GW - 007

MONITORING REPORT

2007 – Present Continuation

Chavez, Carl J, EMNRD

From: Parker, Ken [Ken.Parker@wnr.com]
Sent: Tuesday, July 22, 2008 11:51 AM
To: Price, Wayne, EMNRD; Chavez, Carl J, EMNRD; Williams, Chris, EMNRD
Subject: May and June
Attachments: Well 1 May-08.rtf; Well 2 May-08.rtf; Well 3 May-08.rtf; Well 4 May-08.rtf; Well 1 Jun-08.rtf; Well 2 Jun-08.rtf; Well 3 Jun-08.rtf; Well 4 Jun-08.rtf

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-131A
Revised June 10, 2003

Submit one copy to Santa Fe and one copy to appropriate District Office postmarked by 24th Day of succeeding month. See Rule 1131.

MONTHLY GAS STORAGE REPORT

Western Refining Company, L.P.
(Company)

PO Box 1345 Jal, New Mexico 88252
(Address)

NAME OF STORAGE PROJECT Jal Terminal COUNTY Lea Month/Year 05-08

WELL NAME AND NUMBER	LOCATION UNIT SEC. TWP. RANGE	MAXIMUM INJECTION PRESSURE	INJECTION (MCF)	WITHDRAWAL (MCF)
31055 State LPG Storage Well No. 1 30-025-35954	**M32-23S-37E**	**720**	**89,739**	**0**

TOTALS

TOTAL CAPACITY (MMCF) 201,013 Barrels

BEGINNING STORAGE (MMCF) 21,818 Barrels

NET CHANGE (MMCF) 89,739 Barrels

ENDING STORAGE (MMCF) 111,557 Barrels

CALCULATED RESERVOIR PRESSURE @ END OF MONTH 935

I hereby certify that this report is true and complete to the best of my knowledge and belief.

Signature _____

Printed Name & Title Ken Parker, Manager

E-mail Address ken.parker@wnr.com

Date 07-21-08 Telephone No. 505-395-2632

District I
1625 N. French Dr., Hobbs, NM 88240
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(Company)

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NAME OF STORAGE PROJECT Jal Terminal COUNTY Lea Month/Year 05-08

WELL NAME AND NUMBER	LOCATION UNIT SEC. TWP. RANGE	MAXIMUM INJECTION PRESSURE	INJECTION (MCF)	WITHDRAWAL (MCF)
31055 State LPG Storage Well No. 2 30-025-35955	**M32-23S-37E**	**680**	**6,460**	**44,657**

TOTALS

TOTAL CAPACITY (MMCF) 144,443 Barrels

BEGINNING STORAGE (MMCF) 44,657 Barrels

NET CHANGE (MMCF) 38,197 Barrels

ENDING STORAGE (MMCF) 6,460 Barrels

CALCULATED RESERVOIR PRESSURE @ END OF MONTH 968

I hereby certify that this report is true and complete to the best of my knowledge and belief.

Signature _____

Printed Name & Title Ken Parker, Manager

E-mail Address ken.parker@wnr.com

Date 07-21-08 Telephone No. 505-395-2632

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MONTHLY GAS STORAGE REPORT

Western Refining Company, L.P.
(Company)

PO Box 1345 Jal, New Mexico 88252
(Address)

NAME OF STORAGE PROJECT Jal Terminal COUNTY Lea Month/Year 05-08

WELL NAME AND NUMBER	LOCATION UNIT SEC. TWP. RANGE	MAXIMUM INJECTION PRESSURE	INJECTION (MCF)	WITHDRAWAL (MCF)
31055 State LPG Storage Well No. 3 30-025-35956	**M32-23S-37E**	680	**4,578**	**26,410**

TOTALS

TOTAL CAPACITY (MMCF) 79,692 Barrels

BEGINNING STORAGE (MMCF) 63,825 Barrels

NET CHANGE (MMCF) 21,832 Barrels

ENDING STORAGE (MMCF) 41,993 Barrels

CALCULATED RESERVOIR PRESSURE @ END OF MONTH 967

I hereby certify that this report is true and complete to the best of my knowledge and belief.

Signature _____

Printed Name & Title Ken Parker, Manager

E-mail Address ken.parker@wnr.com

Date 07-21-08 Telephone No. 505-395-2632

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MONTHLY GAS STORAGE REPORT

Western Refining Company, L.P.
(Company)

PO Box 1345 Jal, New Mexico 88252
(Address)

NAME OF STORAGE PROJECT Jal Terminal COUNTY Lea Month/Year 05-08

WELL NAME AND NUMBER	LOCATION UNIT SEC. TWP. RANGE	MAXIMUM INJECTION PRESSURE	INJECTION (MCF)	WITHDRAWAL (MCF)
31055 State LPG Storage Well No. 4 30-025-35957	**M32-23S-37E**	**720**	**20,966**	**18,512**

TOTALS

TOTAL CAPACITY (MMCF) 136,626 Barrels

BEGINNING STORAGE (MMCF) 34,103 Barrels

NET CHANGE (MMCF) 2,454 Barrels

ENDING STORAGE (MMCF) 36,557 Barrels

CALCULATED RESERVOIR PRESSURE @ END OF MONTH 1,047

I hereby certify that this report is true and complete to the best of my knowledge and belief.

Signature _____

Printed Name & Title Ken Parker, Manager

E-mail Address ken.parker@wnr.com

Date 07-21-08 Telephone No. 505-395-2632

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MONTHLY GAS STORAGE REPORT

Western Refining Company, L.P.
(Company)

PO Box 1345 Jal, New Mexico 88252
(Address)

NAME OF STORAGE PROJECT Jal Terminal COUNTY Lea Month/Year 06-08

WELL NAME AND NUMBER	LOCATION UNIT SEC. TWP. RANGE	MAXIMUM INJECTION PRESSURE	INJECTION (MCF)	WITHDRAWAL (MCF)
31055 State LPG Storage Well No. 1 30-025-35954	**M32-23S-37E**	**780**	**45,793**	**0**

TOTALS

TOTAL CAPACITY (MMCF) 201,013 Barrels

BEGINNING STORAGE (MMCF) 111,557 Barrels

NET CHANGE (MMCF) 45,793 Barrels

ENDING STORAGE (MMCF) 157,350Barrels

CALCULATED RESERVOIR PRESSURE @ END OF MONTH 1,035

I hereby certify that this report is true and complete to the best of my knowledge and belief.

Signature _____

Printed Name & Title Ken Parker, Manager

E-mail Address ken.parker@wnr.com

Date 07-22-08 Telephone No. 505-395-2632

District I
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MONTHLY GAS STORAGE REPORT

Western Refining Company, L.P.
(Company)

PO Box 1345 Jal, New Mexico 88252
(Address)

NAME OF STORAGE PROJECT Jal Terminal COUNTY Lea Month/Year 06-08

WELL NAME AND NUMBER	LOCATION UNIT SEC. TWP. RANGE	MAXIMUM INJECTION PRESSURE	INJECTION (MCF)	WITHDRAWAL (MCF)
31055 State LPG Storage Well No. 2 30-025-35955	**M32-23S-37E**	**600**	**16,898**	**0**

TOTALS

TOTAL CAPACITY (MMCF) 144,443 Barrels

BEGINNING STORAGE (MMCF) 6,460 Barrels

NET CHANGE (MMCF) 16,898 Barrels

ENDING STORAGE (MMCF) 23,358 Barrels

CALCULATED RESERVOIR PRESSURE @ END OF MONTH 928

I hereby certify that this report is true and complete to the best of my knowledge and belief.

Signature _____

Printed Name & Title Ken Parker, Manager

E-mail Address ken.parker@wnr.com

Date 07-22-08 Telephone No. 505-395-2632

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MONTHLY GAS STORAGE REPORT

Western Refining Company, L.P.
(Company)

PO Box 1345 Jal, New Mexico 88252
(Address)

NAME OF STORAGE PROJECT Jal Terminal COUNTY Lea Month/Year 06-08

WELL NAME AND NUMBER	LOCATION UNIT SEC. TWP. RANGE	MAXIMUM INJECTION PRESSURE	INJECTION (MCF)	WITHDRAWAL (MCF)
31055 State LPG Storage Well No. 3 30-025-35956	**M32-23S-37E**	0	**0**	**10,315**

TOTALS

TOTAL CAPACITY (MMCF) 79,692 Barrels

BEGINNING STORAGE (MMCF) 41,993 Barrels

NET CHANGE (MMCF) 10,315 Barrels

ENDING STORAGE (MMCF) 31,678 Barrels

CALCULATED RESERVOIR PRESSURE @ END OF MONTH 1,007

I hereby certify that this report is true and complete to the best of my knowledge and belief.

Signature _____

Printed Name & Title Ken Parker, Manager

E-mail Address ken.parker@wnr.com

Date 07-22-08 Telephone No. 505-395-2632

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NAME OF STORAGE PROJECT Jal Terminal COUNTY Lea Month/Year 06-08

WELL NAME AND NUMBER	LOCATION UNIT SEC. TWP. RANGE	MAXIMUM INJECTION PRESSURE	INJECTION (MCF)	WITHDRAWAL (MCF)
31055 State LPG Storage Well No. 4 30-025-35957	**M32-23S-37E**	**660**	**7,944**	**39,943**

TOTALS

TOTAL CAPACITY (MMCF) 136,626 Barrels

BEGINNING STORAGE (MMCF) 36,557 Barrels

NET CHANGE (MMCF) 31,999 Barrels

ENDING STORAGE (MMCF) 4,558 Barrels

CALCULATED RESERVOIR PRESSURE @ END OF MONTH 967

I hereby certify that this report is true and complete to the best of my knowledge and belief.

Signature _____

Printed Name & Title Ken Parker, Manager

E-mail Address ken.parker@wnr.com

Date 07-22-08 Telephone No. 505-395-2632

BENHAM
an SAIC company

The Benham Companies, LLC

One West 3rd Street, Suite 100
Tulsa, OK 74103

Telephone 918.492.1600
Fax 918.492.1031

info@benham.com
www.benham.com
www.saic.com

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Via Federal Express

March 11, 22208

Mr. Edwin E. Martin
New Mexico Oil Conservation Division
1220 St. Francis Dr.
Santa Fe, New Mexico 87504

RE: 2007 Annual Groundwater Remediation Report
Jal No. 4 Plant
Lea County, New Mexico

Dear Mr. Martin:

The Benham Companies, LLC, on behalf of our client El Paso Natural Gas Company (EPNG), is pleased to submit to the New Mexico Oil Conservation Division the ***2007 Annual Groundwater Remediation Report*** (Report) for the EPNG Jal No. 4 Plant located in Lea County, New Mexico.

If you have any questions regarding this Report please do not hesitate to contact Ms. Nancy Prince at (719) 520-4690, or myself at (918) 599-4382.

Sincerely,
The Benham Companies, LLC

George H. Richardson, P.G.
Senior Project Manager

Enclosure: 2007 Annual Groundwater remediation Report (1 copy)

xc: Mr. Chris Williams, NMOCD, Hobbs – w/enclosure; **via Federal Express**
Ms. Nancy Prince, EPNG – w/enclosure
Mr. Darrell Campbell, EPNG – w/enclosure
Mr. Jimmy Doom, Doom Ranch – w/enclosure
Mr. Buddy Richardson, Benham – w/enclosure
Mr. Ed Nichols, EPNG – w/o enclosure
Jal 4 file – w/enclosure

2007 ANNUAL GROUNDWATER REMEDIATION REPORT JAL NO. 4 PLANT LEA COUNTY, NEW MEXICO

Prepared for:
El Paso Natural Gas Company
2 North Nevada Street
Colorado Springs, Colorado 80903
(719) 520-4433
(719) 667-7893

Prepared by:
The Benham Companies, LLC
Infrastructure and Environment
One West Third Street, Suite 100
Tulsa, Oklahoma 74103
(918) 492-1600
918/496-0132 (fax)

March 11, 2008

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ACRONYMS AND ABBREVIATIONS

Benham	The Benham Companies, LLC
BGL	Below Ground Level
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
Christie	Christie Gas Corporation
EPA	Environmental Protection Agency
EPNG	El Paso Natural Gas Company
µg/L	Micrograms per liter
mg/L	Milligrams per liter
NMAC	New Mexico Administrative Code
NMOCD	New Mexico Oil Conservation Division
NMWQCC	New Mexico Water Quality Control Commission
NW/4	Northwest quarter
Plan	EPNG's Project Work Plan
Plant	Jan No. 4 Plant
Q1	First Quarter
Q2	Second Quarter
Q3	Third Quarter
Q4	Fourth Quarter
Report	2007 Annual Groundwater Remediation Report
SW/4	Southwest quarter
TDS	Total dissolved solids
Texas LPG	Texas LPG Storage Company
TOC	Top of casing
WFI	Western Refining, Inc.

EL PASO NATURAL GAS COMPANY
JAL NO. 4 PLANT, LEA COUNTY, NEW MEXICO
2007 ANNUAL GROUNDWATER REMEDIATION REPORT
March 11, 2008

1.0 INTRODUCTION

The Benham Companies, LLC (Benham), has been retained by El Paso Natural Gas Company (EPNG) to compile the 2007 Annual Groundwater Remediation Report (Report) for the Jal No. 4 Plant (Plant) located in Lea County, New Mexico. The remedial activities conducted at the Plant have been performed under EPNG's Project Work Plan (Plan), dated February 1995. This Plan was approved by the New Mexico Oil Conservation Division (NMOCD) on April 27, 1995, with subsequent revisions approved on August 10, 1995, July 8, 1997 and July 30, 2002.

The Plant property is comprised of approximately 181 acres of land located west of State Highway 18, approximately 9 miles north of the town of Jal, New Mexico. The Plant property location and topographic features are shown on **Figure 1**. The Plant property occupies portions of Sections 31 and 32 of Township 23 South, Range 37 East, and Sections 5 and 6 of Township 24 South, Range 37 East, all in Lea County, New Mexico.

The Plant was constructed by EPNG in 1952 to treat, compress, and transport natural gas to EPNG's main transmission lines. EPNG discontinued their use of the Plant in 1987, leasing portions of the property to Christie Gas Corporation (Christie) that same year. EPNG eventually sold the Plant to Christie in 1991. In December 2002, Christie sold the Plant to Texas LPG Storage Company (Texas LPG). In March 2007, Texas LPG sold the plant to Western Refining, Inc. (WFI). WFI is the current owner of the Jal No. 4 Plant property.

1.1 PROGRAM WELLS AND SAMPLING SCHEDULE

To assess brine and hydrocarbon impacts to the shallow groundwater system in the Plant area EPNG has installed eighteen monitoring wells, one piezometer, and two recovery wells on Plant property and adjoining properties to the east (located hydraulically downgradient). EPNG has designated fifteen monitoring wells as *"program monitoring wells"* from which groundwater samples are frequently collected and submitted to an analytical laboratory for analysis. The locations of these wells are shown on **Figures 2** through **8**.

On April 14, 2003 the NMOCD approved a modification to the groundwater sampling program for the Plant. These modifications established the following sampling program:

- 1st Quarter - sample monitoring wells ACW-13, ACW-14 and ACW-15 and analyze for: benzene, toluene, ethylbenzene, and total xylenes (collectively referred to as BTEX), total dissolved solids (TDS), specific conductance, chloride and sodium.

- 2nd Quarter - sample monitoring wells ACW-13, ACW-14 and ACW-15 and analyze for: BTEX, TDS, specific conductance, chloride and sodium.

- 3rd Quarter - sample monitoring wells ACW-13, ACW-14 and ACW-15 and analyze for: BTEX, TDS, specific conductance, chloride and sodium.

- 4th Quarter - sample all program and non-program monitoring wells and analyze for: BTEX, TDS, specific conductance, chloride and sodium.

A list of EPNG's program monitoring wells and the calendar year 2007 sample collection schedule for each well is as follows:

Monitoring Well	Sampled Q1, Q2, Q3, and Q4	Sampled Q4 Only
ACW-1		X
ACW-2A		X
ACW-3		X
ACW-4		X
ACW-5		X
ACW-6		X
ACW-7		X
ACW-8		X
ACW-9		X
ACW-10		X
ACW-11		X
ACW-12		X
ACW-13	X	
ACW-14	X	
ACW-15	X	

Note: Due to substantive data quality issues identified within the laboratory analytical data for the Q4/2006 sampling event, EPNG resampled the Q4 wells in March 2007. Data from this resample event have been utilized as the Q1/2007 data. Therefore in 2007, monitoring wells ACW-1 through ACW-12 were sampled during the Q1 and Q4 sampling events.

Program monitoring wells ACW-8 and ACW-3 were pilot tested as groundwater recovery wells in April and June 2005, respectively. These wells were converted to permanent and permitted groundwater recovery wells in October 2005. Sampling of these wells continued following their conversion to recovery wells.

1.2 NON-PROGRAM WELLS AND SAMPLING SCHEDULE

In addition to the program monitoring wells, EPNG also collects groundwater samples from two non-program monitoring wells (ENSR-1 and ENSR-3), one piezometer (PTP-1), one upgradient water supply well (EPNG-1), and two downgradient active water supply wells (Oxy Production Well and Doom Production Well). Monitoring well ENSR-2 was converted into a groundwater recovery well and connected to the remediation system active at the Plant in 2002. The ENSR wells are located within the Plant process areas as shown on **Figures 2** through **7**. Water supply well EPNG-1 is located at the northwest corner of the Plant property. The Oxy Production Well is located in the approximate center of Section 5 of Township 24 South, Range 37 East and provides potable water to Oxy's Myers Langlie Mattix Unit Water Injection Station. The locations of the Oxy injection station and supply well are shown on **Figures 2** through **7**. The Doom Production Well is a private water supply well that provides water to the residence of Jimmie J. and Rebecca J. Doom and is located in the approximate center of the northwest quarter of Section 8 of Township 24 South, Range 37 East. The location of the Doom Production Well is not shown on the figures provided; as this well is located approximately 5,800 feet south of the Oxy water injection station.

A list of the non-program wells and their calendar year 2007 sample collection schedule is as follows:

Well	Sampled Q1, Q2, Q3, and Q4	Sampled Q4 Only
ENSR-1		X
ENSR-2		X
ENSR-3		X
EPNG-1		X
PTP-1		X
Oxy Production Well	X	
Doom Production Well	X	

Note: Due to substantive data quality issues identified within the laboratory analytical data for the Q4/2006 sampling event, EPNG resampled the Q4 wells in March 2007. Data from this resample event have been utilized as the Q1/2007 data. Therefore in 2007, ENSR-1, ENSR-3, EPNG-1 and PTP-1 were sampled during the Q1 and Q4 sampling events. ENSR-2 was only sampled during the Q1 sampling event.

1.3 DEPTH TO GROUNDWATER MEASUREMENTS

During each quarterly sampling event and prior to disturbing the water columns within each well, EPNG personnel measured the static depths to groundwater within the well casings using an electronic water level indicator. All depths to groundwater were measured relative to the surveyed top of casing (TOC) datum so that groundwater elevations could be determined. **Table 1** provides a summary of the depths to groundwater, TOC elevations, and groundwater elevations that have been compiled throughout EPNG's monitoring program.

1.4 SAMPLING PROCEDURES

The groundwater samples were collected by EPNG personnel in accordance with EPA methods and quality assurance/quality control guidance. All groundwater monitoring wells and production well EPNG-1 were purged thoroughly prior to sample collection using temporary electric submersible pumps. Upon completion of well purging operations the pumps were removed and dedicated bailers used to collect a groundwater sample from the top of the water column. Groundwater produced during purging/sampling operations was contained and disposed of within the Plant's lined Surface Impoundment #9.

The groundwater samples taken from recovery wells ACW-3, ACW-8, ENSR-2, RW-1, and RW-2, and from the OXY and Doom water supply wells are collected from the discharge piping (spigot samples).

Upon collection, the groundwater samples were placed directly into laboratory-prepared containers, labeled as to source, packed on ice, and placed under chain-of-custody control for transfer to the analytical laboratory. The results of the 2007 groundwater analyses and all previous analyses are summarized in **Table 2**. Copies of complete 2007 laboratory analytical reports and chain-of-custody documents are provided on the CD-ROM in **Appendix A**.

2.0 RESULTS OF MONITORING ACTIVITIES

The following Sections summarize the field measurements and laboratory analytical results obtained throughout the 2007 sampling program. These data have been compared with historic data to assess any trends that may be apparent. To facilitate these comparisons, 45 trend graphs have been prepared that show the TDS, chloride, sodium and benzene concentrations that have been detected in the groundwater samples taken from the fifteen program monitoring wells. These graphs are presented in the section of this report tabbed "**Graphs**".

2.1 FIELD MEASUREMENTS

The depth to groundwater measurements taken during each of the sampling events are summarized on **Table 1**. These data indicate that the depths to groundwater across the Plant are approximately 100 feet below ground surface and that the static groundwater elevations exhibit little seasonal variability. In 2007, the depth to groundwater elevations observed in monitoring well ACW-4 appear to be influenced by groundwater withdrawals from recovery wells ENSR–2 and RW-1.

Groundwater potentiometric surface maps have been prepared for each of the 2007 sampling events. These maps are presented on **Figures 2** through **5**. As is shown on these figures, the groundwater flow direction across the Plant is, in general, from the northwest to the southeast (S46°E). The hydraulic gradient across the Plant is approximately 0.002 feet per foot. Generally, the groundwater flow direction and hydraulic gradient at the Site appear to have changed little since 1997. Notable exceptions are those localized areas near the active recovery wells where the groundwater flow direction and hydraulic gradient have been altered by the extraction of groundwater from these wells.

2.2 INORGANIC CONSTITUENTS

The primary inorganic parameters being utilized to assess plume migration at the Plant include: TDS, chloride and sodium. Benham has reviewed the concentration trend graphs for these parameters in each of the program monitor wells. Based upon this review, it is Benham's opinion that certain trends are apparent in the levels of these parameters. The following table summarizes Benham's opinions of the trends that are observable in 2007 from the inorganic database provided herein. The trends observed in calendar year 2006 are shown in parentheses.

Monitoring Well	Concentration Trends		
	TDS	Chloride	Sodium
ACW-1	↓ (↓)	↓ (↓)	↓ (↓)
ACW-2A	↓ (↓)	↓ (↓)	↓ (↓)

Monitoring Well	Concentration Trends		
	TDS	Chloride	Sodium
ACW-3	↔ (↔)	↓ (↓)	↔ (↔)
ACW-4	↓ (↔)	↓ (↓)	↓ (↓)
ACW-5	↔ (↔)	↑ (↔)	↓ (↔)
ACW-6	↓ (↓)	↓ (↓)	↓ (↓)
ACW-7	↑ (↔)	↑ (↑)	↔ (↑)
ACW-8	↓ (↓)	↓ (↓)	↔ (↓)
ACW-9	↔ (↔)	↔ (↔)	↔ (↔)
ACW-10	↑ (↑)	↔ (↔)	↔ (↔)
ACW-11	↔ (↔)	↔ (↔)	↔ (↑)
ACW-12	↑ (↔)	↔ (↔)	↔ (↔)
ACW-13	↑ (↑)	↑ (↔)	↔ (↔)
ACW-14	↔ (↔)	↔ (↔)	↔ (↔)
ACW-15	↔ (↔)	↔ (↔)	↔ (↔)

Key: ND denotes constituent not detected during the GMP, ↔ denotes no observable trend, ↓ denotes a decreasing trend, ↑ denotes an increasing trend

In general, these trends indicate that the overall levels of inorganic constituents are decreasing in five wells, increasing in two wells, and have no observable trends in eight wells. The wells and their overall trends for inorganic constituents can be grouped as follows:

Monitoring Wells with Decreasing Overall Inorganic Levels

ACW-1 ACW-2A ACW-4 ACW-6 ACW-8

Monitoring Well with Increasing Overall Inorganic Levels

ACW-7 ACW-13

Monitoring Wells with No Observable Trend in Overall Inorganic Levels

ACW-3 ACW-5 ACW-9 ACW-10 ACW-11
ACW-12 ACW-14 ACW-15

Figure 6 presents an isopleth of the chloride concentrations detected in groundwater during the 2007 sampling program. Within the New Mexico Administrative Code (NMAC) 20.6.2.3103 (B) the State has established Other Standards for Domestic Water Supply that includes a standard of 250 milligrams per liter (mg/L) for chloride in groundwater that contains TDS levels of 10,000

mg/L or less. On this isopleth, the value posted at each well location represents the highest chloride concentration detected in the groundwater sample(s) taken from that well during the 2007 monitoring program.

Decreasing or stable chloride trends are evident in the monitoring wells immediately adjacent to recovery wells RW-1, ENSR-2, and RW-2 (i.e., monitoring wells ACW-2A, ACW-4, and ACW-9, respectively). These trends indicate the remediation system is effective in removing the highest levels of brine impact and that fresher groundwater is converging upon these wells.

2.3 ORGANIC CONSTITUENTS

The primary organic constituent being utilized to assess plume migration at the Plant is benzene. The NMAC regulation 20.6.2.3103 (A) has established a Human Health Standard of 0.01 mg/L (10 micrograms per liter [µg/L]) for benzene in groundwater containing TDS levels of 10,000 mg/L or less. Benham has reviewed the concentration trend graphs for benzene in each of the program monitor wells. Based upon this review, it is Benham's opinion that certain trends are apparent in the levels of this compound. The table on the following page summarizes Benham's opinions of the trends that are observable in 2007 from the benzene database provided herein. The trends observed in calendar year 2006 are shown in parentheses.

Monitor Well	Benzene Concentration Trend
ACW-1	↔ (↔)
ACW-2A	↔ (↓)
ACW-3	↓ (↓)
ACW-4	↔ (↔)
ACW-5	↔ (↔)
ACW-6	↔ (↔)
ACW-7	↑ (↑)
ACW-8	↔ (↔)
ACW-9	↔ (↔)
ACW-10	↔ (↔)
ACW-11	↔ (↔)
ACW-12	↓ (↓)
ACW-13	↔ (↔)
ACW-14	↔ (↔)
ACW-15	↔ (↔)

Key: ND denotes constituent not detected during the GMP, ↔ denotes no observable trend, ↓ denotes a decreasing trend, ↑ denotes an increasing trend

In general, these trends indicate that benzene levels are stable or decreasing across the Plant property (1 decreasing and 5 stable trends), and are predominantly stable off-site (7 stable, 1 decreasing, and 1 increasing). The only increasing benzene trend was observed in off-site well ACW-7.

Monitoring Wells with Decreasing Overall Organic Levels

ACW-3 ACW-12

Monitoring Well with Increasing Overall Organic Levels

ACW-7

Monitoring Wells with No Observable Trend in Overall Organic Levels

ACW-1	ACW-2A	ACW-4	ACW-5	ACW-6	ACW-8
ACW-9	ACW-10	ACW-11	ACW-13	ACW-14	ACW-15

Figure 7 presents an isopleth of the benzene concentrations detected in groundwater during the 2007 sampling program. On this isopleth, the value posted at each well location represents the highest benzene concentration detected in the groundwater sample(s) taken from that well during the 2007 monitoring program. As can be seen on **Figure 7**, benzene was detected in 11 on-site and 3 off-site monitoring/recovery wells. The highest benzene concentration observed in 2007 was detected in the groundwater sample taken from on-site monitoring well ACW-2A (120 µg/L).

During 2007, the benzene levels detected in on-site wells ENSR-1 (11 µg/L), ENSR-2 (10 µg/L), ACW-2A (120 µg/L), ACW-3 (61 µg/L), ACW-4 (110 µg/L), ACW-8 (100 µg/L), ACW-11 (11 µg/L), PTP-1 (19 µg/L), RW-1 (110 µg/L), and off-site well ACW-7 (21 µg/L) exceeded the New Mexico Water Quality Control Commission (NMWQCC) groundwater standard of benzene of 10 µg/L. These benzene levels appear to be stable or decreasing except for monitoring well ACW-7. The benzene concentration found in ACW-7 is the only off-site groundwater sample that exceeds the State's regulatory standard. In October 2005, EPNG converted monitoring wells ACW-3 and ACW-8 to groundwater recovery wells. These recovery wells are located hydraulically upgradient of ACW-7 and their operation should result in a reduction in the benzene concentrations in this area.

3.0 GROUNDWATER REMEDIATION SYSTEM

To date, EPNG has installed two groundwater recovery wells to mitigate impacts to the shallow groundwater system. These wells are identified as RW-1 and RW-2, and the locations of these wells are shown on **Figures 2** through **7**. Due to chronic scaling problems that have occurred within the electrical submersible pump with in RW-1, monitoring well ENSR-2 was tested as a recovery well in 2000 and operated intermittently as a replacement well for RW-1 in 2001 and 2002. ENSR-2 was permitted as a stand-alone recovery well on January 27, 2003. As shown on **Figures 2** through **7**, ENSR-2 is located on Plant property in very close proximity to RW-1 and to areas that have likely been sources for brine and hydrocarbon impacts to groundwater. Whenever possible, groundwater is pumped from both on-site recovery wells RW-1 and ENSR-2 and from off-site recovery well RW-2. RW-2 is located hydraulically downgradient relative to recovery wells RW-1 and ENSR-2 and is approximately 780 feet east of the Plant property boundary. Program monitoring wells ACW-8 and ACW-3 were pilot tested as groundwater recovery wells in April and June 2005, respectively. These two wells were permitted in October 2005 and were configured as permanent recovery wells and made operational this same month.

EPNG has installed below-grade pipelines that connect all of the groundwater recovery wells to a Class II water disposal well located immediately north of the Plant in the northwest quarter (NW/4), of the southwest quarter (SW/4), of Section 32,Township 23 South, Range 37 East. This well, identified as the Shell State #13 SWD, was approved for disposal by NMOCD on October 23, 1979 and has a perforated injection interval of 3,866 to 3,982 feet below ground level. This injection well is currently owned and operated by WFI.

Continuous groundwater recovery began from recovery well RW-1 in October 1999, RW-2 in January 2000, ENSR-2 in August 2000, and ACW-3 and ACW-8 in October 2005. **Table 3** provides a summary of the volumes of groundwater pumped from each of these wells in 2007.

Groundwater recoveries from recovery wells RW-1, RW-2, ENSR-2, ACW-3, and ACW-8 in calendar year 2007 totaled 2,629,732 gallons, 2,178,570 gallons, 1,523,379 gallons, 1,022,737 gallons and 2,151,891 gallons respectively, and had an annual combined total of 9,506,309 gallons. This is the second largest volume of groundwater removed by the remediation system in a given year since startup. This total volume is equivalent to 29.17 acre-feet of water. EPNG has obtained permission from the New Mexico State Engineers Office to withdraw a total of 125 acre feet per year from the following sources:

- 35 acre feet per year from RW-1 (modified to include ENSR-2) effective June 1997
- 35 acre feet per year from RW-2 effective June 1997
- 20 acre feet per year from ACW-3 effective October 2005
- 35 acre feet per year from ACW-8 effective October 2005

A summary of the amount of groundwater recovered from each of the recovery wells is presented on the following table. This table presents the total number of gallons recovered per well per year. In addition, the total amount of water recovered per year is presented in gallons and in acre-feet.

Groundwater Recovery Volumes							
Year	**RW-1 (gallons)**	**RW-2 (gallons)**	**ENSR-2 (gallons)**	**ACW-3 (gallons)**	**ACW-8 (gallons)**	**Total (gallons)**	**Total (acre-feet)**
1999	319,280	0	0	0	0	319,280	1.0
2000	1,575,510	3,967385	780,240	0	0	6,323,135	19.4
2001	0	1,672,990	566,126	0	0	2,239,116	6.9
2002	267,869	2,919,520	1,675,670	0	0	4,863,059	14.92
2003	501,640	1,598,630	1,629,400	0	0	3,729,670	11.45
2004	1,241,510	2,029,620	1,130,850	0	0	4,401,980	13.51
2005	2,333,140	3,493,310	2,241,812	704,320	1,141,993	9,914,575	30.43
2006	2,367,970	1,205,100	2,151,020	1,725,100	2,293,637	9,742,827	29.90
2007	2,629,732	2,178,570	1,523,379	1,022,737	2,151,891	9,506,309	29.17
Cumulative Total	**11,236,651**	**19,065,125**	**11,698,497**	**3,452,157**	**5,587,521**	**51,039,951**	**156.68**

4.0 CONCLUSIONS

Based upon review of the data presented herein, Benham has developed the following conclusions:

- The uppermost occurrence of groundwater in the Plant area occurs within a shallow groundwater system with saturation occurring at approximately 100 feet BGL. The base of the groundwater system occurs at approximately 170 feet BGL.

- The groundwater elevations within this shallow groundwater system have shown little fluctuation since EPNG's investigation began in 1989.

- Groundwater flow directions at the Plant within the shallow groundwater system appear quite stable, with groundwater flowing from the northwest to the southeast (S46°E). The hydraulic gradient is approximately 0.002 feet per foot. The potentiometric surface, groundwater flow direction, and hydraulic gradient can become substantially altered around EPNG's recovery wells when they are actively pumped.

- The shallow groundwater system beneath a portion of the Plant property has been impacted by oilfield brines. The groundwater analytical data indicate that a chloride plume has migrated hydraulically downgradient from the Plant property. During 2007, the groundwater samples taken from 11 on-site and 7 off-site monitoring/recovery wells contained levels of chloride that exceed the EPA's Secondary Drinking Water Standard and New Mexico's Domestic Water Supply Standard of 250 mg/L.

- In general, the chloride concentrations found in groundwater appear to be decreasing along the eastern property boundary of the Plant in the former source areas. Chloride concentrations downgradient of the Plant property appear to be stable or decreasing, except along a west-to-east flow path that passes through monitoring wells ACW-7, ACW-5 and ACW-13. Along this flow path, chloride concentrations appear to be increasing. The levels in downgradient monitoring well ACW-13 (130 mg/L) remain well below the EPA's Secondary Drinking Water Standard and New Mexico's Domestic Water Supply Standard of 250 mg/L.

- The shallow groundwater system beneath a portion of the Plant property has also been impacted by benzene. The groundwater analytical data indicate that these benzene impacts have migrated hydraulically downgradient of the Plant and extend onto adjacent properties. The levels of benzene detected in the groundwater taken from 10 on-site wells exceed the NMWQCC standard of 10 µg/L. The groundwater sample taken from monitoring well ACW-7 is the only off-site sample that contained benzene at a level greater than this standard.

- In general, benzene concentrations in groundwater appear to be decreasing along the eastern property boundary of the Plant. Of all the on-site and off-site monitoring wells, only the benzene levels detected in monitoring well ACW-7 appear to have an increasing trend.

- Based upon the groundwater analytical data obtained to date, EPNG's groundwater remediation has been successful at reducing the levels of both organic and inorganic contaminants within the groundwater beneath and hydraulically downgradient of the Plant property.

5.0 RECOMMENDATIONS

Based upon a thorough review of the data contained within this report, Benham has formulated the following recommendations:

- Continue operation of the current groundwater remediation system at maximum design capacity. Each recovery well should be routinely monitored to identify groundwater recovery volumes, pumping rates, pumping times, and the quality of groundwater being discharged (via field measurements of specific conductance and chloride concentration).

- EPNG should continue to pursue ways to minimize the operational downtimes of the groundwater remediation system. Changes to the disposal system made in 2004 (i.e., work over of the Shell State #13 disposal well and the installation of a valve and piping that allows recovered groundwater to be diverted to the Plant's surface impoundments during the peak disposal periods) have greatly reduced system downtime.

- Remediation efforts should focus on capturing the most highly impacted groundwater. Particular emphasis should be placed upon evaluating vertical variations in brine concentrations that may be present within the groundwater system. Groundwater computer models indicate that most of the organic and inorganic contaminant plumes fall within the hydraulic capture zones of the current recovery wells. If future groundwater analytical data show that the contaminants are not continuing to be adequately reduced, EPNG should evaluate the need for the installation of additional groundwater recovery wells or for the conversion of existing monitoring wells into recovery wells.

