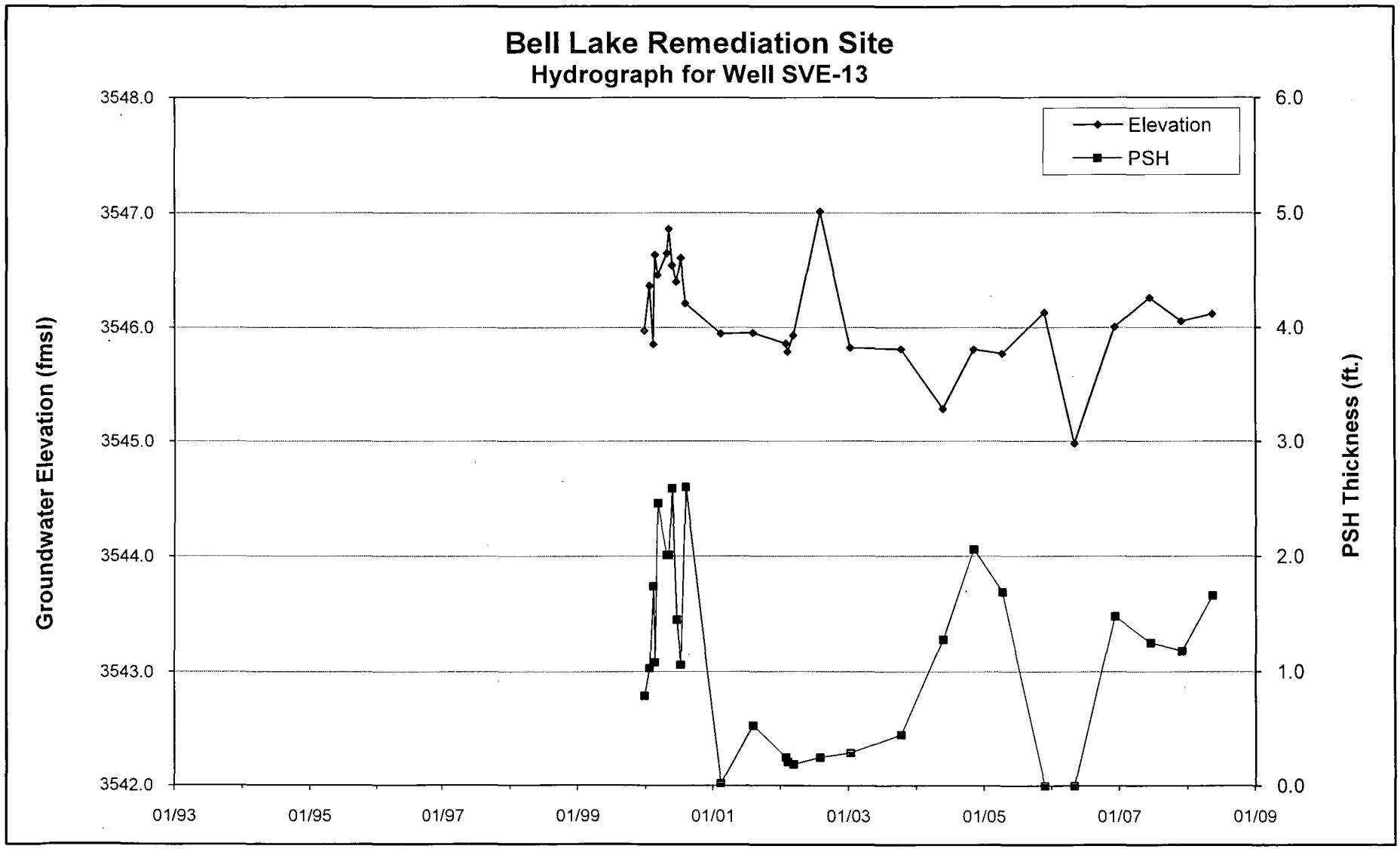

Bell Lake Remediation Site
Hydrograph for Well SVE-4
Groundwater Elevation (fmsl)
PSH Thickness (ft.)
Elevation
PSH
3548.0
3547.0
3546.0
3545.0
3544.0
3543.0
3542.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09


Bell Lake Remediation Site
Hydrograph for Well SVE-8
Groundwater Elevation (fmsl)
PSH Thickness (ft.)
Elevation
PSH
3548.0
3547.0
3546.0
3545.0
3544.0
3543.0
3542.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09


Bell Lake Remediation Site
Hydrograph for Well SVE-9
Groundwater Elevation (fmsl)
PSH Thickness (ft.)
Elevation
PSH
3548.0
3547.0
3546.0
3545.0
3544.0
3543.0
3542.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09


Bell Lake Remediation Site
Hydrograph for Well SVE-10
Groundwater Elevation (fmsl)
PSH Thickness (ft.)
Elevation
PSH
3548.0
3547.0
3546.0
3545.0
3544.0
3543.0
3542.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09


Bell Lake Remediation Site
Hydrograph for Well SVE-12
Groundwater Elevation (fmsl)
PSH Thickness (ft.)
Elevation
PSH
3548.0
3547.0
3546.0
3545.0
3544.0
3543.0
3542.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09


Bell Lake Remediation Site
Hydrograph for Well SVE-13
Groundwater Elevation (fmsl)
PSH Thickness (ft.)
Elevation
PSH
3548.0
3547.0
3546.0
3545.0
3544.0
3543.0
3542.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
01/93
01/95
01/97
01/99
01/01
01/03
01/05
01/07
01/09

# SOIL VAPOR ANALYSIS

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

# COVER LETTER

Tuesday, July 08, 2008

George Robinson
Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422

TEL: (281) 797-3420
FAX (281) 859-1881

RE: TWP Bell Lake

Order No.: 0807052

Dear George Robinson:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 7/3/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

**Hall Environmental Analysis Laboratory, Inc.** **Date:** *08-Jul-08*

**CLIENT:** Cypress Engineering
**Project:** TWP Bell Lake
**Lab Order:** 0807052

## CASE NARRATIVE

Analytical Comments for METHOD 8015GRO_A, SAMPLE 0807052-01A: Elevated surrogate due to matrix interference. Analytical Comments for METHOD 8015GRO_A, SAMPLE 0807052-02A: Elevated surrogate due to matrix interference.

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *08-Jul-08*

**CLIENT:** Cypress Engineering
**Project:** TWP Bell Lake
**Lab Order:** 0807052

**Lab ID:** 0807052-01 **Collection Date:** 7/1/2008 11:30:00 AM
**Client Sample ID:** SVE TOTAL **Matrix:** AIR

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015B: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | 253 | 10.0 | | µg/L | 2 | 7/3/2008 1:13:52 PM |
| % GRO Hydrocarbons: <C5 | ND | 0 | | µg/L | 2 | 7/3/2008 1:13:52 PM |
| % GRO Hydrocarbons: C05-C6 | ND | 0 | | µg/L | 2 | 7/3/2008 1:13:52 PM |
| % GRO Hydrocarbons: C06-C7 | 0.200 | 0 | | µg/L | 2 | 7/3/2008 1:13:52 PM |
| % GRO Hydrocarbons: C07-C8 | 4.90 | 0 | | µg/L | 2 | 7/3/2008 1:13:52 PM |
| % GRO Hydrocarbons: C08-C9 | 14.4 | 0 | | µg/L | 2 | 7/3/2008 1:13:52 PM |
| % GRO Hydrocarbons: C09-C10 | 33.4 | 0 | | µg/L | 2 | 7/3/2008 1:13:52 PM |
| % GRO Hydrocarbons: C10-C11 | 27.6 | 0 | | µg/L | 2 | 7/3/2008 1:13:52 PM |
| % GRO Hydrocarbons: C11-C12 | 14.9 | 0 | | µg/L | 2 | 7/3/2008 1:13:52 PM |
| % GRO Hydrocarbons: C12-C14 | 4.60 | 0 | | µg/L | 2 | 7/3/2008 1:13:52 PM |
| % GRO Hydrocarbons: C14+ | ND | 0 | | µg/L | 2 | 7/3/2008 1:13:52 PM |
| Surr: BFB | 437 | 76.8-150 | S | %REC | 2 | 7/3/2008 1:13:52 PM |

**Lab ID:** 0807052-02 **Collection Date:** 7/1/2008 11:35:00 AM
**Client Sample ID:** SVE WEST **Matrix:** AIR

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8015B: GASOLINE RANGE** | | | | | | Analyst: **NSB** |
| Gasoline Range Organics (GRO) | 238 | 10.0 | | µg/L | 2 | 7/3/2008 2:14:24 PM |
| % GRO Hydrocarbons: <C5 | ND | 0 | | µg/L | 2 | 7/3/2008 2:14:24 PM |
| % GRO Hydrocarbons: C05-C6 | ND | 0 | | µg/L | 2 | 7/3/2008 2:14:24 PM |
| % GRO Hydrocarbons: C06-C7 | 0.100 | 0 | | µg/L | 2 | 7/3/2008 2:14:24 PM |
| % GRO Hydrocarbons: C07-C8 | 4.40 | 0 | | µg/L | 2 | 7/3/2008 2:14:24 PM |
| % GRO Hydrocarbons: C08-C9 | 14.9 | 0 | | µg/L | 2 | 7/3/2008 2:14:24 PM |
| % GRO Hydrocarbons: C09-C10 | 34.5 | 0 | | µg/L | 2 | 7/3/2008 2:14:24 PM |
| % GRO Hydrocarbons: C10-C11 | 27.7 | 0 | | µg/L | 2 | 7/3/2008 2:14:24 PM |
| % GRO Hydrocarbons: C11-C12 | 14.8 | 0 | | µg/L | 2 | 7/3/2008 2:14:24 PM |
| % GRO Hydrocarbons: C12-C14 | 3.60 | 0 | | µg/L | 2 | 7/3/2008 2:14:24 PM |
| % GRO Hydrocarbons: C14+ | ND | 0 | | µg/L | 2 | 7/3/2008 2:14:24 PM |
| Surr: BFB | 421 | 76.8-150 | S | %REC | 2 | 7/3/2008 2:14:24 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# QA/QC SUMMARY REPORT