Table 1 : Summary of Depth to Groundwater Measurements, Jal No. 4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Monitor Well	Screened Interval (Feet-BGL)	Top of Casing Elevation (Feet-AMSL)	Depth to Groundwater Measurement Date	Depth to Groundwater (Feet-TOC)	Groundwater Elevation (Feet-AMSL)
ACW-01	110 to 130	3300.87	02/19/97	106.65	3194.22
			05/07/97	105.59	3195.28
			08/19/97	105.61	3195.26
			10/21/97	105.71	3195.16
			02/24/98	105.62	3195.25
			05/12/98	105.59	3195.28
			08/11/98	105.61	3195.26
			10/20/98	105.67	3195.20
			02/23/99	105.72	3195.15
			05/11/99	105.66	3195.21
			08/11/99	105.68	3195.19
			10/18/99	105.73	3195.14
			02/22/00	105.81	3195.06
			05/09/00	105.90	3194.97
			08/07/00	105.99	3194.88
			10/26/00	106.10	3194.77
			02/20/01	106.19	3194.68
			05/01/01	105.90	3194.97
			08/01/01	105.89	3194.98
			10/22/01	106.05	3194.82
			02/20/02	106.30	3194.57
			04/29/02	106.30	3194.57
			09/24/02	106.04	3194.83
			11/03/02	106.30	3194.57
			03/31/03	106.22	3194.65
			05/20/03	106.41	3194.46
			08/18/03	106.39	3194.48
			11/04/03	106.19	3194.68
			02/25/04	106.19	3194.68
			05/13/04	106.15	3194.72
			08/25/04	106.46	3194.41
			11/09/04	106.57	3194.30
			05/25/05	106.38	3194.49
			08/23/05	106.52	3194.35
			12/12/05	106.56	3194.31
			02/14/06	106.72	3194.15
			05/09/06	106.87	3194.00
			08/23/06	106.89	3193.98
			12/14/06	106.45	3194.42
			03/05/07	106.61	3194.26
			05/16/07	106.58	3194.29
			08/23/07	106.50	3194.37
			11/12/07	106.77	3194.10
ACW-2A	98 to 118	3300.88	05/12/99	106.00	3194.88
			10/18/99	106.09	3194.79
			05/08/00	107.27	3193.61
			10/26/00	107.51	3193.37
			05/02/01	106.31	3194.57
			10/22/01	106.85	3194.03
			04/30/02	106.82	3194.06
			09/24/02	106.55	3194.33
			11/03/02	107.00	3193.88
			03/31/03	107.04	3193.84
			05/20/03	106.87	3194.01
			08/18/03	107.74	3193.14
			11/04/03	106.57	3194.31
			02/25/04	106.53	3194.35
			05/13/04	106.46	3194.42
			08/25/04	107.67	3193.21
			11/09/04	107.77	3193.11
			02/15/05	107.50	3193.38
			05/25/05	107.47	3193.41
			08/23/05	108.25	3192.63
			12/12/05	107.54	3193.34
			02/14/06	108.75	3192.13
			05/09/06	108.63	3192.25
			08/23/06	107.91	3192.97
			12/14/06	107.18	3193.70
			03/05/07	108.06	3192.82

Table 1 : Summary of Depth to Groundwater Measurements, Jal No. 4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Monitor Well	Screened Interval (Feet-BGL)	Top of Casing Elevation (Feet-AMSL)	Depth to Groundwater Measurement Date	Depth to Groundwater (Feet-TOC)	Groundwater Elevation (Feet-AMSL)
ACW-02A (cont.)			05/16/07	108.03	3192.85
			08/23/07	107.18	3193.70
			11/12/07	108.37	3192.51
ACW-03	112 to 132	3300.34	05/08/00	105.98	3194.36
			10/26/00	106.21	3194.13
			05/01/01	105.94	3194.40
			10/23/01	106.15	3194.19
			04/30/02	106.30	3194.04
			09/24/02	106.13	3194.21
			11/03/02	106.44	3193.90
			03/31/03	106.31	3194.03
			05/20/03	106.42	3193.92
			08/18/03	106.53	3193.81
			11/03/03	106.19	3194.15
			02/25/04	106.18	3194.16
			05/13/04	106.12	3194.22
			08/25/04	106.61	3193.73
			11/09/04	106.69	3193.65
			02/15/05	106.53	3193.81
			05/23/05	106.68	3193.66
			08/23/05	pumping	NM
			12/12/05	pumping	NM
			02/14/06	pumping	NM
			05/09/06	pumping	NM
			08/23/06	pumping	NM
			12/11/06	pumping	NM
			03/05/07	pumping	NM
			05/16/07	pumping	NM
			08/23/07	pumping	NM
			11/12/07	pumping	NM
ACW-04	154 to 169	3299.48	05/08/00	113.57	3185.91
			10/26/00	113.25	3186.23
			05/02/01	106.00	3193.48
			10/22/01	107.99	3191.49
			04/30/02	107.88	3191.60
			09/24/02	107.71	3191.77
			11/02/02	107.90	3191.58
			03/31/03	107.90	3191.58
			05/20/03	107.76	3191.72
			08/18/03	113.13	3186.35
			11/04/03	107.34	3192.14
			02/25/04	107.18	3192.30
			05/13/04	107.07	3192.41
			08/25/04	110.90	3188.58
			11/09/04	110.51	3188.97
			02/15/05	109.64	3189.84
			05/25/05	109.40	3190.08
			08/23/05	112.98	3186.50
			12/12/05	107.43	3192.05
			02/14/06	113.71	3185.77
			05/09/06	112.42	3187.06
			08/23/06	107.80	3191.68
			12/11/06	107.16	3192.32
			03/05/07	113.32	3186.16
			05/16/07	113.30	3186.18
			08/23/07	107.16	3192.32
			11/12/07	113.48	3186.00
ACW-05	105 to 115	3294.75	02/19/97	103.08	3191.67
			05/07/97	103.06	3191.69
			08/19/97	103.07	3191.68
			10/22/97	103.06	3191.69
			02/24/98	103.10	3191.65
			05/13/98	103.10	3191.65
			08/11/98	103.15	3191.60
			10/21/98	103.22	3191.53
			02/23/99	103.26	3191.49
			05/13/99	103.17	3191.58
			08/11/99	103.17	3191.58

Table 1 : Summary of Depth to Groundwater Measurements, Jal No. 4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Monitor Well	Screened Interval (Feet-BGL)	Top of Casing Elevation (Feet-AMSL)	Depth to Groundwater Measurement Date	Depth to Groundwater (Feet-TOC)	Groundwater Elevation (Feet-AMSL)
ACW-05 (cont.)			10/21/99	103.25	3191.50
			02/22/00	103.30	3191.45
			05/10/00	103.32	3191.43
			08/07/00	103.40	3191.35
			10/26/00	103.50	3191.25
			02/20/01	103.62	3191.13
			05/06/01	103.57	3191.18
			08/01/01	103.46	3191.29
			10/24/01	103.70	3191.05
			02/20/02	103.70	3191.05
			04/30/02	103.70	3191.05
			09/24/02	103.57	3191.18
			11/06/02	103.81	3190.94
			03/31/03	103.72	3191.03
			05/20/03	103.85	3190.90
			08/18/03	103.79	3190.96
			11/05/03	103.70	3191.05
			02/25/04	103.77	3190.98
			05/13/04	103.73	3191.02
			08/25/04	103.88	3190.87
			11/12/04	103.97	3190.78
			02/15/05	103.88	3190.87
			05/25/05	103.93	3190.82
			08/23/05	103.92	3190.83
			12/13/05	103.90	3190.85
			02/14/06	103.99	3190.76
			05/09/06	103.98	3190.77
			08/23/06	104.15	3190.60
			12/12/06	104.11	3190.64
			03/07/07	104.11	3190.64
			05/16/07	104.09	3190.66
			08/23/07	104.18	3190.57
			11/14/07	104.11	3190.64
ACW-06	110 to 120	3300.53	02/19/97	107.53	3193.00
			05/08/97	107.50	3193.03
			08/18/97	107.51	3193.02
			10/22/97	107.57	3192.96
			02/24/98	107.54	3192.99
			05/13/98	107.55	3192.98
			08/11/98	107.57	3192.96
			10/21/98	107.70	3192.83
			02/23/99	107.68	3192.85
			05/13/99	107.62	3192.91
			08/11/99	107.60	3192.93
			10/21/99	107.68	3192.85
			02/22/00	107.72	3192.81
			05/10/00	107.75	3192.78
			08/07/00	107.84	3192.69
			10/26/00	107.90	3192.63
			02/20/01	108.00	3192.53
			05/06/01	107.95	3192.58
			08/01/01	107.87	3192.66
			10/24/01	108.09	3192.44
			02/20/02	108.07	3192.46
			04/29/02	108.08	3192.45
			09/24/02	107.94	3192.59
			11/04/02	108.16	3192.37
			03/31/03	108.08	3192.45
			05/20/03	108.20	3192.33
			08/18/03	108.08	3192.45
			11/05/03	108.15	3192.38
			02/25/04	108.12	3192.41
			05/13/04	108.09	3192.44
			08/25/04	108.24	3192.29
			11/12/04	108.28	3192.25
			02/15/05	108.24	3192.29
			05/25/05	108.26	3192.27
			08/23/05	108.27	3192.26

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Jal No. 4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

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ACW-06 (cont.)			12/13/05	108.30	3192.23
			02/14/06	108.41	3192.12
			05/09/06	108.47	3192.06
			08/23/06	108.62	3191.91
			12/12/06	108.43	3192.10
			03/07/07	108.45	3192.08
			05/16/07	108.41	3192.12
			08/23/07	108.45	3192.08
			11/13/07	108.50	3192.03
ACW-07	105 to 115	3295.36	05/12/99	102.62	3192.74
			10/21/99	102.75	3192.61
			05/10/00	102.92	3192.44
			10/26/00	103.20	3192.16
			05/06/01	103.08	3192.28
			10/24/01	103.35	3192.01
			04/30/02	103.35	3192.01
			09/24/02	103.21	3192.15
			11/05/02	103.45	3191.91
			03/31/03	103.36	3192.00
			05/20/03	103.47	3191.89
			08/18/03	103.42	3191.94
			11/05/03	103.25	3192.11
			02/25/04	103.28	3192.08
			05/13/04	103.21	3192.15
			08/25/04	103.57	3191.79
			11/12/04	103.71	3191.65
			02/15/05	103.55	3191.81
			05/24/05	103.65	3191.71
			08/23/05	103.70	3191.66
			12/12/05	103.82	3191.54
			02/14/06	103.92	3191.44
			05/09/06	104.00	3191.36
			08/23/06	104.11	3191.25
			12/12/06	103.91	3191.45
			03/07/07	104.02	3191.34
			05/16/07	104.00	3191.36
			08/23/07	104.00	3191.36
			11/13/07	103.92	3191.44
ACW-08	140 to 173	3297.27	05/11/99	104.17	3193.10
			10/18/99	104.29	3192.98
			05/09/00	104.40	3192.87
			10/26/00	104.64	3192.63
			05/01/01	104.48	3192.79
			10/24/01	104.60	3192.67
			04/29/02	104.81	3192.46
			09/24/02	104.51	3192.76
			11/04/02	104.72	3192.55
			03/31/03	104.71	3192.56
			05/20/03	104.85	3192.42
			08/18/03	104.82	3192.45
			11/03/03	104.62	3192.65
			02/25/04	104.70	3192.57
			05/13/04	104.62	3192.65
			08/25/04	104.92	3192.35
			11/09/04	104.97	3192.30
			02/15/05	104.91	3192.36
			05/24/05	pumping	NM
			08/23/05	pumping	NM
			12/12/05	pumping	NM
			02/14/06	pumping	NM
			05/09/06	pumping	NM
			08/23/06	pumping	NM
			12/11/06	pumping	NM
			03/06/07	pumping	NM
			05/16/07	pumping	NM
			08/23/07	pumping	NM
			11/12/07	pumping	NM

Table 1 : Summary of Depth to Groundwater Measurements,
Jal No. 4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Monitor Well	Screened Interval (Feet-BGL)	Top of Casing Elevation (Feet-AMSL)	Depth to Groundwater Measurement Date	Depth to Groundwater (Feet-TOC)	Groundwater Elevation (Feet-AMSL)
ACW-09	140 to 160	3302.47	02/19/97	110.24	3192.23
			05/08/97	110.25	3192.22
			08/19/97	110.26	3192.21
			10/23/97	110.28	3192.19
			02/24/98	110.29	3192.18
			05/13/98	110.30	3192.17
			08/11/98	110.32	3192.15
			10/21/98	110.40	3192.07
			02/23/99	110.54	3191.93
			05/13/99	110.45	3192.02
			08/11/99	110.45	3192.02
			10/22/99	110.50	3191.97
			02/22/00	111.18	3191.29
			05/12/00	111.89	3190.58
			08/07/00	111.22	3191.25
			10/26/00	112.20	3190.27
			02/20/01	112.41	3190.06
			05/04/01	110.85	3191.62
			08/01/01	110.70	3191.77
			10/25/01	112.17	3190.30
			02/20/02	111.98	3190.49
			05/01/02	111.29	3191.18
			09/24/02	111.08	3191.39
			11/06/02	112.11	3190.36
			03/31/03	111.56	3190.91
			05/20/03	111.90	3190.57
			08/18/03	111.17	3191.30
			11/06/03	110.99	3191.48
			02/25/04	111.01	3191.46
			05/13/04	110.99	3191.48
			08/25/04	112.52	3189.95
			11/10/04	112.42	3190.05
			02/15/05	112.16	3190.31
			05/25/05	112.49	3189.98
			08/23/05	111.81	3190.66
			12/14/05	112.46	3190.01
			02/14/06	111.38	3191.09
			05/09/06	111.36	3191.11
			08/23/06	112.58	3189.89
			12/13/06	112.22	3190.25
			03/07/07	112.89	3189.58
			05/16/07	112.85	3189.62
			08/23/07	112.12	3190.35
			11/15/07	111.43	3191.04
ACW-10	140 to 160	3297.57	02/19/97	106.31	3191.26
			05/08/97	106.32	3191.25
			08/19/97	106.33	3191.24
			10/23/97	106.35	3191.22
			02/24/98	106.38	3191.19
			05/14/98	106.38	3191.19
			08/11/98	106.41	3191.16
			10/22/98	106.54	3191.03
			02/23/99	106.52	3191.05
			05/14/99	106.45	3191.12
			08/11/99	106.47	3191.10
			10/22/99	106.52	3191.05
			02/22/00	106.39	3191.18
			05/12/00	106.63	3190.94
			08/07/00	106.77	3190.80
			10/26/00	106.89	3190.68
			02/20/01	106.99	3190.58
			05/06/01	106.82	3190.75
			08/01/01	106.76	3190.81
			10/25/01	107.01	3190.56
			02/20/02	107.08	3190.49
			05/01/02	107.05	3190.52
			09/24/02	106.91	3190.66
			11/08/02	107.09	3190.48

Table 1 : Summary of Depth to Groundwater Measurements,
Jal No. 4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Monitor Well	Screened Interval (Feet-BGL)	Top of Casing Elevation (Feet-AMSL)	Depth to Groundwater Measurement Date	Depth to Groundwater (Feet-TOC)	Groundwater Elevation (Feet-AMSL)
ACW-10 (cont.)			03/31/03	107.07	3190.50
			05/20/03	107.17	3190.40
			08/18/03	107.09	3190.48
			11/06/03	107.08	3190.49
			02/25/04	107.02	3190.55
			05/13/04	106.98	3190.59
			08/25/04	107.21	3190.36
			11/11/04	107.32	3190.25
			02/15/05	107.20	3190.37
			05/25/05	107.28	3190.29
			08/23/05	107.23	3190.34
			12/14/05	107.36	3190.21
			02/14/06	107.21	3190.36
			05/09/06	107.20	3190.37
			08/23/06	107.37	3190.20
			12/13/06	107.35	3190.22
			03/08/07	107.38	3190.19
			05/16/07	107.37	3190.20
			08/23/07	107.47	3190.10
			11/14/07	107.32	3190.25
ACW-11	140 to 160	3299.33	02/19/97	106.01	3193.32
			05/06/97	105.95	3193.38
			08/19/97	106.00	3193.33
			10/21/97	106.02	3193.31
			10/20/98	106.17	3193.16
			05/12/98	106.00	3193.33
			08/11/98	106.07	3193.26
			10/20/98	106.17	3193.16
			02/23/99	106.20	3193.13
			05/12/99	106.07	3193.26
			08/11/99	106.15	3193.18
			10/20/99	106.16	3193.17
			02/22/00	106.27	3193.06
			05/09/00	106.31	3193.02
			08/07/00	106.54	3192.79
			10/26/00	106.65	3192.68
			02/20/01	106.70	3192.63
			05/01/01	106.45	3192.88
			08/01/01	106.40	3192.93
			10/23/01	106.57	3192.76
			02/20/02	106.79	3192.54
			04/29/02	106.78	3192.55
			09/24/02	106.60	3192.73
			11/06/02	106.80	3192.53
			03/31/03	106.75	3192.58
			05/20/03	106.92	3192.41
			08/18/03	106.85	3192.48
			11/04/03	106.72	3192.61
			02/25/04	106.76	3192.57
			05/13/04	106.69	3192.64
			08/25/04	106.93	3192.40
			11/10/04	106.92	3192.41
			02/15/05	106.91	3192.42
			05/23/05	107.01	3192.32
			08/23/05	107.11	3192.22
			12/13/05	107.20	3192.13
			02/14/06	107.39	3191.94
			05/09/06	107.40	3191.93
			08/23/06	107.44	3191.89
			12/13/06	107.32	3192.01
			03/07/07	107.44	3191.89
			05/16/07	107.42	3191.91
			08/23/07	107.47	3191.86
			11/13/07	107.36	3191.97

Table 1 : Summary of Depth to Groundwater Measurements,
Jal No. 4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Monitor Well	Screened Interval (Feet-BGL)	Top of Casing Elevation (Feet-AMSL)	Depth to Groundwater Measurement Date	Depth to Groundwater (Feet-TOC)	Groundwater Elevation (Feet-AMSL)
ACW-12	150 to 170	3299.56	02/19/97	109.32	3190.24
			05/08/97	109.32	3190.24
			08/20/97	99.29	3200.27
			10/23/97	109.39	3190.17
			02/24/98	109.38	3190.18
			05/14/98	109.35	3190.21
			08/11/98	109.40	3190.16
			10/22/98	109.51	3190.05
			02/23/99	109.54	3190.02
			05/14/99	109.44	3190.12
			08/11/99	109.54	3190.02
			10/22/99	109.52	3190.04
			02/22/00	109.50	3190.06
			05/11/00	109.57	3189.99
			08/07/00	109.65	3189.91
			10/26/00	109.78	3189.78
			02/20/01	109.90	3189.66
			05/03/01	109.75	3189.81
			08/01/01	109.76	3189.80
			10/25/01	109.99	3189.57
			02/20/02	109.97	3189.59
			05/01/02	109.98	3189.58
			09/24/02	109.77	3189.79
			11/07/02	109.91	3189.65
			03/31/03	109.99	3189.57
			05/20/03	110.13	3189.43
			08/18/03	110.03	3189.53
			11/06/03	110.02	3189.54
			02/25/04	110.00	3189.56
			05/13/04	109.98	3189.58
			08/25/04	110.13	3189.43
			11/11/04	110.20	3189.36
			02/15/05	110.12	3189.44
			05/25/05	110.17	3189.39
			08/23/05	110.13	3189.43
			12/14/05	110.21	3189.35
			02/14/06	110.11	3189.45
			05/09/06	110.08	3189.48
			08/23/06	110.25	3189.31
			12/12/06	110.17	3189.39
			03/08/07	110.28	3189.28
			05/16/07	110.25	3189.31
			08/23/07	110.36	3189.20
			11/14/07	110.31	3189.25
ACW-13	153 to 173	3289.46	02/20/97	99.28	3190.18
			05/08/97	99.29	3190.17
			08/20/97	99.29	3190.17
			10/23/97	99.27	3190.19
			02/24/98	99.31	3190.15
			05/14/98	99.31	3190.15
			08/11/98	99.36	3190.10
			10/22/98	99.40	3190.06
			02/23/99	99.45	3190.01
			05/14/99	99.38	3190.08
			08/11/99	99.44	3190.02
			10/22/99	99.44	3190.02
			02/23/00	99.48	3189.98
			05/11/00	99.47	3189.99
			08/07/00	99.53	3189.93
			10/26/00	99.50	3189.96
			02/20/01	99.65	3189.81
			05/06/01	99.62	3189.84
			08/01/01	99.61	3189.85
			10/25/01	99.61	3189.85
			02/20/02	99.72	3189.74
			05/01/02	99.73	3189.73
			09/24/02	99.61	3189.85
			11/07/02	99.80	3189.66

Table 1 : Summary of Depth to Groundwater Measurements,
Jal No. 4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Monitor Well	Screened Interval (Feet-BGL)	Top of Casing Elevation (Feet-AMSL)	Depth to Groundwater Measurement Date	Depth to Groundwater (Feet-TOC)	Groundwater Elevation (Feet-AMSL)
ACW-13 (cont.)			03/28/03	99.79	3189.67
			05/19/03	99.83	3189.63
			08/19/03	99.83	3189.63
			11/06/03	99.86	3189.60
			02/26/04	99.84	3189.62
			05/12/04	99.81	3189.65
			08/24/04	99.87	3189.59
			11/11/04	99.94	3189.52
			02/14/05	99.84	3189.62
			05/24/05	99.83	3189.63
			08/22/05	99.84	3189.62
			12/15/05	99.90	3189.56
			02/13/06	99.83	3189.63
			05/08/06	99.86	3189.60
			08/22/06	100.03	3189.43
			12/11/06	99.99	3189.47
			03/08/07	99.95	3189.51
			05/15/07	100.02	3189.44
			08/22/07	100.02	3189.44
			11/15/07	100.01	3189.45
ACW-14	157 to 177	3291.18	02/19/97	NM	NM
			05/06/97	NM	NM
			08/20/97	100.41	3190.77
			10/22/97	100.38	3190.80
			02/24/98	100.47	3190.71
			05/13/98	100.42	3190.76
			08/11/98	100.47	3190.71
			10/21/98	100.54	3190.64
			02/23/99	100.57	3190.61
			05/13/99	100.49	3190.69
			08/09/99	100.49	3190.69
			10/21/99	100.55	3190.63
			02/22/00	100.56	3190.62
			05/10/00	100.52	3190.66
			08/07/00	100.61	3190.57
			10/26/00	100.62	3190.56
			02/20/01	100.75	3190.43
			05/03/01	100.72	3190.46
			08/01/01	100.75	3190.43
			10/24/01	100.75	3190.43
			02/19/02	100.80	3190.38
			04/30/02	100.80	3190.38
			09/24/02	100.71	3190.47
			11/04/02	100.80	3190.38
			03/26/03	100.89	3190.29
			05/20/03	100.97	3190.21
			08/20/03	100.95	3190.23
			11/05/03	100.96	3190.22
			02/26/04	100.94	3190.24
			05/12/04	100.86	3190.32
			08/24/04	100.93	3190.25
			11/12/04	100.99	3190.19
			02/14/05	100.94	3190.24
			05/24/05	100.93	3190.25
			08/22/05	100.94	3190.24
			12/14/05	101.01	3190.17
			02/13/06	100.91	3190.27
			05/09/06	101.05	3190.13
			08/22/06	101.15	3190.03
			12/11/06	101.06	3190.12
			03/07/07	101.06	3190.12
			05/15/07	101.11	3190.07
			08/22/07	101.12	3190.06
			11/14/07	101.15	3190.03

Table 1 : Summary of Depth to Groundwater Measurements,
Jal No. 4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Monitor Well	Screened Interval (Feet-BGL)	Top of Casing Elevation (Feet-AMSL)	Depth to Groundwater Measurement Date	Depth to Groundwater (Feet-TOC)	Groundwater Elevation (Feet-AMSL)
ACW-15	150 to 170	3290.54	10/23/99	102.39	3188.15
			02/23/00	102.41	3188.13
			05/11/00	102.42	3188.12
			08/07/00	102.45	3188.09
			10/26/00	102.42	3188.12
			02/20/01	102.55	3187.99
			05/06/01	102.51	3188.03
			08/01/01	102.58	3187.96
			10/25/01	102.56	3187.98
			02/19/02	102.57	3187.97
			05/02/02	102.65	3187.89
			09/24/02	102.55	3187.99
			11/07/02	102.68	3187.86
			03/28/03	102.74	3187.80
			05/19/03	102.72	3187.82
			08/19/03	102.75	3187.79
			11/07/03	102.78	3187.76
			02/26/04	102.75	3187.79
			05/12/04	102.76	3187.78
			08/24/04	102.78	3187.76
			11/11/04	102.75	3187.79
			02/14/05	102.75	3187.79
			05/24/05	102.75	3187.79
			08/22/05	102.76	3187.78
			12/13/05	102.78	3187.76
			02/13/06	102.76	3187.78
			05/08/06	102.79	3187.75
			08/22/06	102.91	3187.63
			12/11/06	102.89	3187.65
			03/08/07	102.79	3187.75
			05/15/07	102.87	3187.67
			08/22/07	102.91	3187.63
			11/15/07	102.83	3187.71
ENSR-1	123 to 148	3,305.40	02/25/04	108.63	3,196.77
			05/13/04	108.60	3,196.80
			08/25/04	108.57	3,196.83
			11/10/04	108.40	3,197.00
			12/13/05	108.33	3,197.07
			02/14/06	108.45	3,196.95
			05/09/06	108.61	3,196.79
			08/23/06	108.71	3,196.69
			12/15/06	108.50	3,196.90
			03/06/07	108.52	3,196.88
			05/16/07	108.52	3,196.88
			08/23/07	108.61	3,196.79
			11/13/07	108.54	3,196.86
ENSR-3	123 to 148	3,303.80	02/25/04	108.11	3,195.69
			05/13/04	108.07	3,195.73
			08/25/04	108.14	3,195.66
			11/10/04	108.10	3,195.70
			12/12/05	108.21	3,195.59
			02/14/06	108.26	3,195.54
			05/09/06	108.41	3,195.39
			08/23/06	108.52	3,195.28
			12/14/06	108.18	3,195.62
			03/06/07	108.35	3,195.45
			05/16/07	108.34	3,195.46
			08/23/07	108.31	3,195.49
			11/12/07	108.26	3,195.54

Table 1 : Summary of Depth to Groundwater Measurements, Jal No. 4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Monitor Well	Screened Interval (Feet-BGL)	Top of Casing Elevation (Feet-AMSL)	Depth to Groundwater Measurement Date	Depth to Groundwater (Feet-TOC)	Groundwater Elevation (Feet-AMSL)
PTP-1	110 to 130	3,304.41	02/25/04	108.67	3,195.74
			05/13/04	108.65	3,195.76
			08/25/04	108.72	3,195.69
			11/10/04	108.60	3,195.81
			12/12/05	108.68	3,195.73
			02/14/06	108.83	3,195.58
			05/09/06	108.97	3,195.44
			08/23/06	109.06	3,195.35
			12/14/06	108.78	3,195.63
			03/06/07	108.91	3,195.50
			05/16/07	108.91	3,195.50
			08/23/07	108.87	3,195.54
			11/12/07	108.83	3,195.58

Notes:

1. TOC : Measured from top of casing.
2. AMSL : Above mean sea level.
3. NM : No measurement taken.
4. BGL: Below ground level.

Table 2
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Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umho/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l
ACW #01	ACW #01	05-Mar-93	—	—	—	—	—	—	—	—	—	14,350	—	8,505	—	4,045	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	15-Sep-93	—	—	—	—	—	—	—	—	—	10,360	—	6,016	—	2,915	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	10-Nov-93	—	—	—	—	—	—	—	—	—	11,780	—	7,340	—	3,683	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	20-Apr-94	—	—	—	—	—	—	—	—	—	16,520	—	8,430	—	5,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	27-Oct-94	—	—	—	—	—	—	—	—	—	14,630	—	8,440	—	3,700	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	16-May-95	<5	<10	<5	<5	<5	<5	<15	—	—	14,000	8.3	8,200	4,100	240	—	1.8	25	<2.0	—	—	—	—	0.9	—	66	—	—	—
ACW #01	ACW #01	27-Jun-95	4.6	4.6	<2.5	—	—	140	—	8.4	8,400	1,400	—	—	4,800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	29-Aug-95	6	<10	<5	—	—	<15	—	8.2	12,000	3,300	210	—	5,700	260	—	1.9	22	<2.0	—	—	—	—	1.0	—	74	—	—	—
ACW #01	ACW #01	06-Feb-96	6.1	3	1.9	—	—	2.8	—	8.3	9,700	16,000	—	—	5,200	280	—	2.1	0.88	0.02	—	—	—	—	1.0	—	78	—	—	<0.006
ACW #01	ACW #01	06-Feb-96	5.6	2.7	3	—	—	<7.5	—	8.2	9,440	16,170	—	—	5,770	293	—	2.06	21	<1.25	—	—	—	—	11	—	84	—	—	<0.1
ACW #01	ACW #01	06-Mar-96	5.3	2.03	<1.0	—	—	<3.0	—	8.2	8,190	14,620	—	—	4,130	266	—	<1.25	2.2	<1.25	—	—	—	—	1.0	—	93	—	—	0.01
ACW #01	ACW #01	13-Aug-96	3.5	1.2	<1.0	—	—	<2.0	—	8.1	3,500	12,000	—	—	3,500	270	—	1.9	4.9	<0.05	—	—	—	—	1.1	—	110	—	—	0.019
ACW #01	ACW #01	05-Nov-96	5.6	2.5	<1.0	—	—	1.3	—	8.1	7,200	11,000	—	—	3,700	250	—	2	4.4	<0.05	—	—	—	—	1.0	—	81	—	—	<0.007
ACW #01	ACW #01	06-May-97	14	15	<5.0	—	—	5.7	—	—	—	14,800	—	8,800	5,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	21-Nov-97	6.1	4.8	<0.5	—	—	2.4	—	8.4	12,000	20,800	—	—	7,800	320	—	<2	2.1	<0.5	—	—	—	—	1.0	—	83	—	—	<0.01
ACW #01D	ACW #01D	21-Nov-97	6.7	5.7	<0.5	—	—	2.1	—	8.2	12,000	20,700	—	—	7,500	320	—	2	2.2	<0.5	—	—	—	—	0.9	—	76	—	—	<0.01
ACW #01D	ACW #01D	12-May-98	6.8	11	4.4	—	—	3.4	—	—	9,600	16,000	—	—	5,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0170	ACW #01	20-Oct-98	7	4	<2 Jm	—	—	<2 Jm	—	8.18	12,900	20,300	—	—	6,100	260	17.7	<5	2.3	<0.05	—	—	—	—	1.1	—	100	—	—	<0.0025
S98-0458	ACW #01	11-May-99	—	—	—	—	—	—	—	—	—	16,900	—	8,500	5,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0005	ACW #01	19-Oct-99	7.5	3.6	<2	—	—	<4	—	8.02	7,800	14,800	—	—	5,500	210	20.6	<4	2.2	<0.05	—	0.047	0.62	0.33	1.2	<0.002	160	<0.005	<0.005	<0.0025
M99-0187	ACW #01	09-May-00	—	—	—	—	—	—	—	—	—	19,300	—	11,300	7,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0081	ACW #01	26-Oct-00	<2	<2	<2	—	—	—	—	8.3	9,900	15,500	8.13	—	5,500	300	15.2	<2	2.3	<1	—	—	0.30	0.29	1.0	<0.01	120	<0.01	—	<0.005
M00-0219	ACW #01	01-May-01	—	—	—	—	—	—	—	—	—	14,200	—	7,640	5,300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0133	ACW #01	22-Oct-01	<2	<2	<2	—	—	—	—	11.0	11,600	12,400	7.92	6,580	4,400	420	—	1.4	<0.40	<0.20	—	—	0.13	—	1.1	—	180	—	—	—
M01-0469	ACW #01	29-Apr-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-03	ACW #01	03-Nov-02	<5.0	<5.0	<5.0	<10	<5.0	<15	—	—	6,400	7.65 H	—	4,000	1,900	420	—	1.4	<0.40	<0.20	—	—	—	—	—	—	—	—	—	—
2002110896-6	ACW #01	03-Nov-02	<5.0	<5.0	<5.0	<10	<5.0	<15	—	—	6,400	7.65 H	—	4,000	1,900	420	—	1.4	<0.40	<0.20	—	—	0.13	—	1.1	—	180	—	—	—
2003101363-9	ACW #01	04-Nov-03	2.2	<2.0	<2.0	—	—	<6.0	—	—	5,530	7.2	—	2,480	420	—	—	20.3	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-3	ACW #01	09-Nov-04	<1.0	1.7	<1.0	—	—	<2.0	—	—	5,780	7.5	—	5,140	2,570	—	—	19.6	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-3	ACW #01	12-Dec-05	<10	<10	<10	—	—	<30	—	—	7,650	7.0	—	3,500	1,770	—	—	21.8	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-3	ACW #01	05-Mar-07	1.1	<1	<1	<1	<1	<1	—	—	5,860	7.0	—	5,340	2,780	—	—	20.2	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-3	ACW #01	12-Nov-07	1.2	<1	<1	<1	<1	<1	—	—	5,850	7.0	—	4,500	2,040	—	—	19	—	—	—	—	—	—	—	—	—	—	—	—
ACW #02A	ACW #02A	06-May-97	140	100	<50	—	—	<100	—	—	26,800	—	—	17,000	11,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #02A	ACW #02A	20-Oct-97	89	100	13	—	—	26	—	—	24,400	9.2	16,000	8,600	<10	—	5	7.6	<0.5	—	—	—	—	—	11	—	3	—	—	<0.01
S98-0167	ACW #02A	11-May-98	120	210	20	—	—	33	—	—	26,000	—	16,000	8,200	—	—	—	—	—	—	—	—	—	—	14	—	3.0	—	—	<0.0025
S98-0455	ACW #02A	19-Oct-98	180	340	38	—	—	72	—	—	25,200	9.40	20,200	7,800	17	18.3	<5	12	<0.05	—	—	—	—	—	—	—	—	—	—	—
M99-0013	ACW #02A	12-May-99	—	—	—	—	—	—	—	—	24,400	—	12,000	7,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0181	ACW #02A	18-Oct-99	17 P	42 P	8.1 P	—	—	14 P	—	—	24,000	9.42	13,000	7,600	25	19.8	<4	16	<0.05	—	0.35	3.6	0.48	2.3	0.016	<0.005	4.2	<0.005	0.0041	0.0086
M00-0078	ACW #02A	08-May-00	—	—	—	—	—	—	—	—	21,500	—	13,600	7,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0215	ACW #02A	26-Oct-00	35	78	16	—	—	32	—	—	19,100	9.75	12,800	6,500	28	14.1	<2	11	<1	—	—	1.4	0.31	1.2	0.018	6.4	0.018	—	0.034	—
M01-0136	ACW #02A	02-May-01	—	—	—	—	—	—	—	—	18,500	—	10,900	5,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0468	ACW #02A	22-Oct-01	39	34	30	—	—	—	—	57	19,900	9.88	12,100	4,600	6.5	19.8	<10	11	<5	—	0.16	1.4	0.26	1.4	0.016	3.3	<0.01	<0.01	<0.005	—
2002040220-11	ACW #02A	30-Apr-02	—	—	—	—	—	—	—	—	22,300	—	14,000	6,300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-4	ACW #02A	03-Nov-02	61	32	35	47	<20	47	—	—	19,000	9.85 H	8,800	8,900	3.2	—	<0.50	14	<0.20	—	1.6	—	0.98	—	4.5	—	—	—	—	—
2003101363-11	ACW #02A	04-Nov-03	45.6 P	17.9 P	24.8 P	—	—	—	41.3 P	—	18,530	9.8	9,050	4,740	—	23.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2003101363-12	ACW #02A-D	04-Nov-03	44.6 P	18.5 P	23.4 P	—	—	—	37.7 P	—	—	—	9,280	4,560	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-4	ACW #02A	09-Nov-04	47.9	17.1	15.0	—	—	—	28.4	—	13,730	9.8	11,300	4,290	—	20.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2006121523-4	ACW #02A	12-Dec-05	22.9	12.2 J	<20	—	—	—	<60	—	23,500	9.0	13,200	5,520	—	18.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-4	ACW #02A	05-Mar-07	44	14	30	31	11	42	—	—	18,650	9.1	11,900	5,760	—	20.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-5	ACW #02A	12-Nov-07	120	3.9	66	44	17	61	—	—	19,420	8.7	11,900	5,950	—	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #03	ACW #03	06-May-97	350	22	110	—	—	43	—	—	18,500	—	11,000	6,900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #03	ACW #03	20-Oct-97	160	8.2	69	—	—	32	—	—	23,000	—	13,000	7,800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0157	ACW #03	11-May-98	130	21	41	—	—	19	—	—	24,000	—	15,000	8,500	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0456	ACW #03	19-Oct-98	—	—	—	—	—	—	—	—	20,800	—	12,400	7,700	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0011	ACW #03	12-May-99	—	—	—	—	—	—	—	—	19,600	—	10,100	6,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0185	ACW #03	19-Oct-99	—	—	—	—	—	—	—	—	18,900	—	9,120	6,900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0077	ACW #03	08-May-00	—	—	—	—	—	—	—	—	19,400	—	11,900	7,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0217	ACW #03	26-Oct-00	—	—	—	—	—	—	—	—	17,500	—	11,900	7,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0132	ACW #03	01-May-01	—	—	—	—	—	—	—	—	19,200	—	9,900	9,500	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0474	ACW #03	23-Oct-01	—	—	—	—	—	—	—	—	18,800	—	10,600	7,100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-13	ACW #03	30-Apr-02	—	—	—	—	—	—	—	—	18,500	—	10,600	6,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-3	ACW #03	03-Nov-02	37	<10	28	<20	<10	<30	—	—	13,000	7.56 H	13,000	4,700	13	—	2.2	<0.40	<0.20 H	—	—	0.043	—	1.0	—	220	—	—	—	—
2003101363-3	ACW #03	03-Nov-03	7.7	4.0	8.3	—	—	2.9 J	—	—	11,080	6.8	8,310	4,070	—	21.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-8	ACW #03	09-Nov-04	13.7	5.4	7.0	—	—	6.60	—	—	12,290	6.3	8,580	4,980	—	21.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005050596-1	ACW #03	23-May-05	5.5	1.1 J	3.6	—	—	2.9 J	—	—	16,570	6.8	11,567	5,500	—	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-24	ACW #03	14-Dec-05	103	34.2	23.7	—	—	—	—	—	21,100	6.9	12,600	6,500	—	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-9	ACW #03	05-Mar-07	61	34	17	12	3.6	15.6	—	—	18,800	7.0	11,600	6,970	—	19.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-7	ACW #03	12-Nov-07	34	17	3.5	4.6	1.8	6.4	—	—	18,620	7.0	11,200	6,210	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as $CaCO_3$), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as $CaCO_3$), mg/l
ACW #01	ACW #01	05-Mar-93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	15-Sep-93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	10-Nov-93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	20-Apr-94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	27-Oct-94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	16-May-95	0.38	—	72	0.062	—	—	—	12	—	33	—	2,600	—	<0.020	700	—	—	—	470
ACW #01	ACW #01	27-Jun-95	0.59	—	92	0.077	—	—	—	15	—	35	—	3,200	—	<0.02	710	—	—	—	510
ACW #01	ACW #01	29-Aug-95	0.18	—	78	0.069	—	—	—	11	—	28	—	2,400	—	<0.02	820	—	—	—	590
ACW #01	ACW #01	06-Feb-96	0.56	—	100	0.069	—	—	—	16	—	36	—	4,300	—	<0.010	830	—	—	—	620
ACW #01	ACW #01	06-Feb-96	0.7	—	102	0.1	—	—	—	17	—	41	—	3,900	—	<0.1	759	—	—	—	630
ACW #01	ACW #01	08-May-96	0.6	—	118	0.09	—	—	—	18	—	54	—	3,070	—	<0.05	310	—	—	—	718
ACW #01	ACW #01	13-Aug-96	0.68	—	100	0.078	—	—	—	8.6	—	41	—	2,400	—	0.008	730	—	—	—	690
ACW #01	ACW #01	05-Nov-96	0.59	—	98	0.062	—	—	—	11	—	16	—	3,000	—	0.011	810	—	—	—	610
ACW #01	ACW #01	06-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	21-Nov-97	0.6	—	110	0.06	—	—	—	20	—	14	—	3,900	—	0.04	680	—	—	—	—
ACW #01	ACW #01	21-Nov-97	0.5	—	100	0.07	—	—	—	20	—	13	—	4,000	—	0.03	670	—	—	—	—
ACW #01D	ACW #01D	12-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0170	ACW #01	20-Oct-98	0.74	—	110	0.062	—	—	—	16	—	15	—	3,800	—	<0.05	840	840	<25	<25	700
S98-0458	ACW #01	11-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0005	ACW #01	19-Oct-99	1.6	<0.005	110	0.13	<0.0002	0.013	<0.02	13	—	24	<0.005	3,100	<0.005	<0.05	780	780	<25	<25	870
M99-0187	ACW #01	09-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0081	ACW #01	26-Oct-00	3.6	<0.05	82	0.21	<0.0002	—	—	9.5	<0.1	25	<0.02	2,600	—	<0.1	720	720	<25	<25	640
M00-0219	ACW #01	01-May-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0133	ACW #01	22-Oct-01	2.3	<0.05	60	0.18	<0.0002	<0.01	<0.04	11	<0.1	26	<0.02	3,000	<0.005	<0.1	600	600	<25	<25	450
M01-0469	ACW #01	29-Apr-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-03	ACW #01	03-Nov-02	6.9	—	120	0.33	—	—	—	18	—	45	—	1,500	—	—	500	500	<2.0	<2.0	930
2002110896-6	ACW #01	04-Nov-03	—	—	—	—	—	—	—	—	—	—	—	958	—	—	—	—	—	—	—
2003101363-9	ACW #01	09-Nov-04	—	—	—	—	—	—	—	—	—	—	—	696	—	—	—	—	—	—	—
2004111601-3	ACW #01	12-Dec-05	—	—	—	—	—	—	—	—	—	—	—	1,240	—	—	—	—	—	—	—
2005121523-3	ACW #01	05-Mar-07	—	—	—	—	—	—	—	—	—	—	—	569	—	—	—	—	—	—	—
2007030225-3	ACW #01	12-Nov-07	—	—	—	—	—	—	—	—	—	—	—	563	—	—	—	—	—	—	—
2007111584-3	ACW #01	06-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #02A	ACW #02A	20-Oct-97	0.2	—	<1	<0.01	—	—	—	12	—	10	—	6,000	—	<0.02	2,200	—	—	—	—
ACW #02A	ACW #02A	11-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0167	ACW #02A	19-Oct-98	0.37	—	0.96	<0.0025	—	—	—	12	—	12	—	6,400	—	<0.05	2,400	1500	860	<25	11
S98-0455	ACW #02A	12-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0013	ACW #02A	18-Oct-99	0.30	<0.005	1.1	0.0041	0.00051	0.085	0.041	14	—	26	<0.005	6,100	0.037	<0.05	2,700	1700	990	<50	15
M99-0181	ACW #02A	08-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0078	ACW #02A	26-Oct-00	1.0	<0.05	1.0	0.011	0.0002	—	—	8.5	<0.1	28	<0.02	3,600	—	<0.1	870	870	<25	<25	18
M00-0215	ACW #02A	02-May-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0136	ACW #02A	22-Oct-01	0.4	<0.05	0.23	0.0062	0.00066	0.053	<0.04	8.9	<0.1	36	<0.02	5,200	0.027	<0.1	3,700	1,300	2,400	<125	9.2
M01-0468	ACW #02A	30-Apr-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-11	ACW #02A	03-Nov-02	0.81	—	<2.0	<0.010	—	—	—	25	—	36	—	5,800	—	—	3,500	1,300	2,200	<2.0	<13
2002110896-4	ACW #02A	04-Nov-03	—	—	—	—	—	—	—	—	—	—	—	4,160	—	—	—	—	—	—	—
2003101363-11	ACW #02A	04-Nov-03	—	—	—	—	—	—	—	—	—	—	—	4,280	—	—	—	—	—	—	—
2003101363-12	ACW #02A-D	09-Nov-04	—	—	—	—	—	—	—	—	—	—	—	3,950	—	—	—	—	—	—	—
2004111601-4	ACW #02A	12-Dec-05	—	—	—	—	—	—	—	—	—	—	—	5,570	—	—	—	—	—	—	—
2005121523-4	ACW #02A	05-Mar-07	—	—	—	—	—	—	—	—	—	—	—	4,270	—	—	—	—	—	—	—
2007030225-4	ACW #02A	12-Nov-07	—	—	—	—	—	—	—	—	—	—	—	4,570	—	—	—	—	—	—	—
2007111584-5	ACW #02A	06-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #03	ACW #03	20-Oct-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #03	ACW #03	11-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0157	ACW #03	19-Oct-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0456	ACW #03	12-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0011	ACW #03	19-Oct-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0185	ACW #03	08-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0077	ACW #03	26-Oct-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0217	ACW #03	01-May-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0132	ACW #03	23-Oct-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0474	ACW #03	30-Apr-02	—	—	—	—	—	—	—	—	—	—	—	4200	—	—	960	960	<2.0	<2.0	960
2002040220-13	ACW #03	03-Nov-02	10	—	98	0.48	—	—	—	28	—	55	—	2,830	—	—	—	—	—	—	—
2002110896-3	ACW #03	03-Nov-03	—	—	—	—	—	—	—	—	—	—	—	2,800	—	—	—	—	—	—	—
2003101363-3	ACW #03	09-Nov-04	—	—	—	—	—	—	—	—	—	—	—	4,331	—	—	—	—	—	—	—
2004111601-8	ACW #03	23-May-05	—	—	—	—	—	—	—	—	—	—	—	4,720	—	—	—	—	—	—	—
2005050596-1	ACW #03	14-Dec-05	—	—	—	—	—	—	—	—	—	—	—	3,840	—	—	—	—	—	—	—
2005121523-24	ACW #03	05-Mar-07	—	—	—	—	—	—	—	—	—	—	—	3,970	—	—	—	—	—	—	—
2007030225-9	ACW #03	12-Nov-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-7	ACW #03																				

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umho/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l
ACW #04	ACW #04	06-May-97	29	12	<5.0	—	—	—	<10	—	—	48,500	—	25,000	21,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #04	ACW #04	20-Oct-97	170	150	<5.0	—	—	—	110	—	—	172,000	7.3	94,000	58,000	2,100	—	33	<0.5	<0.5	—	—	—	—	0.7	—	580	—	—	<0.01
S98-0168	ACW #04	12-May-98	190	170	60	—	—	—	100	—	—	160,000	—	99,000	74,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0454	ACW #04	19-Oct-98	190	140	49	—	—	—	90	—	—	121,000	6.74	83,100	56,000	1,800	17.6	<20	0.51	<0.5	—	—	—	—	1.1	—	610	—	—	<0.0025
M99-0012	ACW #04	12-May-99	—	—	—	—	—	—	—	—	—	131,000	—	84,800	45,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0184	ACW #04	19-Oct-99	240	160	44	—	—	—	81	—	—	95,000	6.95	46,300	44,000	1,300	20.7	<20	0.64	<0.05	—	<0.025	0.092	0.15	1.4	<0.002	650	<0.005	0.018	0.0080
M00-0079	ACW #04	08-May-00	—	—	—	—	—	—	—	—	—	106,000		72,300	47,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0216	ACW #04	26-Oct-00	63	17	41	—	—	—	190	—	—	25,600	7.73	16,300	10,000	88	15.1	<2	12	<1	—	—	0.47	0.87	2.0	<0.01	57	<0.01	—	<0.005
M01-0137	ACW #04	02-May-01	—	—	—	—	—	—	—	—	—	29,600	—	17,400	12,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0467	ACW #04	22-Oct-01	12	3	32	—	—	—	100	—	—	35,300	7.15	21,400	13,000	200	20.2	<20	8.2	<10	—	<0.05	0.31	0.81	1.5	<0.005	290	<0.01	<0.01	<0.005
2002040220-12	ACW #04	30-Apr-02	—	—	—	—	—	—	—	—	—	35,600	—	24,500	15,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-5	ACW #04	03-Nov-02	84	17	27	34		11	45	—	—	33,000	7.71 H	24,000	11,000	450	—	1.9	1.3	0.69	—	—	0.21	—	1.1	—	440	—	—	—
2003101363-10	ACW #04	04-Nov-03	44.8	5.5	15.0	—	—	—	26.5	—	—	22,400	6.9	20,900	14,200	—	21.7	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-7	ACW #04	09-Nov-04	189 R	42.9	69.8	—	—	—	101	—	—	54,400	7.0	19,700 (20,000)	10,800	—	20.8	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-5	ACW #04	12-Dec-05	96.6	55.7	76.1	—	—	—	136	—	—	25,100	7.7	13,900	5,520	—	18.9	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-6	ACW #04	05-Mar-07	110	6.4	61	73		24	97	—	—	21,100	7.5	14,200	8,600	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-7	ACW #04D	05-Mar-07	88	6.4	47.0	56		18	74	—	—	—	—	13,200	7,730	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-6	ACW #04	12-Nov-07	71	12	34	45		15	60	—	—	30,700	8.7	15,000	8,670	—	20.2	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	10-Mar-93	—	—	—	—	—	—	—	—	—	10,400	—	6,110	2,544	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	17-Jun-93	—	—	—	—	—	—	—	—	—	4,480	—	323	1,228	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	16-Sep-93	—	—	—	—	—	—	—	—	—	4,140	—	3,064	650	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	09-Nov-93	—	—	—	—	—	—	—	—	—	4,390	—	3,202	720	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	21-Apr-94	—	—	—	—	—	—	—	—	—	4,131	—	3,300	800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	28-Oct-94	—	—	—	—	—	—	—	—	—	4,500	—	3,112	550	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	31-Jan-95	—	—	—	—	—	—	—	—	—	4,050	—	2,848	499	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	16-May-95	<5	<10	<5	<5	<5	<5	<15	—	—	3,900	7.0	2,800	530	1,100	—	1.3	<1.0	3.5	—	—	—	—	0.9	—	270	—	—	<0.025
ACW #05	ACW #05	27-Jun-95	<2.5	<2.5	<2.5	—	—	—	<5.0	—	—	3,800	7.3	2,800	460	800	—	1.1	<1.0	3.4	—	—	—	—	1.0	—	270	—	—	<0.025
ACW #05	ACW #05	30-Aug-95	<5	<10	<5	—	—	—	<15	—	—	3,900	7.0	2,700	510	890	—	1	<10	<20	—	—	—	—	1.1	—	240	—	—	<0.025
ACW #05	ACW #05	06-Feb-96	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	3,800	7.5	2,200	510	920	—	0.92	0.12	4.7	—	—	—	—	1.4	—	240	—	—	<0.006
ACW #05	ACW #05	06-Feb-96	<2.5	<2.5	<2.5	—	—	—	<7.5	—	—	3,090	7.3	2,745	506	835	—	<1.25	0.29	4.9	—	—	—	—	1.4	—	240	—	—	<0.1
ACW #05	ACW #05	08-May-96	<1.0	<1.0	<1.0	—	—	—	<3.0	—	—	3,650	7.2	2,460	519	653	—	4.5	0.42	5	—	—	—	—	0.8	—	167	—	—	0.01
ACW #05	ACW #05	13-Aug-96	<1.0	1.2	<1.0	—	—	—	<2.0	—	—	3,400	7.3	2,500	500	710	—	1	0.7	5.4	—	—	—	—	2.0	—	200	—	—	<0.006
ACW #05	ACW #05	06-Nov-96	1.1	1.4	1.2	—	—	—	<2.0	—	—	3,300	7.5	2,300	500	710	—	1.2	0.57	<0.05	—	—	—	—	1.9	—	180	—	—	<0.007
ACW #05	ACW #05	07-May-97	0.84	1.2	0.93	—	—	—	<1.0	—	—	3,020	—	2,000	430	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	22-Oct-97	0.9	1.6	0.8	—	—	—	1.9	—	—	3,160	7.7	2,000	470	320	—	1.7	0.6	6	—	—	—	—	1.3	—	170	—	—	<0.01
S98-0183	ACW #05	13-May-98	0.79	1.5	0.77*	—	—	—	12*	—	—	3,100	—	2,800	570	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0470	ACW #05	21-Oct-98	—	—	—	—	—	—	—	—	—	2,930	—	1,910	440	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0020	ACW #05	13-May-99	—	—	—	—	—	—	—	—	—	3,190	—	1,960	450	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0196	ACW #05	21-Oct-99	<2	2.7	<2	—	—	—	<4	—	—	3,250	7.23	1,890	1,000	440	18.5	<2	0.77	6.5	—	0.094	0.0061	0.034	1.1	<0.002	190	0.019	<0.005	<0.0025
M00-0092	ACW #05	10-May-00	—	—	—	—	—	—	—	—	—	3,180	—	1,960	750	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0234	ACW #05	02-Nov-00	<5	<5	<5	—	—	—	<10	—	—	2,650	7.3	1,920	860	750	18.5	<40	0.85	5.3	—	—	<0.1	0.051	1.1	<0.01	200	0.028	—	0.0095
M01-0157	ACW #05	06-May-01	—	—	—	—	—	—	—	—	—	3,030	—	1,920	540	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0481	ACW #05	24-Oct-01	—	—	—	—	—	—	—	—	—	3,120	—	1,860	590	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-17	ACW #05	30-Apr-02	—	—	—	—	—	—	—	—	—	3,110	—	1,900	570	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-20	ACW #05	06-Nov-02	<1.0	<1.0	<1.0	<2.0		<1.0	<3.0	—	—	3,000	7.26 H	2,200	560	520	—	0.99	0.88	4.7	—	—	<0.0050	—	0.92	—	160	—	—	—
2003101363-19	ACW #05	05-Nov-03	1.2 J	1.1 J	1.3 J	—	—	—	<6.0	—	—	3,000	7.1	1,040	613	—	22.6	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-26	ACW #05	12-Nov-04	0.42 J	<1.0	0.51 J	—	—	—	<2.0	—	—	3,450	6.6	2,540	708	—	20.3	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-13	ACW #05	13-Dec-05	<2.0	<2.0	1.1 J	—	—	—	<6.0	—	—	3,820	6.4	2,640	771	—	20.2	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-14	ACW #05D	13-Dec-05	<2.0	<2.0	1.2 J	—	—	—	<6.0	—	—	—	—	2,510	675	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-22	ACW #05	07-Mar-07	<1	<1	<1	1.2		<1	1.2	—	—	4,170	6.6	3,440	978	—	20.2	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-18	ACW #05	14-Nov-07	<1	<1	<1	<1		<1	<1	—	—	4,260	6.5	3,240	1,070	—	21.4	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #06	ACW #06	18-Jun-93	—	—	—	—	—	—	—	—	—	8,220	—	5,027	2,108	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #06	ACW #06	16-Sep-93	—	—	—	—	—	—	—	—	—	11,130	—	6,656	2,737	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #06	ACW #06	08-Nov-93	—	—	—	—	—	—	—	—	—	8,540	—	5,646	2,154	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #06	ACW #06	21-Apr-94	—	—	—	—	—	—	—	—	—	11,080	—	6,930	3,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #06	ACW #06	28-Oct-94	—	—	—	—	—	—	—	—	—	11,988	—	6,910	2,100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #06	ACW #06	31-Jan-95	—	—	—	—	—	—	—	—	—	11,530	—	6,755	2,873	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #06	ACW #06	16-May-95	<5	<10	<5	<5	<5	<5	<15	—	—	10,000	8.1	6,400	2,800	110	—	1.4	31	<2.0	—	—	—	—	0.9	—	70	—	—	<0.025
ACW #06	ACW #06	27-Jun-95	14	<2.5	<2.5	—	—	—	<5.0	—	—	10,000	9.0	8,600	3,500	110	—	1.8	44	<2.0	—	—	—	—	1.1	—	64	—	—	<0.025
ACW #06	ACW #06	29-Aug-95	7	<10	<5	—	—	—	<15	—	—	12,000	8.4	7,100	3,000	110	—	1.8	26	<20	—	—	—	—	0.9	—	42	—	—	<0.025
ACW #06	ACW #06	06-Feb-96	6.6	3.2	<1.0	—	—	—	<2.0	—	—	11,000	8.0	6,600	2,600	72	—	1.3	3.8	<0.0071	—	—	—	—	1.1	—	91	—	—	<0.006
ACW #06	ACW #06	06-Feb-96	<2.5	<2.5	<2.5	—	—	—	<7.5	—	—	10,320	7.8	5,630	3,180	79	—	1.52	10	<1.25	—	—	—	—	1.3	—	76	—	—	<0.1
ACW #06	ACW #06	08-May-96	4.08	1.58	<1.0	—	—	—	<3.0	—	—	10,620	7.7	6,460	2,880	48	—	<1.25	6.4	<1.25	—	—	—	—	1.3	—	35	—	—	0.02
ACW #06	ACW #06	14-Aug-96	4.2	2.6	<2.0	—	—	—	<2.0	—	—	11,000	7.9	7,100	2,900	88	—	1.8	21	<0.05	—	—	—	—	1.2	—	85	—	—	<0.006
ACW #06	ACW #06	06-Nov-96	4.5	1.5	<1.0	—	—	—	<2.0	—	—	12,000	8.6	7,700	3,400	74	—	1.3	18	<0.05	—	—	—	—	1.2	—	98	—	—	<0.007
ACW #06	ACW #06	06-Nov-96	4.6	1.5	<1.0	—	—	—	<2.0	—	—	12,000	8.6	7,700	3,600	62	—	1.3	18	<0.05	—	—	—	—	1.1	—	88	—	—	<0.007
ACW #06	ACW #06	08-May-97	8.2	2.8	2.6	—	—	—	2.7	—	—	8,450	—	5,500	2,300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #06	ACW #06	22-Oct-97	10	3.8	1.4	—	—	—	1.2	—	—	10,200	8.2	6,500	2,900	100	—	3	16.5	<0.05	—	—	—	—	0.9	—	68	—	—	<0.01
ACW #06D	ACW #06D	22-Oct-97	9.5	3.1	1.2	—	—	—	1.2	—	—	10,700	8.3	6,200	2,900	98	—	3	17.2	<0.05	—	—	—	—	0.9	—	68	—	—	<0.01

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as $CaCO_3$), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as $CaCO_3$), mg/l
ACW #04	ACW #04	06-May-97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #04	ACW #04	20-Oct-97	0.2	---	360	6.1	---	---	---	250	---	13	---	33,000	---	<0.02	500	---	---	---	---
S98-0168	ACW #04	12-May-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S98-0454	ACW #04	19-Oct-98	0.14	---	370	7.0	---	---	---	170	---	10	---	37,000	---	<0.05	480	480	<25	<25	3100
M99-0012	ACW #04	12-May-99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M99-0184	ACW #04	19-Oct-99	0.23	<0.005	370	12	<0.0002	0.0076	<0.02	170	---	14	<0.005	42,000	0.14	<0.05	500	500	<25	<25	3200
M00-0079	ACW #04	08-May-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M00-0216	ACW #04	26-Oct-00	1.7	<0.05	28	0.50	<0.0002	---	---	23	<0.1	25	<0.02	3,600	---	<0.1	1600	1600	<25	<25	260
M01-0137	ACW #04	02-May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M01-0467	ACW #04	22-Oct-01	1.5	<0.05	110	0.58	0.00086	0.032	<0.04	32	<0.1	30	<0.02	7,300	0.0066	<0.1	970	970	<25	<25	1200
2002040220-12	ACW #04	30-Apr-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002110896-5	ACW #04	03-Nov-02	1.6	---	150	1.2	---	---	---	96	---	37	---	8,400	---	---	560	560	<2.0	<2.0	1700
2003101363-10	ACW #04	04-Nov-03	---	---	---	---	---	---	---	---	---	---	---	7,300	---	---	---	---	---	---	---
2004111601-7	ACW #04	09-Nov-04	---	---	---	---	---	---	---	---	---	---	---	22,000	---	---	---	---	---	---	---
2005121523-5	ACW #04	12-Dec-05	---	---	---	---	---	---	---	---	---	---	---	5,490	---	---	---	---	---	---	---
2007030225-6	ACW #04	05-Mar-07	---	---	---	---	---	---	---	---	---	---	---	5,030	---	---	---	---	---	---	---
2007030225-7	ACW #04D	05-Mar-07	---	---	---	---	---	---	---	---	---	---	---	4,750	---	---	---	---	---	---	---
2007111584-6	ACW #04	12-Nov-07	---	---	---	---	---	---	---	---	---	---	---	5,420	---	---	---	---	---	---	---
ACW #05	ACW #05	10-Mar-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #05	ACW #05	17-Jun-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #05	ACW #05	16-Sep-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #05	ACW #05	09-Nov-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #05	ACW #05	21-Apr-94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #05	ACW #05	28-Oct-94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #05	ACW #05	31-Jan-95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #05	ACW #05	16-May-95	0.46	---	39	0.026	---	---	---	6.6	---	57	---	540	---	<0.020	320	---	---	---	980
ACW #05	ACW #05	27-Jun-95	0.34	---	40	0.02	---	---	---	6.9	---	56	---	530	---	<0.020	320	---	---	---	240
ACW #05	ACW #05	30-Aug-95	<0.10	---	36	<0.015	---	---	---	8.7	---	44	---	550	---	<0.020	310	---	---	---	810
ACW #05	ACW #05	06-Feb-96	1.5	---	32	0.026	---	---	---	6.5	---	64	---	580	---	0.015	260	---	---	---	740
ACW #05	ACW #05	06-Feb-96	2	---	32	0.1	---	---	---	8.1	---	66	---	580	---	<0.1	284	---	---	---	730
ACW #05	ACW #05	08-May-96	0.2	---	24	<0.05	---	---	---	8	---	35	---	506	---	<0.05	190	---	---	---	515
ACW #05	ACW #05	13-Aug-96	0.024	---	28	<0.007	---	---	---	6.3	---	58	---	520	---	0.033	320	---	---	---	620
ACW #05	ACW #05	06-Nov-96	0.3	---	25	0.008	---	---	---	6	---	27	---	520	---	0.022	350	---	---	---	560
ACW #05	ACW #05	07-May-97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #05	ACW #05	22-Oct-97	0.5	---	24	<0.01	---	---	---	5	---	26	---	480	---	<0.02	320	---	---	---	---
S98-0183	ACW #05	13-May-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S98-0470	ACW #05	21-Oct-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M99-0020	ACW #05	13-May-99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M99-0196	ACW #05	21-Oct-99	0.15	<0.005	24	0.011	<0.0002	<0.005	<0.02	6.3	---	26.0	<0.005	540	0.0055	0.81	270	270	<25	<25	560
M00-0092	ACW #05	10-May-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M00-0234	ACW #05	02-Nov-00	1.6	<0.05	23	0.032	<0.0002	---	---	6.1	<0.1	34	<0.02	450	---	<0.1	280	280	<25	<25	590
M01-0157	ACW #05	06-May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M01-0481	ACW #05	24-Oct-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002040220-17	ACW #05	30-Apr-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002110896-20	ACW #05	06-Nov-02	0.89	---	23	0.014	---	---	---	13	---	51	---	490	---	---	320	320	<2.0	<2.0	490
2003101363-19	ACW #05	05-Nov-03	---	---	---	---	---	---	---	---	---	---	---	421	---	---	---	---	---	---	---
2004111601-26	ACW #05	12-Nov-04	---	---	---	---	---	---	---	---	---	---	---	411	---	---	---	---	---	---	---
2005121523-13	ACW #05	13-Dec-05	---	---	---	---	---	---	---	---	---	---	---	394	---	---	---	---	---	---	---
2005121523-14	ACW #05D	13-Dec-05	---	---	---	---	---	---	---	---	---	---	---	388	---	---	---	---	---	---	---
2007030225-22	ACW #05	07-Mar-07	---	---	---	---	---	---	---	---	---	---	---	376	---	---	---	---	---	---	---
2007111584-18	ACW #05	14-Nov-07	---	---	---	---	---	---	---	---	---	---	---	422	---	---	---	---	---	---	---
ACW #06	ACW #06	18-Jun-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #06	ACW #06	16-Sep-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #06	ACW #06	08-Nov-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #06	ACW #06	21-Apr-94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #06	ACW #06	28-Oct-94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #06	ACW #06	31-Jan-95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #06	ACW #06	16-May-95	3.9	---	19	0.079	---	---	---	<5.0	---	48	---	2,200	---	<0.020	1,300	---	---	---	200
ACW #06	ACW #06	27-Jun-95	5.8	---	16	0.082	---	---	---	<5.0	---	44	---	3,000	---	<0.080	1,500	---	---	---	130
ACW #06	ACW #06	29-Aug-95	0.54	---	16	0.04	---	---	---	<5.0	---	42	---	2,500	---	<0.020	1,500	---	---	---	200
ACW #06	ACW #06	06-Feb-96	4.6	---	23	0.12	---	---	---	3.6	---	62	---	2,700	---	0.029	1,400	---	---	---	320
ACW #06	ACW #06	06-Feb-96	5	---	21	0.1	---	---	---	3.6	---	50	---	2,400	---	<0.1	1,315	---	---	---	275
ACW #06	ACW #06	08-May-96	4.1	---	21	0.14	---	---	---	4	---	40	---	2,380	---	<0.05	1,396	---	---	---	175
ACW #06	ACW #06	14-Aug-96	4.5	---	23	0.13	---	---	---	3.4	---	60	---	2,900	---	0.024	1,400	---	---	---	310
ACW #06	ACW #06	06-Nov-96	5.3	---	27	0.16	---	---	---	3.8	---	32	---	2,800	---	0.032	1,600	---	---	---	360
ACW #06	ACW #06	06-Nov-96	4	---	22	0.13	---	---	---	3.6	---	27	---	2,400	---	0.019	1,600	---	---	---	310
ACW #06	ACW #06	08-May-97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #06	ACW #06	22-Oct-97	2.6	---	19	0.11	---	---	---	3	---	21	---	2,200	---	<0.02	1,400	---	---	---	---
ACW #06D	ACW #06D	22-Oct-97	2.3	---	19	0.11	---	---	---	3	---	21	---	2,200	---	<0.02	1,400	---	---	---	---

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umho/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l
S98-0181	ACW #06	13-May-98	15	12	<0.50	—	—	—	3.8	—	—	12,000	—	10,000	3,300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0469	ACW #06	21-Oct-98	11	6	3	—	—	—	3	—	—	11,600	8.00	6,530	3,000	74	20.1	<5	25	<0.05	—	—	—	—	1.2	—	64	—	—	<0.0025
M99-0019	ACW #06	13-May-99	—	—	—	—	—	—	—	—	—	11,200	—	6,620	2,900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0195	ACW #06	21-Oct-99	<20	<20	<20	—	—	—	<40	—	—	11,500	8.54	6,170	2,800	230	19.1	<4	28	<0.05	—	0.083	1.7	0.35	1.3	0.0061	69	0.0045	0.0084	<0.0025
M00-0089	ACW #06	10-May-00	—	—	—	—	—	—	—	—	—	10,300	—	6,290	3,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0232	ACW #06	02-Nov-00	<5	<5	<5	—	—	—	<10	—	—	8,520	8.2	4,350	3,100	340	18.4	—	22.9	<0.05	—	—	0.82	0.28	1.5	<0.01	83	<0.01	—	0.016
M01-0156	ACW #06	06-May-01	—	—	—	—	—	—	—	—	—	9,020	—	5,240	2,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0480	ACW #06	24-Oct-01	5.6	<2	<2	—	—	—	18	—	—	8,350	8.2	4,730	2,400	220	19.5	<10	22	<2.5	—	0.180	0.58	0.21	1.3	<0.005	57	<0.01	<0.01	<0.005
2002040220-10	ACW #06	29-Apr-02	—	—	—	—	—	—	—	—	—	8,910	—	4,800	2,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-15	ACW #06	05-Nov-02	18	<10	<10	<20		<10	<30	—	—	7,300	8.49 H	4,400	1,800	150	—	1.5	19	<0.20	—	—	2.4	—	1.5	—	100	—	—	—
2003101363-17	ACW #06	05-Nov-03	8.9	2.9	2.2	—	—	—	3.0 J	—	—	6,960	8.0	2,180	1,490	—	22.4	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-28	ACW #06	12-Nov-04	<10	<10	<10	—	—	—	<20	—	—	5,970	7.5	3,430	1,060	—	21.1	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-29	ACW #06D	12-Nov-04	<10	<10	<10	—	—	—	<20	—	—	—	—	3,490	1,230	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-11	ACW #06	13-Dec-05	<20	<20	<20	—	—	—	<60	—	—	5,910	8.3	3,340	1,160	—	20.5	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-23	ACW #06	07-Mar-07	7	<1	1.5	2		<1	2	—	—	4,860	7.9	3,160	1,120	—	21.6	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-14	ACW #06	13-Nov-07	7.6	<1	2.1	2.2		<1	2.2	—	—	4,530	8.3	3,060	1,080	—	21.6	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #07	ACW #07	07-May-97	7.3	2.5	3.1	—	—	—	1.7	—	—	13,200	—	8,100	3,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #07	ACW #07	22-Oct-97	6.4	3.4	3	—	—	—	3	—	—	13,800	7.3	7,500	4,400	50	—	4	4	<0.05	—	—	—	—	0.6	—	200	—	—	<0.01
S98-0182	ACW #07	13-May-98	7.0	3.2	2.1*	—	—	—	1.7*	—	—	14,000	—	11,000	4,300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0467	ACW #07	21-Oct-98	8	3	2	—	—	—	<2	—	—	14,000	7.05	8,290	4,400	130	20.3	<5	3.8	<0.05	—	—	—	—	0.77	—	220	—	—	<0.0025
M99-0017	ACW #07	12-May-99	—	—	—	—	—	—	—	—	—	14,300	—	7,420	4,900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0194	ACW #07	21-Oct-99	7.2	5.3	2.4	—	—	—	<4	—	—	14,700	7.05	8,010	4,800	160	18.7	<4	3.4	<0.05	—	0.11	0.091	1.2	0.79	<0.002	270	<0.005	<0.005	<0.0025
M00-0088	ACW #07	10-May-00	—	—	—	—	—	—	—	—	—	14,900		8,900	7,100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0231	ACW #07	02-Nov-00	<5	<5	<5	—	—	—	<10	—	—	12,500	7.1	8,400	5,100	200	19.0	<20	3.0	<0.05	—	—	<0.1	0.94	0.75	<0.01	240	0.012	—	0.0052
M01-0152	ACW #07	06-May-01	—	—	—	—	—	—	—	—	—	16,400	—	8,980	6,800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0153	ACW #07D	06-May-01	—	—	—	—	—	—	—	—	—	16,300	—	9,640	6,500	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0477	ACW #07	24-Oct-01	7.4	<2	<2	—	—	—	2.4	—	—	17,400	7.11 H	9,180	8,500	110	21.0	<20	2.9	<5	—	0.29	<0.1	1.30	0.74	<0.005	230	0.012	<0.01	<0.005
2002040220-14	ACW #07	30-Apr-02	—	—	—	—	—	—	—	—	—	17,400	—	9,120	6,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-16	ACW #07	05-Nov-02	12	1.1	2.4	<2.0		<1.0	<3.0	—	—	14,000	7.18 H	8,900	5,200	120	—	1.5	<0.40	<0.20	—	—	0.070	—	0.74	—	260	—	—	—
2003101363-18	ACW #07	05-Nov-03	19.3	1.3 J	4.7	—	—	—	2.4 J	—	—	13,750	6.9	2,050	5,650	—	23.64	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-27	ACW #07	12-Nov-04	14.0	0.54 J	3.2	—	—	—	1.3	—	—	14,290	6.7	10,400	5,610	—	20	—	—	—	—	—	—	—	—	—	—	—	—	—
2005050586-7	ACW #07	24-May-05	17.8	<2.0	3.7	—	—	—	3.1 J	—	—	16,460	6.9	11,667	5,515	—	23.1	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-12	ACW #07	13-Dec-05	16.4	<10	5.1 J	—	—	—	<30	—	—	16,690	6.9	9,900	4,940	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—
2006050558-8	ACW #07	09-May-06	18.1	<2.0	4.7	—	—	—	<6.0	—	—	16,220	7.0	5,300	6,030	—	24.2	—	—	—	—	—	—	—	—	—	—	—	—	—
2006081053-8	ACW #07	23-Aug-06	14.6	<2.0	4.3	—	—	—	<6.0	—	—	16,020	7.0	<1000 (9,940 R H)	5,890	—	24.7	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-24	ACW #07	07-Mar-07	17	<1	6.1	1.5		<1	1.5	—	—	15,580	7.0	9,980	5,810	—	20.1	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-15	ACW #07	13-Nov-07	21	<1	7	1.3		<1	1.3	—	—	15,080	7.0	9,620	5,660	—	20.1	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #08	ACW #08	06-May-97	99	10	4.1	—	—	—	3.9	—	—	89,200	—	50,000	29,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #08	ACW #08	21-Nov-97	36	3.9	2	—	—	—	14	—	—	49,200	7.0	29,000	17,000	800	—	<5	0.6	<0.5	—	—	—	—	0.6	—	440	—	—	<0.01
S98-0173	ACW #08	12-May-98	37	4.5	2.9	—	—	—	1.6	—	—	48,000	—	28,000	34,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0459	ACW #08	20-Oct-98	140	13	6	—	—	—	6	—	—	44,200	6.79	28,700	24,000	740	17.9	<10	0.82	<0.05	—	—	—	—	0.62	—	370	—	—	<0.0025
M99-0010	ACW #08	11-May-99	—	—	—	—	—	—	—	—	—	52,500	—	29,800	21,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0186	ACW #08	19-Oct-99	32	6.2	3.7	—	—	—	<4	—	—	36,400	7.09	17,700	15,000	580	20.5	<10	0.86	<0.05	—	<0.025	<0.005	0.11	0.83	<0.002	500	<0.005	<0.005	<0.0025
M00-0086	ACW #08	09-May-00	—	—	—	—	—	—	—	—	—	62,900	—	41,800	32,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0218	ACW #08	26-Oct-00	15	<2	2.1	—	—	—	10	—	—	36,300	6.85	26,000	17,000	740	15.0	<2	0.92	<1	—	—	<0.1	0.15	0.79	<0.01	440	<0.01	—	<0.005
M01-0134	ACW #08	01-May-01	—	—	—	—	—	—	—	—	—	51,300	—	28,200	25,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0475	ACW #08	23-Oct-01	41	5	3.1	—	—	—	<2	—	—	33,400	7.02	20,000	11,000	590	21.6	<20	1.1	<10	—	<0.05	<0.1	0.12	0.62	<0.005	410	<0.01	<0.01	<0.005
2002040220-08	ACW #08	29-Apr-02	—	—	—	—	—	—	—	—	—	69,400	—	53,400	30,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-10	ACW #08	04-Nov-02	10	1.5	1.2	<2.0		<1.0	<3.0	—	—	11,000	7.60 H	6,200	3,900	260	—	<0.50	<0.40	0.93 H	—	—	0.0055	—	0.27	—	140	—	—	—
2003101363-4	ACW #08	03-Nov-03	7.0	<2.0	<2.0	—	—	—	<6.0	—	—	12,330	6.7	8,670	5,350	—	21.2	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-9	ACW #08	09-Nov-04	25.3	2.1	1.6	—	—	—	1.2 J	—	—	16,200	6.9	10,100	6,280	—	21.4	—	—	—	—	—	—	—	—	—	—	—	—	—
2005050586-6	ACW #08 (SPL)	23-May-05	80	13	<5	<5	<5	<5	<5	—	—	61,480	6.6	—	—	—	23.8	—	—	—	—	—	—	—	—	—	—	—	—	—
2005050586-6	ACW #08 (Accutest)	23-May-05	81.9	13.0	4.0	—	—	—	6.0	—	—	61,480	6.6	41,700	22,100	—	23.8	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-25	ACW #08	14-Dec-05	98.4	11.1	19.4	—	—	—	8.2	—	—	50,100	6.6	29,000	14,200	—	17.7	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-14	ACW #08	06-Mar-07	100	110	870	77		25	102	—	—	32,800	6.7	19,400	11,300	—	19.1	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-8	ACW #08	12-Nov-07	86	36	200	51		14	65	—	—	34,500	6.8	21,700	12,700	—	20.5	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-9	ACW #08D	12-Nov-07	85	36	200	49		14	63	—	—	—	—	22,000	12,700	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #09	ACW #09	17-Jun-93	—	—	—	—	—	—	—	—	—	5,900	—	4,435	2,288	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #09	ACW #09	14-Sep-93	—	—	—	—	—	—	—	—	—	3,100	—	2,119	915	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #09	ACW #09	09-Nov-93	—	—	—	—	—	—	—	—	—	3,670	—	2,300	1,184	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #09	ACW #09	22-Apr-94	—	—	—	—	—	—	—	—	—	3,900	—	2,508	1,150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #09	ACW #09	01-Dec-94	—	—	—	—	—	—	—	—	—	5,450	—	3,510	1,650	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #09	ACW #09	31-Jan-95	—	—	—	—	—	—	—	—	—	7,110	—	4,240	2,083	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #09	ACW #09	17-May-95	<5	22	<5	<5	<5	<5	<15	—	—	11,000	6.6	6,800	5,600	440	—	2.1	<1.0	<2.0	—	—	—	—	0.4	—	820	—	—	<0.025
ACW #09	ACW #09	28-Jun-95	<2.5	<2.5	<2.5	—	—	—	<5.0	—	—	9,100	7.0	6,200	3,500	360	—	1.9	<1.0	<2.0	—	—	—	—	0.4	—	770	—	—	<0.025
ACW #09	ACW #09	30-Aug-95	<5	<10	<5	—	—	—	<15	—	—	7,150	6.5	4,500	2,500	370	—	1.5	<10	<20	—	—	—	—	0.4	—	640	—	—	<0.025