**Client:** Cypress Engineering
**Project:** TWP Bell Lake **Work Order:** 080705

| Analyte | Result | Units | PQL | %Rec | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Method: EPA Method 8015B: Gasoline Range** | | | | | | | | | |
| **Sample ID: 5ML RB** | | *MBLK* | | | Batch ID: **R29201** | | Analysis Date: | 7/3/2008 9:12:18 AM | |
| Gasoline Range Organics (GRO) | ND | mg/L | 0.050 | | | | | | |
| **Sample ID: 2.5UG GRO LCS** | | *LCS* | | | Batch ID: **R29201** | | Analysis Date: | 7/3/2008 7:50:59 PM | |
| Gasoline Range Organics (GRO) | 0.4760 | mg/L | 0.050 | 95.2 | 80 | 115 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| R | RPD outside accepted recovery limits | S | Spike recovery outside accepted recovery limits |

# Hall Environmental Analysis Laboratory, Inc.

## Sample Receipt Checklist

Client Name CYP | Date Received: 7/3/2008

Work Order Number 0807052 | Received by: TLS

Checklist completed by: [signature] Signature | 7/3/08 Date | Sample ID labels checked by: TS Initials

Matrix: | Carrier name Greyhound

| | | | | |
|---|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ | |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ | Not Shipped ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | N/A ☑ | |
| Chain of custody present? | Yes ☑ | No ☐ | | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | | |
| Sample containers intact? | Yes ☑ | No ☐ | | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | | |
| All samples received within holding time? | Yes ☑ | No ☐ | | |
| ter - VOA vials have zero headspace? | No VOA vials submitted ☑ | Yes ☐ | No ☐ | |
| Water - Preservation labels on bottle and cap match? | Yes ☐ | No ☐ | N/A ☑ | |
| Water - pH acceptable upon receipt? | Yes ☐ | No ☐ | N/A ☑ | |

Container/Temp Blank temperature? *<6° C Acceptable* If given sufficient time to cool.

COMMENTS:

---

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

orrective Action _____

# Chain-of-Custody Record

Client: ~~Enterprise~~ Cypress Engineering Co

Address: 711 Hwy 6 North Ste 102 Houston, TX 77095

Phone #: 281.797.3421

email or Fax#: 281.859.1881

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Transaesten Pipeline Bell Lake

Project #: TNP Bell Lake

Project Manager: George Robinson

Sampler: Sandy Shaw

On Ice: ☐ Yes ☐ No

Sample Temperature:

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

**Analysis Request**

| Date | Time | Sample Request ID | Container Type and # | Preservative Type | HEAL No. 0807052 | BTEX + MTBE + TMB's (8021) | BTEX + MTBE + TPH (Gas only) | TPH Method 8015B (Gas/Diesel) 418 | TPH (Method 418.1) | EDB (Method 504.1) | EDC (Method 8260) | 8310 (PNA or PAH) | Anions (F,Cl,$NO_3$,$NO_2$,$PO_4$,$SO_4$) | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) | | | | | Air Bubbles (Y or N) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/1/08 | 1130 | SVE TOTAL | 1 Liter Plastic | 0 | 1 | | | X | | | | | | | | | | | | | |
| 7/1/08 | 1135 | SVE WEST | " | " | 2 | | | X | | | | | | | | | | | | | |

| Date: | Time: | Relinquished by: | Received by: | Remarks: |
|---|---|---|---|---|
| 7/2/08 | 1700 | | 7/3/08 825 Tonya Shaw | |
| Date: | Time: | Relinquished by: | Received by: | |

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# GROUNDWATER ANALYSIS

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

# COVER LETTER

Thursday, December 13, 2007

George Robinson
Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422

TEL: (281) 797-3420
FAX (281) 859-1881

RE: TWP Bell Lake

Order No.: 0712140

Dear George Robinson:

Hall Environmental Analysis Laboratory, Inc. received 23 sample(s) on 12/11/2007 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

**CLIENT:** Cypress Engineering
**Project:** TWP Bell Lake
**Lab Order:** 0712140

## CASE NARRATIVE

"S" flags denote that the surrogate was elevated due to sample dilution or matrix interferences. Sample pH >2.0 for samples SVE-5, SVE-6, SVE-11

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *13-Dec-07*

**CLIENT:** Cypress Engineering
**Project:** TWP Bell Lake
**Lab Order:** 0712140

**Lab ID:** 0712140-01 **Collection Date:** 12/6/2007 1:15:00 PM
**Client Sample ID:** MW-14 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/11/2007 11:23:01 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/11/2007 11:23:01 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/11/2007 11:23:01 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 12/11/2007 11:23:01 PM |
| Surr: 4-Bromofluorobenzene | 85.7 | 70.2-105 | | %REC | 1 | 12/11/2007 11:23:01 PM |

**Lab ID:** 0712140-02 **Collection Date:** 12/5/2007 12:20:00 PM
**Client Sample ID:** MW-7 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/11/2007 11:53:05 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/11/2007 11:53:05 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/11/2007 11:53:05 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 12/11/2007 11:53:05 PM |
| Surr: 4-Bromofluorobenzene | 88.4 | 70.2-105 | | %REC | 1 | 12/11/2007 11:53:05 PM |

**Lab ID:** 0712140-03 **Collection Date:** 12/5/2007 2:30:00 PM
**Client Sample ID:** SVE-2 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 2.6 | 1.0 | | µg/L | 1 | 12/12/2007 12:23:11 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/12/2007 12:23:11 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/12/2007 12:23:11 AM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 12/12/2007 12:23:11 AM |
| Surr: 4-Bromofluorobenzene | 88.3 | 70.2-105 | | %REC | 1 | 12/12/2007 12:23:11 AM |

**Lab ID:** 0712140-04 **Collection Date:** 12/5/2007 5:10:00 PM
**Client Sample ID:** WATER WELL **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/12/2007 12:53:13 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/12/2007 12:53:13 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/12/2007 12:53:13 AM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 12/12/2007 12:53:13 AM |
| Surr: 4-Bromofluorobenzene | 84.5 | 70.2-105 | | %REC | 1 | 12/12/2007 12:53:13 AM |

| Qualifiers: | | | | |
|---|---|---|---|---|
| | * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| | ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| | S | Spike recovery outside accepted recovery limits | | |

**CLIENT:** Cypress Engineering **Lab Order:** 0712140
**Project:** TWP Bell Lake

**Lab ID:** 0712140-05 **Collection Date:** 12/5/2007 3:10:00 PM
**Client Sample ID:** SVE-7 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 2.8 | 1.0 | | µg/L | 1 | 12/12/2007 1:23:20 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/12/2007 1:23:20 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/12/2007 1:23:20 AM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 12/12/2007 1:23:20 AM |
| Surr: 4-Bromofluorobenzene | 86.4 | 70.2-105 | | %REC | 1 | 12/12/2007 1:23:20 AM |

**Lab ID:** 0712140-06 **Collection Date:** 12/5/2007 4:45:00 PM
**Client Sample ID:** SVE-5 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 560 | 20 | | µg/L | 20 | 12/12/2007 1:55:58 AM |
| Toluene | 1600 | 20 | | µg/L | 20 | 12/12/2007 1:55:58 AM |
| Ethylbenzene | 84 | 20 | | µg/L | 20 | 12/12/2007 1:55:58 AM |
| Xylenes, Total | 1900 | 40 | | µg/L | 20 | 12/12/2007 1:55:58 AM |
| Surr: 4-Bromofluorobenzene | 113 | 70.2-105 | S | %REC | 20 | 12/12/2007 1:55:58 AM |

**Lab ID:** 0712140-07 **Collection Date:** 12/5/2007 12:45:00 PM
**Client Sample ID:** SVE-6 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 200 | 10 | | µg/L | 10 | 12/12/2007 3:29:02 AM |
| Toluene | 450 | 10 | | µg/L | 10 | 12/12/2007 3:29:02 AM |
| Ethylbenzene | ND | 10 | | µg/L | 10 | 12/12/2007 3:29:02 AM |
| Xylenes, Total | 260 | 20 | | µg/L | 10 | 12/12/2007 3:29:02 AM |
| Surr: 4-Bromofluorobenzene | 118 | 70.2-105 | S | %REC | 10 | 12/12/2007 3:29:02 AM |

**Lab ID:** 0712140-08 **Collection Date:** 12/5/2007 1:35:00 PM
**Client Sample ID:** SVE-11 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 560 | 10 | | µg/L | 10 | 12/12/2007 4:01:48 AM |
| Toluene | 1600 | 20 | | µg/L | 20 | 12/13/2007 1:30:51 AM |
| Ethylbenzene | 63 | 10 | | µg/L | 10 | 12/12/2007 4:01:48 AM |
| Xylenes, Total | 1300 | 20 | | µg/L | 10 | 12/12/2007 4:01:48 AM |
| Surr: 4-Bromofluorobenzene | 153 | 70.2-105 | S | %REC | 10 | 12/12/2007 4:01:48 AM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

**CLIENT:** Cypress Engineering **Lab Order:** 0712140
**Project:** TWP Bell Lake

**Lab ID:** 0712140-09 **Collection Date:** 12/5/2007 4:20:00 PM
**Client Sample ID:** MW-1 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 2.6 | 1.0 | | µg/L | 1 | 12/13/2007 12:58:06 AM |
| Toluene | 2.6 | 1.0 | | µg/L | 1 | 12/13/2007 12:58:06 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/13/2007 12:58:06 AM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 12/13/2007 12:58:06 AM |
| Surr: 4-Bromofluorobenzene | 88.5 | 70.2-105 | | %REC | 1 | 12/13/2007 12:58:06 AM |

**Lab ID:** 0712140-10 **Collection Date:** 12/6/2007 8:50:00 AM
**Client Sample ID:** MW-2 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 5.1 | 1.0 | | µg/L | 1 | 12/12/2007 1:09:34 PM |
| Toluene | 3.8 | 1.0 | | µg/L | 1 | 12/12/2007 1:09:34 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/12/2007 1:09:34 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 12/12/2007 1:09:34 PM |
| Surr: 4-Bromofluorobenzene | 88.8 | 70.2-105 | | %REC | 1 | 12/12/2007 1:09:34 PM |

**Lab ID:** 0712140-11 **Collection Date:**
**Client Sample ID:** TRIP BLANK **Matrix:** TRIP BLANK

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/12/2007 1:39:38 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/12/2007 1:39:38 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/12/2007 1:39:38 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 12/12/2007 1:39:38 PM |
| Surr: 4-Bromofluorobenzene | 86.0 | 70.2-105 | | %REC | 1 | 12/12/2007 1:39:38 PM |