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as $CaCO_3$), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as $CaCO_3$), mg/l
S98-0181	ACW #06	13-May-98	---	---	---	---	---	---	---	---	---	0.56	---	---	---	---	---	---	---	---	---
S98-0469	ACW #06	21-Oct-98	2.4	---	23	0.099	---	---	---	2.7	---	22	---	2,640	---	<0.05	1,600	1,600	<25	<25	250
M99-0019	ACW #06	13-May-99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M99-0195	ACW #06	21-Oct-99	2.2	<0.005	19	0.087	<0.0002	0.080	0.030	2.3	---	29	<0.005	2,900	<0.005	<0.05	1,500	1,400	130	<25	250
M00-0089	ACW #06	10-May-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M00-0232	ACW #06	02-Nov-00	9.7	<0.05	22	0.13	<0.0002	---	---	6.9	<0.1	30	<0.02	710	---	<0.1	1,200	1,200	14	<25	300
M01-0156	ACW #06	06-May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M01-0480	ACW #06	24-Oct-01	1.8	<0.05	16	0.081	<0.0002	0.052	<0.04	2.9	<0.1	35	<0.02	1,900	<0.005	<0.1	1,100	1,100	<25	<25	210
2002040220-10	ACW #06	29-Apr-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002110896-15	ACW #06	05-Nov-02	9.0	---	13	0.12	---	---	---	11	---	110	---	2,100	---	---	1400	1400	<2.0	<2.0	320
2003101363-17	ACW #06	05-Nov-03	---	---	---	---	---	---	---	---	---	---	---	1,440	---	---	---	---	---	---	---
2004111601-28	ACW #06	12-Nov-04	---	---	---	---	---	---	---	---	---	---	---	1,190	---	---	---	---	---	---	---
2004111601-29	ACW #06D	12-Nov-04	---	---	---	---	---	---	---	---	---	---	---	1,260	---	---	---	---	---	---	---
2005121523-11	ACW #06	13-Dec-05	---	---	---	---	---	---	---	---	---	---	---	1,420	---	---	---	---	---	---	---
2007030225-23	ACW #06	07-Mar-07	---	---	---	---	---	---	---	---	---	---	---	1,140	---	---	---	---	---	---	---
2007111584-14	ACW #06	13-Nov-07	---	---	---	---	---	---	---	---	---	---	---	1,130	---	---	---	---	---	---	---
ACW #07	ACW #07	07-May-97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #07	ACW #07	22-Oct-97	14.4	---	80	0.2	---	---	---	3	---	18	---	2,500	---	<0.2	730	---	---	---	---
S98-0182	ACW #07	13-May-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S98-0467	ACW #07	21-Oct-98	15	---	91	0.15	---	---	---	4.3	---	23	---	3,100	---	<0.05	830	830	<25	<25	920
M99-0017	ACW #07	12-May-99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M99-0194	ACW #07	21-Oct-99	14	<0.005	93	0.13	<0.0002	0.025	<0.02	3.8	---	23	<0.005	3,300	<0.005	<0.05	870	870	<25	<25	1000
M00-0088	ACW #07	10-May-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M00-0231	ACW #07	02-Nov-00	12	<0.05	87	0.11	<0.0002	---	---	4.2	<0.1	31	<0.02	710	---	<0.1	840	840	<25	<25	960
M01-0152	ACW #07	06-May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M01-0153	ACW #07D	06-May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M01-0477	ACW #07	24-Oct-01	15	0.075	100	0.11	<0.0002	0.025	<0.04	4.2	<0.1	43	<0.02	3,600	<0.005	<0.1	820	820	<25	<25	990
2002040220-14	ACW #07	30-Apr-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002110896-16	ACW #07	05-Nov-02	13	---	100	0.12	---	---	---	15	---	51	---	3,600	---	---	870	870	<2.0	<2.0	1,100
2003101363-18	ACW #07	05-Nov-03	---	---	---	---	---	---	---	---	---	---	---	3,180	---	---	---	---	---	---	---
2004111601-27	ACW #07	12-Nov-04	---	---	---	---	---	---	---	---	---	---	---	3,140	---	---	---	---	---	---	---
2005050586-7	ACW #07	24-May-05	---	---	---	---	---	---	---	---	---	---	---	3,707	---	---	---	---	---	---	---
2005121523-12	ACW #07	13-Dec-05	---	---	---	---	---	---	---	---	---	---	---	3,600	---	---	---	---	---	---	---
2006050558-8	ACW #07	09-May-06	---	---	---	---	---	---	---	---	---	---	---	2,720	---	---	---	---	---	---	---
2006081053-8	ACW #07	23-Aug-06	---	---	---	---	---	---	---	---	---	---	---	3,170	---	---	---	---	---	---	---
2007030225-24	ACW #07	07-Mar-07	---	---	---	---	---	---	---	---	---	---	---	3,450	---	---	---	---	---	---	---
2007111584-15	ACW #07	13-Nov-07	---	---	---	---	---	---	---	---	---	---	---	3,410	---	---	---	---	---	---	---
ACW #08	ACW #08	06-May-97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #08	ACW #08	21-Nov-97	1.3	---	210	2.2	---	---	---	57	---	19	---	9,300	---	<0.02	520	---	---	---	---
S98-0173	ACW #08	12-May-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S98-0459	ACW #08	20-Oct-98	1.5	---	200	1.7	---	---	---	46	---	19	---	11,000	---	<0.05	430	430	<25	<25	1,700
M99-0010	ACW #08	11-May-99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M99-0186	ACW #08	19-Oct-99	2.7	<0.005	230	2.4	<0.0002	0.031	<0.02	99	---	16	<0.005	12,000	0.048	<0.05	490	490	<25	<25	2,300
M00-0086	ACW #08	09-May-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M00-0218	ACW #08	26-Oct-00	3.3	<0.05	220	2.1	<0.0002	---	---	69	<0.1	24	<0.02	3,600	---	<0.1	410	410	<25	<25	2,000
M01-0134	ACW #08	01-May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M01-0475	ACW #08	23-Oct-01	2.6	0.12	200	1.9	<0.0002	<0.01	<0.04	58	<0.1	26	<0.02	11,000	0.037	<0.1	350	350	<25	<25	1,800
2002040220-08	ACW #08	29-Apr-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002110896-10	ACW #08	04-Nov-02	1.5	---	53	0.48	---	---	---	51	---	23	---	3,000	---	---	210	210	<2.0	<2.0	570
2003101363-4	ACW #08	03-Nov-03	---	---	---	---	---	---	---	---	---	---	---	2,850	---	---	---	---	---	---	---
2004111601-9	ACW #08	09-Nov-04	---	---	---	---	---	---	---	---	---	---	---	2,420	---	---	---	---	---	---	---
2005050586-6	ACW #08 (SPL)	23-May-05	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2005050586-6	ACW #08 (Accutest)	23-May-05	---	---	---	---	---	---	---	---	---	---	---	14,600	---	---	---	---	---	---	---
2005121523-25	ACW #08	14-Dec-05	---	---	---	---	---	---	---	---	---	---	---	12,400	---	---	---	---	---	---	---
2007030225-14	ACW #08	06-Mar-07	---	---	---	---	---	---	---	---	---	---	---	7,080	---	---	---	---	---	---	---
2007111584-8	ACW #08	12-Nov-07	---	---	---	---	---	---	---	---	---	---	---	7,610	---	---	---	---	---	---	---
2007111584-9	ACW #08D	12-Nov-07	---	---	---	---	---	---	---	---	---	---	---	7,580	---	---	---	---	---	---	---
ACW #09	ACW #09	17-Jun-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #09	ACW #09	14-Sep-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #09	ACW #09	09-Nov-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #09	ACW #09	22-Apr-94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #09	ACW #09	01-Dec-94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #09	ACW #09	31-Jan-95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #09	ACW #09	17-May-95	0.17	---	280	1	---	---	---	16	---	49	---	910	---	0.025	320	---	---	---	4,500
ACW #09	ACW #09	28-Jun-95	0.28	---	250	0.98	---	---	---	15	---	51	---	1,000	---	<0.020	300	---	---	---	2,700
ACW #09	ACW #09	30-Aug-95	0.19	---	220	0.86	---	---	---	14	---	43	---	880	---	<0.040	240	---	---	---	2,000

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umho/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO_3, mg/l	Aluminum, mg/l	Arsenic, mg/l	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l
ACW #09	ACW #09	07-Feb-96	1.8	<1.0	<1.0	—	—	—	<2.0	—	—	7,500	7.7	5,400	2,400	320	—	1.5	0.16	0.039	—	—	—	—	0.4	—	570	—	—	<0.006
ACW #09	ACW #09	07-Feb-96	<2.5	<2.5	<2.5	—	—	—	<7.5	—	—	7,450	6.8	4,620	2,300	341	—	1.85	0.36	<1.25	—	—	—	—	0.4	—	600	—	—	<0.1
ACW #09	ACW #09	08-May-96	<1.0	<1.0	<1.0	—	—	—	<3.0	—	—	7,530	6.8	4,210	2,210	322	—	3	0.35	<1.25	—	—	—	—	0.5	—	508	—	—	0.01
ACW #09	ACW #09	14-Aug-96	1.4	1.6	<1.0	—	—	—	<2.0	—	—	4,400	7.4	3,600	1,200	180	—	1.2	1.4	0.13	—	—	—	—	0.4	—	490	—	—	<0.006
ACW #09	ACW #09	07-Nov-96	2.3	2.2	<1.0	—	—	—	<2.0	—	—	4,200	7.3	3,100	1,200	—	—	—	1.1	0.055	—	—	—	—	0.3	—	360	—	—	<0.007
ACW #09	ACW #09	19-Feb-97	1.3	4.0	10	—	—	—	42	—	—	4,110	—	2,500	1,260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #09	ACW #09	08-May-97	2.6	2.6	1.4	—	—	—	1.7	—	—	2,800	—	2,100	830	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #09	ACW #09	23-Oct-97	<0.5	<0.5	<0.5	—	—	—	<1.0	—	—	3,380	7.2	1,600	880	130	—	13	12	<0.05	—	—	—	—	0.2	—	270	—	—	<0.01
SG98-0185	ACW #09	13-May-98	<0.50	<0.50	<0.50	—	—	—	<1.0	—	—	4,500	—	1,600	—	—	—	—	1.1	—	—	—	—	—	—	—	—	—	—	—
SG98-0472	ACW #09	21-Oct-98	6	<2	<2	—	—	—	<2	—	—	13,200	6.49	8,980	4,100	440	20.8	<5	0.40	<0.05	—	—	—	—	0.49	—	1,200	—	—	<0.0025
M99-0022	ACW #09	13-May-99	—	—	—	—	—	—	—	—	—	11,100	—	6,400	3,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0199	ACW #09	22-Oct-99	<2	<2	<2	—	—	—	<2	—	—	8,580	6.78	5,950	2,900	280	19.6	<4	0.71	<0.05	—	0.030	0.0066	0.13	0.43	<0.002	820	<0.005	<0.005	<0.0025
M00-0100	ACW #09	12-May-00	—	—	—	—	—	—	—	—	—	7,830	—	4,810	2,500	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0101	ACW #09D	12-May-00	—	—	—	—	—	—	—	—	—	7,960	—	4,930	3,100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0237	ACW #09	03-Nov-00	<2	<2	<2	—	—	—	<4	—	—	7,630	6.8	5,860	3,000	230	19.0	<20	0.68	<0.05	—	—	<0.1	0.14	0.57	<0.01	500	<0.01	—	0.0062
M00-0238	ACW #09D	03-Nov-00	<2	<2	<2	—	—	—	<4	—	—	7,620	6.8	11,200	2,900	260	19.1	<20	0.66	<0.05	—	—	<0.1	0.13	0.57	<0.01	490	<0.01	—	0.0073
M01-0147	ACW #09	06-May-01	—	—	—	—	—	—	—	—	—	8,300	—	4,640	2,800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0483	ACW #09	25-Oct-01	<2	<2	<2	—	—	—	2	—	—	7,820	6.8 H	4,390	4,000	200	20.1	<5	0.88	<1.25	—	<0.05	<0.1	0.10	0.46	<0.005	280	<0.01	<0.01	<0.005
M01-0484	ACW #09D	25-Oct-01	<2	<2	<2	<2	<2	<6	—	—	—	7,700	6.84 H	4,400	3,700	190	19.9	<5	0.99	<1.25	—	0.075	<0.1	0.11	0.49	<0.005	290	<0.01	<0.01	<0.005
20020402 20-19	ACW #09	01-May-02	—	—	—	—	—	—	—	—	—	8,160	—	3,800	2,900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20020402 20-20	ACW #09D	01-May-02	—	—	—	—	—	—	—	—	—	7,070	—	3,760	2,500	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20021108 96-21	ACW #09	06-Nov-02	1.1	<1.0	<1.0	<2.0	<1.0	<3.0	—	—	—	7,800	6.87 H	3,700	1,800	220	—	1.8	0.47	0.22	—	—	0.0082	—	0.60	—	260	—	—	—
20031013 63-23	ACW #09	06-Nov-03	<2.0	<2.0	<2.0	—	—	<6.0	—	—	—	5,280	6.8	3,830	1,820	—	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—
20041116 01-17	ACW #09	10-Nov-04	0.82 J	<1.0	<1.0	—	—	<2.0	—	—	—	8,540	6.5	4,680	2,150	—	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—
20051215 23-19	ACW #09	14-Dec-05	<2.0	<2.0	<2.0	—	—	<6.0	—	—	—	5,970	6.7	3,100	1,350	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—
20070302 25-25	ACW #09	07-Mar-07	<1	<1	<1	<1	<1	<1	—	—	—	6,060	6.9	4,420	2,210	—	21.5	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-24	ACW #09	15-Nov-07	<1	<1	<1	<1	<1	<1	—	—	—	5,900	7.0	2,870	1,290	—	19.3	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #10	ACW #10	18-Jun-93	—	—	—	—	—	—	—	—	—	1,061	—	701	1,027	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #10	ACW #10	14-Sep-93	—	—	—	—	—	—	—	—	—	1,349	—	1,190	421	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #10	ACW #10	09-Nov-93	—	—	—	—	—	—	—	—	—	1,800	—	1,238	420	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #10	ACW #10	22-Apr-94	—	—	—	—	—	—	—	—	—	2,440	—	1,538	700	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #10	ACW #10	28-Oct-94	—	—	—	—	—	—	—	—	—	2,592	—	1,694	600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #10	ACW #10	01-Feb-95	—	—	—	—	—	—	—	—	—	2,660	—	1,426	619	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #10	ACW #10	17-May-95	<5	<10	<5	<5	<5	<5	<15	—	—	3,900	6.9	2,300	1,600	300	—	1.1	<1.0	1.1	—	—	—	—	0.3	—	320	—	—	<0.025
ACW #10	ACW #10	28-Jun-95	<2.5	<2.5	<2.5	—	—	—	<5.0	—	—	3,100	7.3	2,300	1,900	230	—	0.98	<1.0	<2.0	—	—	—	—	0.3	—	280	—	—	<0.025
ACW #10	ACW #10	30-Aug-95	<5	<10	<5	—	—	—	<15	—	—	3,100	7.0	2,200	790	210	—	0.9	<10	<20	—	—	—	—	0.2	—	280	—	—	<0.025
ACW #10	ACW #10	07-Feb-96	3.9	<1.0	<1.0	—	—	—	<2.0	—	—	3,200	7.8	2,300	850	230	—	0.88	0.24	0.42	—	—	—	—	0.3	—	320	—	—	<0.006
ACW #10	ACW #10	07-Feb-96	4.3	<2.5	<2.5	—	—	—	<7.5	—	—	3,100	7.1	2,100	829	242	—	<1.25	0.44	<1.25	—	—	—	—	0.3	—	320	—	—	<0.1
ACW #10	ACW #10	08-May-96	1.22	<1.0	<1.0	—	—	—	<3.0	—	—	2,322	7.2	1,290	603	190	—	4.5	0.46	2.2	—	—	—	—	<0.5	—	206	—	—	<0.01
ACW #10	ACW #10	14-Aug-96	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	2,400	7.6	1,900	560	160	—	0.82	1.4	0.58	—	—	—	—	0.3	—	210	—	—	<0.006
ACW #10	ACW #10	07-Nov-96	1.2	1.5	<1.0	—	—	—	<2.0	—	—	250	7.5	1,800	610	170	—	0.83	1.1	0.49	—	—	—	—	0.2	—	200	—	—	<0.007
ACW #10	ACW #10	08-May-97	1.3	1	<0.5	—	—	—	<1.0	—	—	1,880	—	1,500	480	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #10	ACW #10	23-Oct-97	1.14	1.17	<0.5	—	—	—	0.58	—	—	2,870	7.2	1,500	670	210	—	1.2	1	0.36	—	—	—	—	0.2	—	220	—	—	<0.01
SG98-0187	ACW #10	14-May-98	—	—	—	—	—	—	—	—	—	2,400	—	1,200	640	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SG98-0473	ACW #10	22-Oct-98	<2	<2	<2	<2	<2	<6	—	—	—	2,900	7.06	1,960	800	210	20.8	<2	0.90	0.83	—	—	—	—	0.29	—	300	—	—	<0.0025
M99-0023	ACW #10	13-May-99	—	—	—	—	—	—	—	—	—	2,810	—	1,660	730	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0201	ACW #10	22-Oct-99	<2	<2	<2	<2	<2	<6	—	—	—	2,470	7.23	1,720	660	160	19.4	<2	1.2	0.62	—	0.037	0.010	0.091	0.26	<0.002	260	<0.005	<0.005	<0.0025
M00-0099	ACW #10	11-May-00	—	—	—	—	—	—	—	—	—	3,620	—	2,430	1,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0243	ACW #10	06-Nov-00	<2	<2	<2	—	—	<4	—	—	—	3,100	7.1	2,840	980	220	16.4	<2	1.0	<1	—	—	<0.1	0.15	0.37	<0.01	470	<0.01	—	0.0061
M01-0158	ACW #10	06-May-01	—	—	—	—	—	—	—	—	—	3,660	—	2,360	1,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0487	ACW #10	25-Oct-01	<2	<2	<2	<2	<2	<6	—	—	—	3,350	7.02	2,270	930	220	19.8	2.1	1.0	<0.5	—	0.057	<0.1	0.10	0.30	<0.005	300	<0.01	<0.01	<0.005
20020402 20-21	ACW #10	01-May-02	—	—	—	—	—	—	—	—	—	3,440	—	1,970	1,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20021108 96-25	ACW #10	08-Nov-02	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	—	—	—	2,600	7.15 H	2,000	740	250	—	0.64	1.4	0.86	—	—	0.0086	—	0.27	—	290	—	—	—
20031013 63-21	ACW #10	06-Nov-03	<2.0	<2.0	<2.0	—	—	<6.0	—	—	—	2,580	6.6	2,160	795	—	18.7	—	—	—	—	—	—	—	—	—	—	—	—	—
20041116 01-21	ACW #10	11-Nov-04	0.51 J	<1.0	<1.0	—	—	<2.0	—	—	—	2,670	6.7	1,990	720	—	19.2	—	—	—	—	—	—	—	—	—	—	—	—	—
20051215 23-20	ACW #10	14-Dec-05	<2.0	<2.0	<2.0	—	—	<6.0	—	—	—	3,000	6.9	1,640	638	—	19.1	—	—	—	—	—	—	—	—	—	—	—	—	—
20070302 25-27	ACW #10	08-Mar-07	<1	<1	<1	<1	<1	<1	—	—	—	2,860	6.8	2,240	793	—	18.5	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-22	ACW #10	14-Nov-07	<1	<1	<1	<1	<1	<1	—	—	—	2,810	6.7	2,070	802	—	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #11	ACW #11	19-Jun-93	—	—	—	—	—	—	—	—	—	25,000	—	18,670	9,737	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #11	ACW #11	15-Sep-93	—	—	—	—	—	—	—	—	—	10,570	—	6,820	3,437	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #11	ACW #11	09-Nov-93	—	—	—	—	—	—	—	—	—	10,160	—	6,592	3,620	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #11	ACW #11	21-Apr-94	—	—	—	—	—	—	—	—	—	16,290	—	9,520	6,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #11	ACW #11	27-Oct-94	—	—	—	—	—	—	—	—	—	20,060	—	13,280	6,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #11	ACW #11	27-Oct-94	—	—	—	—	—	—	—	—	—	20,550	—	12,900	6,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #11	ACW #11	01-Feb-95	—	—	—	—	—	—	—	—	—	32,200	—	19,880	11,582	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #11	ACW #11	17-May-95	<5	<10	<5	—	—	<15	—	—	—	12,000	6.8	7,200	4,400	250	—	1.9	<10	<2.0	—	—	—	—	0.3	—	740	—	—	<0.025
ACW #11	ACW #11	27-Jun-95	5.1	<2.5	<2.5	—	—	—	<5.0	—	—	11,000	7.2	7,000	6,500	210	—	1.6	<10	<2.0	—	—	—	—	0.4	—	720	—	—	<0.025
ACW #11	ACW #11	29-Aug-95	8	<10	<5	<5	<5	<5	<15	—	—	10,000	6.8	6,000	3,400	220	—	2.2	6.2	<2.0	—	—	—	—	0.3	—	550	—	—	<0.025

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as $CaCO_3$), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as $CaCO_3$), mg/l
ACW #09	ACW #09	07-Feb-96	0.48	---	180	0.71	---	---	---	14	---	47	---	810	---	<0.010	300	---	---	---	2,200
ACW #09	ACW #09	07-Feb-96	0.4	---	175	0.7	---	---	---	16	---	56	---	810	---	<0.1	291	---	---	---	2,220
ACW #09	ACW #09	08-May-96	0.4	---	183	0.49	---	---	---	17	---	60	---	687	---	<0.05	209	---	---	---	2,020
ACW #09	ACW #09	14-Aug-96	0.66	---	160	0.65	---	---	---	13	---	53	---	730	---	0.027	220	---	---	---	1,900
ACW #09	ACW #09	07-Nov-96	0.4	---	110	0.44	---	---	---	10	---	---	---	510	---	0.029	---	---	---	---	---
ACW #09	ACW #09	19-Feb-97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #09	ACW #09	08-May-97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #09	ACW #09	23-Oct-97	0.6	---	84	0.31	---	---	---	10	---	17	---	320	---	0.05	200	---	---	---	---
S98-0185	ACW #09	13-May-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S98-0472	ACW #09	21-Oct-98	0.63	---	400	1.4	---	---	---	25	---	31	---	1,400	---	<0.05	340	340	<25	<25	4,600
M99-0022	ACW #09	13-May-99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M99-0199	ACW #09	22-Oct-99	0.96	<0.005	230	0.80	<0.0002	0.0062	<0.02	22	---	29	<0.005	990	0.032	<0.05	270	270	<25	<25	3,000
M00-0100	ACW #09	12-May-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M00-0101	ACW #09D	12-May-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M00-0237	ACW #09	03-Nov-00	1.4	<0.05	160	0.43	<0.0002	---	---	18	<0.1	32	<0.02	670	---	<0.1	500	500	<25	<25	1,900
M00-0238	ACW #09D	03-Nov-00	1.4	<0.05	150	0.42	<0.0002	---	---	18	<0.1	31	<0.02	630	---	<0.1	510	510	<25	<25	1,900
M01-0147	ACW #09	06-May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M01-0483	ACW #09	25-Oct-01	1.2	0.058	89	0.22	<0.0002	<0.01	<0.04	14	<0.1	36	<0.02	1,200	0.034	<0.1	460	460	<25	<25	1,100
M01-0484	ACW #09D	25-Oct-01	1.3	0.067	96	0.23	<0.0002	<0.01	<0.04	14	<0.1	36	<0.02	1,300	0.036	<0.1	440	440	<25	<25	1,100
2002040220-19	ACW #09	01-May-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002040220-20	ACW #09D	01-May-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002110896-21	ACW #09	06-Nov-02	1.9	---	97	0.19	---	---	---	33	---	48	---	1,400	---	---	600	600	<2.0	<2.0	1,000
2003101363-23	ACW #09	06-Nov-03	---	---	---	---	---	---	---	---	---	---	---	1,430	---	---	---	---	---	---	---
2004111601-17	ACW #09	10-Nov-04	---	---	---	---	---	---	---	---	---	---	---	1,220	---	---	---	---	---	---	---
2005121523-19	ACW #09	14-Dec-05	---	---	---	---	---	---	---	---	---	---	---	941	---	---	---	---	---	---	---
2007030225-25	ACW #09	07-Mar-07	---	---	---	---	---	---	---	---	---	---	---	935	---	---	---	---	---	---	---
2007111584-24	ACW #09	15-Nov-07	---	---	---	---	---	---	---	---	---	---	---	796	---	---	---	---	---	---	---
ACW #10	ACW #10	18-Jun-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #10	ACW #10	14-Sep-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #10	ACW #10	09-Nov-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #10	ACW #10	22-Apr-94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #10	ACW #10	28-Oct-94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #10	ACW #10	01-Feb-95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #10	ACW #10	17-May-95	0.12	---	110	0.037	---	---	---	8	---	43	---	170	---	<0.020	190	---	---	---	1,300
ACW #10	ACW #10	28-Jun-95	0.28	---	94	0.029	---	---	---	7.5	---	46	---	160	---	<0.020	190	---	---	---	1,200
ACW #10	ACW #10	30-Aug-95	<0.20	---	95	0.034	---	---	---	52	---	42	---	150	---	<0.040	180	---	---	---	1,100
ACW #10	ACW #10	07-Feb-96	0.24	---	110	0.032	---	---	---	8.4	---	36	---	190	---	0.011	200	---	---	---	1,200
ACW #10	ACW #10	07-Feb-96	0.4	---	107	<0.1	---	---	---	9.4	---	54	---	190	---	<0.1	194	---	---	---	1,240
ACW #10	ACW #10	08-May-96	0.1	---	92	<0.05	---	---	---	8	---	62	---	127	---	<.05	137	---	---	---	893
ACW #10	ACW #10	14-Aug-96	0.14	---	71	0.019	---	---	---	7	---	47	---	140	---	0.037	170	---	---	---	810
ACW #10	ACW #10	07-Nov-96	0.22	---	70	0.017	---	---	---	7.4	---	20	---	150	---	0.025	170	---	---	---	800
ACW #10	ACW #10	08-May-97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #10	ACW #10	23-Oct-97	0.2	---	71	0.02	---	---	---	6	---	20	---	140	---	<0.02	200	---	---	---	---
S98-0187	ACW #10	14-May-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S98-0473	ACW #10	22-Oct-98	0.099	---	110	0.0068	---	---	---	9.0	---	27	---	180	---	<0.05	180	180	<25	<25	1,200
M99-0023	ACW #10	13-May-99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M99-0201	ACW #10	22-Oct-99	0.26	<0.005	84	0.020	<0.0002	<0.005	<0.02	7.9	---	19	<0.005	170	0.013	<0.05	160	160	<25	<25	1,000
M00-0099	ACW #10	11-May-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M00-0243	ACW #10	06-Nov-00	0.27	<0.05	140	0.026	<0.0002	---	---	16	<0.1	30	<0.02	330	---	<0.1	180	180	<25	<25	1,800
M01-0158	ACW #10	06-May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M01-0487	ACW #10	25-Oct-01	0.19	0.068	95	0.021	<0.0002	<0.01	<0.04	9.6	<0.1	35	<0.02	180	0.028	<0.1	160	160	<25	<25	1,100
2002040220-21	ACW #10	01-May-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002110896-25	ACW #10	08-Nov-02	0.22	---	110	0.016	---	---	---	15	---	55	---	270	---	---	180	180	<2.0	<2.0	1,200
2003101363-21	ACW #10	06-Nov-03	---	---	---	---	---	---	---	---	---	---	---	182	---	---	---	---	---	---	---
2004111601-21	ACW #10	11-Nov-04	---	---	---	---	---	---	---	---	---	---	---	176	---	---	---	---	---	---	---
2005121523-20	ACW #10	14-Dec-05	---	---	---	---	---	---	---	---	---	---	---	162	---	---	---	---	---	---	---
2007030225-27	ACW #10	08-Mar-07	---	---	---	---	---	---	---	---	---	---	---	202	---	---	---	---	---	---	---
2007111584-22	ACW #10	14-Nov-07	---	---	---	---	---	---	---	---	---	---	---	187	---	---	---	---	---	---	---
ACW #11	ACW #11	19-Jun-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #11	ACW #11	15-Sep-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #11	ACW #11	09-Nov-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #11	ACW #11	21-Apr-94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #11	ACW #11	27-Oct-94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #11	ACW #11	27-Oct-94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #11	ACW #11	01-Feb-95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ACW #11	ACW #11	17-May-95	0.36	---	260	0.23	---	---	---	16	---	42	---	1,200	---	<0.020	230	---	---	---	3,300
ACW #11	ACW #11	27-Jun-95	0.29	---	270	0.2	---	---	---	16	---	45	---	980	---	<0.020	210	---	---	---	2,800
ACW #11	ACW #11	29-Aug-95	0.17	---	210	0.088	---	---	---	16	---	44	---	880	---	<0.020	220	---	---	---	2,700