**Lab ID:** 0712140-12 **Collection Date:** 12/6/2007 9:45:00 AM
**Client Sample ID:** MW-16 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/12/2007 2:09:48 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/12/2007 2:09:48 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/12/2007 2:09:48 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 12/12/2007 2:09:48 PM |
| Surr: 4-Bromofluorobenzene | 85.1 | 70.2-105 | | %REC | 1 | 12/12/2007 2:09:48 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *13-Dec-07*

**CLIENT:** Cypress Engineering
**Project:** TWP Bell Lake
**Lab Order:** 0712140

**Lab ID:** 0712140-13 **Collection Date:** 12/6/2007 9:40:00 AM
**Client Sample ID:** MW-13 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/12/2007 2:40:03 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/12/2007 2:40:03 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/12/2007 2:40:03 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 12/12/2007 2:40:03 PM |
| Surr: 4-Bromofluorobenzene | 90.7 | 70.2-105 | | %REC | 1 | 12/12/2007 2:40:03 PM |

**Lab ID:** 0712140-14 **Collection Date:** 12/6/2007 10:30:00 AM
**Client Sample ID:** MW-12 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 3.3 | 1.0 | | µg/L | 1 | 12/12/2007 3:10:07 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/12/2007 3:10:07 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/12/2007 3:10:07 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 12/12/2007 3:10:07 PM |
| Surr: 4-Bromofluorobenzene | 87.2 | 70.2-105 | | %REC | 1 | 12/12/2007 3:10:07 PM |

**Lab ID:** 0712140-15 **Collection Date:** 12/6/2007 10:35:00 AM
**Client Sample ID:** MW-15 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/12/2007 3:40:13 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/12/2007 3:40:13 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/12/2007 3:40:13 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 12/12/2007 3:40:13 PM |
| Surr: 4-Bromofluorobenzene | 88.4 | 70.2-105 | | %REC | 1 | 12/12/2007 3:40:13 PM |

**Lab ID:** 0712140-16 **Collection Date:** 12/6/2007 11:15:00 AM
**Client Sample ID:** MW-11 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 400 | 10 | | µg/L | 10 | 12/12/2007 4:12:59 PM |
| Toluene | 32 | 10 | | µg/L | 10 | 12/12/2007 4:12:59 PM |
| Ethylbenzene | 29 | 10 | | µg/L | 10 | 12/12/2007 4:12:59 PM |
| Xylenes, Total | 600 | 20 | | µg/L | 10 | 12/12/2007 4:12:59 PM |
| Surr: 4-Bromofluorobenzene | 95.1 | 70.2-105 | | %REC | 10 | 12/12/2007 4:12:59 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *13-Dec-07*

**CLIENT:** Cypress Engineering
**Project:** TWP Bell Lake
**Lab Order:** 0712140

**Lab ID:** 0712140-17 **Collection Date:** 12/6/2007 8:55:00 AM
**Client Sample ID:** MW-22 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 370 | 10 | | µg/L | 10 | 12/12/2007 4:45:44 PM |
| Toluene | 27 | 10 | | µg/L | 10 | 12/12/2007 4:45:44 PM |
| Ethylbenzene | 26 | 10 | | µg/L | 10 | 12/12/2007 4:45:44 PM |
| Xylenes, Total | 550 | 20 | | µg/L | 10 | 12/12/2007 4:45:44 PM |
| Surr: 4-Bromofluorobenzene | 95.3 | 70.2-105 | | %REC | 10 | 12/12/2007 4:45:44 PM |

**Lab ID:** 0712140-18 **Collection Date:** 12/6/2007 11:10:00 AM
**Client Sample ID:** MW-10 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 40 | 1.0 | | µg/L | 1 | 12/12/2007 5:46:01 PM |
| Toluene | 3.6 | 1.0 | | µg/L | 1 | 12/12/2007 5:46:01 PM |
| Ethylbenzene | 5.9 | 1.0 | | µg/L | 1 | 12/12/2007 5:46:01 PM |
| Xylenes, Total | 85 | 2.0 | | µg/L | 1 | 12/12/2007 5:46:01 PM |
| Surr: 4-Bromofluorobenzene | 105 | 70.2-105 | S | %REC | 1 | 12/12/2007 5:46:01 PM |

**Lab ID:** 0712140-19 **Collection Date:** 12/6/2007 12:05:00 PM
**Client Sample ID:** MW-9 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 340 | 10 | | µg/L | 10 | 12/12/2007 6:18:44 PM |
| Toluene | 15 | 10 | | µg/L | 10 | 12/12/2007 6:18:44 PM |
| Ethylbenzene | 28 | 10 | | µg/L | 10 | 12/12/2007 6:18:44 PM |
| Xylenes, Total | 850 | 20 | | µg/L | 10 | 12/12/2007 6:18:44 PM |
| Surr: 4-Bromofluorobenzene | 98.7 | 70.2-105 | | %REC | 10 | 12/12/2007 6:18:44 PM |

**Lab ID:** 0712140-20 **Collection Date:** 12/6/2007 2:45:00 PM
**Client Sample ID:** MW-19 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 180 | 10 | | µg/L | 10 | 12/12/2007 9:54:43 PM |
| Toluene | 290 | 10 | | µg/L | 10 | 12/12/2007 9:54:43 PM |
| Ethylbenzene | 16 | 10 | | µg/L | 10 | 12/12/2007 9:54:43 PM |
| Xylenes, Total | 300 | 20 | | µg/L | 10 | 12/12/2007 9:54:43 PM |
| Surr: 4-Bromofluorobenzene | 94.6 | 70.2-105 | | %REC | 10 | 12/12/2007 9:54:43 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *13-Dec-07*

**CLIENT:** Cypress Engineering
**Project:** TWP Bell Lake
**Lab Order:** 0712140

**Lab ID:** 0712140-21 **Collection Date:** 12/6/2007 11:55:00 AM
**Client Sample ID:** MW-8 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 230 | 5.0 | | µg/L | 5 | 12/12/2007 10:57:25 PM |
| Toluene | 380 | 5.0 | | µg/L | 5 | 12/12/2007 10:57:25 PM |
| Ethylbenzene | 23 | 5.0 | | µg/L | 5 | 12/12/2007 10:57:25 PM |
| Xylenes, Total | 430 | 10 | | µg/L | 5 | 12/12/2007 10:57:25 PM |
| Surr: 4-Bromofluorobenzene | 102 | 70.2-105 | | %REC | 5 | 12/12/2007 10:57:25 PM |

**Lab ID:** 0712140-22 **Collection Date:** 12/6/2007 12:45:00 PM
**Client Sample ID:** MW-5 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 27 | 1.0 | | µg/L | 1 | 12/12/2007 11:27:32 PM |
| Toluene | 39 | 1.0 | | µg/L | 1 | 12/12/2007 11:27:32 PM |
| Ethylbenzene | 3.7 | 1.0 | | µg/L | 1 | 12/12/2007 11:27:32 PM |
| Xylenes, Total | 46 | 2.0 | | µg/L | 1 | 12/12/2007 11:27:32 PM |
| Surr: 4-Bromofluorobenzene | 103 | 70.2-105 | | %REC | 1 | 12/12/2007 11:27:32 PM |

**Lab ID:** 0712140-23 **Collection Date:** 12/6/2007 12:40:00 PM
**Client Sample ID:** MW-6 **Matrix:** AQUEOUS

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 25 | 1.0 | | µg/L | 1 | 12/12/2007 11:57:49 PM |
| Toluene | 24 | 1.0 | | µg/L | 1 | 12/12/2007 11:57:49 PM |
| Ethylbenzene | 23 | 1.0 | | µg/L | 1 | 12/12/2007 11:57:49 PM |
| Xylenes, Total | 40 | 2.0 | | µg/L | 1 | 12/12/2007 11:57:49 PM |
| Surr: 4-Bromofluorobenzene | 98.3 | 70.2-105 | | %REC | 1 | 12/12/2007 11:57:49 PM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# QA/QC SUMMARY REPORT

**Client:** Cypress Engineering
**Project:** TWP Bell Lake **Work Order:** 0712140

| Analyte | Result | Units | PQL | %Rec | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Method: EPA Method 8021B: Volatiles** | | | | | | | | | |
| **Sample ID: 0712140-13A MSD** | | *MSD* | | | Batch ID: | **R26503** | Analysis Date: | 12/12/2007 7:49:07 PM | |
| Benzene | 21.73 | µg/L | 1.0 | 109 | 85.9 | 113 | 0.600 | 27 | |
| Toluene | 21.12 | µg/L | 1.0 | 103 | 86.4 | 113 | 2.06 | 19 | |
| Ethylbenzene | 20.85 | µg/L | 1.0 | 102 | 83.5 | 118 | 1.93 | 10 | |
| Xylenes, Total | 64.00 | µg/L | 2.0 | 107 | 83.4 | 122 | 0.910 | 13 | |
| **Sample ID: 5ML RB** | | *MBLK* | | | Batch ID: | **R26481** | Analysis Date: | 12/11/2007 8:46:17 AM | |
| Benzene | ND | µg/L | 1.0 | | | | | | |
| Toluene | ND | µg/L | 1.0 | | | | | | |
| Ethylbenzene | ND | µg/L | 1.0 | | | | | | |
| Xylenes, Total | ND | µg/L | 2.0 | | | | | | |
| **Sample ID: 5ML RB** | | *MBLK* | | | Batch ID: | **R26503** | Analysis Date: | 12/12/2007 9:08:08 AM | |
| Benzene | ND | µg/L | 1.0 | | | | | | |
| Toluene | ND | µg/L | 1.0 | | | | | | |
| Ethylbenzene | ND | µg/L | 1.0 | | | | | | |
| Xylenes, Total | ND | µg/L | 2.0 | | | | | | |
| **Sample ID: 100NG BTEX LCS** | | *LCS* | | | Batch ID: | **R26481** | Analysis Date: | 12/11/2007 8:22:20 PM | |
| Benzene | 19.58 | µg/L | 1.0 | 97.9 | 85.9 | 113 | | | |
| Toluene | 19.63 | µg/L | 1.0 | 97.9 | 86.4 | 113 | | | |
| Ethylbenzene | 19.54 | µg/L | 1.0 | 97.7 | 83.5 | 118 | | | |
| Xylenes, Total | 58.92 | µg/L | 2.0 | 98.2 | 83.4 | 122 | | | |
| **Sample ID: 100NG BTEX LCS** | | *LCS* | | | Batch ID: | **R26503** | Analysis Date: | 12/12/2007 8:19:11 PM | |
| Benzene | 20.43 | µg/L | 1.0 | 102 | 85.9 | 113 | | | |
| Toluene | 19.95 | µg/L | 1.0 | 99.0 | 86.4 | 113 | | | |
| Ethylbenzene | 19.88 | µg/L | 1.0 | 99.4 | 83.5 | 118 | | | |
| Xylenes, Total | 59.43 | µg/L | 2.0 | 99.0 | 83.4 | 122 | | | |
| **Sample ID: 0712140-13A MS** | | *MS* | | | Batch ID: | **R26503** | Analysis Date: | 12/12/2007 7:19:02 PM | |
| Benzene | 21.60 | µg/L | 1.0 | 108 | 85.9 | 113 | | | |
| Toluene | 20.69 | µg/L | 1.0 | 101 | 86.4 | 113 | | | |
| Ethylbenzene | 20.45 | µg/L | 1.0 | 99.8 | 83.5 | 118 | | | |
| Xylenes, Total | 63.42 | µg/L | 2.0 | 106 | 83.4 | 122 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| R | RPD outside accepted recovery limits | S | Spike recovery outside accepted recovery limits |