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umho/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l
ACW #11	ACW #11	07-Feb-96	6.9	<1.0	<1.0	—	—	—	<2.0	—	—	11,000	7.8	7,400	3,400	230	—	1.5	0.15	0.087	—	—	—	—	0.3	—	660	—	—	<0.006
ACW #11	ACW #11	07-Feb-96	7.6	<2.5	<2.5	—	—	—	<7.5	—	—	11,030	7.2	6,740	3,770	248	—	1.6	0.39	<1.25	—	—	—	—	0.4	—	668	—	—	<0.1
ACW #11	ACW #11	08-May-96	6.76	<1.0	<1.0	—	—	—	<3.0	—	—	9,840	7.3	5,080	3,120	206	—	<1.25	0.37	<1.25	—	—	—	—	<0.5	—	484	—	—	0.02
ACW #11	ACW #11	13-Aug-96	7.9	2.2	<1.0	—	—	—	<2.0	—	—	12,000	7.3	10,000	4,200	230	—	2	1.0	0.18	—	—	—	—	0.4	—	540	—	—	0.013
ACW #11	ACW #11	05-Nov-96	32	1.7	<1.0	—	—	—	1.2	—	—	29	7.3	25,000	13,000	560	—	2.9	0.4	0.31	—	—	—	—	0.3	—	1,200	—	—	<0.007
ACW #11	ACW #11	06-May-97	21	5.3	3.1	—	—	—	3.5	—	—	10,200	—	6,700	3,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #11	ACW #11	21-Nov-97	28	3.1	<0.5	—	—	—	2.8	—	—	27,900	7.6	16,000	9,800	520	—	<4	<0.5	0.16	—	—	—	—	0.3	—	1,000	—	—	<0.01
S98-0174	ACW #11	12-May-98	70	8.2	1.3	—	—	—	4.3	—	—	36,000	—	22,000	13,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0460	ACW #11	20-Oct-98	51	<2	<2	—	—	—	<2	—	—	42,500	6.60	29,600	17,000	680	18.5	<10	0.43	0.11	—	—	—	—	0.32	—	1,500	—	—	<0.0025
M99-0014	ACW #11	12-May-99	—	—	—	—	—	—	—	—	—	19,800	—	11,100	7,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0192	ACW #11	20-Oct-99	14	4.5	<2	—	—	—	<4	—	—	19,300	6.94	13,600	7,800	340	19.1	<4	0.60	0.055	—	0.096	0.0088	0.42	0.30	<0.002	1,100	<0.005	<0.005	0.0039
M00-0087	ACW #11	09-May-00	—	—	—	—	—	—	—	—	—	31,500	—	21,000	18,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0227	ACW #11	01-Nov-00	15	<2	<2	—	—	—	<4	—	—	25,700	6.82	21,900	10,000	490	13.1	<2	<0.4	<1	—	—	<0.1	0.37	0.46	<0.01	1,730	<0.01	—	<0.005
M01-0135	ACW #11	01-May-01	—	—	—	—	—	—	—	—	—	32,800	—	20,000	15,000	—	—	—	—	—	—	—	<0.1	0.14	0.29	<0.01	200	<0.01	—	0.0069
M01-0476	ACW #11	23-Oct-01	59	<2	<2	—	—	—	<2	—	—	47,800	6.55	32,900	17,000	800	21.5	<20	0.41	<10	—	<0.05	<0.1	0.26	0.36	<0.005	2,500	<0.01	<0.01	<0.005
200204020220-09	AC W #11	29-Apr-02	—	—	—	—	—	—	—	—	—	34,200	—	25,500	15,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
200211089 6-19	AC W #11	06-Nov-02	13	<1.0	<1.0	<2.0	—	<1.0	<3.0	—	—	11,000	6.98 H	9,700	4,600	320	—	1.5	<0.40	14	—	—	—	—	0.33	—	1,200	—	—	—
200310136 3-8	ACW #11	04-Nov-03	2.7	<2.0	<2.0	—	—	—	<6.0	—	—	7,950	6.8	3,470	4,520	—	19.5	—	—	—	—	—	—	—	—	<0.0040	—	<0.010	—	<0.025
200411601-14	ACW #11	10-Nov-04	19.3	<1.0	0.53 J	—	—	—	<2.0	—	—	21,200	6.6	18,300 (14,700)	7,950	—	21.8	—	—	—	—	—	—	—	—	—	—	—	—	—
200505068 6-5	ACW #11	23-May-05	22.2	<2.0	<2.0	—	—	—	<6.0	—	—	22,200	6.6	17,700	8,339	—	22.8	—	—	—	—	—	—	—	—	—	—	—	—	—
200612152 3-10	ACW #11	13-Dec-05	18.7	<2.0	<2.0	—	—	—	<6.0	—	—	27,000	6.5	10,400	4,580	—	20.3	—	—	—	—	—	—	—	—	—	—	—	—	—
200703022 5-13	ACW #11	06-Mar-07	11	<1	<1	<1	<1	<1	<3.0	—	—	18,500	6.6	14,500	8,880	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—
200711158 4-13	ACW #11	13-Nov-07	3.2	<1	<1	<1	<1	<1	<1	—	—	13,260	6.8	11,300	6,540	—	20.3	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #12	ACW #12	19-Feb-97	<0.5	<0.5	1.5	—	—	—	<1.0	—	—	1,610	—	950	380	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #12D	ACW #12D	19-Feb-97	2.9	<0.5	<0.5	—	—	—	<1.0	—	—	1,630	—	960	390	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #12	ACW #12	08-May-97	3	0.89	<0.5	—	—	—	<1.0	—	—	1,240	—	900	290	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #12	ACW #12	20-Aug-97	1.2	<0.5	<0.5	—	—	—	<1.0	—	—	1,120	8.1	740	260	85	—	0.6	1.3	0.2	—	—	—	—	0.2	—	84	—	—	<0.01
ACW #12D	ACW #12D	20-Aug-97	1.4	<0.5	<0.5	—	—	—	<1.0	—	—	1,150	8.1	740	260	90	—	0.7	1.3	0.3	—	—	—	—	0.2	—	91	—	—	<0.01
ACW #12	ACW #12	25-Feb-98	1.8	<1.0	<1.0	—	—	—	<2.0	—	—	2,270	6.9	1,300	449	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
200411160 1-22	ACW #12	11-Nov-04	1.8	<1.0	<1.0	—	—	—	<2.0	—	—	2,270	6.9	1,300	449	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
200310136 3-22	ACW #12	06-Nov-03	1.0 J	<2.0	<2.0	—	—	—	<6.0	—	—	1,605	6.9	1,220	410	—	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—
200210896-24	ACW #12	07-Nov-02	3.7	<1.0	<1.0	<2.0	—	<1.0	<3.0	—	—	1,800	7.61 H	1,300	450	150	—	0.50	1.1	0.64	—	—	0.0066	—	0.24	—	150	—	—	—
200204022 0-23	ACW #12D	01-May-02	<2.0	<2.0	<2.0	—	—	—	<2.0	—	—	1,900	7.48	1,100	440	140	—	<2.0	1.1	<2.0	—	—	—	—	—	—	150	—	—	—
200204022 0-22	ACW #12	01-May-02	2.6	<2.0	<2.0	—	—	—	<2.0	<5.0	—	2,030	7.43	1,180	490	130	—	<2.0	1.0	<2.0	—	—	—	—	—	—	170	—	—	—
M02-0046	ACW #12 R	20-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	—	<2.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0046	ACW #12	20-Feb-02	—	—	—	—	—	—	—	—	—	2,200	7.27	1,370	720	120	—	<10	0.85	0.24	—	—	—	—	—	—	180	—	—	—
M01-0486	ACW #12	25-Oct-01	<2	<2	<2	<2	<2	<6	—	—	—	1,890	7.43 H	1,220	1400	110	19.7	<2	1.10	<0.5	—	<0.05	<0.1	0.11	0.25	<0.005	160	<0.01	<0.01	<0.005
M01-0405	ACW #12	01-Aug-01	<2	<2	<2 Jc	—	—	—	<2	—	—	2,080	7.34	1,290	490	120	24.6	<2	0.97	<1	—	—	—	—	—	—	180	—	—	—
M01-0146	ACW #12D	03-May-01	2.1	<2	<2	—	—	—	<2	<5	—	2,120	7.44	1,150	510	110	22.5	1.3	0.97	<1	—	—	—	—	—	—	160	—	—	—
M01-0145	ACW #12	03-May-01	2.4	<2	<2	—	—	—	<2	<5	—	2,100	7.4	1,060	570	110	22.2	1.4	1.00	<1	—	—	—	—	—	—	160	—	—	—
M01-0011	ACW #12	20-Feb-01	<2	<2	<2	—	—	—	<4	<5	—	2,230	7.44 H	1,210	670	140	21.5	0.74	0.88	0.28	—	—	—	—	—	—	190	—	—	—
M00-0240	ACW #12	03-Nov-00	<2	<2	<2	—	—	—	<4	—	—	2,520	7.5	1,780	890	130	19.2	<20	1.1	0.30	—	—	<0.1	0.14	0.29	<0.01	200	<0.01	—	0.0069
M00-0197	ACW #12	07-Aug-00	<2	<2	<2	—	—	—	<4	—	—	1,800	7.63	1,270	460	110	25.4	0.47	1.1	0.087	—	—	—	—	—	—	140	—	—	—
M00-0098	ACW #12	11-May-00	<5	<5	<5	—	—	—	<10	—	—	1,590	7.88	989	470	100	18.5	0.47	1.2	0.15	—	—	—	—	—	—	150	—	—	—
M00-0024	ACW #12	22-Feb-00	<2	<2	<2	—	—	—	<2	—	—	1,950	7.38	1,260	680	130	16.4	<1.0	1.1	<0.5	—	—	—	—	—	—	210	—	—	—
M99-0204	ACW #12D	22-Oct-99	4.4	<2	<2	<2	<2	<2	<6	—	—	2,170	7.48	1,390	560	140	19.8	<2	0.95	0.32	—	0.031	0.0084	0.13	0.26	<0.002	230	<0.005	<0.005	<0.0025
M99-0202	ACW #12	22-Oct-99	4.7	<2	<2	<2	<2	<6	—	—	—	2,180	7.50	1,620	650	130	19.8	<2	0.98	0.41	—	0.034	0.0094	0.13	0.26	<0.002	220	<0.005	<0.005	<0.0025
M99-0088	ACW #12D	11-Aug-99	2.4	<2	<2	<2	<2	<6	—	—	—	2,630	7.33	1,880	810	160	21.1	<1	0.85	0.53	—	—	—	—	—	—	280	—	—	—
M99-0087	ACW #12	11-Aug-99	5.3	<2	<2	<2	<2	<6	—	—	—	2,650	7.35	1,750	750	160	21.7	<0.2	0.85	0.45	—	—	—	—	—	—	270	—	—	—
M99-0026	ACW #12D	14-May-99	4	<2	<2	<2	<2	<6	—	<0.25	2.350	7.42	1.410	590	150	23.9	<2	0.86	0.18	—	—	—	—	—	0.26	—	210	—	—	0.0044
M99-0024	ACW #12	14-May-99	4	<2	<2	<2	<2	<6	—	<0.25	2.390	7.47	1.440	500	120	23.8	<2	0.86	0.14	—	—	—	—	—	0.28	—	210	—	—	0.0063
S99-0084	ACW #12D	23-Feb-99	5	<2	<2	<2	<2	<6	—	—	—	2,050	7.67	1,280	480	140	12.8	<2	1.1	0.23	—	—	—	—	—	—	190	—	—	—
S99-0083	ACW #12	23-Feb-99	6	<2	<2	<2	<2	<6	—	—	—	2,020	7.68	1,240	500	120	12.3	<2	1.2	0.18	—	—	—	—	—	—	200	—	—	—
S98-0475	ACW #12D	22-Oct-98	6	<2	<2	<2	<2	<6	—	—	—	2,310	7.36	1,690	600	170	20.1	<2	0.90	0.51	—	—	—	—	0.26	—	200	—	—	<0.0025
S98-0474	ACW #12	22-Oct-98	6	<2	<2	<2	<2	<6	—	—	—	2,280	7.39	1,520	610	170	20.0	<2	0.99	0.44	—	—	—	—	0.27	—	210	—	—	<0.0025
S98-0295	ACW #12D	11-Aug-98	2	<2	<2	<2	<2	<6	—	—	—	2,020	7.51	1,300	520	140	19.3	<1	1.1	<2.5	—	—	—	—	—	—	180	—	—	—
S98-0294	ACW #12	11-Aug-98	2	<2	<2	<2	<2	<6	—	—	—	1,790	7.61	1,240	440	130	19.8	<2	1.3	1.4	—	—	—	—	—	—	180	—	—	—
S98-0189	ACW #12D	01-Jun-98	4.4	2.5	6.1	—	—	2.5	—	—	—	2,300	7.4	1,700	540	150	—	0.74	1.3	0.54	—	—	—	—	—	—	200	—	—	—
S98-0188	ACW #12	01-Jun-98	<0.50	1.2	<0.50	—	—	<1.0	—	—	—	2,000	7.5	1,500	—	—	—	—	—	0.41	—	—	—	—	—	—	210	—	—	—
S98-0059	ACW #12D	24-Feb-98	6.7	<0.50	<0.50	—	—	<1.0	—	—	—	2,090	7.9	1,220	490	160	—	0.9	2.1	0.5	—	—	—	—	—	—	170	—	—	—
S98-0058	ACW #12	24-Feb-98	7.3	<0.50	<0.50	—	—	<1.0	—	—	—	2,050	7.9	1,200	470	150	—	0.8	2.2	0.4	—	—	—	—	—	—	170	—	—	—
ACW #12	ACW #12	23-Oct-97	1.4	0.58	<0.5	—	—	—	<1.0	—	—	1,810	7.5	850	380	120	—	1	1	0.34	—	—	—	—	0.2	—	150	—	—	<0.01
ACW #12D	ACW #12D	20-Aug-97	1.4	<0.5	<0.5	—	—	—	<1.0	—	—	1,150	8.1	740	280	90	—	0.7	1.3	0.3	—	—	—	—	0.2	—	91	—	—	<0.01
200703022 5-30	ACW #12	08-Mar-07	<1	<1	<1	<1	<1	<1	<3.0	—	—	1,980	7.2	1,550	529	—	19.6	—	—	—	—	—	—	—	—	—	—	—	—	—
200612152 3-21	ACW #12	14-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	2,090	7.0	1,130	393	—	19.3	—	—	—	—	—	—	—	—	—	—	—	—	—
200711158 4-21	ACW #12	14-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	1,920	7.0	1,460	451	—	20.4	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as $CaCO_3$), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as $CaCO_3$), mg/l
ACW #11	ACW #11	07-Feb-96	0.38	—	230	0.13	—	—	—	26	—	47	—	1,500	—	<0.010	210	—	—	—	2,600
ACW #11	ACW #11	07-Feb-96	0.5	—	224	0.1	—	—	—	31	—	46	—	1,400	—	<0.1	200	—	—	—	2,590
ACW #11	ACW #11	08-May-96	0.3	—	220	0.09	—	—	—	29	—	50	—	1,160	—	<0.05	111	—	—	—	2,110
ACW #11	ACW #11	13-Aug-96	0.28	—	190	0.061	—	—	—	24	—	47	—	1,700	—	0.12	160	—	—	—	2,100
ACW #11	ACW #11	05-Nov-96	0.25	—	430	0.14	—	—	—	35	—	21	—	5,100	—	0.068	170	—	—	—	4,700
ACW #11	ACW #11	06-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #11	ACW #11	21-Nov-97	0.4	—	330	0.22	—	—	—	27	—	18	—	2,700	—	0.21	170	—	—	—	—
S98-0174	ACW #11	12-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0460	ACW #11	20-Oct-98	0.68	—	520	0.35	—	—	—	41.0	—	22	—	5,100	—	<0.05	180	180	<25	<25	5,900
M99-0014	ACW #11	12-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0192	ACW #11	20-Oct-99	0.68	<0.005	280	0.17	<0.0002	0.0045	<0.02	27	—	19	<0.005	2,300	0.013	<0.05	140	140	<25	<25	3,900
M00-0087	ACW #11	09-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0227	ACW #11	01-Nov-00	1.1	<0.05	560	0.37	0.00028	—	—	33	<0.1	26	<0.02	4,440	—	<0.1	190	190	<25	<25	6,600
M01-0135	ACW #11	01-May-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0476	ACW #11	23-Oct-01	1.4	0.53	840	0.38	0.00049	<0.01	<0.04	57	<0.1	31	<0.01	9,500	0.068	<0.1	160	160	<25	<25	9,700
2002040220-09	AC W #11	29-Apr-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-19	AC W #11	06-Nov-02	1.3	—	410	0.26	—	—	—	50	—	48	—	3,000	—	—	220	220	<2.0	<2.0	4,800
2003101363-8	ACW #11	04-Nov-03	—	<0.010	—	—	—	—	<0.040	—	—	—	<0.010	1,740	—	<0.020	—	—	—	—	—
2004111601-14	ACW #11	10-Nov-04	—	—	—	—	—	—	—	—	—	—	—	2,270	—	—	—	—	—	—	—
2005050586-5	ACW #11	23-May-05	—	—	—	—	—	—	—	—	—	—	—	4,022	—	—	—	—	—	—	—
2005121523-10	ACW #11	13-Dec-05	—	—	—	—	—	—	—	—	—	—	—	2,240	—	—	—	—	—	—	—
2007030225-13	ACW #11	06-Mar-07	—	—	—	—	—	—	—	—	—	—	—	1,930	—	—	—	—	—	—	—
2007111584-13	ACW #11	13-Nov-07	—	—	—	—	—	—	—	—	—	—	—	1,860	—	—	—	—	—	—	—
ACW #12	ACW #12	19-Feb-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #12D	ACW #12D	19-Feb-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #12	ACW #12	08-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #12	ACW #12	20-Aug-97	0.5	—	31	0.05	—	—	—	23	—	18	—	100	—	<0.02	130	—	—	—	—
ACW #12D	ACW #12D	20-Aug-97	0.4	—	34	0.05	—	—	—	22	—	19	—	100	—	<0.02	120	—	—	—	—
ACW #12	ACW #12	23-Oct-97	0.2	—	54	0.03	—	—	—	13	—	20	—	120	—	<0.02	160	—	—	—	—
S98-0058	ACW #12	24-Feb-98	—	—	60	—	—	—	—	10	—	21	—	120	—	—	160	—	—	—	—
S98-0059	ACW #12D	24-Feb-98	—	—	60	—	—	—	—	10	—	21	—	120	—	—	150	—	—	—	—
S98-0188	ACW #12	01-Jun-98	—	—	73	—	—	—	—	9	—	23	—	130	—	—	150	150	—	—	—
S98-0189	ACW #12D	01-Jun-98	—	—	71	—	—	—	—	9	—	22	—	130	—	—	150	150	—	—	—
S98-0294	ACW #12	11-Aug-98	—	—	62	—	—	—	—	9.8	—	21	—	130	—	—	140	140	<25	<25	710
S98-0295	ACW #12D	11-Aug-98	—	—	61	—	—	—	—	9.7	—	24	—	130	—	—	160	160	<25	<25	700
S98-0474	ACW #12	22-Oct-98	0.17	—	80	0.032	—	—	—	10	—	23	—	140	—	<0.05	150	150	<25	<25	850
S98-0475	ACW #12D	22-Oct-98	0.17	—	72	0.029	—	—	—	10	—	24	—	130	—	<0.05	150	150	<25	<25	810
S99-0083	ACW #12	23-Feb-99	—	—	73	—	—	—	—	8.8	—	25	—	160	—	—	160	160	<25	<25	810
S99-0084	ACW #12D	23-Feb-99	—	—	68	—	—	—	—	8.5	—	26	—	160	—	—	160	160	<25	<25	750
M99-0024	ACW #12	14-May-99	0.16	—	74	0.026	—	—	—	9.5	—	23	—	150	—	<0.05	150	150	<25	<25	840
M99-0026	ACW #12D	14-May-99	0.16	—	73	0.025	—	—	—	9.0	—	26	—	140	—	<0.05	150	150	<25	<25	810
M99-0087	ACW #12	11-Aug-99	—	—	96	—	—	—	—	9.0	—	29	—	160	—	—	140	140	<25	<25	1100
M99-0088	ACW #12D	11-Aug-99	—	—	98	—	—	—	—	9.2	—	36	—	160	—	—	140	140	<25	<25	1100
M99-0202	ACW #12	22-Oct-99	0.14	<0.005	0.77	0.024	<0.0002	0.0043	<0.02	8.4	—	21	<0.005	140	0.0088	<0.05	140	140	<25	<25	860
M99-0204	ACW #12D	22-Oct-99	0.16	<0.005	79	0.024	<0.0002	<0.005	<0.02	8.7	—	20	<0.005	140	0.0086	<0.05	140	140	<25	<25	890
M00-0024	ACW #12	22-Feb-00	—	—	71	—	—	—	—	9.2	—	22	—	130	—	—	130	130	<25	<25	800
M00-0098	ACW #12	11-May-00	—	—	51	—	—	—	—	9.3	—	28	—	120	—	—	140	140	<25	<25	590
M00-0197	ACW #12	07-Aug-00	—	—	45	—	—	—	—	10	—	33	—	110	—	—	140	140	<25	<25	520
M00-0240	ACW #12	03-Nov-00	1.9	<0.05	71	0.053	<0.0002	—	—	16	<0.1	29	<0.02	280	—	<0.1	140	140	<25	<25	800
M01-0011	ACW #12	20-Feb-01	—	—	68	—	—	—	—	11	—	31	—	170	—	—	150	150	<25	<25	750
M01-0145	ACW #12	03-May-01	—	—	56	—	—	—	—	9.2	—	32	—	150	—	—	140	140	<25	<25	630
M01-0146	ACW #12D	03-May-01	—	—	57	—	—	—	—	8.9	—	31	—	150	—	—	150	150	<25	<25	630
M01-0405	ACW #12	01-Aug-01	—	—	64	—	—	—	—	9.6	—	28	—	140	—	—	140	140	<25	<25	710
M01-0486	ACW #12	25-Oct-01	0.29	<0.05	56	0.032	<0.0002	<0.01	<0.04	9.3	<0.1	34	<0.02	120	0.011	<0.1	140	140	<25	<25	630
M02-0046	ACW #12	20-Feb-02	—	—	64	—	—	—	—	8.6	—	36	—	140	—	—	140	140	<25	<25	750
M02-0046	ACW #12 R	20-Feb-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-22	ACW #12	01-May-02	—	—	61	—	—	—	—	8.9	—	35	—	130	—	—	140	140	<25	<25	670
2002040220-23	ACW #12D	01-May-02	—	—	54	—	—	—	—	8.8	—	33	—	110	—	—	150	150	<25	<25	600
2002110896-24	ACW #12	07-Nov-02	0.24	—	63	0.020	—	—	—	11	—	44	—	150	—	—	150	150	<2.0	<2.0	640
2003101363-22	ACW #12	06-Nov-03	—	—	—	—	—	—	—	—	—	—	—	126	—	—	—	—	—	—	—
2004111601-22	ACW #12	11-Nov-04	—	—	—	—	—	—	—	—	—	—	—	137	—	—	—	—	—	—	—
2005121523-21	ACW #12	14-Dec-05	—	—	—	—	—	—	—	—	—	—	—	131	—	—	—	—	—	—	—
2007030225-30	ACW #12	08-Mar-07	—	—	—	—	—	—	—	—	—	—	—	134	—	—	—	—	—	—	—
2007111584-21	ACW #12	14-Nov-07	—	—	—	—	—	—	—	—	—	—	—	134	—	—	—	—	—	—	—

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umho/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature, °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l
ACW #13	ACW #13	20-Feb-97	<0.5	<0.5	1.5	—	—	—	<1.0	—	—	681	—	440	53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #13	ACW #13	08-May-97	0.61	0.58	<0.5	—	—	—	<1.0	—	—	643	—	460	57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #13D	ACW #13D	08-May-97	0.65	0.62	<0.5	—	—	—	<1.0	—	—	630	—	460	52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #13	ACW #13	20-Aug-97	<0.5	<0.5	<0.5	—	—	—	<1.0	—	—	654	8.3	440	55	96	—	0.4	1.3	0.99	—	—	—	—	0.2	—	39	—	—	<0.01
ACW #13	ACW #13	23-Oct-97	0.59	0.76	<0.5	—	—	—	<1.0	—	—	728	8.3	400	50	95	—	0.4	1.3	1	—	—	—	—	0.2	—	34	—	—	<0.01
S98-0060	ACW #13	24-Feb-98	<0.50	<0.50	<0.50	—	—	—	<1.0	—	—	727	8.4	450	59	100	—	0.5	1.6	1.2	—	—	—	—	—	—	31	—	—	—
S98-0190	ACW #13	01-Jun-98	<0.50	<0.50	<0.50	—	—	—	<1.0	—	—	700	8.0	450	—	—	—	—	—	1.2	—	—	—	—	—	—	40	—	—	—
S98-0296	ACW #13	11-Aug-98	<2	<2	<2	<2	<2	<2	<6	—	—	679	7.93	467	48	110	19.7	<5	1.6	3.3	—	—	—	—	—	—	43	—	—	—
S98-0476	ACW #13	22-Oct-98	<2	<2	<2	<2	<2	<2	<6	—	—	686	7.94	439	47	92	19.9	<5	1.3	1.3	—	—	—	—	0.23	—	48	—	—	<0.0025
S99-0085	ACW #13	23-Feb-99	<2	<2	<2	<2	<2	<2	<6	—	—	792	8.18	493	74	93	12.6	0.3	1.5	0.74	—	—	—	—	—	—	44	—	—	—
M99-0027	ACW #13	14-May-99	<2	<2	<2	<2	<2	<2	<6	—	<0.25	693	7.96	403	45	96	24.1	0.4	1.3	1.4	—	—	—	—	0.25	—	46	—	—	0.0062
M99-0089	ACW #13	11-Aug-99	<2	<2	<2	<2	<2	<2	<6	—	—	676	7.95	359	41	97	21.9	1.2	1.4	1.4	—	—	—	—	—	—	49	—	—	—
M99-0205	ACW #13	22-Oct-99	<2	<2	<2	<2	<2	<2	<6	—	—	674	7.98	436	48	93	20.0	0.36	1.4	1.3	—	0.11	0.013	0.057	0.23	<0.002	49	0.0055	<0.005	<0.0025
M00-0028	ACW #13	23-Feb-00	<2	<2	<2	—	—	—	<2	—	—	697	7.84	479	53	98	16.9	<1.0	1.5	1.4	—	—	—	—	—	—	44	—	—	—
M00-0096	ACW #13	11-May-00	<5	<5	<5	—	—	—	<10	—	—	697	8.00	459	47	120	18.2	0.33	1.3	1.5	—	—	—	—	—	—	48	—	—	—
M00-0198	ACW #13	08-Aug-00	<2	<2	<2	—	—	—	<4	—	—	676	7.90	363	41	100	25.6	0.31	1.3	1.2	—	—	—	—	—	—	49	—	—	—
M00-0199	ACW #13D	08-Aug-00	<2	<2	<2	—	—	—	<4	—	—	662	7.94	381	44	95	25.7	0.30	1.4	1.2	—	—	—	—	—	—	50	—	—	—
M00-0242	ACW #13	06-Nov-00	<2	<2	<2	—	—	—	<4	—	—	1,330	7.7	947	360	110	16.7	<2	1.4	1.0	—	—	<0.1	0.061	0.26	<0.01	55	<0.01	—	<0.005
M01-0013	ACW #13	20-Feb-01	<2	<2	<2	—	—	—	<4	<5	—	893	7.81 H	518	110	90	21.6	0.39	1.3	1.4	—	—	—	—	—	—	48	—	—	—
M01-0159	ACW #13	07-May-01	<2	<2	<2	—	—	—	<2	<5	—	685	7.79 H	444	57	110	26.6	0.34	1.3	1.5	—	—	—	—	—	—	47	—	—	—
M01-0406	ACW #13	01-Aug-01	<2	<2	<2 Jc	—	—	—	<2	—	—	694	7.73	402	42	98	23.3	<2	1.4	1.6	—	—	—	—	—	—	46	—	—	—
M01-0407	ACW #13D	01-Aug-01	<2	<2	<2 Jc	—	—	—	<2	—	—	690	7.73	439	45	98	23.6	<2	1.3	1.6	—	—	—	—	—	—	42	—	—	—
M01-0490	ACW #13	25-Oct-01	<2	<2	<2	<2	<2	<2	<6	—	—	690	7.75	422	42	96	20.0	<1	1.4	1.5	—	<0.05	<0.1	0.046	0.22	<0.005	45	<0.01	<0.01	<0.005
M02-0047	ACW #13	20-Feb-02	<2.0	2.1	<2.0	—	—	—	<2.0	—	—	680	7.67	389	44	88	—	2.7	1.4	1.4	—	—	—	—	—	—	44	—	—	—
M02-0047	ACW #13 R	20-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	—	<2.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-24	ACW #13	01-May-02	<2.0	<2.0	<2.0	—	—	—	<2.0	<5.0	—	760	7.73 H	407	54	140	—	<1	1.5	1.4	—	—	—	—	—	—	52	—	—	—
2	ACW #13	25-Sep-02	<2.0	<2.0	<2.0	—	—	—	<4.0	<5.0	—	807	7.76 H	643	50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	ACW #13D	25-Sep-02	<2.0	<2.0	<2.0	—	—	—	<4.0	<5.0	—	789	7.73 H	603	130	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-23	ACW #13	07-Nov-02	<1.0	<1.0	<1.0	<2.0		<1.0	<3.0	—	—	740	7.59 H	450	45	140	—	<0.50	1.4	1.6	—	—	0.010	—	0.23	—	53	—	—	—
2003030318/T4112-1	ACW #13	28-Mar-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	772	7.6 H	502	46.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2003050551-3	ACW #13	19-May-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	747	7.5 H	502	47.0	—	—	—	—	—	—	—	—	—	—	—	49.400	—	—	—
2003080979-3	ACW #13	19-Aug-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	661	6.89	460	41.7	—	—	—	—	—	—	—	—	—	—	—	52.400	—	—	—
2003101363-20	ACW #13	06-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	759	6.8	490	43.8	—	18.6	—	—	—	—	—	—	—	—	—	—	—	—	—
2004020197-6	ACW #13	26-Feb-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	724	7.0	476	43.0	—	18.9	—	—	—	—	—	—	—	—	—	—	—	—	—
2004050647-4	ACW #13	12-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	759	7.0	492	41.7	—	22.3	—	—	—	—	—	—	—	—	—	—	—	—	—
2004081157-4	ACW #13	24-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	660	7.4	496	45.0	—	22.8	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-20	ACW #13	11-Nov-04	0.50 J	<1.0	<1.0	—	—	—	<2.0	—	—	987	7.2	558	50.0	—	18.3	—	—	—	—	—	—	—	—	—	—	—	—	—
2005020148-4	ACW #13	14-Feb-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1,036	7.4	520	61.0	—	19.6	—	—	—	—	—	—	—	—	—	—	—	—	—
2005050586-9	ACW #13	24-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	811	7.2	447	32.0	—	24.4	—	—	—	—	—	—	—	—	—	—	—	—	—
2005081051-4	ACW #13	22-Aug-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	884	6.8	513	71.0	—	23.8	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-26	ACW #13	15-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	917	6.9	551	172	—	17.5	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-27	ACW #13D	15-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	548	88.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2006020147-4	ACW #13	13-Feb-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	906	7.1	551	93.0	—	19.7	—	—	—	—	—	—	—	—	—	—	—	—	—
2006050558-4	ACW #13	08-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	922	7.3	508	98.0	—	22.8	—	—	—	—	—	—	—	—	—	—	—	—	—
2006050558-5	ACW #13D	08-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	505	94.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2006081053-3	ACW #13	22-Aug-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	967	7.1	568	100	—	23.2	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-26	ACW #13	08-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	971	7.0	586	119	—	17.9	—	—	—	—	—	—	—	—	—	—	—	—	—
2007050615-4	ACW #13	15-May-07	<1	<1	<1	<1	<1	<1	<1	—	—	1,025	7.2	651	127	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007091015-4	ACW #13	22-Aug-07	<1	<1	<1	<1	<1	<1	<1	—	—	1,085	7.1	690	121	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-23	ACW #13	15-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	1,012	7.1	855	130	—	19	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #14	ACW #14	20-Feb-97	<0.5	<0.5	<0.5	—	—	—	<1.0	—	—	830	—	570	86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #14	ACW #14	07-May-97	0.88	1.1	0.52	—	—	—	<1.0	—	—	746	—	480	72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #14	ACW #14	20-Aug-97	<0.5	<0.5	<0.5	—	—	—	<1.0	—	—	691	7.8	460	80	82	—	0.4	1.6	0.94	—	—	—	—	0.2	—	45	—	—	<0.01
ACW #14	ACW #14	22-Oct-97	<0.5	1.2	<0.5	—	—	—	1.5	—	—	747	8.1	440	71	95	—	0.5	1.5	0.9	—	—	—	—	0.2	—	46	—	—	<0.01
S98-0173	ACW #14	24-Feb-98	<0.50	<0.50	<0.50	—	—	—	0.58 J	—	—	755	8.2	470	40	130	—	0.5	2	1.8	—	—	—	—	—	—	46	—	—	—
S98-0184	ACW #14	13-May-98	0.75	<0.50	<0.50	—	—	—	<1.0	—	—	880	7.9	530	58	110	—	<2	1.7	1.7	—	—	—	—	—	—	47	—	—	—
S98-0293	ACW #14	11-Aug-98	<2	<2	<2	<2	<2	<2	<6	—	—	730	7.76	496	160	110	19.2	<5	1.9	2.5	—	—	—	—	—	—	48	—	—	—
S98-0471	ACW #14	21-Oct-98	<2	<2	<2	<2	<2	<2	<6	—	—	771	7.70	466	71	100	20.2	<2	1.9	1.7	—	—	—	—	0.25	—	52	—	—	0.0026
S99-0080	ACW #14	23-Feb-99	<2	<2	<2	<2	<2	<2	<6	—	—	859	7.92	524	88	92	12.2	0.3	1.8	1.9	—	—	—	—	—	—	47	—	—	—
M99-0021	ACW #14	13-May-99	<2	<2	<2	<2	<2	<2	<6	—	<0.25	764	7.89	500	62	100	23.5	0.4	1.6	2.0	—	—	—	—	0.27	—	49	—	—	0.016
M99-0086	ACW #14	09-Aug-99	<2	<2	<2	<2	<2	<2	<6	—	—	791	7.80	471	58	120	21.3	0.3	1.6	1.8	—	—	—	—	—	—	52	—	—	—
M99-0197	ACW #14	21-Oct-99	<2	<2	<2	<2	<2	<2	<6	—	—	753	7.79	469	68	100	20.4	0.37	1.8	2.0	—	0.078	0.013	0.046	0.24	<0.002	48	<0.005	<0.005	<0.0025
M00-0023	ACW #14	22-Feb-00	<2	<2	<2	—	—	—	<2	—	—	738	7.65	499	53	97	16.1	<1.0	1.6	2.0	—	—	—	—	—	—	62	—	—	—
M00-0093	ACW #14	10-May-00	<5	<5	<5	—	—	—	<10	—	—	761	7.66	485	61	110	21.2	0.38	1.5	1.8	—	—	—	—	—	—	51	—	—	—
M00-0195	ACW #14	07-Aug-00	<2	<2	<2	—	—	—	<4	—	—	750	7.69	439	65	110	25.4	0.27	1.5	1.8	—	—	—	—	—	—	50	—	—	—
M00-0230	ACW #14	01-Nov-00	<2	<2	<2	—	—	—	<4	—	—	1,630	7.78	1,090	420	120	17.1	<2	1.6	1.4	—	—	<0.1	0.068	0.30	<0.01	65	<0.01	—	<0.005
M01-0017	ACW #14	21-Feb-01	<2	<2	<2	—	—	—	<4	<5	—	883	7.78 H	517	100	100	21.7	<2	1.6	2.1	—	—	—	—	—	—	47	—	—	—
M01-0144	ACW #14	03-May-01	<2	<2	<2	—	—	—	<2	<5	—	809	7.66	499	89	100	22.7	1	1.6	3.7	—	—	—	—	—	—	54	—	—	—
M01-0411	ACW #14	02-Aug-01	<2	<2	<2	—	—	—	<2	—	—	771	7.90	476	70	110	22.8	0.42	1.6	1.9	—	—	—	—	—	—	45	—	—	—
M01-0482	ACW #14	24-Oct-01	<2	<2	<2	<2	<2	<2	<6	—	—	761	7.63	449	71	100	20.0	<2	1.8	1.8	—	<0.05	<0.1	0.041	0.22	<0.005	46	<0.01	<0.01	<0.005

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as $CaCO_3$), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as $CaCO_3$), mg/l
ACW #13	ACW #13	20-Feb-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #13	ACW #13	08-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #13D	ACW #13D	08-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #13	ACW #13	20-Aug-97	0.3	—	14	0.02	—	—	—	10	—	20	—	79	—	<0.02	160	—	—	—	—
ACW #13	ACW #13	23-Oct-97	0.2	—	14	<0.01	—	—	—	15	—	21	—	84	—	<0.02	170	—	—	—	—
S98-0060	ACW #13	24-Feb-98	—	—	14	—	—	—	—	17	—	21	—	87	—	—	170	—	—	—	—
S98-0190	ACW #13	01-Jun-98	—	—	14	—	—	—	—	10	—	21	—	85	—	—	170	170	—	—	—
S98-0296	ACW #13	11-Aug-98	—	—	14	—	—	—	—	9.4	—	15	—	85	—	—	170	170	<25	<25	170
S98-0476	ACW #13	22-Oct-98	0.37	—	16	0.017	—	—	—	7.5	—	23	—	87	—	<0.05	170	170	<25	<25	190
S99-0085	ACW #13	23-Feb-99	—	—	15	—	—	—	—	7.0	—	23	—	110	—	—	180	180	<25	<25	170
M99-0027	ACW #13	14-May-99	0.17	—	15	0.0084	—	—	—	5.3	—	28	—	86	—	<0.05	170	170	<25	<25	180
M99-0089	ACW #13	11-Aug-99	—	—	16	—	—	—	—	5.0	—	26	—	86	—	—	170	170	<25	<25	190
M99-0205	ACW #13	22-Oct-99	0.23	<0.005	15	0.018	<0.0002	0.0044	<0.02	5.9	—	19	<0.005	89	<0.005	<0.05	160	160	<25	<25	190
M00-0028	ACW #13	23-Feb-00	—	—	14	—	—	—	—	6.3	—	14	—	82	—	—	160	160	<25	<25	170
M00-0096	ACW #13	11-May-00	—	—	16	—	—	—	—	6.6	—	30	—	88	—	—	170	170	<25	<25	190
M00-0198	ACW #13	08-Aug-00	—	—	15	—	—	—	—	5.8	—	<2.0	—	82	—	—	160	160	<25	<25	180
M00-0199	ACW #13D	08-Aug-00	—	—	16	—	—	—	—	6.0	—	37	—	84	—	—	160	160	<25	<25	180
M00-0242	ACW #13	06-Nov-00	0.34	<0.05	19	0.024	<0.0002	—	—	11	<0.1	29	<0.02	210	—	<0.1	170	170	<25	<25	220
M01-0013	ACW #13	20-Feb-01	—	—	16	—	—	—	—	7.5	—	34	—	130	—	—	160	160	<25	<25	190
M01-0159	ACW #13	07-May-01	—	—	6	—	—	—	—	4.6	—	33	—	88	—	—	180	180	<25	<25	180
M01-0406	ACW #13	01-Aug-01	—	—	16	—	—	—	—	6.1	—	29	—	86	—	—	170	170	<25	<25	180
M01-0407	ACW #13D	01-Aug-01	—	—	14	—	—	—	—	6	—	30	—	80	—	—	160	160	<25	<25	160
M01-0490	ACW #13	25-Oct-01	0.17	<0.05	15	0.02	<0.0002	<0.01	<0.04	6	<0.1	34	<0.02	78	<0.005	<0.1	170	170	<25	<25	170
M02-0047	ACW #13	20-Feb-02	—	—	14	—	—	—	—	5.0	—	36	—	78	—	—	160	160	<25	<25	180
M02-0047	ACW #13 R	20-Feb-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-24	ACW #13	01-May-02	—	—	18	—	—	—	—	5.0	—	33	—	78	—	—	170	170	<25	<25	200
2	ACW #13	25-Sep-02	—	—	—	—	—	—	—	—	—	—	—	80	—	—	—	—	—	—	—
3	ACW #13D	25-Sep-02	—	—	—	—	—	—	—	—	—	—	—	83	—	—	—	—	—	—	—
2002110896-23	ACW #13	07-Nov-02	0.21	—	19	<0.010	—	—	—	6.6	—	10	—	96	—	—	180	180	<2.0	<2.0	210
2003030318/T4112-1	ACW #13	28-Mar-03	—	—	—	—	—	—	—	—	—	—	—	57.000	—	—	—	—	—	—	—
2003050551-3	ACW #13	19-May-03	—	—	16.200	—	—	—	—	—	—	—	—	69.800	—	—	182	—	—	—	190
2003080979-3	ACW #13	19-Aug-03	—	—	17.800	—	—	—	—	—	—	—	—	78.600	—	—	193	—	—	—	204
2003101363-20	ACW #13	06-Nov-03	—	—	—	—	—	—	—	—	—	—	—	77.400	—	—	—	—	—	—	—
2004020197-6	ACW #13	26-Feb-04	—	—	—	—	—	—	—	—	—	—	—	80.500	—	—	—	—	—	—	—
2004050647-4	ACW #13	12-May-04	—	—	—	—	—	—	—	—	—	—	—	76.500	—	—	—	—	—	—	—
2004081157-4	ACW #13	24-Aug-04	—	—	—	—	—	—	—	—	—	—	—	77.700	—	—	—	—	—	—	—
2004111601-20	ACW #13	11-Nov-04	—	—	—	—	—	—	—	—	—	—	—	79.1	—	—	—	—	—	—	—
2005020148-4	ACW #13	14-Feb-05	—	—	—	—	—	—	—	—	—	—	—	78.3	—	—	—	—	—	—	—
2005050586-9	ACW #13	24-May-05	—	—	—	—	—	—	—	—	—	—	—	69.600	—	—	—	—	—	—	—
2005081051-4	ACW #13	22-Aug-05	—	—	—	—	—	—	—	—	—	—	—	84.600	—	—	—	—	—	—	—
2005121523-26	ACW #13	15-Dec-05	—	—	—	—	—	—	—	—	—	—	—	82.900	—	—	—	—	—	—	—
2005121523-27	ACW #13D	15-Dec-05	—	—	—	—	—	—	—	—	—	—	—	79.200	—	—	—	—	—	—	—
2006020147-4	ACW #13	13-Feb-06	—	—	—	—	—	—	—	—	—	—	—	80.500	—	—	—	—	—	—	—
2006050558-4	ACW #13	08-May-06	—	—	—	—	—	—	—	—	—	—	—	63.400	—	—	—	—	—	—	—
2006050558-5	ACW #13D	08-May-06	—	—	—	—	—	—	—	—	—	—	—	70.100	—	—	—	—	—	—	—
2006081053-3	ACW #13	22-Aug-06	—	—	—	—	—	—	—	—	—	—	—	79.800	—	—	—	—	—	—	—
2007030225-26	ACW #13	08-Mar-07	—	—	—	—	—	—	—	—	—	—	—	91.6	—	—	—	—	—	—	—
2007050615-4	ACW #13	15-May-07	—	—	—	—	—	—	—	—	—	—	—	84.4	—	—	—	—	—	—	—
2007091015-4	ACW #13	22-Aug-07	—	—	—	—	—	—	—	—	—	—	—	81.2	—	—	—	—	—	—	—
2007111584-23	ACW #13	15-Nov-07	—	—	—	—	—	—	—	—	—	—	—	86.5	—	—	—	—	—	—	—
ACW #14	ACW #14	20-Feb-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #14	ACW #14	07-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #14	ACW #14	20-Aug-97	0.5	—	15	0.03	—	—	—	5	—	20	—	81	—	0.03	150	—	—	—	—
ACW #14	ACW #14	22-Oct-97	0.3	—	16	0.01	—	—	—	5	—	20	—	81	—	<0.02	180	—	—	—	—
S98-0173	ACW #14	24-Feb-98	—	—	16	—	—	—	—	5	—	22	—	87	—	—	180	—	—	—	—
S98-0184	ACW #14	13-May-98	—	—	18	—	—	—	—	6	—	24	—	97	—	—	170	170	—	—	—
S98-0293	ACW #14	11-Aug-98	—	—	16	—	—	—	—	5.5	—	25	—	90	—	—	170	170	<25	<25	190
S98-0471	ACW #14	21-Oct-98	0.20	—	19	0.014	—	—	—	6.2	—	25	—	97	—	<0.05	170	170	<25	<25	210
S99-0080	ACW #14	23-Feb-99	—	—	17	—	—	—	—	6.0	—	25	—	110	—	—	180	180	<25	<25	190
M99-0021	ACW #14	13-May-99	0.17	—	18	0.011	—	—	—	5.7	—	28	—	95	—	<0.05	170	170	<25	<25	200
M99-0086	ACW #14	09-Aug-99	—	—	19	—	—	—	—	5.3	—	24	—	91	—	—	170	170	<25	<25	210
M99-0197	ACW #14	21-Oct-99	0.21	<0.005	18	0.012	<0.0002	<0.005	<0.02	5.8	—	21	<0.005	98	0.0062	<0.05	170	170	<25	<25	200
M00-0023	ACW #14	22-Feb-00	—	—	22	—	—	—	—	5.4	—	46	—	97	—	—	160	160	<25	<25	250
M00-0093	ACW #14	10-May-00	—	—	19	—	—	—	—	6.6	—	34	—	110	—	—	170	170	<25	<25	200
M00-0195	ACW #14	07-Aug-00	—	—	18	—	—	—	—	6.0	—	39	—	95	—	—	170	170	<25	<25	200
M00-0230	ACW #14	01-Nov-00	0.27	<0.05	23	0.037	<0.0002	—	—	14	<0.1	25	<0.02	300	—	<0.1	170	170	<25	<25	260
M01-0017	ACW #14	21-Feb-01	—	—	18	—	—	—	—	7.2	—	33	—	110	—	—	170	170	<25	<25	190
M01-0144	ACW #14	03-May-01	—	—	20	—	—	—	—	6.8	—	35	—	100	—	—	160	160	<25	<25	220
M01-0411	ACW #14	02-Aug-01	—	—	17	—	—	—	—	5.8	—	35	—	89	—	—	160	160	<25	<25	180
M01-0482	ACW #14	24-Oct-01	0.26	<0.05	16	0.012	<0.0002	<0.01	<0.04	6.0	<0.1	34	<0.02	82	0.0085	<0.1	160	160	<25	<25	190