## Hall Environmental Analysis Laboratory, Inc.

### Sample Receipt Checklist

Client Name CYP | Date Received: 12/11/2007

Work Order Number 0712140 | Received by: ARS

Checklist completed by: Signature | Date 12/11/07 | Sample ID labels checked by Initials

Matrix | Carrier name Greyhound

| | | | | |
|---|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ | |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ | Not Shipped ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | N/A ☑ | |
| Chain of custody present? | Yes ☑ | No ☐ | | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | | |
| Sample containers intact? | Yes ☑ | No ☐ | | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | | |
| All samples received within holding time? | Yes ☑ | No ☐ | | |
| Water - VOA vials have zero headspace? No VOA vials submitted ☐ | | Yes ☑ | No ☐ | |
| Water - Preservation labels on bottle and cap match? | Yes ☐ | No ☐ | N/A ☑ | |
| Water - pH acceptable upon receipt? | Yes ☐ | No ☐ | N/A ☑ | |
| Container/Temp Blank temperature? | 5° | <6° C *Acceptable* If given sufficient time to cool. | | |

COMMENTS:

---

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

# Chain-of-Custody Record

Client: CYPRESS ENGINEERING SERVICES

Address: 7171 Hwy 6, North, Ste 102 Houston, Tx

Phone #: 281.397.3420

email or Fax#: 281.859.1881

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: TRANSMONTAIGNE PIPELINE CO. BELL LAKE

Project #: TMP BELL LAKE

Project Manager: GEORGE ROBINSON

Sampler: SANDY SHARP

On Ice: ☒ Yes ☐ No

Sample Temperature: 5°

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

| Date | Time | Sample Request ID | Container Type and # | Preservative Type | HEAL No. 0712140 | BTEX + ~~MTBE~~ + DNBs (8021) | BTEX + MTBE + TPH (Gas only) | TPH Method 8015B (Gas/Diesel) | TPH (Method 418.1) | EDB (Method 504.1) | EDC (Method 8260) | 8310 (PNA or PAH) | Anions ($F,Cl,NO_3,NO_2,PO_4,SO_4$) | 8081 Pesticides / 8082 PCBs | 8260B (VOA) | 8270 (Semi-VOA) | | | | | Air Bubbles (Y or N) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/6/07 | 1315 | MW-14 | 4 oml VOAs x3 | HCl | 1 | X | | | | | | | | | | | | | | | |
| 12/5/07 | 1220 | MW-7 | " | " | 2 | X | | | | | | | | | | | | | | | |
| " | 1430 | SVE-2 | " | " | 3 | X | | | | | | | | | | | | | | | |
| " | 1710 | WATER WELL | " | " | 4 | X | | | | | | | | | | | | | | | |
| " | 1510 | SVE-7 | " | " | 5 | X | | | | | | | | | | | | | | | |
| " | 1645 | SVE-5 | " | " | 6 | X | | | | | | | | | | | | | | | |
| " | 1245 | SVE-6 | " | " | 7 | X | | | | | | | | | | | | | | | |
| " | 1335 | SVE-11 | " | " | 8 | X | | | | | | | | | | | | | | | |
| " | 1620 | MW-1 | " | " | 9 | X | | | | | | | | | | | | | | | |
| 12/6/07 | 0850 | MW-2 | " | " | 10 | X | | | | | | | | | | | | | | | |
| | | TRIP BLANK | 2 x VOAs | | 11 | X | | | | | | | | | | | | | | | |

Date: 12/8/07 Time: 1400 Relinquished by:

Received by: 9:30 12/11/07

Date: Time: Relinquished by:

Received by:

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# Chain-of-Custody Record

Client: CYPRESS ENGINEERING SERVICES

Address: 7171 Hwy 6 NORTH STE 102

Phone #: 281.797.3420

email or Fax#: 281.859.1881

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: TRANSWESTERN PIPELINE CO BELL LAKE

Project #: @ TWP BELL LAKES

Project Manager: GEORGE ROBINSON

Sampler: SANDY SMITH

On Ice: ☒ Yes ☐ No

Sample Temperature: 5°


HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107


Analysis Request

| Date | Time | Sample Request ID | Container Type and # | Preservative Type | HEAL No. 0712140 | BTEX + ~~MTBE + TMB~~'s (8021) | BTEX + MTBE + TPH (Gas only) | TPH Method 8015B (Gas/Diesel) | TPH (Method 418.1) | EDB (Method 504.1) | EDC (Method 8260) | 8310 (PNA or PAH) | Anions ($F,Cl,NO_3,NO_2,PO_4,SO_4$) | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) | | | | | Air Bubbles (Y or N) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/6/07 | 0945 | MW-16 | 40ml VOA X3 | HCl | 12 | X | | | | | | | | | | | | | | | |
| " | 0940 | MW-13 | " | " | 13 | X | | | | | | | | | | | | | | | |
| " | 1030 | MW-12 | " | " | 14 | X | | | | | | | | | | | | | | | |
| " | 1035 | MW-15 | " | " | 15 | X | | | | | | | | | | | | | | | |
| " | 1115 | MW-11 | " | " | 16 | X | | | | | | | | | | | | | | | |
| " | 0955 | MW-22 | " | " | 17 | X | | | | | | | | | | | | | | | |
| " | 1110 | MW-10 | " | " | 18 | X | | | | | | | | | | | | | | | |
| " | 1105 | MW-9 | " | " | 19 | X | | | | | | | | | | | | | | | |
| " | 1445 | MW-19 | " | " | 20 | X | | | | | | | | | | | | | | | |
| " | 1155 | MW-8 | " | " | 21 | X | | | | | | | | | | | | | | | |
| " | 1245 | MW-5 | " | " | 22 | X | | | | | | | | | | | | | | | |
| " | 1240 | MW-6 | " | " | 23 | X | | | | | | | | | | | | | | | |

| Date | Time | Relinquished by: | Received by: | Remarks: |
|---|---|---|---|---|
| 12/8/07 | 1800 | | 9:30 12/11/07 | |
| Date: | Time: | Relinquished by: | Received by: | |

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

# COVER LETTER

Monday, June 09, 2008

George Robinson
Cypress Engineering
7171 Highway 6 North
Suite 102
Houston, TX 770952422

TEL: (281) 797-3420
FAX (281) 859-1881

RE: TWP Bell Lake

Order No.: 0805329

Dear George Robinson:

Hall Environmental Analysis Laboratory, Inc. received 23 sample(s) on 5/23/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

**Hall Environmental Analysis Laboratory, Inc.** **Date:** *09-Jun-08*

**CLIENT:** Cypress Engineering
**Project:** TWP Bell Lake
**Lab Order:** 0805329

## CASE NARRATIVE

The following samples were received with a pH greater than 2 for volatiles analysis:

SVE-2, SVE-5, SVE-6, SVE-11, MW-22

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-16 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/21/2008 10:40:00 AM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-01 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 5/27/2008 7:26:01 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 5/27/2008 7:26:01 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 5/27/2008 7:26:01 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 5/27/2008 7:26:01 PM |
| Surr: 4-Bromofluorobenzene | 95.5 | 68.9-122 | | %REC | 1 | 5/27/2008 7:26:01 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 180 | 1.0 | | mg/L | 10 | 5/29/2008 7:45:50 PM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | ND | 0.020 | | mg/L | 1 | 5/27/2008 12:15:58 PM |
| Barium | 0.081 | 0.020 | | mg/L | 1 | 5/27/2008 12:15:58 PM |
| Manganese | ND | 0.0020 | | mg/L | 1 | 5/27/2008 12:15:58 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 1300 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-13 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/21/2008 11:20:00 AM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-02 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 5/27/2008 7:56:09 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 5/27/2008 7:56:09 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 5/27/2008 7:56:09 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 5/27/2008 7:56:09 PM |
| Surr: 4-Bromofluorobenzene | 95.5 | 68.9-122 | | %REC | 1 | 5/27/2008 7:56:09 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 1700 | 10 | | mg/L | 100 | 5/31/2008 5:06:21 AM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | ND | 0.020 | | mg/L | 1 | 5/27/2008 12:20:06 PM |
| Barium | 1.2 | 0.10 | | mg/L | 5 | 5/27/2008 2:06:36 PM |
| Manganese | 0.88 | 0.0020 | | mg/L | 1 | 5/27/2008 12:20:06 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 3300 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-12 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/21/2008 12:40:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-03 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 2.8 | 1.0 | | µg/L | 1 | 5/27/2008 8:26:24 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 5/27/2008 8:26:24 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 5/27/2008 8:26:24 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 5/27/2008 8:26:24 PM |
| Surr: 4-Bromofluorobenzene | 92.1 | 68.9-122 | | %REC | 1 | 5/27/2008 8:26:24 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 650 | 5.0 | | mg/L | 50 | 5/31/2008 5:23:46 AM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | ND | 0.020 | | mg/L | 1 | 5/27/2008 12:22:37 PM |
| Barium | 0.67 | 0.020 | | mg/L | 1 | 5/27/2008 12:22:37 PM |
| Manganese | 0.085 | 0.0020 | | mg/L | 1 | 5/27/2008 12:22:37 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 1500 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-15 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/21/2008 11:55:00 AM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-04 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 5/27/2008 8:56:28 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 5/27/2008 8:56:28 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 5/27/2008 8:56:28 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 5/27/2008 8:56:28 PM |
| Surr: 4-Bromofluorobenzene | 83.9 | 68.9-122 | | %REC | 1 | 5/27/2008 8:56:28 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 1600 | 10 | | mg/L | 100 | 5/31/2008 5:41:11 AM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | ND | 0.020 | | mg/L | 1 | 5/27/2008 12:25:06 PM |
| Barium | 0.52 | 0.020 | | mg/L | 1 | 5/27/2008 12:25:06 PM |
| Manganese | 4.8 | 0.020 | | mg/L | 10 | 5/27/2008 2:09:03 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 3600 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-11 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/21/2008 1:30:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-05 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 460 | 10 | | µg/L | 10 | 5/27/2008 9:29:14 PM |
| Toluene | 38 | 10 | | µg/L | 10 | 5/27/2008 9:29:14 PM |
| Ethylbenzene | 35 | 10 | | µg/L | 10 | 5/27/2008 9:29:14 PM |
| Xylenes, Total | 840 | 20 | | µg/L | 10 | 5/27/2008 9:29:14 PM |
| Surr: 4-Bromofluorobenzene | 103 | 68.9-122 | | %REC | 10 | 5/27/2008 9:29:14 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 3800 | 20 | | mg/L | 200 | 5/31/2008 5:58:36 AM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.78 | 0.020 | | mg/L | 1 | 5/27/2008 12:27:34 PM |
| Barium | 4.6 | 0.20 | | mg/L | 10 | 5/27/2008 2:11:49 PM |
| Manganese | 1.4 | 0.020 | | mg/L | 10 | 5/27/2008 2:11:49 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 7800 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-10 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/21/2008 2:05:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-06 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 36 | 1.0 | | µg/L | 1 | 5/27/2008 9:59:16 PM |
| Toluene | 2.0 | 1.0 | | µg/L | 1 | 5/27/2008 9:59:16 PM |
| Ethylbenzene | 5.3 | 1.0 | | µg/L | 1 | 5/27/2008 9:59:16 PM |
| Xylenes, Total | 69 | 2.0 | | µg/L | 1 | 5/27/2008 9:59:16 PM |
| Surr: 4-Bromofluorobenzene | 105 | 68.9-122 | | %REC | 1 | 5/27/2008 9:59:16 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 3700 | 20 | | mg/L | 200 | 5/31/2008 6:50:49 AM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.20 | 0.020 | | mg/L | 1 | 5/27/2008 12:30:02 PM |
| Barium | 16 | 0.40 | | mg/L | 20 | 5/27/2008 2:14:20 PM |
| Manganese | 1.6 | 0.040 | | mg/L | 20 | 5/27/2008 2:14:20 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 7300 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-9 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/21/2008 3:00:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-07 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 230 | 10 | | µg/L | 10 | 5/27/2008 10:31:58 PM |
| Toluene | 83 | 10 | | µg/L | 10 | 5/27/2008 10:31:58 PM |
| Ethylbenzene | 24 | 10 | | µg/L | 10 | 5/27/2008 10:31:58 PM |
| Xylenes, Total | 740 | 20 | | µg/L | 10 | 5/27/2008 10:31:58 PM |
| Surr: 4-Bromofluorobenzene | 91.7 | 68.9-122 | | %REC | 10 | 5/27/2008 10:31:58 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 2800 | 20 | | mg/L | 200 | 5/31/2008 7:08:13 AM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.49 | 0.020 | | mg/L | 1 | 5/27/2008 12:33:28 PM |
| Barium | 6.1 | 0.20 | | mg/L | 10 | 5/27/2008 2:16:49 PM |
| Manganese | 0.022 | 0.0020 | | mg/L | 1 | 5/27/2008 12:33:28 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 7000 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-19 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/21/2008 9:30:00 AM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-08 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 220 | 10 | | µg/L | 10 | 5/27/2008 11:04:33 PM |
| Toluene | 83 | 10 | | µg/L | 10 | 5/27/2008 11:04:33 PM |
| Ethylbenzene | 23 | 10 | | µg/L | 10 | 5/27/2008 11:04:33 PM |
| Xylenes, Total | 730 | 20 | | µg/L | 10 | 5/27/2008 11:04:33 PM |
| Surr: 4-Bromofluorobenzene | 105 | 68.9-122 | | %REC | 10 | 5/27/2008 11:04:33 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 2900 | 20 | | mg/L | 200 | 5/31/2008 7:25:37 AM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.53 | 0.020 | | mg/L | 1 | 5/27/2008 12:35:57 PM |
| Barium | 6.1 | 0.20 | | mg/L | 10 | 5/27/2008 2:19:18 PM |
| Manganese | 0.023 | 0.0020 | | mg/L | 1 | 5/27/2008 12:35:57 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 7300 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit |
| S | Spike recovery outside accepted recovery limits |
| B | Analyte detected in the associated Method Blank |
| H | Holding times for preparation or analysis exceeded |
| MCL | Maximum Contaminant Level |
| RL | Reporting Limit |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-8 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/21/2008 4:00:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-09 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 140 | 5.0 | | µg/L | 5 | 5/28/2008 5:08:26 PM |
| Toluene | 240 | 5.0 | | µg/L | 5 | 5/28/2008 5:08:26 PM |
| Ethylbenzene | 12 | 5.0 | | µg/L | 5 | 5/28/2008 5:08:26 PM |
| Xylenes, Total | 260 | 10 | | µg/L | 5 | 5/28/2008 5:08:26 PM |
| Surr: 4-Bromofluorobenzene | 98.9 | 68.9-122 | | %REC | 5 | 5/28/2008 5:08:26 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 500 | 2.0 | | mg/L | 20 | 5/31/2008 7:43:02 AM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.21 | 0.020 | | mg/L | 1 | 5/27/2008 12:43:55 PM |
| Barium | 0.33 | 0.020 | | mg/L | 1 | 5/27/2008 12:43:55 PM |
| Manganese | 0.0067 | 0.0020 | | mg/L | 1 | 5/27/2008 12:43:55 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 2000 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-7 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/21/2008 5:10:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-10 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 5/28/2008 12:07:27 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 5/28/2008 12:07:27 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 5/28/2008 12:07:27 AM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 5/28/2008 12:07:27 AM |
| Surr: 4-Bromofluorobenzene | 101 | 68.9-122 | | %REC | 1 | 5/28/2008 12:07:27 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 790 | 5.0 | | mg/L | 50 | 5/31/2008 8:00:26 AM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | ND | 0.020 | | mg/L | 1 | 5/27/2008 12:46:23 PM |
| Barium | 0.40 | 0.020 | | mg/L | 1 | 5/27/2008 12:46:23 PM |
| Manganese | 2.6 | 0.010 | | mg/L | 5 | 5/27/2008 2:29:10 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 3100 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit |
| S | Spike recovery outside accepted recovery limits |
| B | Analyte detected in the associated Method Blank |
| H | Holding times for preparation or analysis exceeded |
| MCL | Maximum Contaminant Level |
| RL | Reporting Limit |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | SVE-2 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/20/2008 8:50:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-11 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 50 | 1.0 | | µg/L | 1 | 5/28/2008 2:07:44 AM |
| Toluene | 61 | 1.0 | | µg/L | 1 | 5/28/2008 2:07:44 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 5/28/2008 2:07:44 AM |
| Xylenes, Total | 19 | 2.0 | | µg/L | 1 | 5/28/2008 2:07:44 AM |
| Surr: 4-Bromofluorobenzene | 92.2 | 68.9-122 | | %REC | 1 | 5/28/2008 2:07:44 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 660 | 5.0 | | mg/L | 50 | 5/31/2008 8:17:51 AM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.22 | 0.020 | | mg/L | 1 | 5/27/2008 12:48:51 PM |
| Barium | 0.077 | 0.020 | | mg/L | 1 | 5/27/2008 12:48:51 PM |
| Manganese | 0.12 | 0.0020 | | mg/L | 1 | 5/27/2008 12:48:51 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 2100 | 20 | | mg/L | 1 | 5/27/2008 |