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umho/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature, °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l
M02-0042	ACW #14	19-Feb-02	<2.0	3.1	<2.0	—	—	—	7.1	—	—	759	7.57 H	427	65	87	—	0.38	1.7	1.8	—	—	—	—	—	—	46	—	—	—
M02-0042	ACW #14 R	19-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	—	<2.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-18	ACW #14	30-Apr-02	<2.0	<2.0	<2.0	—	—	—	<4.0	—	—	844	7.39 H	505	74	250	—	<10	2.9	1.7	—	—	—	—	—	—	57	—	—	—
1	ACW #14	25-Sep-02	<2.0	<2.0	<2.0	—	—	—	<4.0	<5.0	—	749	7.71 H	482	58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-11	ACW #14	04-Nov-02	2.0	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0	—	—	840	7.78 H	670	76	150	—	<0.50	1.8	1.9	—	—	0.012	—	0.27	—	60	—	—	—
2002110896-12	ACW #14D	04-Nov-02	1.8	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0	—	—	830	7.65 H	550	73	150	—	0.61	1.8	2.0	—	—	0.011	—	0.27	—	61	—	—	—
2003030313/14096-3	ACW #14	26-Mar-03	<2.0	<2.0	<2.0	—	—	<6.0	7.7 H	—	—	766	7.7 H	508	55.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2003050651-6	ACW #14	20-May-03	<2.0	<2.0	<2.0	—	—	<6.0	7.6 H	—	—	822	7.6 H	570	67.0	—	—	—	—	—	—	—	—	—	—	—	55.600	—	—	—
2003050651-7	ACW #14D	20-May-03	<2.0	<2.0	<2.0	—	—	<6.0	8.0 H	—	—	822	8.0 H	534	71.0	—	—	—	—	—	—	—	—	—	—	—	53.600	—	—	—
2003080979-6	ACW #14	20-Aug-03	<2.0	<2.0	<2.0	—	—	<6.0	6.96	—	—	746	6.96	494	58.7	—	—	—	—	—	—	—	—	—	—	—	53.000	—	—	—
2003080979-7	ACW #14D	20-Aug-03	<2.0	<2.0	<2.0	—	—	<6.0	—	—	—	—	—	494	62.1	—	—	—	—	—	—	—	—	—	—	—	53.100	—	—	—
2003101363-14	ACW #14	05-Nov-03	1.8 J	<2.0	<2.0	—	—	<6.0	7.4	—	—	825	7.4	550	67.1	—	—	18.2	—	—	—	—	—	—	—	—	—	—	—	—
2004020197-7	ACW #14	26-Feb-04	<2.0	<2.0	<2.0	—	—	<6.0	7.1	—	—	752	7.1	512	52.0	—	—	18.3	—	—	—	—	—	—	—	—	—	—	—	—
2004020197-8	ACW #14D	26-Feb-04	<2.0	<2.0	<2.0	—	—	<6.0	—	—	—	—	—	500	51.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004050647-5	ACW #14	12-May-04	<2.0	<2.0	<2.0	—	—	<6.0	7.6	—	—	786	7.6	490	57.1	—	—	23.4	—	—	—	—	—	—	—	—	—	—	—	—
2004081157-5	ACW #14	24-Aug-04	<2.0	<2.0	<2.0	—	—	<6.0	7.6	—	—	747	7.6	520	54.0	—	—	23.1	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-25	ACW #14	12-Nov-04	<1.0	<1.0	<1.0	—	—	<2.0	6.7	—	—	926	6.7	572	55.0	—	—	17.6	—	—	—	—	—	—	—	—	—	—	—	—
2005020148-5	ACW #14	14-Feb-05	<2.0	<2.0	<2.0	—	—	<6.0	7.5	—	—	1,081	7.5	520	54.0	—	—	20.4	—	—	—	—	—	—	—	—	—	—	—	—
2005020148-6	ACW #14D	14-Feb-05	<2.0	<2.0	<2.0	—	—	<6.0	—	—	—	—	—	528	60.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005050586-8	ACW #14	24-May-05	<2.0	<2.0	<2.0	—	—	<6.0	7.1	—	—	820	7.1	508	64.0	—	—	23.3	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-17	ACW #14	14-Dec-05	<2.0	<2.0	<2.0	—	—	<6.0	6.9	—	—	869	6.9	539	53.0	—	—	19.6	—	—	—	—	—	—	—	—	—	—	—	—
2005081051-5	ACW #14	22-Aug-05	<2.0	<2.0	<2.0	—	—	<6.0	6.9	—	—	846	6.9	526	58.0	—	—	23.9	—	—	—	—	—	—	—	—	—	—	—	—
2006020147-5	ACW #14	13-Feb-06	<2.0	<2.0	<2.0	—	—	<6.0	7.1	—	—	854	7.1	512	59.0	—	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—
2006020147-6	ACW #14D	13-Feb-06	<2.0	<2.0	<2.0	—	—	<6.0	—	—	—	—	—	512	60.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2006050558-7	ACW #14	09-May-06	<2.0	<2.0	<2.0	—	—	<6.0	7.3	—	—	826	7.3	474	64.0	—	—	22.4	—	—	—	—	—	—	—	—	—	—	—	—
2006081053-5	ACW #14	22-Aug-06	<2.0	<2.0	<2.0	—	—	<6.0	7.0	988 (499 R H)	—	846	7.0	988 (499 R H)	50.0	—	—	23.9	—	—	—	—	—	—	—	—	—	—	—	—
2006081053-6	ACW #14D	22-Aug-06	<2.0	<2.0	<2.0	—	—	<6.0	—	492	—	—	—	492	52.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-20	ACW #14	07-Mar-07	<1	<1	<1	<1	<1	<1	7.2	531	—	807	7.2	531	55.5	—	—	18.2	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-21	ACW #14D	07-Mar-07	<1	<1	<1	<1	<1	<1	—	513	—	—	—	513	54.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007060615-5	ACW #14	15-May-07	<1	<1	<1	<1	<1	<1	7.3	558	—	868	7.3	558	61.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007081015-5	ACW #14	22-Aug-07	<1	<1	<1	<1	<1	<1	7.2	549	—	886	7.2	549	61.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007081015-6	ACW #14D	22-Aug-07	<1	<1	<1	<1	<1	<1	—	598	—	—	—	598	64.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-19	ACW #14	14-Nov-07	<1	<1	<1	<1	<1	<1	7.0	547	—	865	7.0	547	60.1	—	20	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-20	ACW #14D	14-Nov-07	<1	<1	<1	<1	<1	<1	—	526	—	—	—	526	60.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0206	ACW #15	23-Oct-99	3.2	5.3	<2	—	—	<4	—	1,010	8.24	587	1,010	180	21.2	<2	1.6	0.81	—	0.79	0.0089	0.11	0.21	<0.002	66	0.022	<0.005	0.0039	—	—
M00-0026	ACW #15	23-Feb-00	<2	<2	<2	—	—	<2	—	665	7.71	402	665	42	16.6	<1.0	1.4	12	—	—	—	—	—	—	62	—	—	—	—	—
M00-0027	ACW #15D	23-Feb-00	<2	<2	<2	—	—	<2	—	660	7.71	394	660	42	16.6	<20	1.5	11	—	—	—	—	—	—	58	—	—	—	—	—
M00-0095	ACW #15	11-May-00	<5	<5	<5	—	—	<10	—	654	7.95	431	654	49	18.4	0.34	1.4	0.86	—	—	—	—	—	—	47	—	—	—	—	—
M00-0200	ACW #15	08-Aug-00	<2	<2	<2	—	—	<4	—	605	7.94	340	605	35	25.6	0.25	1.4	0.91	—	—	—	—	—	—	45	—	—	—	—	—
M00-0236	ACW #15	02-Nov-00	<5	<5	<5	—	—	<10	—	1,380	7.8	876	360	100	18.4	<20	1.4	0.93	—	—	<0.1	0.064	0.27	<0.01	53	<0.01	—	<0.005	—	—
M01-0014	ACW #15	20-Feb-01	<2	<2	<2	—	—	<4	<5	725	7.88 H	423	64	78	21.5	0.33	1.3	1	—	—	—	—	—	—	40	—	—	—	—	—
M01-0015	ACW #15D	20-Feb-01	<2	<2	<2	—	—	<4	<5	727	7.87 H	413	65	81	21.7	0.34	1.3	1	—	—	—	—	—	—	38	—	—	—	—	—
M01-0160	ACW #15	07-May-01	<2	<2	<2	<2	<2	<6	<5	629	7.81 H	416	52	84	26.0	0.28	1.3	0.99	—	—	—	—	—	—	42	—	—	—	—	—
M01-0161	ACW #15D	07-May-01	<2	<2	<2	<2	<2	<6	<5	628	7.84 H	396	46	80	25.8	0.31	1.3	1	—	—	—	—	—	—	42	—	—	—	—	—
M01-0410	ACW #15	02-Aug-01	<2	<2	<2	—	—	<2	—	627	8.03	397	82	75	22.9	0.39	1.3	0.98	—	—	—	—	—	—	38	—	—	—	—	—
M01-0489	ACW #15	25-Oct-01	<2	<2	<2	<2	<2	<6	—	627	7.86	393	56	85	19.9	<1	1.4	1	—	<0.05	<0.1	0.042	0.22	<0.005	37	<0.01	<0.01	<0.005	—	—
M02-0043	ACW #15	19-Feb-02	<2.0	3.4	2.0	—	—	<11	—	629	7.83 H	369	27	79	—	0.31	1.4	0.97	—	—	—	—	—	—	35	—	—	—	—	—
M02-0043	ACW #15 R	19-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	<2.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0044	ACW #15D	19-Feb-02	<2.0	<2.0	<2.0	—	—	<7.0	—	628	8.11 H	355	31	76	—	0.32	1.4	0.81	—	—	—	—	—	—	52	—	—	—	—	—
M02-0044	ACW #15D R	19-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	<2.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-27	ACW #15	02-May-02	<2.0	<2.0	<2.0	—	—	<2.0	<5.0	—	670	7.79 H	404	30	110	—	<1	1.4	1.0	—	—	—	—	—	42	—	—	—	—	—
4	ACW #15	25-Sep-02	<2.0	<2.0	<2.0	—	—	<4.0	<5.0	—	777	7.91 H	552	130	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-26	ACW #15	08-Nov-02	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	—	640	7.76 H	380	30	110	—	<0.50	1.5	1.3	—	—	0.010	—	0.25	—	47	—	—	—	—	—
2002110896-27	ACW #15D	08-Nov-02	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	—	620	7.78 H	410	29	110	—	<0.50	1.3	1.3	—	—	0.011	—	0.23	—	46	—	—	—	—	—
2003030313/14112-2	ACW #15	28-Mar-03	<2.0	<2.0	<2.0	—	—	<6.0	—	700	8.0 H	472	31.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2003050651-5	ACW #15	19-May-03	<2.0	<2.0	<2.0	—	—	<6.0	—	651	7.7 H	442	30.0	—	—	—	—	—	—	—	—	—	—	—	45.300	—	—	—	—	—
2003080979-4	ACW #15	19-Aug-03	<2.0	<2.0	<2.0	—	—	<6.0	—	650	6.99	438	29.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2003101363-26	ACW #15	07-Nov-03	<2.0	<2.0	<2.0	—	—	<6.0	—	644	7.0	436	26.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004020197-5	ACW #15	26-Feb-04	<2.0	<2.0	<2.0	—	—	<6.0	—	600	6.7	410	27.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2040506047-3	ACW #15	12-May-04	<2.0	<2.0	<2.0	—	—	<6.0	—	655	7.0	436	27.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2040811157-3	ACW #15	24-Aug-04	<2.0	<2.0	<2.0	—	—	<6.0	—	587	7.2	382	26.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2041111601-24	ACW #15	11-Nov-04	<1.0	<1.0	<1.0	—	—	<2.0	—	760	7.3	468	29.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2050520148-3	ACW #15	14-Feb-05	<2.0	<2.0	<2.0	—	—	<6.0	—	937	7.0	444	30.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2050505586-10	ACW #15	24-May-05	<2.0	<2.0	<2.0	—	—	<6.0	—	655	7.3	513	61.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2050505586-11	ACW #15D	24-May-05	<2.0	<2.0	<2.0	—	—	<6.0	—	—	—	458	34.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2050810513-3	ACW #15	22-Aug-05	<2.0	<2.0	<2.0	—	—	<6.0	—	743	6.9	456	31.0	—	—	24.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2006121523-22	ACW #15	14-Dec-05	<2.0	<2.0	<2.0	—	—	<6.0	—	754	7.1	452	32.0	—	—	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as $CaCO_3$), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as $CaCO_3$), mg/l
M02-0042	ACW #14	19-Feb-02	---	---	16	---	---	---	---	5.9	---	9.8	---	82	---	---	170	170	<25	<25	180
M02-0042	ACW #14 R	19-Feb-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002040220-18	ACW #14	30-Apr-02	---	---	21	---	---	---	---	6.3	---	31	---	90	---	---	180	180	<25	<25	230
1	ACW #14	25-Sep-02	---	---	---	---	---	---	---	---	---	---	---	81	---	---	---	---	---	---	---
2002110896-11	ACW #14	04-Nov-02	0.38	---	22	0.018	---	---	---	7.6	---	50	---	97	---	---	180	180	<2.0	<2.0	240
2002110896-12	ACW #14D	04-Nov-02	0.40	---	23	0.018	---	---	---	7.7	---	51	---	99	---	---	180	180	<2.0	<2.0	240
2003030318/T4096-3	ACW #14	26-Mar-03	---	---	---	---	---	---	---	---	---	---	---	62.200	---	---	---	---	---	---	---
2003050551-6	ACW #14	20-May-03	---	---	20.800	---	---	---	---	---	---	---	---	77.800	---	---	186	---	---	---	224
2003050551-7	ACW #14D	20-May-03	---	---	20.100	---	---	---	---	---	---	---	---	75.600	---	---	195	---	---	---	216
2003080979-6	ACW #14	20-Aug-03	---	---	20.300	---	---	---	---	---	---	---	---	88.400	---	---	197	---	---	---	216
2003080979-7	ACW #14D	20-Aug-03	---	---	20.300	---	---	---	---	---	---	---	---	88.900	---	---	198	---	---	---	216
2003101363-14	ACW #14	05-Nov-03	---	---	---	---	---	---	---	---	---	---	---	87.500	---	---	---	---	---	---	---
2004020197-7	ACW #14	26-Feb-04	---	---	---	---	---	---	---	---	---	---	---	89.800	---	---	---	---	---	---	---
2004020197-8	ACW #14D	26-Feb-04	---	---	---	---	---	---	---	---	---	---	---	89.100	---	---	---	---	---	---	---
2004050647-5	ACW #14	12-May-04	---	---	---	---	---	---	---	---	---	---	---	87.300	---	---	---	---	---	---	---
2004081157-5	ACW #14	24-Aug-04	---	---	---	---	---	---	---	---	---	---	---	85.500	---	---	---	---	---	---	---
2004111601-25	ACW #14	12-Nov-04	---	---	---	---	---	---	---	---	---	---	---	88.7	---	---	---	---	---	---	---
2005020148-5	ACW #14	14-Feb-05	---	---	---	---	---	---	---	---	---	---	---	88.0	---	---	---	---	---	---	---
2005020148-6	ACW #14D	14-Feb-05	---	---	---	---	---	---	---	---	---	---	---	82.9	---	---	---	---	---	---	---
2005050586-8	ACW #14	24-May-05	---	---	---	---	---	---	---	---	---	---	---	82.000	---	---	---	---	---	---	---
2005081051-5	ACW #14	22-Aug-05	---	---	---	---	---	---	---	---	---	---	---	87.400	---	---	---	---	---	---	---
2005121523-17	ACW #14	14-Dec-05	---	---	---	---	---	---	---	---	---	---	---	92.100	---	---	---	---	---	---	---
2006020147-5	ACW #14	13-Feb-06	---	---	---	---	---	---	---	---	---	---	---	80.500	---	---	---	---	---	---	---
2006020147-6	ACW #14D	13-Feb-06	---	---	---	---	---	---	---	---	---	---	---	81.200	---	---	---	---	---	---	---
2006050558-7	ACW #14	09-May-06	---	---	---	---	---	---	---	---	---	---	---	74.800	---	---	---	---	---	---	---
2006081053-5	ACW #14	22-Aug-06	---	---	---	---	---	---	---	---	---	---	---	80.200	---	---	---	---	---	---	---
2006081053-6	ACW #14D	22-Aug-06	---	---	---	---	---	---	---	---	---	---	---	82.500	---	---	---	---	---	---	---
2007030225-20	ACW #14	07-Mar-07	---	---	---	---	---	---	---	---	---	---	---	85.7	---	---	---	---	---	---	---
2007030225-21	ACW #14D	07-Mar-07	---	---	---	---	---	---	---	---	---	---	---	89.3	---	---	---	---	---	---	---
2007050615-5	ACW #14	15-May-07	---	---	---	---	---	---	---	---	---	---	---	86.5	---	---	---	---	---	---	---
2007081015-5	ACW #14	22-Aug-07	---	---	---	---	---	---	---	---	---	---	---	80.2	---	---	---	---	---	---	---
2007081015-6	ACW #14D	22-Aug-07	---	---	---	---	---	---	---	---	---	---	---	77.3	---	---	---	---	---	---	---
2007111584-19	ACW #14	14-Nov-07	---	---	---	---	---	---	---	---	---	---	---	88	---	---	---	---	---	---	---
2007111584-20	ACW #14D	14-Nov-07	---	---	---	---	---	---	---	---	---	---	---	85.5	---	---	---	---	---	---	---
M99-0206	ACW #15	23-Oct-99	0.75	<0.005	20	0.051	<0.0002	0.040	<0.02	28	---	30	<0.005	130	<0.0005	0.096	130	130	<25	<25	250
M00-0026	ACW #15	23-Feb-00	---	---	15	---	---	---	---	5.7	---	27	---	81	---	---	170	170	<25	<25	220
M00-0027	ACW #15D	23-Feb-00	---	---	15	---	---	---	---	5.8	---	24	---	82	---	---	180	180	<25	<25	210
M00-0095	ACW #15	11-May-00	---	---	14	---	---	---	---	4.9	---	29	---	76	---	---	170	170	<25	<25	170
M00-0200	ACW #15	08-Aug-00	---	---	14	---	---	---	---	9.1	---	34	---	77	---	---	170	170	<25	<25	160
M00-0236	ACW #15	02-Nov-00	0.22	<0.05	18	0.026	<0.0002	---	---	16	<0.1	27	<0.02	250	---	<0.1	180	180	<25	<25	210
M01-0014	ACW #15	20-Feb-01	---	---	14	---	---	---	---	8.6	---	31	---	100	---	---	160	160	<25	<25	160
M01-0015	ACW #15D	20-Feb-01	---	---	13	---	---	---	---	7.5	---	31	---	96	---	---	180	180	<25	<25	150
M01-0160	ACW #15	07-May-01	---	---	14	---	---	---	---	5.8	---	32	---	80	---	---	180	180	<25	<25	160
M01-0161	ACW #15D	07-May-01	---	---	14	---	---	---	---	6.2	---	32	---	81	---	---	180	180	<25	<25	160
M01-0410	ACW #15	02-Aug-01	---	---	13	---	---	---	---	9.2	---	35	---	76	---	---	170	170	<25	<25	150
M01-0489	ACW #15	25-Oct-01	0.17	<0.05	13	0.0073	0.0003	<0.01	<0.04	72	<0.1	34	<0.02	72	<0.005	<0.1	170	170	<25	<25	150
M02-0043	ACW #15	19-Feb-02	---	---	12	---	---	---	---	18	---	18	---	74	---	---	170	170	<25	<25	140
M02-0043	ACW #15 R	19-Feb-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M02-0044	ACW #15D	19-Feb-02	---	---	15	---	---	---	---	9.6	---	18	---	49	---	---	160	160	<25	<25	190
M02-0044	ACW #15D R	19-Feb-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
200240220-27	ACW #15	02-May-02	---	---	15	---	---	---	---	5.8	---	33	---	77	---	---	180	180	<25	<25	170
4	ACW #15	25-Sep-02	---	---	---	---	---	---	---	---	---	---	---	72	---	---	---	---	---	---	---
2002110896-26	ACW #15	08-Nov-02	0.16	---	16	<0.010	---	---	---	6.1	---	50	---	85	---	---	190	190	<2.0	<2.0	180
2002110896-27	ACW #15D	08-Nov-02	0.15	---	15	<0.010	---	---	---	5.9	---	53	---	81	---	---	180	180	<2.0	<2.0	180
2003030318/T4112-2	ACW #15	28-Mar-03	---	---	---	---	---	---	---	---	---	---	---	55.200	---	---	---	---	---	---	---
2003050551-5	ACW #15	19-May-03	---	---	16.300	---	---	---	---	---	---	---	---	66.000	---	---	182	---	---	---	180
2003080979-4	ACW #15	19-Aug-03	---	---	16.500	---	---	---	---	---	---	---	---	77.000	---	---	196	---	---	---	179
2003101363-26	ACW #15	07-Nov-03	---	---	---	---	---	---	---	---	---	---	---	71.000	---	---	---	---	---	---	---
2004020197-5	ACW #15	26-Feb-04	---	---	---	---	---	---	---	---	---	---	---	74.500	---	---	---	---	---	---	---
2004050647-3	ACW #15	12-May-04	---	---	---	---	---	---	---	---	---	---	---	70.700	---	---	---	---	---	---	---
2004081157-3	ACW #15	24-Aug-04	---	---	---	---	---	---	---	---	---	---	---	73.700	---	---	---	---	---	---	---
2004111601-24	ACW #15	11-Nov-04	---	---	---	---	---	---	---	---	---	---	---	73.5	---	---	---	---	---	---	---
2005020148-3	ACW #15	14-Feb-05	---	---	---	---	---	---	---	---	---	---	---	71.2	---	---	---	---	---	---	---
2005050586-10	ACW #15	24-May-05	---	---	---	---	---	---	---	---	---	---	---	78.800	---	---	---	---	---	---	---
2005050586-11	ACW #15D	24-May-05	---	---	---	---	---	---	---	---	---	---	---	72.100	---	---	---	---	---	---	---
2005081051-3	ACW #15	22-Aug-05	---	---	---	---	---	---	---	---	---	---	---	75.300	---	---	---	---	---	---	---
2005121523-22	ACW #15	14-Dec-05	---	---	---	---	---	---	---	---	---	---	---	74.100	---	---	---	---	---	---	---