| | | | | | |
|---|---|---|---|---|---|
| **Qualifiers:** | * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank | |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | |
| | J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level | |
| | ND | Not Detected at the Reporting Limit | RL | Reporting Limit | |
| | S | Spike recovery outside accepted recovery limits | | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | SVE-5 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/20/2008 9:10:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-12 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 640 | 20 | | µg/L | 20 | 5/28/2008 2:40:22 AM |
| Toluene | 1800 | 20 | | µg/L | 20 | 5/28/2008 2:40:22 AM |
| Ethylbenzene | 86 | 20 | | µg/L | 20 | 5/28/2008 2:40:22 AM |
| Xylenes, Total | 2100 | 40 | | µg/L | 20 | 5/28/2008 2:40:22 AM |
| Surr: 4-Bromofluorobenzene | 122 | 68.9-122 | | %REC | 20 | 5/28/2008 2:40:22 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 4500 | 20 | | mg/L | 200 | 5/31/2008 8:35:15 AM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.37 | 0.020 | | mg/L | 1 | 5/27/2008 12:52:58 PM |
| Barium | 1.9 | 0.10 | | mg/L | 5 | 5/27/2008 2:31:39 PM |
| Manganese | ND | 0.0020 | | mg/L | 1 | 5/27/2008 12:52:58 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 15000 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit |
| S | Spike recovery outside accepted recovery limits |
| B | Analyte detected in the associated Method Blank |
| H | Holding times for preparation or analysis exceeded |
| MCL | Maximum Contaminant Level |
| RL | Reporting Limit |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | SVE-6 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/21/2008 4:20:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-13 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 170 | 10 | | µg/L | 10 | 5/28/2008 3:13:02 AM |
| Toluene | 370 | 10 | | µg/L | 10 | 5/28/2008 3:13:02 AM |
| Ethylbenzene | ND | 10 | | µg/L | 10 | 5/28/2008 3:13:02 AM |
| Xylenes, Total | 170 | 20 | | µg/L | 10 | 5/28/2008 3:13:02 AM |
| Surr: 4-Bromofluorobenzene | 112 | 68.9-122 | | %REC | 10 | 5/28/2008 3:13:02 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 1500 | 10 | | mg/L | 100 | 5/31/2008 8:52:39 AM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.32 | 0.020 | | mg/L | 1 | 5/27/2008 12:55:26 PM |
| Barium | 0.22 | 0.020 | | mg/L | 1 | 5/27/2008 12:55:26 PM |
| Manganese | 0.0022 | 0.0020 | | mg/L | 1 | 5/27/2008 12:55:26 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 7700 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-1 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/20/2008 8:30:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-14 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 5.0 | 1.0 | | µg/L | 1 | 5/28/2008 3:43:10 AM |
| Toluene | 5.8 | 1.0 | | µg/L | 1 | 5/28/2008 3:43:10 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 5/28/2008 3:43:10 AM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 5/28/2008 3:43:10 AM |
| Surr: 4-Bromofluorobenzene | 97.5 | 68.9-122 | | %REC | 1 | 5/28/2008 3:43:10 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 970 | 5.0 | | mg/L | 50 | 5/31/2008 9:10:03 AM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.075 | 0.020 | | mg/L | 1 | 5/27/2008 12:57:57 PM |
| Barium | 0.17 | 0.020 | | mg/L | 1 | 5/27/2008 12:57:57 PM |
| Manganese | 0.068 | 0.0020 | | mg/L | 1 | 5/27/2008 12:57:57 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 2900 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit |
| S | Spike recovery outside accepted recovery limits |
| B | Analyte detected in the associated Method Blank |
| H | Holding times for preparation or analysis exceeded |
| MCL | Maximum Contaminant Level |
| RL | Reporting Limit |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-5 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/22/2008 9:55:00 AM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-15 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 40 | 1.0 | | µg/L | 1 | 5/28/2008 4:13:13 AM |
| Toluene | 75 | 1.0 | | µg/L | 1 | 5/28/2008 4:13:13 AM |
| Ethylbenzene | 5.5 | 1.0 | | µg/L | 1 | 5/28/2008 4:13:13 AM |
| Xylenes, Total | 87 | 2.0 | | µg/L | 1 | 5/28/2008 4:13:13 AM |
| Surr: 4-Bromofluorobenzene | 109 | 68.9-122 | | %REC | 1 | 5/28/2008 4:13:13 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 1200 | 10 | | mg/L | 100 | 6/2/2008 1:00:13 PM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.20 | 0.020 | | mg/L | 1 | 5/27/2008 1:00:26 PM |
| Barium | 0.16 | 0.020 | | mg/L | 1 | 5/27/2008 1:00:26 PM |
| Manganese | 0.015 | 0.0020 | | mg/L | 1 | 5/27/2008 1:00:26 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 4200 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit |
| S | Spike recovery outside accepted recovery limits |
| B | Analyte detected in the associated Method Blank |
| H | Holding times for preparation or analysis exceeded |
| MCL | Maximum Contaminant Level |
| RL | Reporting Limit |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-6 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/22/2008 10:30:00 AM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-16 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 33 | 1.0 | | µg/L | 1 | 5/28/2008 4:43:17 AM |
| Toluene | 36 | 1.0 | | µg/L | 1 | 5/28/2008 4:43:17 AM |
| Ethylbenzene | 24 | 1.0 | | µg/L | 1 | 5/28/2008 4:43:17 AM |
| Xylenes, Total | 49 | 2.0 | | µg/L | 1 | 5/28/2008 4:43:17 AM |
| Surr: 4-Bromofluorobenzene | 107 | 68.9-122 | | %REC | 1 | 5/28/2008 4:43:17 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 1400 | 10 | | mg/L | 100 | 6/2/2008 2:09:51 PM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.20 | 0.020 | | mg/L | 1 | 5/27/2008 1:02:58 PM |
| Barium | 0.27 | 0.020 | | mg/L | 1 | 5/27/2008 1:02:58 PM |
| Manganese | 0.0050 | 0.0020 | | mg/L | 1 | 5/27/2008 1:02:58 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 3400 | 20 | | mg/L | 1 | 5/27/2008 |

| | | | | | |
|---|---|---|---|---|---|
| **Qualifiers:** | * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| | ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| | S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-14 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/22/2008 11:25:00 AM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-17 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 5/28/2008 5:13:21 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 5/28/2008 5:13:21 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 5/28/2008 5:13:21 AM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 5/28/2008 5:13:21 AM |
| Surr: 4-Bromofluorobenzene, | 86.9 | 68.9-122 | | %REC | 1 | 5/28/2008 5:13:21 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 140 | 10 | | mg/L | 100 | 6/2/2008 2:27:16 PM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | ND | 0.020 | | mg/L | 1 | 5/27/2008 1:05:24 PM |
| Barium | 0.11 | 0.020 | | mg/L | 1 | 5/27/2008 1:05:24 PM |
| Manganese | 0.18 | 0.0020 | | mg/L | 1 | 5/27/2008 1:05:24 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 1800 | 20 | | mg/L | 1 | 5/27/2008 |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | SVE-7 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/22/2008 2:05:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-18 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 4.3 | 1.0 | | µg/L | 1 | 5/28/2008 5:43:23 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 5/28/2008 5:43:23 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 5/28/2008 5:43:23 AM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 5/28/2008 5:43:23 AM |
| Surr: 4-Bromofluorobenzene | 96.2 | 68.9-122 | | %REC | 1 | 5/28/2008 5:43:23 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 1500 | 10 | | mg/L | 100 | 6/2/2008 2:44:40 PM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.041 | 0.020 | | mg/L | 1 | 5/27/2008 1:07:51 PM |
| Barium | 0.17 | 0.020 | | mg/L | 1 | 5/27/2008 1:07:51 PM |
| Manganese | 0.10 | 0.0020 | | mg/L | 1 | 5/27/2008 1:07:51 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 3800 | 20 | | mg/L | 1 | 5/29/2008 |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level |
| E | Value above quantitation range |
| J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit |
| S | Spike recovery outside accepted recovery limits |
| B | Analyte detected in the associated Method Blank |
| H | Holding times for preparation or analysis exceeded |
| MCL | Maximum Contaminant Level |
| RL | Reporting Limit |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | SVE-11 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/22/2008 12:45:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-19 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 500 | 20 | | µg/L | 20 | 5/28/2008 5:41:05 PM |
| Toluene | 1500 | 20 | | µg/L | 20 | 5/28/2008 5:41:05 PM |
| Ethylbenzene | 54 | 20 | | µg/L | 20 | 5/28/2008 5:41:05 PM |
| Xylenes, Total | 1200 | 40 | | µg/L | 20 | 5/28/2008 5:41:05 PM |
| Surr: 4-Bromofluorobenzene | 117 | 68.9-122 | | %REC | 20 | 5/28/2008 5:41:05 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 1900 | 10 | | mg/L | 100 | 6/2/2008 3:02:04 PM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.34 | 0.020 | | mg/L | 1 | 5/27/2008 1:17:44 PM |
| Barium | 0.19 | 0.020 | | mg/L | 1 | 5/27/2008 1:17:44 PM |
| Manganese | 0.0025 | 0.0020 | | mg/L | 1 | 5/27/2008 1:17:44 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 8900 | 100 | | mg/L | 1 | 5/29/2008 |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-2 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/22/2008 1:20:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-20 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 3.7 | 1.0 | | µg/L | 1 | 5/28/2008 6:11:15 PM |
| Toluene | 2.8 | 1.0 | | µg/L | 1 | 5/28/2008 6:11:15 PM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 5/28/2008 6:11:15 PM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 5/28/2008 6:11:15 PM |
| Surr: 4-Bromofluorobenzene | 103 | 68.9-122 | | %REC | 1 | 5/28/2008 6:11:15 PM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 180 | 10 | | mg/L | 100 | 6/2/2008 3:19:29 PM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.071 | 0.020 | | mg/L | 1 | 5/27/2008 1:20:12 PM |
| Barium | 0.35 | 0.020 | | mg/L | 1 | 5/27/2008 1:20:12 PM |
| Manganese | 0.24 | 0.0020 | | mg/L | 1 | 5/27/2008 1:20:12 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 720 | 20 | | mg/L | 1 | 5/29/2008 |

| | | | | | |
|---|---|---|---|---|---|
| **Qualifiers:** | * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| | ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| | S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | Water Well |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/20/2008 9:30:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-21 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 5/29/2008 12:42:43 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 5/29/2008 12:42:43 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 5/29/2008 12:42:43 AM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 5/29/2008 12:42:43 AM |
| Surr: 4-Bromofluorobenzene | 93.4 | 68.9-122 | | %REC | 1 | 5/29/2008 12:42:43 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 98 | 10 | | mg/L | 100 | 6/2/2008 3:36:53 PM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | ND | 0.020 | | mg/L | 1 | 5/27/2008 5:09:06 PM |
| Barium | ND | 0.020 | | mg/L | 1 | 5/27/2008 5:09:06 PM |
| Manganese | 0.0099 | 0.0020 | | mg/L | 1 | 5/27/2008 5:09:06 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 820 | 20 | | mg/L | 1 | 5/27/2008 |

| Qualifiers: | | | | |
|---|---|---|---|---|
| | * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| | ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| | S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | Trip Blank |
| **Lab Order:** | 0805329 | **Collection Date:** | |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-22 | **Matrix:** | TRIP BLANK |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | ND | 1.0 | | µg/L | 1 | 5/29/2008 1:12:51 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 5/29/2008 1:12:51 AM |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 5/29/2008 1:12:51 AM |
| Xylenes, Total | ND | 2.0 | | µg/L | 1 | 5/29/2008 1:12:51 AM |
| Surr: 4-Bromofluorobenzene | 93.9 | 68.9-122 | | %REC | 1 | 5/29/2008 1:12:51 AM |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| S | Spike recovery outside accepted recovery limits | | |

# Hall Environmental Analysis Laboratory, Inc.

**Date:** *09-Jun-08*

| | | | |
|---|---|---|---|
| **CLIENT:** | Cypress Engineering | **Client Sample ID:** | MW-22 |
| **Lab Order:** | 0805329 | **Collection Date:** | 5/20/2008 7:00:00 PM |
| **Project:** | TWP Bell Lake | **Date Received:** | 5/23/2008 |
| **Lab ID:** | 0805329-23 | **Matrix:** | AQUEOUS |