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Date	Sample Description	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umhos/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l
20060201417-3	ACW #15		<2.0	<2.0	—	—	—	—	<6.0	—	—	730	7.2	444	39.0	—	18.5	—	—	—	—	—	—	—	—	—	—	—	—	—
20060505558-3	ACW #15		<2.0	<2.0	—	—	—	—	<6.0	—	—	721	7.2	377	33.0	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—
20060810053-4	ACW #15		<2.0	<2.0	—	—	—	—	<6.0	—	—	708	7.1	414	41.0	—	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—
20070302225-31	ACW #15		<1	<1	—	<1	<1	—	<1	—	—	716	7.4	457	44.1	—	20.2	—	—	—	—	—	—	—	—	—	—	—	—	—
20070506615-3	ACW #15		<1	<1	—	<1	<1	—	<1	—	—	794	7.3	514	43.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20070810151-1	ACW #15		<1	<1	—	<1	<1	—	<1	—	—	799	7.3	47	1.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20071111584-25	ACW #15		<1	<1	—	<1	<1	—	<1	—	—	752	7.3	520	50	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0241	RW #1	03-Nov-00	130	40	73	—	—	—	120	—	—	62,000	8.3	43,900	32,000	790	19.3	<200	6.0	0.10	—	—	0.82	0.47	24	<0.05	760	<0.05	—	<0.025
20040111601-5	RW #1	09-Nov-04	114 R	24.1	70.3	—	—	—	62.1	—	—	67,670	8.2	39,900	23,700	—	20.2	—	—	—	—	—	—	—	—	—	—	—	—	—
20051215233-33	RW #1	15-Dec-05	136	20.7	90.5	—	—	—	91.8	—	—	48,800	8.5	32,600	13,600	—	16.9	—	—	—	—	—	—	—	—	—	—	—	—	—
20070302225-5	RW #1	05-Mar-07	93	25	59	54	17	71	47,800	8.5	—	47,800	8.5	30,400	22,500	—	19.8	—	—	—	—	—	—	—	—	—	—	—	—	—
20071115844	RW #1	12-Nov-07	110	47	69	61	20	81	44,900	8.8	—	29,700	8.8	16,800	—	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0239	RW #2	03-Nov-00	<5	<5	<5	—	—	<10	—	7,340	6.8	5,660	6.8	2,800	240	<20	19.3	<200	0.44	0.11	—	—	<0.1	0.18	<0.1	<0.01	610	0.012	—	<0.005
M01-0485	RW #2	25-Oct-01	—	—	—	—	—	—	—	—	—	8,380	—	5,050	2,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20021108896-22	RW #2	06-Nov-02	1.5	<1.0	<1.0	<2.0	—	<1.0	<3.0	—	—	8,700	6.78 H	5,800	3,500	260	—	2.0	<0.40	<0.20	—	—	0.014	—	0.65	—	730	—	—	—
20041116016-16	RW #2	10-Nov-04	2.1	0.48 J	<1.0	—	—	—	<2.0	—	—	5,870	7.1	7,000	2,850	—	21.3	—	—	—	—	—	—	—	—	—	—	—	—	—
20051215223-18	RW #2	14-Dec-05	1.9 J	<2.0	<2.0	—	—	—	<6.0	—	—	8,450	6.4	5,060	2,280	—	16.2	—	—	—	—	—	—	—	—	—	—	—	—	—
20070302225-16	RW #2	06-Mar-07	4.2	<1	<1	<1	—	<1	<1	—	—	10,320	6.5	7,200	3,950	—	21.2	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #1	ENSR #1	07-May-97	7.3	3.7	2.4	—	—	—	2	—	—	8,620	—	5,200	3,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #1	ENSR #1	21-Oct-97	13	6.3	4.2	—	—	—	5.6	—	—	13,800	—	7,600	4,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0172	ENSR #1	12-May-98	13	4.6	4.0	—	—	—	4.4	—	—	12,000	—	6,700	3,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0457	ENSR #1	20-Oct-98	—	—	—	—	—	—	—	—	—	12,400	—	7,590	4,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0004	ENSR #1	11-May-99	—	—	—	—	—	—	—	—	—	14,700	—	8,450	5,500	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0188	ENSR #1	20-Oct-99	—	—	—	—	—	—	—	—	—	12,400	—	6,290	4,100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0082	ENSR #1	09-May-00	—	—	—	—	—	—	—	—	—	12,800	—	7,420	6,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0220	ENSR #1	27-Oct-00	—	—	—	—	—	—	—	—	—	10,200	—	6,690	3,800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0221	ENSR #1D	27-Oct-00	—	—	—	—	—	—	—	—	—	10,600	—	7,140	4,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0141	ENSR #1	02-May-01	—	—	—	—	—	—	—	—	—	19,200	—	10,200	7,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0470	ENSR #1	23-Oct-01	—	—	—	—	—	—	—	—	—	15,300	—	8,050	5,100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0471	ENSR #1D	23-Oct-01	—	—	—	—	—	—	—	—	—	11,400	—	6,070	3,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20020402202-04	ENSR #1	29-Apr-02	—	—	—	—	—	—	—	—	—	9,480	—	4,770	3,800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20021108896-7	ENSR #1	04-Nov-02	18	<10	<10	<20	<10	<30	—	—	—	12,000	7.28 H	7,600	4,500	34	20.8	1.0	3.0	0.25 H	—	—	0.046	—	0.76	—	140	—	—	—
20031103631-13	ENSR #1	04-Nov-03	131	12 J	3.1	—	—	—	3.1 J	—	—	6,510	7.1	2,260	2,600	—	21.7	—	—	—	—	—	—	—	—	—	—	—	—	—
20041116016-11	ENSR #1	10-Nov-04	10.8	1.1	2.8	—	—	—	2.0	—	—	5,800	7.1	3,900	1,920	—	20.1	—	—	—	—	—	—	—	—	—	—	—	—	—
20041116016-12	ENSR #1D	10-Nov-04	11.4 R	1.3	2.4	—	—	—	1.7 J	—	—	—	—	3,150	1,420	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20051215233-9	ENSR #1	13-Dec-05	9.9	<2.0	2.2	—	—	—	<6.0	—	—	5,530	7.2	2,740	1,120	—	19.1	—	—	—	—	—	—	—	—	—	—	—	—	—
20070302225-10	ENSR #1	06-Mar-07	7.4	<1	2.5	2.4	<1	2.4	—	—	—	4,860	7.3	4,010	2,230	—	16.3	—	—	—	—	—	—	—	—	—	—	—	—	—
20071111584-12	ENSR #1	13-Nov-07	11	<1	3.7	1.9	<1	1.9	—	—	—	7,430	7.1	2,830	1,230	—	19.6	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #2	ENSR #2	06-May-97	260	230	110	—	—	—	190	—	—	50,000	—	27,000	17,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #2	ENSR #2	20-Oct-97	130	160	77	—	—	—	120	—	—	57,900	—	30,000	17,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0169	ENSR #2	12-May-98	—	—	—	—	—	—	—	—	—	38,000	—	21,000	13,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0453	ENSR #2	19-Oct-98	—	—	—	—	—	—	—	—	—	44,800	—	30,000	18,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0009	ENSR #2	11-May-99	—	—	—	—	—	—	—	—	—	49,100	—	31,200	18,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0183	ENSR #2	19-Oct-99	—	—	—	—	—	—	—	—	—	28,900	—	16,600	9,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0080	ENSR #2	09-May-00	—	—	—	—	—	—	—	—	—	42,900	—	26,700	18,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0495	ENSR #2	29-Oct-01	—	—	—	—	—	—	—	—	—	42,000	—	25,100	13,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20041116016	ENSR #2	09-Nov-04	72.1 R	28.4	18.1	—	—	—	93.8	—	—	35,500	9.1	22,500	12,900	—	21.5	—	—	—	—	—	—	—	—	—	—	—	—	—
20051215223	ENSR #2	14-Dec-05	49.4	53.4	21.5	—	—	—	32.9	—	—	34,400	9.3	20,600	10,400	—	18.1	—	—	—	—	—	—	—	—	—	—	—	—	—
20070302225-8	ENSR #2	05-Mar-07	10	12	4.5	5.5	1.8	7.3	—	—	—	33,300	9.3	22,100	12,400	—	20.1	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3	ENSR #3	07-May-97	7.6	3.3	2.9	—	—	—	3	—	—	2,050	—	1,500	650	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3D	ENSR #3D	07-May-97	6.8	3.1	2.8	—	—	—	2.9	—	—	1,990	—	1,400	480	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3	ENSR #3	21-Oct-97	5	2.5	3	—	—	—	4.1	—	—	2,230	—	1,300	580	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0175	ENSR #3	12-May-98	9.5	3.4	1.9	—	—	—	2.7	—	—	2,400	—	1,400	610	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0176	ENSR #3D	12-May-98	14	4.4	2.3	—	—	—	4.4	—	—	2,200	—	1,300	550	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0461	ENSR #3	20-Oct-98	—	—	—	—	—	—	—	—	—	2,260	—	1,580	590	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0462	ENSR #3D	20-Oct-98	—	—	—	—	—	—	—	—	—	2,240	—	1,290	640	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0006	ENSR #3	11-May-99	—	—	—	—	—	—	—	—	—	2,490	—	1,370	500	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0007	ENSR #3D	11-May-99	—	—	—	—	—	—	—	—	—	2,480	—	1,380	610	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0189	ENSR #3	20-Oct-99	—	—	—	—	—	—	—	—	—	2,390	—	1,630	600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0190	ENSR #3D	20-Oct-99	—	—	—	—	—	—	—	—	—	2,390	—	1,560	590	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as $CaCO_3$), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as $CaCO_3$), mg/l
2006020147-3	ACW #15	13-Feb-06	—	—	—	—	—	—	—	—	—	—	—	71,300	—	—	—	—	—	—	—
2006050558-3	ACW #15	8-May-06	—	—	—	—	—	—	—	—	—	—	—	67,600	—	—	—	—	—	—	—
2006081053-4	ACW #15	22-Aug-06	—	—	—	—	—	—	—	—	—	—	—	72,400	—	—	—	—	—	—	—
2007030225-31	ACW #15	8-Mar-07	—	—	—	—	—	—	—	—	—	—	—	76.6	—	—	—	—	—	—	—
2007050615-3	ACW #15	15-May-07	—	—	—	—	—	—	—	—	—	—	—	77	—	—	—	—	—	—	—
2007081015-1	ACW #15	22-Aug-07	—	—	—	—	—	—	—	—	—	—	—	<0.5	—	—	—	—	—	—	—
2007111584-25	ACW #15	15-Nov-07	—	—	—	—	—	—	—	—	—	—	—	77.5	—	—	—	—	—	—	—
M00-0241	RW #1	03-Nov-00	<0.5	<0.25	330	2.5	0.0029	—	—	100	<0.5	19	<0.1	22,000	—	<0.5	1,500	1,500	25	<25	3,200
2004111601-5	RW #1	09-Nov-04	—	—	—	—	—	—	—	—	—	—	—	12,400	—	—	—	—	—	—	—
2005121523-33	RW #1	15-Dec-05	—	—	—	—	—	—	—	—	—	—	—	11,500	—	—	—	—	—	—	—
2007030225-5	RW #1	05-Mar-07	—	—	—	—	—	—	—	—	—	—	—	10,800	—	—	—	—	—	—	—
2007111584-4	RW #1	12-Nov-07	—	—	—	—	—	—	—	—	—	—	—	10,600	—	—	—	—	—	—	—
M00-0239	RW #2	03-Nov-00	0.12	<0.05	190	0.83	<0.0002	—	—	15	<0.1	39	<0.02	680	—	<0.1	470	470	<25	<25	2,300
M01-0485	RW #2	25-Oct-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-22	RW #2	06-Nov-02	0.45	—	210	0.82	—	—	—	27	—	58	—	1,400	—	—	490	490	<2.0	<2.0	2,600
2004111601-16	RW #2	10-Nov-04	—	—	—	—	—	—	—	—	—	—	—	1,220	—	—	—	—	—	—	—
2005121523-18	RW #2	14-Dec-05	—	—	—	—	—	—	—	—	—	—	—	1,100	—	—	—	—	—	—	—
2007030225-16	RW #2	06-Mar-07	—	—	—	—	—	—	—	—	—	—	—	1,510	—	—	—	—	—	—	—
ENSR #1	ENSR #1	07-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #1	ENSR #1	21-Oct-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0172	ENSR #1	12-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0457	ENSR #1	20-Oct-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0004	ENSR #1	11-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0188	ENSR #1	20-Oct-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0082	ENSR #1	09-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0220	ENSR #1	27-Oct-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0221	ENSR #1D	27-Oct-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0141	ENSR #1	02-May-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0470	ENSR #1	23-Oct-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0471	ENSR #1D	23-Oct-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-04	ENSR #1	29-Apr-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-7	ENSR #1	04-Nov-02	4.8	—	58	0.54	—	—	—	28	—	58	—	1,900	—	—	610	610	<2.0	<2.0	600
2003101363-13	ENSR #1	04-Nov-03	—	—	—	—	—	—	—	—	—	—	—	2,710	—	—	—	—	—	—	—
2004111601-11	ENSR #1	10-Nov-04	—	—	—	—	—	—	—	—	—	—	—	881	—	—	—	—	—	—	—
2004111601-12	ENSR #1D	10-Nov-04	—	—	—	—	—	—	—	—	—	—	—	823	—	—	—	—	—	—	—
2005121523-9	ENSR #1	13-Dec-05	—	—	—	—	—	—	—	—	—	—	—	969	—	—	—	—	—	—	—
2007030225-10	ENSR #1	06-Mar-07	—	—	—	—	—	—	—	—	—	—	—	882	—	—	—	—	—	—	—
2007111584-12	ENSR #1	13-Nov-07	—	—	—	—	—	—	—	—	—	—	—	1,040	—	—	—	—	—	—	—
ENSR #2	ENSR #2	06-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #2	ENSR #2	20-Oct-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0169	ENSR #2	12-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0453	ENSR #2	19-Oct-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0009	ENSR #2	11-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0183	ENSR #2	19-Oct-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0080	ENSR #2	09-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0495	ENSR #2	29-Oct-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-6	ENSR #2	09-Nov-04	—	—	—	—	—	—	—	—	—	—	—	7,840	—	—	—	—	—	—	—
2005121523-23	ENSR #2	14-Dec-05	—	—	—	—	—	—	—	—	—	—	—	7,810	—	—	—	—	—	—	—
2007030225-8	ENSR #2	05-Mar-07	—	—	—	—	—	—	—	—	—	—	—	7,840	—	—	—	—	—	—	—
ENSR #3	ENSR #3	07-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3D	ENSR #3D	07-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3	ENSR #3	21-Oct-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0175	ENSR #3	12-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0176	ENSR #3D	12-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0461	ENSR #3	20-Oct-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0462	ENSR #3D	20-Oct-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0006	ENSR #3	11-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0007	ENSR #3D	11-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0189	ENSR #3	20-Oct-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0190	ENSR #3D	20-Oct-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umhos/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature, °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l
M00-0083	ENSR #3	09-May-00	—	—	—	—	—	—	—	—	—	2,360	—	1,580	710	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0084	ENSR #3D	09-May-00	—	—	—	—	—	—	—	—	—	2,410	—	1,580	710	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0222	ENSR #3	27-Oct-00	—	—	—	—	—	—	—	—	—	2,410	—	1,870	640	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0138	ENSR #3	02-May-01	—	—	—	—	—	—	—	—	—	2,480	—	1,240	610	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0139	ENSR #3D	02-May-01	—	—	—	—	—	—	—	—	—	2,490	—	1,270	680	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0472	ENSR #3	23-Oct-01	—	—	—	—	—	—	—	—	—	2,480	—	1,300	620	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-05	ENSR #3	29-Apr-02	—	—	—	—	—	—	—	—	—	2,500	—	1,350	580	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-06	ENSR #3D	29-Apr-02	—	—	—	—	—	—	—	—	—	2,370	—	1,390	490	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-8	ENSR #3	04-Nov-02	7.1	<5.0	22	25		<5.0	25	—	—	2,100	7.09 H	1,400	520	45	—	2.3	1.2	H	—	—	0.016	—	0.55	—	200	—	—	—
2003101363-6	ENSR #3	03-Nov-03	9.3	<2.0	11.2	—	—	—	11.4	—	—	2,020	6.7	1,460	471	—	22.7	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-13	ENSR #3	10-Nov-04	12.0	0.42 J	3.8	—	—	—	3.4	—	—	2,310	6.6	1,810	561	—	20	—	—	—	—	—	—	—	—	—	—	—	—	—
2005050586-2	ENSR #3	23-May-05	13.0	<2.0	2.4	—	—	—	<6.0	—	—	2,330	6.6	1,510	523	—	23.4	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-7	ENSR #3	12-Dec-05	11.6	<2.0	3.2	—	—	—	2.7 J	—	—	2,450	6.4	1,240	564	—	20.1	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-8	ENSR #3D	12-Dec-05	11.9	<2.0	3.3	—	—	—	2.7 J	—	—	—	—	1,240	558	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-12	ENSR #3	06-Mar-07	6.7	<1	17	18		<1	18	—	—	2,150	6.6	1,460	536	—	19	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-11	ENSR #3	12-Nov-07	11	<1	22	22		<1	22	—	—	2,360	6.6	1,630	477	—	20.2	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0186	Oxy Production Well	13-May-98	<0.50	<0.50	<0.50	—	—	—	<1.0	—	—	800	7.8	480	120	61	—	<2	1.1	0.93	—	—	—	—	—	—	66	—	—	—
S98-0299	Oxy Production Well	11-Aug-98	<2	<2	<2	<2	<2	<2	<6	—	—	762	7.78	604	120	58	20.2	<1	<0.4	0.85/<0.05	3.7	—	—	—	—	—	72	—	—	—
S98-0465	Oxy Production Well	20-Oct-98	<2	<2	<2	<2	<2	<2	<6	—	—	734	7.79	488	100	55	17.3	<2	1.1	0.76	—	—	—	—	—	—	—	—	—	—
S99-0082	Oxy Production Well	23-Feb-99	<2	<2	<2	—	—	—	<2	—	—	810	7.99	407	120	45	14.5	0.5	1.0	0.71	—	—	—	—	—	—	80	—	—	—
M99-0025	Oxy Production Well	13-May-99	<2	<2	<2	—	—	—	<2	—	—	808	7.91	468	120	59	23.6	0.6	0.96	0.27	—	—	—	—	0.20	—	74	—	—	<0.0025
M99-0093	Oxy Production Well	11-Aug-99	<2	<2	<2	—	—	—	<2	—	—	831	7.67	466	140	59	20.5	0.5	1.0	0.78	—	—	—	—	—	—	75	—	—	—
M99-0203	Oxy Production Well	22-Oct-99	<2	<2	<2	—	—	—	<4	—	—	788	7.86	490	130	56	19.2	0.53	1.0	0.41	—	<0.025	0.011	0.10	0.18	—	72	<0.005	<0.005	0.022
M00-0025	Oxy Production Well	23-Feb-00	<2	<2	<2	<2.0	<2.0	<2.0	<6.0	—	—	630	7.85	392	38	77	17.6	<1.0	1.1	1.2	—	—	—	—	—	—	48	—	—	—
M00-0097	Oxy Production Well	11-May-00	<5	<5	<5	—	—	—	<10	—	—	835	7.96	504	120	63	19.6	0.50	0.99	0.84	—	—	—	—	—	—	71	—	—	—
M00-0196	Oxy Production Well	07-Aug-00	<2	<2	<2	—	—	—	<4	—	—	802	7.96	433	120	59	25.9	0.44	0.99	0.71	—	—	—	—	—	—	74	—	—	—
M00-0235	Oxy Production Well	02-Nov-00	<2	<2	<2	—	—	—	<4	—	—	662	7.8	475	120	60	18.6	<2	1.1	0.70	—	—	<0.1	0.095	0.21	<0.01	76	<0.01	—	<0.005
M01-0016	Oxy Production Well	20-Feb-01	<2	<2	<2	—	—	—	<4	<5	—	805	7.83 H	442	130	52	22.6	0.57	0.99	0.70	—	—	—	—	—	—	67	—	—	—
M01-0165	Oxy Production Well	07-May-01	<2	<2	<2	—	—	—	<2	<5	—	781	7.7 H	481	140	58	24.9	0.61	1.0	0.82	—	—	—	—	—	—	69	—	—	—
M01-0408	Oxy Production Well	01-Aug-01	<2	<2	<2 Jc	—	—	—	<2	<5	—	807	7.7	532	120	57	22.5	<2	1.0	1.0	—	—	—	—	—	—	68	—	—	—
M01-0488	Oxy Production Well	25-Oct-01	<2	<2	<2	—	—	—	<2	—	—	822	7.69	500	120	62	20.3	1.1	1.1	0.9	—	<0.05	<0.1	0.095	0.18	<0.005	67	<0.01	<0.01	<0.005
5	Oxy Production Well	25-Sep-02	<2.0	<2.0	<2.0	—	—	—	<4.0	<5.0	—	827	7.41 H	552	34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-18	Oxy Production Well	06-Nov-02	<1.0	<1.0	<1.0	<2.0		<1.0	<3.0	—	—	820	7.58 H	580	140	65	—	0.57	1.0	0.73	—	—	0.0085	—	0.18	—	69	—	—	—
2003030318/T4096-4	Oxy Supply	26-Mar-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	870	7.6 H	556	162	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2003050551-4	Oxy Supply	19-May-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	863	7.5 H	544	190	—	—	—	—	—	—	—	—	—	—	—	64.600	—	—	—
2003080979-5	Oxy Supply	19-Aug-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	786	6.86	500	126	—	—	—	—	—	—	—	—	—	—	—	71.200	—	—	—
2003101363-7	Oxy Supply	03-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	822	7.2	572	154	—	22.4	—	—	—	—	—	—	—	—	—	—	—	—	—
2004020197-1	Oxy Supply	25-Feb-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	830	6.5	548	136	—	18.4	—	—	—	—	—	—	—	—	—	—	—	—	—
2004050647-6	Oxy Supply	13-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	851	7.0	922	157	—	23.6	—	—	—	—	—	—	—	—	—	—	—	—	—
2004050647-7	Oxy Supply-D	13-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	568	162	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004081157-6	Oxy Supply	25-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	849	7.1	654	193	—	23.9	—	—	—	—	—	—	—	—	—	—	—	—	—
2004081157-7	Oxy Supply-D	25-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	650	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-23	Oxy Supply	11-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	984	7.3	588	135	—	19.6	—	—	—	—	—	—	—	—	—	—	—	—	—
2005020148-7	Oxy Supply	15-Feb-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1,226	6.9	397	29.0	—	19.5	—	—	—	—	—	—	—	—	—	—	—	—	—
2005050586-12	Oxy Supply	25-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	935	7.0	611	147	—	23.8	—	—	—	—	—	—	—	—	—	—	—	—	—
2005081051-8	Oxy Supply	23-Aug-05	<2.0 H	<2.0 H	<2.0 H	—	—	—	<6.0 H	—	—	1,190	6.9	650	217	—	24.2	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-31	Oxy Supply	15-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1,238	7.0	696	228	—	15.2	—	—	—	—	—	—	—	—	—	—	—	—	—
2006020147-7	Oxy Supply	14-Feb-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1,198	7.0	635	213	—	18.3	—	—	—	—	—	—	—	—	—	—	—	—	—
2006050558-6	Oxy Supply	08-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1,098	7.2	513	171	—	22.2	—	—	—	—	—	—	—	—	—	—	—	—	—
2006081053-9	Oxy Supply	23-Aug-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	980	7.0	9980 (556 R H)	168	—	23.7	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-29	Oxy Supply	08-Mar-07	<1	<1	<1	<1		<1	<1	—	—	1,036	7.2	730	199	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-30	Oxy Supply Dup	08-Mar-07	<1	<1	<1	<1		<1	<1	—	—	—	—	702	199	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007050615-7	Oxy Supply	16-May-07	<1	<1	<1	<1		<1	<1	—	—	1,094	7.0	699	202	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007050615-8	Oxy Supply Dup	16-May-07	<1	<1	<1	<1		<1	<1	—	—	—	—	730	201	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007091015-7	Oxy Supply	23-Aug-07	<1	<1	<1	<1		<1	<1	—	—	1,159	7.0	701	186	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-26	Oxy Supply	15-Nov-07	<1	<1	<1	<1		<1	<1	—	—	1,059	7.2	796	188	—	21	—	—	—	—	—	—	—	—	—	—	—	—	—
Production Well #1	Production Well #1	08-May-97	0.56	0.55	<0.5	—	—	—	<1.0	—	—	718	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Production Well #1	Production Well #1	23-Oct-97	<0.5	<0.5	<0.5	—	—	—	<1.0	—	—	890	—	470	91	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0193	Production Well #1	14-May-98	—	—	—	—	—	—	—	—	—	850	—	500	67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0194	Production Well #1D	14-May-98	<0.50	<0.50	<0.50	—	—	—	<1.0	—	—	860	—	520	67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0479	Production Well #1	22-Oct-98	<2	<2	<2	<2	<2	<2	<6	—	—	994	—	659	56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0030	Production Well #1	14-May-99	—	—	—	—	—	—	—	—	—	846	—	469	70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0210	Production Well #1	23-Oct-99	<2	<2	<2	<2	<2	<2	<6	—	—	891	—	540	2.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0224	Production Well #1	27-Oct-00	—	—	—	—	—	—	—	—	—	850	—	603	94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0496	Production Well #1	29-Oct-01	—	—	—	—	—	—	—	—	—	890	—	523	65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as $CaCO_3$), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as $CaCO_3$), mg/l
M00-0083	ENSR #3	09-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0084	ENSR #3D	09-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0222	ENSR #3	27-Oct-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0138	ENSR #3	02-May-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0139	ENSR #3D	02-May-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0472	ENSR #3	23-Oct-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-05	ENSR #3	29-Apr-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-06	ENSR #3D	29-Apr-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-8	ENSR #3	04-Nov-02	4.0	—	65	0.84	—	—	—	9.0	—	56	—	190	—	—	360	360	<2.0	<2.0	760
2003101363-6	ENSR #3	03-Nov-03	—	—	—	—	—	—	—	—	—	—	—	174	—	—	—	—	—	—	—
2004111601-13	ENSR #3	10-Nov-04	—	—	—	—	—	—	—	—	—	—	—	168	—	—	—	—	—	—	—
2005050586-2	ENSR #3	23-May-05	—	—	—	—	—	—	—	—	—	—	—	180.1	—	—	—	—	—	—	—
2005121523-7	ENSR #3	12-Dec-05	—	—	—	—	—	—	—	—	—	—	—	191	—	—	—	—	—	—	—
2005121523-8	ENSR #3D	12-Dec-05	—	—	—	—	—	—	—	—	—	—	—	176	—	—	—	—	—	—	—
2007030225-12	ENSR #3	06-Mar-07	—	—	—	—	—	—	—	—	—	—	—	158	—	—	—	—	—	—	—
2007111584-11	ENSR #3	12-Nov-07	—	—	—	—	—	—	—	—	—	—	—	150	—	—	—	—	—	—	—
S98-0186	Oxy Production Well	13-May-98	—	—	20	—	—	—	—	5	—	27	—	65	—	—	150	150	—	—	—
S98-0299	Oxy Production Well	11-Aug-98	—	—	20	—	—	—	—	5.0	—	28	—	67	—	—	150	150	<25	<25	260
S98-0465	Oxy Production Well	20-Oct-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	160	160	<25	<25	240
S99-0082	Oxy Production Well	23-Feb-99	—	—	24	—	—	—	—	6.2	—	24	—	82	—	—	160	160	<25	<25	300
M99-0025	Oxy Production Well	13-May-99	0.74	—	22	0.015	—	—	—	5.1	—	32	—	71	—	0.28	150	150	<25	<25	280
M99-0093	Oxy Production Well	11-Aug-99	—	—	22.0	—	—	—	—	4.7	—	27	—	72	—	—	140	140	<25	<25	280
M99-0203	Oxy Production Well	22-Oct-99	2.8	0.0057	21	0.078	<0.0002	0.0049	<0.02	4.8	—	21	<0.005	73	<0.005	0.50	140	140	<25	<25	270
M00-0025	Oxy Production Well	23-Feb-00	—	—	16	—	—	—	—	4.1	—	23	—	71	—	—	190	190	<25	<25	180
M00-0097	Oxy Production Well	11-May-00	—	—	21	—	—	—	—	5.0	—	35	—	72	—	—	150	150	<25	<25	260
M00-0196	Oxy Production Well	07-Aug-00	—	—	21	—	—	—	—	5.2	—	48	—	68	—	—	150	150	<25	<25	260
M00-0235	Oxy Production Well	02-Nov-00	0.93	<0.05	22	0.019	<0.0002	—	—	5.8	<0.1	31	<0.02	71	—	0.32	150	150	<25	<25	280
M01-0016	Oxy Production Well	20-Feb-01	—	—	20	—	—	—	—	5.8	—	33	—	68	—	—	140	140	<25	<25	250
M01-0165	Oxy Production Well	07-May-01	—	—	20	—	—	—	—	4.8	—	34	—	65	—	—	160	160	<25	<25	250
M01-0408	Oxy Production Well	01-Aug-01	—	—	21	—	—	—	—	4.3	—	32	—	66	—	—	150	150	<25	<25	260
M01-0488	Oxy Production Well	25-Oct-01	0.31	<0.05	20	0.0088	<0.0002	<0.01	<0.04	5.1	<0.1	47	<0.02	64	<0.005	0.21	140	140	<25	<25	250
5	Oxy Production Well	25-Sep-02	—	—	—	—	—	—	—	—	—	—	—	60	—	—	—	—	—	—	—
2002110896-18	Oxy Production Well	06-Nov-02	2.2	—	21	0.086	—	—	—	5.7	—	40	—	73	—	—	150	150	<2.0	<2.0	260
2003030318/T4096-4	Oxy Supply	26-Mar-03	—	—	—	—	—	—	—	—	—	—	—	52.700	—	—	—	—	—	—	—
2003050551-4	Oxy Supply	19-May-03	—	—	18.600	—	—	—	—	—	—	—	—	61.400	—	—	148	—	—	—	238
2003080979-5	Oxy Supply	19-Aug-03	—	—	21.100	—	—	—	—	—	—	—	—	64.200	—	—	173	—	—	—	265
2003101363-7	Oxy Supply	03-Nov-03	—	—	—	—	—	—	—	—	—	—	—	61.800	—	—	—	—	—	—	—
2004020197-1	Oxy Supply	25-Feb-04	—	—	—	—	—	—	—	—	—	—	—	69.800	—	—	—	—	—	—	—
2004050647-6	Oxy Supply	13-May-04	—	—	—	—	—	—	—	—	—	—	—	70.000	—	—	—	—	—	—	—
2004050647-7	Oxy Supply-D	13-May-04	—	—	—	—	—	—	—	—	—	—	—	66.600	—	—	—	—	—	—	—
2004081157-6	Oxy Supply	25-Aug-04	—	—	—	—	—	—	—	—	—	—	—	71.800	—	—	—	—	—	—	—
2004081157-7	Oxy Supply-D	25-Aug-04	—	—	—	—	—	—	—	—	—	—	—	73.300	—	—	—	—	—	—	—
2004111601-23	Oxy Supply	11-Nov-04	—	—	—	—	—	—	—	—	—	—	—	65.6	—	—	—	—	—	—	—
2005020148-7	Oxy Supply	15-Feb-05	—	—	—	—	—	—	—	—	—	—	—	64.2	—	—	—	—	—	—	—
2005050586-12	Oxy Supply	25-May-05	—	—	—	—	—	—	—	—	—	—	—	63.1	—	—	—	—	—	—	—
2005081051-8	Oxy Supply	23-Aug-05	—	—	—	—	—	—	—	—	—	—	—	83.600	—	—	—	—	—	—	—
2005121523-31	Oxy Supply	15-Dec-05	—	—	—	—	—	—	—	—	—	—	—	85.300	—	—	—	—	—	—	—
2006020147-7	Oxy Supply	14-Feb-06	—	—	—	—	—	—	—	—	—	—	—	75.800	—	—	—	—	—	—	—
2006050558-6	Oxy Supply	08-May-06	—	—	—	—	—	—	—	—	—	—	—	71.400	—	—	—	—	—	—	—
2006081053-9	Oxy Supply	23-Aug-06	—	—	—	—	—	—	—	—	—	—	—	66.000	—	—	—	—	—	—	—
2007030225-29	Oxy Supply	08-Mar-07	—	—	—	—	—	—	—	—	—	—	—	73.8	—	—	—	—	—	—	—
2007030225-30	Oxy Supply Dup	08-Mar-07	—	—	—	—	—	—	—	—	—	—	—	74.5	—	—	—	—	—	—	—
2007050615-7	Oxy Supply	16-May-07	—	—	—	—	—	—	—	—	—	—	—	73.1	—	—	—	—	—	—	—
2007050615-8	Oxy Supply Dup	16-May-07	—	—	—	—	—	—	—	—	—	—	—	75.4	—	—	—	—	—	—	—
2007091015-7	Oxy Supply	23-Aug-07	—	—	—	—	—	—	—	—	—	—	—	67.8	—	—	—	—	—	—	—
2007111584-26	Oxy Supply	15-Nov-07	—	—	—	—	—	—	—	—	—	—	—	70.8	—	—	—	—	—	—	—
Production Well #1	Production Well #1	08-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Production Well #1	Production Well #1	23-Oct-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0193	Production Well #1	14-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0194	Production Well #1D	14-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0479	Production Well #1	22-Oct-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0030	Production Well #1	14-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0210	Production Well #1	23-Oct-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0224	Production Well #1	27-Oct-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0496	Production Well #1	29-Oct-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umho/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l
2002110896-30	EPNG #1	08-Nov-02	<1.0	<1.0	<1.0	<2.0		<1.0	<3.0	—	—	940	7.20 H	600	60	130	—	<0.50	1.3	1.5	—	—	0.010	—	0.24	—	98	—	—	—
2003101363-27	EPNG #1	07-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	733	6.8	600	62.0	—	16.4	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-30	EPNG #1	12-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	963	7.1	516	68.0	—	17.8	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-28	EPNG #1	15-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1,103	6.8	674	52.0	—	18	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-34	EPNG #1	09-Mar-07	<1	<1	<1	<1		<1	<1	—	—	747	7.3	485	58	—	20.9	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-29	EPNG #1	16-Nov-07	<1	<1	<1	<1		<1	<1	—	—	738	7.1	851	52.3	—	20.5	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-30	EPNG #1D	16-Nov-07	<1	<1	<1	<1		<1	<1	—	—	—	—	670	52.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0057	Production Well Dooms	24-Feb-98	<0.50	<0.50	<0.50	—	—	—	<1.0	—	—	634	8.1	410	38	85	—	0.3	1.1	1.2	—	—	—	—	—	—	46	—	—	—
S98-0180	Production Well Dooms	13-May-98	<0.50	<0.50	<0.50	—	—	—	<1.0	—	—	640	7.8	410	30	81	—	<2	1.2	1.2	—	—	—	—	—	—	—	—	—	—
S98-0292	Production Well Dooms	10-Aug-98	<2	<2	<2	<2	<2	<2	<6	—	—	629	7.76	450	34	83	20.2	<1	<0.4	1.2/<0.05	5.3	—	—	—	—	—	53	—	—	—
S98-0464	Production Well Dooms	20-Oct-98	<2	<2	<2	<2	<2	<2	<6	—	—	636	7.71	464	35	80	18.0	<2	1.0	1.2	—	—	—	—	0.22	—	52	—	—	<0.0025
S99-0081	Production Well Dooms	23-Feb-99	<2	<2	<2	—	—	—	<2	—	—	627	7.86	364	31	73	14.9	0.3	0.89	0.89	—	—	—	—	—	—	48	—	—	—
M99-0018	Production Well Dooms	13-May-99	<2	<2	<2	—	—	—	<2	—	—	630	7.76	381	34	80	23.6	0.4	0.84	0.62	—	—	—	—	0.24	—	51	—	—	<0.0025
M99-0092	Production Well Dooms	11-Aug-99	<2	<2	<2	—	—	—	<2	—	—	629	7.69	372	30	79	19.8	0.2	0.83	1.1	—	—	—	—	—	—	51	—	—	—
M99-0193	Production Well Dooms	21-Oct-99	<2	<2	<2	—	—	—	<4	—	—	617	7.74	400	32	74	19.2	0.29	0.86	1.1	—	0.042	0.0096	0.047	0.23	<0.002	51	<0.005	<0.005	0.0021
M00-0022	Production Well Dooms	23-Feb-00	<2	<2	<2	<2.0	<2.0	<2.0	<6.0	—	—	814	7.92	506	130	54	17.4	0.58	1.1	0.72	—	—	—	—	—	—	68	—	—	—
M00-0094	Production Well Dooms	10-May-00	<5	<5	<5	—	—	—	<10	—	—	619	7.69	417	31	77	21.3	0.27	0.82	1.2	—	—	—	—	—	—	44	—	—	—
M00-0204	Production Well Dooms	14-Aug-00	<5	<5	<5	—	—	—	<10	—	—	597	7.72	400	28	75	27.2	<0.2	0.93	1.2	—	—	—	—	—	—	50	—	—	—
M00-0233	Production Well Dooms	02-Nov-00	<2	<2	<2	—	—	—	<4	—	—	530	7.8	375	32	79	18.4	<2	1.0	0.95	—	—	<0.1	0.045	0.25	<0.01	53	<0.01	—	0.037
M01-0010	Production Well Dooms	20-Feb-01	<2	<2	<2	—	—	—	<4	<5	—	619	7.75 H	372	33	66	23.0	0.35	0.85	1.1	—	—	—	—	—	—	46	—	—	—
M01-0143	Production Well Dooms	03-May-01	<2	<2	<2	—	—	—	<2	<5	—	615	7.75	419	30	74	22.7	0.51	0.91	1	—	—	—	—	—	—	49	—	—	—
M01-0409	Production Well Dooms	01-Aug-01	<2	<2	<2 Jc	—	—	—	<2	<5	—	618	7.72	374	28	75	22.7	<2	0.92	1.2	—	—	—	—	—	—	44	—	—	—
M01-0497	Production Well Dooms	29-Oct-01	<2	<2	<2	<2	<2	<2	<6	—	—	622	7.80	396	28	74	22.7	<2	0.96	1.2	—	<0.05	<0.1	0.037	0.21	<0.005	44	<0.01	<0.01	<0.005
M02-0050	Production Well Dooms	20-Feb-02	<2.0	19	3.9	—	—	—	24	—	—	620	7.68 H	373	31	64	—	0.33	0.92	0.97	—	—	—	—	—	—	45	—	—	—
M02-0050	Production Well Dooms R	20-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	—	<2.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0062-01	Production Well Dooms	27-Mar-02	<2.0	<2.0	<2.0	—	—	—	<2.0	<5.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-29	Production Well Dooms	02-May-02	<2.0	<2.0	<2.0	—	—	—	<2.0	<5.0	—	624	7.70 H	351	30	74	—	<1.0	0.92	<1.0	—	—	—	—	—	—	45	—	—	—
6	Production Well Dooms	25-Sep-02	<2.0	<2.0	<2.0	—	—	—	<4.0	<5.0	—	626	7.73 H	411	68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-17	Production Well Dooms	05-Nov-02	<1.0	<1.0	<1.0	<2.0		<1.0	<3.0	—	—	620	7.85 H	470	29	86	—	<0.50	1.1	1.0	—	—	0.010	—	0.21	—	43	—	—	—
2003030318/T4096-5	Doom Supply	26-Mar-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	585	7.7 H	386	30.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2003050551-8	Doom Supply	20-May-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	602	7.9 H	410	36.0	—	—	—	—	—	—	—	—	—	—	—	48.000	—	—	—
2003080979-8	Doom Supply	20-Aug-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	561	7.14	366	30.8	—	—	—	—	—	—	—	—	—	—	—	43.900	—	—	—
2003101363-24	Doom Supply	06-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	5.88	6.7	406	28.3	—	16.0	—	—	—	—	—	—	—	—	—	—	—	—	—
2003101363-25	Doom Supply-D	06-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	398	28.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004020197-2	Doom Supply	25-Feb-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	583	7.6	388	28.0	—	18.2	—	—	—	—	—	—	—	—	—	—	—	—	—
2004050647-8	Doom Supply	13-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	609	7.9	396	2.6	—	23.8	—	—	—	—	—	—	—	—	—	—	—	—	—
2004081157-8	Doom Supply	25-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	567	7.2	390	43.0	—	23.4	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-33	Doom Supply	15-Nov-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	602	6.9	1.00 (404)	28.0	—	17.8	—	—	—	—	—	—	—	—	—	—	—	—	—
2005020148-8	Doom Supply	15-Feb-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	784	7.3	659	84.0	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—
2005050586-13	Doom Supply	25-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	619	7.1	403	29.0	—	23.7	—	—	—	—	—	—	—	—	—	—	—	—	—
2005081051-6	Doom Supply	23-Aug-05	<2.0 H	<2.0 H	<2.0 H	—	—	—	<6.0 H	—	—	652	6.9	384	29.0	—	23.6	—	—	—	—	—	—	—	—	—	—	—	—	—
2005081051-7	Doom Supply-D	23-Aug-05	<2.0 H	<2.0 H	<2.0 H	—	—	—	<6.0 H	—	—	—	—	384	29.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-32	Doom Supply	15-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	641	6.9	408	29.0	—	16.4	—	—	—	—	—	—	—	—	—	—	—	—	—
2006020147-8	Doom Supply	14-Feb-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	645	7.2	384	28.0	—	17.9	—	—	—	—	—	—	—	—	—	—	—	—	—
2006050558-9	Doom Supply	09-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	635	7.3	316	30.0	—	22.0	—	—	—	—	—	—	—	—	—	—	—	—	—
2006081053-7	Doom Supply	23-Aug-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	641	6.9	374	31.0	—	24.4	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-17	Doom Supply	06-Mar-07	<1	<1	<1	<1		<1	<1	—	—	631	7.3	415	32.2	—	21	—	—	—	—	—	—	—	—	—	—	—	—	—
2007050615-6	Doom Supply	16-May-07	<1	<1	<1	<1		<1	<1	—	—	699	7.1	446	33.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007081015-8	Doom Supply	23-Aug-07	<1	<1	<1	<1		<1	<1	—	—	723	7.1	426	31.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-27	Doom Supply	15-Nov-07	<1	<1	<1	<1		<1	<1	—	—	619	7.4	447	31.3	—	19	—	—	—	—	—	—	—	—	—	—	—	—	—
PTP #1	PTP #1	07-May-97	38	0.51	22	—	—	—	8.4	—	—	2,420	—	1,500	490	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PTP #1	PTP #1	21-Oct-97	7.9	<0.5	18	—	—	—	3.1	—	—	2,250	—	1,400	470	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0177	PTP #1	12-May-98	62	1.6	21	—	—	—	13	—	—	2,300	—	1,400	480	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0463	PTP #1	20-Oct-98	—	—	—	—	—	—	—	—	—	2,090	—	1,410	380	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0008	PTP #1	11-May-99	—	—	—	—	—	—	—	—	—	2,250	—	1,240	330	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0191	PTP #1	20-Oct-99	—	—	—	—	—	—	—	—	—	2,300	—	1,630	460	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0085	PTP #1	09-May-00	—	—	—	—	—	—	—	—	—	2,210	—	1,400	510	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0223	PTP #1	27-Oct-00	—	—	—	—	—	—	—	—	—	2,050	—	1,570	530	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0140	PTP #1	02-May-01	—	—	—	—	—	—	—	—	—	2,370	—	1,240	520	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0473	PTP #1	23-Oct-01	—	—	—	—	—	—	—	—	—	2,370	—	1,280	550	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-07	PTP #1	29-Apr-02	—	—	—	—	—	—	—	—	—	2,390	—	1,400	500	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-9	PTP #1	04-Nov-02	50	<10	15	24		<10	24	—	—	2,000	7.20 H	690	480	3.9	—	2.7	0.97	<0.20 H	—	—	0.020	—	0.62	—	220	—	—	—
2003101363-5	PTP #1	03-Nov-03	21.8	<2.0	13.5	—	—	—	8.8	—	—	2,130	6.8	1,380	469	—	22.5	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-15	PTP #1	10-Nov-04	13.6	<1.0	18.7	—	—	—	9.6	—	—	2,300	7.0	1,560	496	—	22.1	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-6	PTP #1	12-Dec-05	13.7	1.6 J	22.5	—	—	—	26.4	—	—	2,360	6.6	1,140	442	—	20.5	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-11	PTP #1	06-Mar-07	19	<1	15	31		3.5	34.5	—	—	2,150	6.7	1,280	397	—	18.7	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-10	PTP #1	12-Nov-07	19	<1	20	30		1.3	31.3	—	—	2,200	6.7	1,380	348	—	20.8	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as $CaCO_3$), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as $CaCO_3$), mg/l
2002110896-30	EPNG #1	08-Nov-02	2.8	—	30	0.12	—	—	—	8.4	—	57	—	91	—	—	330	330	<2.0	<2.0	370
2003101363-27	EPNG #1	07-Nov-03	—	—	—	—	—	—	—	—	—	—	—	80.900	—	—	—	—	—	—	—
2004111601-30	EPNG #1	12-Nov-04	—	—	—	—	—	—	—	—	—	—	—	87.7	—	—	—	—	—	—	—
2005121523-28	EPNG #1	15-Dec-05	—	—	—	—	—	—	—	—	—	—	—	62.400	—	—	—	—	—	—	—
2007030225-34	EPNG #1	09-Mar-07	—	—	—	—	—	—	—	—	—	—	—	79.6		—	—	—	—	—	—
2007111584-29	EPNG #1	16-Nov-07	—	—	—	—	—	—	—	—	—	—	—	70.2		—	—	—	—	—	—
2007111584-30	EPNG #1D	16-Nov-07	—	—	—	—	—	—	—	—	—	—	—	71		—	—	—	—	—	—
S98-0057	Production Well Dooms	24-Feb-98	—	—	16	—	—	—	—	4	—	25	—	64	—	—	200	—	—	—	—
S98-0180	Production Well Dooms	13-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	190	190	—	—	—
S98-0292	Production Well Dooms	10-Aug-98	—	—	17	—	—	—	—	4.3	—	27	—	71	—	—	200	200	<25	<25	200
S98-0464	Production Well Dooms	20-Oct-98	0.060	—	17	<0.0025	—	—	—	4.1	—	29	—	69	—	<0.05	190	190	<25	<25	200
S99-0081	Production Well Dooms	23-Feb-99	—	—	16	—	—	—	—	4.1	—	26	—	72	—	—	190	190	<25	<25	190
M99-0018	Production Well Dooms	13-May-99	0.14	—	17	0.039	—	—	—	4.0	—	33	—	72	—	0.089	180	180	<25	<25	200
M99-0092	Production Well Dooms	11-Aug-99	—	—	17	—	—	—	—	3.8	—	27	—	73	—	—	190	190	<25	<25	200
M99-0193	Production Well Dooms	21-Oct-99	0.16	<0.001	18	0.0093	<0.0002	0.0048	<0.02	4.7	—	24	<0.005	77	0.0055	0.11	180	180	<25	<25	200
M00-0022	Production Well Dooms	23-Feb-00	—	—	20	—	—	—	—	4.9	—	12	—	69	—	—	140	140	<25	<25	250
M00-0094	Production Well Dooms	10-May-00	—	—	15	—	—	—	—	4.2	—	29	—	72	—	—	190	190	<25	<25	170
M00-0204	Production Well Dooms	14-Aug-00	—	—	16	—	—	—	—	70	—	30	—	4.2	—	—	180	180	<25	<25	190
M00-0233	Production Well Dooms	02-Nov-00	0.28	<0.05	18	0.013	<0.0002	—	—	5.0	<0.1	32	<0.02	79	—	0.19	190	190	<25	<25	210
M01-0010	Production Well Dooms	20-Feb-01	—	—	15	—	—	—	—	4.8	—	35	—	67	—	—	190	190	<25	<25	180
M01-0143	Production Well Dooms	03-May-01	—	—	16	—	—	—	—	3.8	—	34	—	73	—	—	180	180	<25	<25	190
M01-0409	Production Well Dooms	01-Aug-01	—	—	15	—	—	—	—	5.0	—	26	—	66	—	—	190	190	<25	<25	170
M01-0497	Production Well Dooms	29-Oct-01	0.10	<0.05	15	0.018	<0.0002	<0.01	<0.04	3.7	<0.1	38	<0.02	64	0.0084	<0.1	180	180	<25	<25	170
M02-0050	Production Well Dooms	20-Feb-02	—	—	15	—	—	—	—	3.7	—	40	—	65	—	—	190	190	<25	<25	170
M02-0050	Production Well Dooms R	20-Feb-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0062-01	Production Well Dooms	27-Mar-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-29	Production Well Dooms	02-May-02	—	—	15	—	—	—	—	4.1	—	34	—	65	—	—	180	180	<25	<25	170
6	Production Well Dooms	25-Sep-02	—	—	—	—	—	—	—	—	—	—	—	63	—	—	—	—	—	—	—
2002110896-17	Production Well Dooms	05-Nov-02	0.27	—	15	<0.010	—	—	—	4.4	—	53	—	70	—	—	190	190	<2.0	<2.0	170
2003030318/T4096-5	Doom Supply	26-Mar-03	—	—	—	—	—	—	—	—	—	—	—	50.700	—	—	—	—	—	—	—
2003050551-8	Doom Supply	20-May-03	—	—	15.800	—	—	—	—	—	—	—	—	62.600	—	—	191	—	—	—	185
2003080979-8	Doom Supply	20-Aug-03	—	—	14.800	—	—	—	—	—	—	—	—	65.500	—	—	213	—	—	—	171
2003101363-24	Doom Supply	06-Nov-03	—	—	—	—	—	—	—	—	—	—	—	64.800	—	—	—	—	—	—	—
2003101363-25	Doom Supply-D	06-Nov-03	—	—	—	—	—	—	—	—	—	—	—	62.700	—	—	—	—	—	—	—
2004020197-2	Doom Supply	25-Feb-04	—	—	—	—	—	—	—	—	—	—	—	67.100	—	—	—	—	—	—	—
2004050647-8	Doom Supply	13-May-04	—	—	—	—	—	—	—	—	—	—	—	62.700	—	—	—	—	—	—	—
2004081157-8	Doom Supply	25-Aug-04	—	—	—	—	—	—	—	—	—	—	—	63.800	—	—	—	—	—	—	—
2004111601-33	Doom Supply	15-Nov-04	—	—	—	—	—	—	—	—	—	—	—	61.8	—	—	—	—	—	—	—
2005020148-8	Doom Supply	15-Feb-05	—	—	—	—	—	—	—	—	—	—	—	73.5	—	—	—	—	—	—	—
2005050586-13	Doom Supply	25-May-05	—	—	—	—	—	—	—	—	—	—	—	58.3	—	—	—	—	—	—	—
2005081051-6	Doom Supply	23-Aug-05	—	—	—	—	—	—	—	—	—	—	—	65.500	—	—	—	—	—	—	—
2005081051-7	Doom Supply-D	23-Aug-05	—	—	—	—	—	—	—	—	—	—	—	66.000	—	—	—	—	—	—	—
2005121523-32	Doom Supply	15-Dec-05	—	—	—	—	—	—	—	—	—	—	—	68.700	—	—	—	—	—	—	—
2006020147-8	Doom Supply	14-Feb-06	—	—	—	—	—	—	—	—	—	—	—	59.800	—	—	—	—	—	—	—
2006050558-9	Doom Supply	09-May-06	—	—	—	—	—	—	—	—	—	—	—	56.600	—	—	—	—	—	—	—
2006081053-7	Doom Supply	23-Aug-06	—	—	—	—	—	—	—	—	—	—	—	62.400	—	—	—	—	—	—	—
2007030225-17	Doom Supply	06-Mar-07	—	—	—	—	—	—	—	—	—	—	—	65.8	—	—	—	—	—	—	—
2007050615-6	Doom Supply	16-May-07	—	—	—	—	—	—	—	—	—	—	—	62.6	—	—	—	—	—	—	—
2007081015-8	Doom Supply	23-Aug-07	—	—	—	—	—	—	—	—	—	—	—	58.8	—	—	—	—	—	—	—
2007111584-27	Doom Supply	15-Nov-07	—	—	—	—	—	—	—	—	—	—	—	62.7	—	—	—	—	—	—	—
PTP #1	PTP #1	07-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
PTP #1	PTP #1	21-Oct-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0177	PTP #1	12-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0463	PTP #1	20-Oct-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0008	PTP #1	11-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0191	PTP #1	20-Oct-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0085	PTP #1	09-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0223	PTP #1	27-Oct-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0140	PTP #1	02-May-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0473	PTP #1	23-Oct-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-07	PTP #1	29-Apr-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-9	PTP #1	04-Nov-02	10	—	61	0.37	—	—	—	6.9	—	26	—	170	—	—	520	520	<2.0	<2.0	810
2003101363-5	PTP #1	03-Nov-03	—	—	—	—	—	—	—	—	—	—	—	190	—	—	—	—	—	—	—
2004111601-15	PTP #1	10-Nov-04	—	—	—	—	—	—	—	—	—	—	—	167	—	—	—	—	—	—	—
2005121523-6	PTP #1	12-Dec-05	—	—	—	—	—	—	—	—	—	—	—	192	—	—	—	—	—	—	—
2007030225-11	PTP #1	06-Mar-07	—	—	—	—	—	—	—	—	—	—	—	222	—	—	—	—	—	—	—
2007111584-10	PTP #1	12-Nov-07	—	—	—	—	—	—	—	—	—	—	—	197	—	—	—	—	—	—	—