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **NSB** |
| Benzene | 550 | 10 | | µg/L | 10 | 5/29/2008 1:45:32 AM |
| Toluene | 1800 | 50 | | µg/L | 50 | 5/29/2008 11:32:38 AM |
| Ethylbenzene | 74 | 10 | | µg/L | 10 | 5/29/2008 1:45:32 AM |
| Xylenes, Total | 1700 | 20 | | µg/L | 10 | 5/29/2008 1:45:32 AM |
| Surr: 4-Bromofluorobenzene | 135 | 68.9-122 | S | %REC | 10 | 5/29/2008 1:45:32 AM |
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SLB** |
| Chloride | 3800 | 10 | | mg/L | 100 | 6/2/2008 4:29:07 PM |
| **EPA METHOD 6010B: DISSOLVED METALS** | | | | | | Analyst: **TES** |
| Arsenic | 0.31 | 0.020 | | mg/L | 1 | 5/27/2008 5:12:17 PM |
| Barium | 1.9 | 0.10 | | mg/L | 5 | 5/28/2008 5:26:18 PM |
| Manganese | 0.0021 | 0.0020 | | mg/L | 1 | 5/27/2008 5:12:17 PM |
| **SM 2540C TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KMS** |
| Total Dissolved Solids | 13000 | 20 | | mg/L | 1 | 5/27/2008 |

| | | | | | |
|---|---|---|---|---|---|
| **Qualifiers:** | * | Value exceeds Maximum Contaminant Level | B | Analyte detected in the associated Method Blank |
| | E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| | J | Analyte detected below quantitation limits | MCL | Maximum Contaminant Level |
| | ND | Not Detected at the Reporting Limit | RL | Reporting Limit |
| | S | Spike recovery outside accepted recovery limits | | |

# QA/QC SUMMARY REPORT

**Client:** Cypress Engineering
**Project:** TWP Bell Lake **Work Order:** 0805329

| Analyte | Result | Units | PQL | %Rec | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Method: EPA Method 300.0: Anions** | | | | | | | | | |
| **Sample ID: MB** | | *MBLK* | | | Batch ID: | **R28726** | Analysis Date: | 5/29/2008 8:44:16 AM | |
| Chloride | ND | mg/L | 0.10 | | | | | | |
| **Sample ID: MB** | | *MBLK* | | | Batch ID: | **R28742** | Analysis Date: | 5/30/2008 9:57:23 AM | |
| Chloride | ND | mg/L | 0.10 | | | | | | |
| **Sample ID: MB** | | *MBLK* | | | Batch ID: | **R28758** | Analysis Date: | 6/2/2008 9:31:16 AM | |
| Chloride | ND | mg/L | 0.10 | | | | | | |
| **Sample ID: LCS** | | *LCS* | | | Batch ID: | **R28726** | Analysis Date: | 5/29/2008 9:01:41 AM | |
| Chloride | 4.860 | mg/L | 0.10 | 97.2 | 90 | 110 | | | |
| **Sample ID: LCS** | | *LCS* | | | Batch ID: | **R28742** | Analysis Date: | 5/30/2008 10:14:48 AM | |
| Chloride | 4.829 | mg/L | 0.10 | 96.6 | 90 | 110 | | | |
| **Sample ID: LCS** | | *LCS* | | | Batch ID: | **R28758** | Analysis Date: | 6/2/2008 9:48:41 AM | |
| Chloride | 4.849 | mg/L | 0.10 | 97.0 | 90 | 110 | | | |
| **Sample ID: LCS-new** | | *LCS* | | | Batch ID: | **R28758** | Analysis Date: | 6/3/2008 12:36:31 AM | |
| Chloride | 4.808 | mg/L | 0.10 | 96.2 | 90 | 110 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| R | RPD outside accepted recovery limits | S | Spike recovery outside accepted recovery limits |

# QA/QC SUMMARY REPORT

**Client:** Cypress Engineering
**Project:** TWP Bell Lake **Work Order:** 0805329

| Analyte | Result | Units | PQL | %Rec | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Method: EPA Method 8021B: Volatiles** | | | | | | | | | |
| **Sample ID: 0805329-17A MSD** | | *MSD* | | | Batch ID: | **R28686** | Analysis Date: | | 5/28/2008 6:43:36 AM |
| Benzene | 20.44 | µg/L | 1.0 | 100 | 85.9 | 113 | 0.371 | 27 | |
| Toluene | 20.22 | µg/L | 1.0 | 99.8 | 86.4 | 113 | 0.217 | 19 | |
| Ethylbenzene | 19.86 | µg/L | 1.0 | 99.3 | 83.5 | 118 | 1.19 | 10 | |
| Xylenes, Total | 60.58 | µg/L | 2.0 | 101 | 83.4 | 122 | 0.389 | 13 | |
| **Sample ID: 0805329-21A MSD** | | *MSD* | | | Batch ID: | **R28708** | Analysis Date: | | 5/28/2008 7:41:45 PM |
| Benzene | 19.66 | µg/L | 1.0 | 97.5 | 85.9 | 113 | 0.0814 | 27 | |
| Toluene | 19.44 | µg/L | 1.0 | 97.2 | 86.4 | 113 | 0.646 | 19 | |
| Ethylbenzene | 19.62 | µg/L | 1.0 | 98.1 | 83.5 | 118 | 0.953 | 10 | |
| Xylenes, Total | 59.28 | µg/L | 2.0 | 98.8 | 83.4 | 122 | 1.98 | 13 | |
| **Sample ID: 5ML RB-II** | | *MBLK* | | | Batch ID: | **R28686** | Analysis Date: | | 5/28/2008 1:37:46 AM |
| Benzene | ND | µg/L | 1.0 | | | | | | |
| Toluene | ND | µg/L | 1.0 | | | | | | |
| Ethylbenzene | ND | µg/L | 1.0 | | | | | | |
| Xylenes, Total | ND | µg/L | 2.0 | | | | | | |
| **Sample ID: 5ML RB** | | *MBLK* | | | Batch ID: | **R28708** | Analysis Date: | | 5/28/2008 9:02:08 AM |
| Benzene | ND | µg/L | 1.0 | | | | | | |
| Toluene | ND | µg/L | 1.0 | | | | | | |
| Ethylbenzene | ND | µg/L | 1.0 | | | | | | |
| Xylenes, Total | ND | µg/L | 2.0 | | | | | | |
| **Sample ID: 100NG BTEX LCS-II** | | *LCS* | | | Batch ID: | **R28686** | Analysis Date: | | 5/28/2008 12:37:35 AM |
| Benzene | 19.49 | µg/L | 1.0 | 97.4 | 85.9 | 113 | | | |
| Toluene | 19.68 | µg/L | 1.0 | 98.4 | 86.4 | 113 | | | |
| Ethylbenzene | 19.66 | µg/L | 1.0 | 98.3 | 83.5 | 118 | | | |
| Xylenes, Total | 59.66 | µg/L | 2.0 | 99.4 | 83.4 | 122 | | | |
| **Sample ID: 100NG BTEX LCS** | | *LCS* | | | Batch ID: | **R28708** | Analysis Date: | | 5/28/2008 10:12:09 PM |
| Benzene | 19.22 | µg/L | 1.0 | 96.1 | 85.9 | 113 | | | |
| Toluene | 19.56 | µg/L | 1.0 | 97.8 | 86.4 | 113 | | | |
| Ethylbenzene | 19.31 | µg/L | 1.0 | 96.5 | 83.5 | 118 | | | |
| Xylenes, Total | 58.73 | µg/L | 2.0 | 97.9 | 83.4 | 122 | | | |
| **Sample ID: 0805329-17A MS** | | *MS* | | | Batch ID: | **R28686** | Analysis Date: | | 5/28/2008 6:13:31 AM |
| Benzene | 20.51 | µg/L | 1.0 | 101 | 85.9 | 113 | | | |
| Toluene | 20.27 | µg/L | 1.0 | 100 | 86.4 | 113 | | | |
| Ethylbenzene | 20.10 | µg/L | 1.0 | 100 | 83.5 | 118 | | | |
| Xylenes, Total | 60.81 | µg/L | 2.0 | 101 | 83.4 | 122 | | | |
| **Sample ID: 0805329-21A MS** | | *MS* | | | Batch ID: | **R28708** | Analysis Date: | | 5/28/2008 7:11:37 PM |
| Benzene | 19.68 | µg/L | 1.0 | 97.6 | 85.9 | 113 | | | |
| Toluene | 19.56 | µg/L | 1.0 | 97.8 | 86.4 | 113 | | | |
| Ethylbenzene | 19.81 | µg/L | 1.0 | 99.1 | 83.5 | 118 | | | |
| Xylenes, Total | 60.46 | µg/L | 2.0 | 101 | 83.4 | 122 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| R | RPD outside accepted recovery limits | S | Spike recovery outside accepted recovery limits |

# QA/QC SUMMARY REPORT

**Client:** Cypress Engineering
**Project:** TWP Bell Lake **Work Order:** 0805329

| Analyte | Result | Units | PQL | %Rec | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Method: EPA Method 6010B: Dissolved Metals** | | | | | | | | | |
| **Sample ID: 0805329-20CMSD** | | *MSD* | | | Batch ID: **R28677** | | Analysis Date: | 5/27/2008 1:26:47 PM | |
| Arsenic | 0.6416 | mg/L | 0.020 | 114 | 75 | 125 | 0.839 | 20 | |
| Barium | 0.8635 | mg/L | 0.020 | 102 | 75 | 125 | 0.144 | 20 | |
| Manganese | 0.7417 | mg/L | 0.0020 | 101 | 75 | 125 | 0.125 | 20 | |
| **Sample ID: MB** | | *MBLK* | | | Batch ID: **R28677** | | Analysis Date: | 5/27/2008 12:11:02 PM | |
| Arsenic | ND | mg/L | 0.020 | | | | | | |
| Barium | ND | mg/L | 0.020 | | | | | | |
| Manganese | ND | mg/L | 0.0020 | | | | | | |
| **Sample ID: MB** | | *MBLK* | | | Batch ID: **R28681** | | Analysis Date: | 5/27/2008 4:06:56 PM | |
| Arsenic | ND | mg/L | 0.020 | | | | | | |
| Barium | ND | mg/L | 0.020 | | | | | | |
| Manganese | ND | mg/L | 0.0020 | | | | | | |
| **Sample ID: LCS** | | *LCS* | | | Batch ID: **R28677** | | Analysis Date: | 5/27/2008 12:13:27 PM | |
| Arsenic | 0.5097 | mg/L | 0.020 | 102 | 80 | 120 | | | |
| Barium | 0.4961 | mg/L | 0.020 | 99.2 | 80 | 120 | | | |
| Manganese | 0.4930 | mg/L | 0.0020 | 98.6 | 80 | 120 | | | |
| **Sample ID: LCS** | | *LCS* | | | Batch ID: **R28681** | | Analysis Date: | 5/27/2008 4:09:57 PM | |
| Arsenic | 0.4919 | mg/L | 0.020 | 98.4 | 80 | 120 | | | |
| Barium | 0.4785 | mg/L | 0.020 | 95.7 | 80 | 120 | | | |
| Manganese | 0.4759 | mg/L | 0.0020 | 95.2 | 80 | 120 | | | |
| **Sample ID: 0805329-20CMS** | | *MS* | | | Batch ID: **R28677** | | Analysis Date: | 5/27/2008 1:22:41 PM | |
| Arsenic | 0.6362 | mg/L | 0.020 | 113 | 75 | 125 | | | |
| Barium | 0.8648 | mg/L | 0.020 | 102 | 75 | 125 | | | |
| Manganese | 0.7427 | mg/L | 0.0020 | 101 | 75 | 125 | | | |
| **Method: SM 2540C Total Dissolved Solids** | | | | | | | | | |
| **Sample ID: 0805329-20BMSD** | | *MSD* | | | Batch ID: **16049** | | Analysis Date: | 5/29/2008 | |
| Total Dissolved Solids | 1746 | mg/L | 20 | 103 | 80 | 120 | 0.459 | 20 | |
| **Sample ID: MB-16027** | | *MBLK* | | | Batch ID: **16027** | | Analysis Date: | 5/27/2008 | |
| Total Dissolved Solids | ND | mg/L | 20 | | | | | | |
| **Sample ID: MB-16029** | | *MBLK* | | | Batch ID: **16029** | | Analysis Date: | 5/27/2008 | |
| Total Dissolved Solids | ND | mg/L | 20 | | | | | | |
| **Sample ID: MB-16049** | | *MBLK* | | | Batch ID: **16049** | | Analysis Date: | 5/29/2008 | |
| Total Dissolved Solids | ND | mg/L | 20 | | | | | | |
| **Sample ID: LCS-16027** | | *LCS* | | | Batch ID: **16027** | | Analysis Date: | 5/27/2008 | |
| Total Dissolved Solids | 1012 | mg/L | 20 | 101 | 80 | 120 | | | |
| **Sample ID: LCS-16029** | | *LCS* | | | Batch ID: **16029** | | Analysis Date: | 5/27/2008 | |
| Total Dissolved Solids | 1008 | mg/L | 20 | 101 | 80 | 120 | | | |
| **Sample ID: LCS-16049** | | *LCS* | | | Batch ID: **16049** | | Analysis Date: | 5/29/2008 | |
| Total Dissolved Solids | 1025 | mg/L | 20 | 103 | 80 | 120 | | | |
| **Sample ID: 0805329-20BMS** | | *MS* | | | Batch ID: **16049** | | Analysis Date: | 5/29/2008 | |
| Total Dissolved Solids | 1738 | mg/L | 20 | 102 | 80 | 120 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| R | RPD outside accepted recovery limits | S | Spike recovery outside accepted recovery limits |

# Hall Environmental Analysis Laboratory, Inc.

## Sample Receipt Checklist

Client Name CYP | Date Received: 5/23/2008

Work Order Number 0805329 | Received by: ARS

Checklist completed by: _____ 5/23/08 | Sample ID labels checked by: AS

Signature | Date | Initials

Matrix: | Carrier name Greyhound

| | | | | |
|---|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ | |
| Custody seals intact on shipping container/cooler? | Yes ☑ | No ☐ | Not Present ☐ | Not Shipped ☐ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | N/A ☑ | |
| Chain of custody present? | Yes ☑ | No ☐ | | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | | |
| Sample containers intact? | Yes ☑ | No ☐ | | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | | |
| Samples received within holding time? | Yes ☑ | No ☐ | | |
| Water - VOA vials have zero headspace? | No VOA vials submitted ☐ | Yes ☑ | No ☐ | |
| Water - Preservation labels on bottle and cap match? | Yes ☑ | No ☐ | N/A ☐ | |
| Water - pH acceptable upon receipt? | Yes ☑ | No ☐ | N/A ☐ | |
| Container/Temp Blank temperature? | 3° | <6° C Acceptable If given sufficient time to cool. | | |

COMMENTS:

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Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 0.8mls HNO3 to head #7, 8, 12, 13, 19, 23 to get to acceptable pH. Added 0.4mls HNO3 to head # 2, 5, 10, 11, 14, 15, 16, 20 to get to acceptable pH. TS 5/22/08

Corrective Action _____

# Chain-of-Custody Record

Client: CYPRESS ENGINEERING SERVICES

Address: 7171 HWY 6 NORTH, STE 102
HOUSTON, TX 77095

Phone #: 281.797.3421

email or Fax#: 281.859.1881

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: TRANSWESTERN PIPELINE CO. BELL LAKE

Project #: GEORGE ROBINSON

Project Manager: TW BELL LAKE

Sampler: SANDY SHARP

On Ice: ☒ Yes ☐ No

Sample Temperature: 3

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

**Analysis Request**

| Date | Time | Sample Request ID | Container Type and # | Preservative Type | HEAL No. 0805329 | BTEX + MTBE + TMB's (8021) | BTEX + MTBE + TPH (Gas only) | TPH Method 8015B (Gas/Diesel) | TPH (Method 418.1) | EDB (Method 504.1) | EDC (Method 8260) | 8310 (PNA or PAH) | Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$) | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) | TDS, Cl | Dissolved As, Ba, Mn Fe Field Filtered | | | Air Bubbles (Y or N) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/21/08 | 1040 | MW-16 | 3/40/1500 1/125 | HCL NT HNO3 | 1 | X | | | | | | | | | | | X | X | | | |
| 5/21/08 | 1120 | MW-13 | | | 2 | | | | | | | | | | | | | | | | |
| 5/21/08 | 1240 | MW-12 | | | 3 | | | | | | | | | | | | | | | | |
| 5/21/08 | 1155 | MW-15 | | | 4 | | | | | | | | | | | | | | | | |
| 5/21/08 | 1330 | MW-11 | | | 5 | | | | | | | | | | | | | | | | |
| 5/21/08 | 1405 | MW-10 | | | 6 | | | | | | | | | | | | | | | | |
| 5/21/08 | 1500 | MW-9 | | | 7 | | | | | | | | | | | | | | | | |
| 5/21/08 | 0930 | MW-19 | | | 8 | | | | | | | | | | | | | | | | |
| 5/21/08 | 1600 | MW-8 | | | 9 | | | | | | | | | | | | | | | | |
| 5/21/08 | 1710 | MW-7 | | | 10 | | | | | | | | | | | | | | | | |
| 5/20/08 | 2050 | SVE-2 | | | 11 | | | | | | | | | | | | | | | | |
| 5/20/08 | 2110 | SVE-5 | | | 12 | | | | | | | | | | | | | | | | |

| Date: | Time: | Relinquished by: | Received by: | Remarks: |
|---|---|---|---|---|
| 5/22/08 | 1600 | | 8:00 5/23/08 | 3 COOLERS |
| Date: | Time: | Relinquished by: | Received by: | |

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# Chain-of-Custody Record

Client: CYPRESS ENGINEERING SERVICES
Address: 7171 Hwy 6 North, Ste 102 Houston TX 77095
Phone #: 281.797.3421
email or Fax#: 281.859.1881
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: TRANSWESTERN PIPELINE COMPANY BELL LAKE
Project #: TW BELL LAKE
Project Manager: GEORGE ROBINSON
Sampler: SANDY SHARP
On Ice: ☒ Yes ☐ No
Sample Temperature: 3°


HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107


Analysis Request

| Date | Time | Sample Request ID | Container Type and # | Preservative Type | HEAL No. 0805329 | BTEX + MTBE + TMB's (8021) | BTEX + MTBE + TPH (Gas only) | TPH Method 8015B (Gas/Diesel) | TPH (Method 418.1) | EDB (Method 504.1) | EDC (Method 8260) | 8310 (PNA or PAH) | Anions ($F,Cl,NO_3,NO_2,PO_4,SO_4$) | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) | TDS, Cl | Dissolved As, Ba, Mn Filtered | | | Air Bubbles (Y or N) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/21/08 | 1620 | SVE-6 | 3/40 1L 500 1L 250 | HCl NT HNO3 | 13 | X | | | | | | | | | | | X | X | | | |
| 5/20/08 | 2030 | MW-1 | | | 14 | | | | | | | | | | | | | | | | |
| 5/22/08 | 0955 | MW-5 | | | 15 | | | | | | | | | | | | | | | | |
| | 1030 | MW-6 | | | 16 | | | | | | | | | | | | | | | | |
| | 1125 | MW-14 | | | 17 | | | | | | | | | | | | | | | | |
| | 1405 | SVE-7 | | | 18 | | | | | | | | | | | | | | | | |
| | 1245 | SVE-11 | | | 19 | | | | | | | | | | | | | | | | |
| | 1320 | MW-2 | | | 20 | | | | | | | | | | | | | | | | |
| 5/20/08 | 2130 | WATER WELL | | | 21 | | | | | | | | | | | | 1 | 1 | | | |
| | | TRIP BLANK | 2/40mL 3/40 1L 500 1L 250 | HCl HCl NT HNO3 | 22 | X | | | | | | | | | | | | | | | |
| 5/20/08 | 1900 | MW-22 | | | 23 | X | | | | | | | | | | | X | X | | | |

| Date: | Time: | Relinquished by: | Received by: | Remarks: |
|---|---|---|---|---|
| 5/22/08 | 1600 | | 8:00 5/23/08 | 3 COOLERS |
| Date: | Time: | Relinquished by: | Received by: | |