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umho/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l
2004111601-10	Injection Well	09-Nov-04	80.7	14.0	25.6	---	---	---	25.1	---	---	---	---	20,300	11,300	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2005121523-34	Injection Well	15-Dec-05	84.4	20.4	40.5	---	---	---	40.4	---	---	36,800	8.2	23,800	7,850	---	15.2	---	---	---	---	---	---	---	---	---	---	---	---	---
2007030225-15	Injection Well	06-Mar-07	53	32	130	27		9.1	36.1	---	---	29,400	8.1	19,200	13,900	---	20.8	---	---	---	---	---	---	---	---	---	---	---	---	---
2007111584-28	Injection Well	16-Nov-07	80	36	68	47		15	62	---	---	37,900	8.7	26,900	15,600	---	19	---	---	---	---	---	---	---	---	---	---	---	---	---
S98-0451	Bailer Blank	19-Oct-98	<2	<2	<2	<2	<2	<2	<6	---	---	1.13	5.95	<25	<0.1	<0.1	17.8	<0.2	<0.4	<0.05	---	---	---	---	<0.01	---	0.49	---	---	<0.0025
S98-0066	Bailer Blank Pre Sample	24-Feb-98	<0.50	<0.50	<0.50	---	---	---	<1.0	---	---	3	5.7	<20	<0.2	<1	---	<0.2	<0.1	<0.2	---	---	---	---	---	---	<1	---	---	---
S98-0158	Bailer Blank Pre Sample	11-May-98	<0.50	<0.50	<0.50	---	---	---	<1.0	---	---	9.6	5.8	<20	<0.2	<1	---	<0.2	<0.1	<0.05	---	---	---	---	---	---	---	---	---	---
S98-0290	Bailer Blank Pre Sample	10-Aug-98	<2	<2	<2	<2	<2	<2	<6	---	---	4.45	5.08	30	<0.1	<2.0	18.8	<0.1	<0.10	<1.25	---	---	---	---	---	---	<0.25	---	---	---
S98-0178	Bailer Blank-Middle Sample	12-May-98	<0.50	<0.50	<0.50	---	---	---	<1.0	---	---	24	5.6	<20	<0.2	<1	---	<0.2	<0.1	<0.05	---	---	---	---	---	---	---	---	---	---
S98-0466	Bailer Blank-Middle Sample	21-Oct-98	<2	<2	<2	<2	<2	<2	<6	---	---	16.9	7.34	<25	<0.1	<0.1	21.0	<0.2	<0.4	<0.05	---	---	---	---	<0.01	---	3.2	---	---	<0.0025
S98-0061	Bailer Blank Post Sample	24-Feb-98	<0.50	<0.50	<0.50	---	---	---	<1.0	---	---	1	6.0	<20	<0.2	<1	---	<0.2	<0.1	<0.2	---	---	---	---	---	---	<1	---	---	---
S98-0191	Bailer Blank Post Sample	14-May-98	0.66	<0.50	<0.50	---	---	---	<1.0	---	---	15	5.6	<20	<0.2	<1	---	<0.2	<0.1	<0.05	---	---	---	---	---	---	<1	---	---	---
S98-0225	Bailer Blank Post Sample	01-Jun-98	12	<0.50	<0.50	---	---	---	<1.0	---	---	12	5.5	<20	<0.2	<1	---	<0.2	<0.1	0.09	---	---	---	---	---	---	<1	---	---	---
S98-0297	Bailer Blank Post Sample	11-Aug-98	<2	<2	<2	<2	<2	<2	<6	---	---	3.83	5.16	31	<0.1	<2.0	19.9	<0.1	<0.10	<2.5	---	---	---	---	---	---	<0.25	---	---	---
S98-0478	Bailer Blank Post Sample	22-Oct-98	<2	<2	<2	<2	<2	<2	<6	---	---	1.22	5.77	<25	<0.1	<0.1	21.2	<0.2	<0.4	<0.05	---	---	---	---	0.01	---	<0.25	---	---	<0.0025
S99-0078	Bailer Blank Before	23-Feb-99	<2	<2	<2	<2	<2	<2	<6	---	---	2.17	5.83	<25	<0.1	<0.1	14.3	<0.2	<0.4	0.09	---	---	---	---	---	---	<0.25	---	---	---
S99-0087	Bailer Blank After Sampling	23-Feb-99	<2	<2	<2	<2	<2	<2	<6	---	---	1.35	5.78	<25	<0.1	<0.1	16.9	<0.2	<0.4	<0.05	---	---	---	---	---	---	<0.25	---	---	---
M99-0002	Bailer Blank Before Sampling	10-May-99	<2	<2	<2	<2	<2	<2	<6	---	---	1.63	5.86	32	0.1	0.1	22.7	<0.2	<0.4	<0.05	---	---	---	---	<0.01	---	<0.25	---	---	<0.0025
M99-0016	Bailer Blank Middle	12-May-99	---	---	---	---	---	---	---	---	---	1.21	---	<25	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M99-0029	Bailer Blank After Sampling	14-May-99	<2	<2	<2	<2	<2	<2	<6	---	<0.25	1.52	5.86	<25	<0.1	<0.1	24.6	<0.2	<0.4	<0.05	---	---	---	---	<0.01	---	<0.25	---	---	<0.0025
M99-0085	Bailer Blank Before Sampling	09-Aug-99	<2	<2	<2	<2	<2	<2	<6	---	---	898	7.57	565	88	190	19.1	0.5	1.6	<0.05	---	---	---	---	---	---	97	---	---	---
M99-0090	Bailer Blank After Sampling	11-Aug-99	<2	<2	<2	<2	<2	<2	<6	---	---	580	8.41	266	48	1.0	21.0	<1	<0.4	0.74	---	---	---	---	---	---	0.68	---	---	---
M99-0182	Bailer Blank Before Sampling	18-Oct-99	<2	<2	<2	<2	<2	<2	<6	---	---	4.00	6.04	<15	0.34	<0.5	20.2	<0.2	<0.4	0.064	---	<0.025	<0.005	<0.0025	<0.01	<0.002	0.39	<0.005	<0.005	<0.0025
M99-0198	Bailer Blank Middle	22-Oct-99	<2	<2	<2	<2	<2	<2	<6	---	---	4.00	6.04	<15	0.31	<0.5	20.2	<0.2	<0.4	0.072	---	<0.025	<0.005	<0.0025	<0.01	<0.002	0.32	<0.005	<0.005	<0.0025
M99-0208	Bailer Blank After Sampling	23-Oct-99	<2	<2	<2	<2	<2	<2	<6	---	---	3.75	6.03	<15	0.32	<0.5	22.4	<0.2	<0.4	0.088	---	<0.025	<0.005	<0.0025	<0.01	<0.002	0.32	<0.005	<0.005	<0.0025
M00-0021	Bailer Blank Before Sampling	22-Feb-00	<2	<2	<2	---	---	---	<2	---	---	3	5.88	<15	<0.1	<0.1	15.9	<0.2	<0.4	<0.1	---	---	---	---	---	---	<0.5	---	---	---
M00-0030	Bailer Blank After Sampling	23-Feb-00	<2	<2	<2	---	---	---	<2	---	---	3	5.88	<15	<0.1	<0.1	17.3	<0.2	<0.4	<0.1	---	---	---	---	---	---	<0.5	---	---	---
M00-0076	Bailer Blank Before Sampling	08-May-00	<5	<5	<5	---	---	---	<10	---	---	4	5.52	21	<0.1	<0.1	21.3	<0.2	<0.4	<0.1	---	---	---	---	---	---	<0.5	---	---	---
M00-0091	Bailer Blank Middle of Sampling	10-May-00	---	---	---	---	---	---	---	---	---	2	---	19	<0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M00-0102	Bailer Blank After Sampling	12-May-00	<5	<5	<5	---	---	---	<10	---	---	41	7.13	42	6.1	1.4	18.5	<0.2	<0.4	<0.1	---	---	---	---	---	---	<0.5	---	---	---
M00-0194	Bailer Blank Before Sampling	07-Aug-00	<2	<2	<2	---	---	---	<4	---	---	8.0	6.15	<15	<0.1	<0.1	25.6	<0.2	<0.4	<0.05	---	---	---	---	---	---	<0.5	---	---	---
M00-0201	Bailer Blank After Sampling	08-Aug-00	<2	<2	<2	---	---	---	<4	---	---	4.0	5.63	<15	<0.1	<0.1	25.8	<0.2	<0.4	<0.05	---	---	---	---	---	---	<0.5	---	---	---
M00-0214	Bailer Blank Before Sampling	26-Oct-00	<2	<2	<2	<2	<2	<2	<6	---	---	13	5.22	<15	3.3	<0.1	16.2	<0.2	<0.4	<0.1	---	---	<0.1	<0.005	0.12	<0.01	<0.5	<0.01	---	0.088
M00-0229	Bailer Blank Middle of Sampling	01-Nov-00	<2	<2	<2	---	---	---	<4	---	---	11.4	5.09	<15	3.3	<0.1	15.1	<0.2	<0.4	<0.1	---	---	<0.1	<0.005	0.14	<0.01	0.22	<0.01	---	0.093
M00-0245	Bailer Blank After Sampling	06-Nov-00	<2	<2	<2	---	---	---	<4	---	---	13.40	5.3	55	3.3	<0.1	16.9	<0.2	<0.4	<0.1	---	---	<0.1	<0.005	0.13	<0.01	<0.5	<0.01	---	0.092
M01-0012	Bailer Blank Before Sampling	20-Feb-01	<2	<2	<2	---	---	---	<4	<5	---	1	6.28 H	<15	<0.1	<0.1	21.6	<0.2	<0.4	<0.1	---	---	---	---	---	---	<0.5	---	---	---
M01-0018	Bailer Blank After Sampling	21-Feb-01	<2	<2	<2	---	---	---	<4	<5	---	2	6.18 H	<15	<0.1	<0.1	21.8	<0.2	<0.4	<0.1	---	---	---	---	---	---	<0.5	---	---	---
M01-0131	Bailer Blank Before Sampling	02-May-01	<2	<2	<2	---	---	---	<2	<5	---	1	7.69	<15	<0.1	36	18.6	<0.2	<0.4	<0.1	---	---	---	---	---	---	0.91	---	---	---
M01-0155	Bailer Blank Middle of Sampling Wells	06-May-01	---	---	---	---	---	---	---	---	---	198	---	115	15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M01-0163	Bailer After Sampling Wells	07-May-01	<2	<2	<2	---	---	---	<2	<5	---	578	8.24 H	327	65	<2	25.4	0.17	<0.4	0.62	---	---	---	---	---	---	<0.5	---	---	---
M01-0404	Bailer Blank Before Sampling	01-Aug-01	<2	<2	<2Jc	---	---	---	<2	---	---	1.82	6.21	<15	1.6	<1	22.5	<2	<0.4	<1	---	---	---	---	---	---	<0.5	---	---	---
M01-0412	Bailer After Sampling Wells	02-Aug-01	<2	<2	<2	---	---	---	<2	---	---	1.66	6.54	<15	<0.1	<0.1	23.1	<0.2	<0.4	<0.05	---	---	---	---	---	---	0.56	---	---	---
M01-0466	Bailer Blank Before Sampling	22-Oct-01	<2	<2	<2	---	---	---	<2	---	---	1.67	5.84	<15	0.16	<0.1	20.5	<0.2	<0.4	<0.1	---	<0.05	<0.1	<0.005	<0.1	<0.005	<0.5	<0.01	<0.01	<0.005
M01-0479	Bailer Blank Middle of Sampling Wells	24-Oct-01	<2	<2	<2	---	---	---	4	---	---	1.52	6.47 H	<15	0.23	<0.1	20.1	<0.2	<0.4	<0.05	---	<0.05	<0.1	<0.005	<0.1	<0.005	<0.5	<0.01	<0.01	<0.005
M01-0493	Bailer After Sampling Wells	29-Oct-01	<2	<2	<2	<2	<2	<2	<6	---	---	1.32	6.39 H	<15	<0.1	<0.1	23.3	<0.2	<0.4	<0.05	---	<0.05	<0.1	<0.005	<0.1	<0.005	<0.5	<0.01	<0.01	<0.005
M02-0041	Bailer Blank Before Sampling Wells	19-Feb-02	<2.0	8.8	4.7	---	---	---	23	---	---	3.30	6.44 H	<15.0	<0.10	<0.10	---	<0.10	<0.40	<0.10	---	---	---	---	---	---	0.68	---	---	---
M02-0041	Bailer Blank Before Sampling Wells R	19-Feb-02	<2.0 H	<2.0 H	<2.0 H	---	---	---	<2.0 H	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M02-0049	Bailer Blank After Sampling Wells	20-Feb-02	2.8	48	18	---	---	---	120	---	---	2.6	6.57 H	<15.0	<0.10	<0.10	---	<0.10	<0.40	0.080	---	---	---	---	---	---	0.52	---	---	---
M02-0049	Bailer Blank After Sampling Wells R	20-Feb-02	<2.0 H	<2.0 H	<2.0 H	---	---	---	<2.0 H	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M02-0062-05	Bailer Blank After Sampling Wells	27-Mar-02	<2.0	<2.0	<2.0	---	---	---	<2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002040220-2	Bailer Blank Before Sampling Wells	29-Apr-02	<2.0	<2.0	<2.0	---	---	---	<4.0	---	---	22.3	5.58 H	<15.0	3.8	0.31	---	<0.10	<0.40	0.13	---	---	---	---	---	---	<0.50	---	---	---
2002040220-16	Bailer Blank During Sampling Wells	30-Apr-02	---	---	---	---	---	---	---	---	---	20.3	---	<15.0	3.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2202040220-26	Bailer Blank After Sampling Wells	02-May-02	<2.0	<2.0	<2.0	---	---	---	<2.0	<5.0	---	7.00	6.20 H	<15.0	0.67	<0.10	---	<0.10	<0.40	<0.10	---	---	---	---	---	---	<0.50	---	---	---
8	Bailer Blank After Sampling Wells	25-Sep-02	<2.0	<2.0	<2.0	---	---	---	<4.0	<5.0	---	1.28	6.28 H	<15.0	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002110896-1	Bailer Blank Before Sampling Wells	03-Nov-02	<1.0	1.5	<1.0	<2.0	<1.0	<3.0	---	---	1.0	6.05 H	<10	<2.0	<2.0	---	<0.50	<0.40	0.20 H	---	---	<0.0050	---	<0.050	---	<2.0	---	---	---
2002110896-13	Bailer Blank During Sampling Wells	05-Nov-02	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	---	---	1.0	6.48 H	<10	<2.0	<2.0	---	<0.50	<0.40	<0.20	---	---	<0.0050	---	<0.050	---	<2.0	---	---	---
2002110896-28	Bailer Blank After Sampling Wells	08-Nov-02	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	---	---	1.0	6.17 H	<10	<2.0	<2.0	---	<0.50	<0.40	<0.20	---	---	<0.0050	---	<0.050	---	<2.0	---	---	---

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as $CaCO_3$), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as $CaCO_3$), mg/l
2004111601-10	Injection Well	09-Nov-04	---	---	---	---	---	---	---	---	---	---	---	6,010	---	---	---	---	---	---	---
2005121523-34	Injection Well	15-Dec-05	---	---	---	---	---	---	---	---	---	---	---	8,620	---	---	---	---	---	---	---
2007030225-15	Injection Well	06-Mar-07	---	---	---	---	---	---	---	---	---	---	---	6,690	---	---	---	---	---	---	---
2007111584-28	Injection Well	16-Nov-07	---	---	---	---	---	---	---	---	---	---	---	9,260	---	---	---	---	---	---	---
S98-0451	Bailer Blank	19-Oct-98	<0.05	---	<0.25	<0.0025	---	---	---	<1	---	<0.25	---	1.1	---	<0.05	<25	<25	<25	<25	1.2
S98-0066	Bailer Blank Pre Sample	24-Feb-98	---	---	<1	---	---	---	---	<1	---	<0.05	---	<1	---	---	<5	---	---	---	---
S98-0158	Bailer Blank Pre Sample	11-May-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5	<5	---	---	---
S98-0290	Bailer Blank Pre Sample	10-Aug-98	---	---	<0.25	---	---	---	---	<0.25	---	<10	---	0.68	---	---	<25	<25	<25	<25	<1
S98-0178	Bailer Blank-Middle Sample	12-May-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5	<5	---	---	---
S98-0466	Bailer Blank-Middle Sample	21-Oct-98	<0.05	---	<0.25	<0.0025	---	---	---	<1	---	<0.25	---	0.30	---	<0.05	<25	<25	<25	<25	7.9
S98-0061	Bailer Blank Post Sample	24-Feb-98	---	---	<1	---	---	---	---	<1	---	<0.05	---	<1	---	---	<5	---	---	---	---
S98-0191	Bailer Blank Post Sample	14-May-98	---	---	<1	---	---	---	---	<1	---	<0.05	---	<1	---	---	<5	<5	---	---	---
S98-0225	Bailer Blank Post Sample	01-Jun-98	---	---	<1	---	---	---	---	<1	---	0.16	---	---	---	---	<5	<5	---	---	---
S98-0297	Bailer Blank Post Sample	11-Aug-98	---	---	<0.25	---	---	---	---	<0.25	---	<10	---	<0.25	---	---	<25	<25	<25	<25	<1
S98-0478	Bailer Blank Post Sample	22-Oct-98	<0.05	---	<0.25	<0.0025	---	---	---	<1	---	<0.25	---	<0.25	---	<0.05	<25	<25	<25	<25	<0.5
S99-0078	Bailer Blank Before	23-Feb-99	---	---	<0.25	---	---	---	---	<1	---	<1	---	0.27	---	---	<25	<25	<25	<25	<1
S99-0087	Bailer Blank After Sampling	23-Feb-99	---	---	<0.25	---	---	---	---	<1	---	<1	---	<0.25	---	---	<25	<25	<25	<25	<1
M99-0002	Bailer Blank Before Sampling	10-May-99	<0.05	---	<0.25	<0.0025	---	---	---	<1	---	<0.2	---	<0.25	---	<0.05	<25	<25	<25	<25	<1
M99-0016	Bailer Blank Middle	12-May-99	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M99-0029	Bailer Blank After Sampling	14-May-99	<0.05	---	<0.25	<0.0025	---	---	---	<1	---	<0.2	---	0.41	---	<0.05	<25	<25	<25	<25	<1
M99-0085	Bailer Blank Before Sampling	09-Aug-99	---	---	22	---	---	---	---	5.2	---	21	---	80	---	---	110	110	<25	<25	330
M99-0090	Bailer Blank After Sampling	11-Aug-99	---	---	<0.25	---	---	---	---	1.4	---	10	---	140	---	---	220	220	2	<25	2.6
M99-0182	Bailer Blank Before Sampling	18-Oct-99	0.060	<0.005	<0.25	<0.0025	<0.0002	<0.005	<0.02	<1	---	<1	<0.005	<0.25	<0.005	<0.05	<25	<25	<25	<25	<1
M99-0198	Bailer Blank Middle	22-Oct-99	<0.05	<0.005	<0.25	<0.0025	<0.0002	<0.005	<0.02	<1	---	<1	<0.005	<0.25	<0.005	<0.05	<25	<25	<25	<25	<1
M99-0208	Bailer Blank After Sampling	23-Oct-99	<0.05	<0.005	<0.25	<0.0025	<0.0002	<0.005	<0.02	<1	---	<1	<0.005	<0.25	<0.005	<0.05	<25	<25	<25	<25	<1
M00-0021	Bailer Blank Before Sampling	22-Feb-00	---	---	<0.5	---	---	---	---	<2	---	<1	---	<0.5	---	---	<25	<25	<25	<25	<2
M00-0030	Bailer Blank After Sampling	23-Feb-00	---	---	<0.5	---	---	---	---	<2	---	<1	---	<0.5	---	---	<25	<25	<25	<25	<2
M00-0076	Bailer Blank Before Sampling	08-May-00	---	---	<0.5	---	---	---	---	<2	---	<1	---	<0.5	---	---	<25	<25	<25	<25	<2
M00-0091	Bailer Blank Middle of Sampling	10-May-00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M00-0102	Bailer Blank After Sampling	12-May-00	---	---	<0.5	---	---	---	---	<2	---	<1	---	<0.5	---	---	<25	<25	<25	<25	<2
M00-0194	Bailer Blank Before Sampling	07-Aug-00	---	---	<0.5	---	---	---	---	<2	---	<1	---	<0.5	---	---	<25	<25	<25	<25	<2
M00-0201	Bailer Blank After Sampling	08-Aug-00	---	---	<0.5	---	---	---	---	<2	---	<1	---	<0.5	---	---	<25	<25	<25	<25	<2
M00-0214	Bailer Blank Before Sampling	26-Oct-00	<0.1	<0.05	<0.5	<0.005	<0.0002	---	---	<2	<0.1	1.3	<0.02	1.9	---	<0.1	<25	<25	<25	<25	<2
M00-0229	Bailer Blank Middle of Sampling	01-Nov-00	0.19	<0.05	<0.5	<0.005	<0.0002	---	---	<2	<0.1	1.1	<0.02	2.3	---	<0.1	<25	<25	<25	<25	<2
M00-0245	Bailer Blank After Sampling	06-Nov-00	<0.1	<0.05	<0.5	<0.005	<0.0002	---	---	<2	<0.1	1.3	<0.02	2.4	---	<0.1	<25	<25	<25	<25	<2
M01-0012	Bailer Blank Before Sampling	20-Feb-01	---	---	<0.5	---	---	---	---	<2	---	<1	---	<0.5	---	---	<25	<25	<25	<25	<2
M01-0018	Bailer Blank After Sampling	21-Feb-01	---	---	<0.5	---	---	---	---	<2	---	<1	---	<0.5	---	---	<25	<25	<25	<25	<2
M01-0131	Bailer Blank Before Sampling	02-May-01	---	---	0.49	---	---	---	---	0.52	---	<1	---	2.4	---	---	<25	<25	<25	<25	4.3
M01-0155	Bailer Blank Middle of Sampling Wells	06-May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M01-0163	Bailer After Sampling Wells	07-May-01	---	---	<0.5	---	---	---	---	<2	---	11	---	140.0	---	---	240	240	<25	<25	<2
M01-0404	Bailer Blank Before Sampling	01-Aug-01	---	---	<0.5	---	---	---	---	<2	---	<1	---	<0.5	---	---	<25	<25	<25	<25	<2
M01-0412	Bailer After Sampling Wells	02-Aug-01	---	---	<0.5	---	---	---	---	<2	---	<1	---	6.7	---	---	<25	<25	<25	<25	<2
M01-0466	Bailer Blank Before Sampling	22-Oct-01	<0.1	<0.05	<0.5	<0.005	<0.0002	<0.01	<0.04	<2	<0.1	<1	<0.02	<0.5	<0.005	<0.1	<25	<25	<25	<25	<2
M01-0479	Bailer Blank Middle of Sampling Wells	24-Oct-01	<0.1	<0.05	<0.5	0.0067	<0.0002	<0.01	<0.04	<2	<0.1	<1	<0.02	1.5	<0.005	<0.1	<25	<25	<25	<25	<5
M01-0493	Bailer After Sampling Wells	29-Oct-01	<0.1	<0.05	<0.5	<0.005	<0.0002	<0.01	<0.04	<2	<0.1	<1	<0.02	1.6	<0.005	<0.1	<25	<25	<25	<25	<5
M02-0041	Bailer Blank Before Sampling Wells	19-Feb-02	---	---	<0.50	---	---	---	---	<2.0	---	<0.25	---	1.4	---	---	<25	<25	<25	<25	<2.0
M02-0041	Bailer Blank Before Sampling Wells R	19-Feb-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M02-0049	Bailer Blank After Sampling Wells	20-Feb-02	---	---	<0.50	---	---	---	---	<2.0	---	<1.0	---	1.3	---	---	<25	<25	<25	<25	<2.0
M02-0049	Bailer Blank After Sampling Wells R	20-Feb-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M02-0062-05	Bailer Blank After Sampling Wells	27-Mar-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002040220-2	Bailer Blank Before Sampling Wells	29-Apr-02	---	---	<0.50	---	---	---	---	<2.0	---	<1.0	---	3.8	---	---	<25	<25	<25	<25	<2.0
2002040220-16	Bailer Blank During Sampling Wells	30-Apr-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2202040220-26	Bailer Blank After Sampling Wells	02-May-02	---	---	<0.50	---	---	---	---	<2.0	---	<1.0	---	<0.50	---	---	<25	<25	<25	<25	<2.0
8	Bailer Blank After Sampling Wells	25-Sep-02	---	---	---	---	---	---	---	---	---	---	---	<2.0	---	---	---	---	---	---	---
2002110896-1	Bailer Blank Before Sampling Wells	03-Nov-02	<0.050	---	<2.0	<0.010	---	---	---	<2.0	---	<0.21	---	<2.0	---	---	<6.0	<2.0	<2.0	<2.0	<13
2002110896-13	Bailer Blank During Sampling Wells	05-Nov-02	<0.050	---	<2.0	<0.010	---	---	---	<2.0	---	<0.21	---	<2.0	---	---	<6.0	2.0	<2.0	<2.0	<13
2002110896-28	Bailer Blank After Sampling Wells	08-Nov-02	<0.050	---	<2.0	<0.010	---	---	---	<2.0	---	<0.21	---	<2.0	---	---	<6.0	<2.0	<2.0	<2.0	<13

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umho/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l
2003030318/T4096-2	Bailer Blank	26-Mar-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1.4	6.8 H	<10	<0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2003050551-1	Bailer Blank	19-May-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	2.0	5.0 H	12.0	<0.20	—	—	—	—	—	—	—	—	—	—	—	0.161	—	—	—
2003080979-2	Bailer Blank	19-Aug-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	0.50	—	—	—	—	—	—	—	—	—	—	—	<5.000	—	—	—
2003101363-2	Bailer Blank	03-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	718	56.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2003101363-16	Bailer Blank	05-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2003101363-28	Bailer Blank	07-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004020197-4	Bailer Blank	26-Feb-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004050647-2	Bailer Blank	12-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004081157-2	Bailer Blank	24-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	14.0	4.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-2	Bailer Blank	9-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	—	—	<10	1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-19	Bailer Blank	11-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	—	—	40.0	<1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-31	Bailer Blank	12-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005020148-2	Bailer Blank	14-Feb-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005050586-4	Bailer Blank	23-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005081051-2	Bailer Blank	22-Aug-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-2	Bailer Blank	12-Dec-05	1.4 J	4.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-16	Bailer Blank	13-Dec-05	1.3 J	3.7	<2.0	—	—	—	<6.0	—	—	—	—	10.0	<1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-29	Bailer Blank	15-Dec-05	1.0	2.8	<2.0	—	—	—	<6.0	—	—	—	—	11.0	<1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2006020147-2	Bailer Blank	13-Feb-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2006050558-2	Bailer Blank	8-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2006081053-2	Bailer Blank	22-Aug-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-2	Bailer Blank	5-Mar-07	<1	<1	<1	<1		<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-19	Bailer Blank	7-Mar-07	<1	<1	<1	<1		<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-33	Bailer Blank	8-Mar-07	<1	<1	<1	<1		<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007050615-2	Bailer Blank	15-May-07	<1	<1	<1	<1		<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007081015-2	Bailer Blank	22-Aug-07	<1	<1	<1	<1		<1	<1	—	—	—	—	522	37.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-2	Bailer Blank	12-Nov-07	<1	<1	<1	<1		<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-17	Bailer Blank	13-Nov-07	<1	<1	<1	<1		<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007111584-32	Bailer Blank	16-Nov-07	<1	<1	<1	<1		<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0477	EMP #3 Post Purge	22-Oct-98	<2	<2	<2	<2	<2	<2	<6	—	—	662	8.26	424	100	50	20.1	<5	1.6	<0.05	—	—	—	—	0.19	—	45	—	—	<0.0025
S98-0452	EMP #3 Pre Purge Blank	19-Oct-98	<2	<2	<2	<2	<2	<2	<6	—	—	631	8.26	369	100	50	17.1	<2	1.6	<0.05	—	—	—	—	<0.01	—	<0.25	—	—	<0.0025
S98-0179	EMP #3 Pump Blank Middle Sample	12-May-98	30	20	6.5	—	—	—	1.1	—	—	720	7.9	390	87	57	—	<2	1.7	<0.05	—	—	—	—	—	—	50	—	—	—
S98-0468	EMP #3 Pump Blank Middle Sample	21-Oct-98	2	3	2	<2	<2	<2	<6	—	—	649	8.23	373	110	48	19.8	2.0	1.5	<0.05	—	—	—	—	0.19	—	40	—	—	<0.0025
S98-0062	EMP #3 Pump Blank Post Sample	24-Feb-98	<0.50	<0.50	<0.50	—	—	—	<1.0	—	—	738	8.2	420	98	60	—	0.7	2	<0.2	—	—	—	—	—	—	51	—	—	—
S98-0192	EMP #3 Pump Blank Post Sample	14-May-98	3.0	3.4	1.4	—	—	—	2.8	—	—	670	8.1	400	88	57	—	0.63	1.8	0.05	—	—	—	—	—	—	48	—	—	—
S98-0224	EMP #3 Pump Blank Post Sample	01-Jun-98	<0.50	0.83	<0.50	—	—	—	<1.0	—	—	690	8.0	420	91	53	—	0.64	1.7	<0.05	—	—	—	—	—	—	50	—	—	—
S98-0298	EMP #3 Pump Blank Post Sample	11-Aug-98	<2	<2	<2	<2	<2	<2	<6	—	—	641	8.13	392	95	54	19.8	<5	1.8	<2.5	—	—	—	—	—	—	47	—	—	—
S98-0065	EMP #3 Pump Blank Pre Sample	24-Feb-98	<0.50	1.1	0.74	—	—	—	1.1	—	—	746	8.2	432	99	62.2	—	0.7	1.9	<0.2	—	—	—	—	—	—	52	—	—	—
S98-0156	EMP #3 Pump Blank Pre Sample	11-May-98	6.7	1.7	<0.50	—	—	—	6.0	—	—	970	7.7	630	98	200	—	<2	1.8	<0.05	—	—	—	—	—	—	91	—	—	—
S98-0289	EMP #3 Pump Blank Pre Sample	10-Aug-98	<2	<2	<2	<2	<2	<2	<6	—	—	676	7.84	458	96	57	19.9	<2.5	1.9	<1.25	—	—	—	—	—	—	47Jm	—	—	—
S99-0079	EMP #3 Pump Blank Before	23-Feb-99	<2	<2	<2	<2	<2	<2	<6	—	—	1,170	8.44	681	210	42	14.1	<2	1.7	<0.05	—	—	—	—	—	—	52	—	—	—
S99-0086	EMP #3 Pump Blank After	23-Feb-99	<2	<2	<2	<2	<2	<2	<6	—	—	1,610	8.66	981	350	45	13.5	<2	1.8	<0.05	—	—	—	—	—	—	51	—	—	—
M99-0003	EMP #3 Before Purging Wells	10-May-99	<2	<2	<2	<2	<2	<2	<6	—	—	1,120	7.86	646	210	51	22.3	0.6	1.5	<0.05	—	—	—	—	0.22	—	50	—	—	<0.0025
M99-0015	EMP #3 Middle	12-May-99	—	—	—	—	—	—	—	—	—	609	—	379	73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0028	EMP #3 After Purging	14-May-99	<2	3	<2	<2	<2	<2	<6	—	<0.25	599	8.27	356	66	53	24.0	0.5	1.8	<0.05	—	—	—	—	0.21	—	44	—	—	0.0060
M99-0084	EMP #3 Pump Blank Before	09-Aug-99	<2	<2	<2	<2	<2	<2	<6	—	—	578	8.30	305	49	1.1	20.1	<0.2	<0.4	0.70	—	—	—	—	—	—	0.79	—	—	—
M99-0091	EMP #3 Pump Blank After	11-Aug-99	<2	<2	<2	<2	<2	<2	<6	—	—	588	8.32	305	70	53	22.1	2.1	1.7	<0.05	—	—	—	—	—	—	45	—	—	—
M99-0180	EMP #3 Before Purging Wells	18-Oct-99	14	31	2.0	—	—	—	4.0	—	—	1,070	7.37	673	140	200	20.7	0.65	1.7	0.29	—	0.043	0.0076	0.053	0.22	<0.002	88	<0.005	<0.005	0.0035
M99-0200	EMP #3 Middle	22-Oct-99	2.6	7.7	2.6	—	—	—	4.1	—	—	624	8.22	397	110	50	19.4	0.60	1.6	<0.05	—	0.033	0.0066	0.075	0.20	<0.002	44	<0.005	<0.005	<0.0025
M99-0207	EMP #3 After Purging	23-Oct-99	<2	7.4	2.6	—	—	—	4.4	—	—	640	8.29	367	96	50	21.4	0.58	1.6	<0.05	—	0.059	0.0062	0.092	0.20	<0.002	50	<0.005	<0.005	<0.0025
M00-0020	EMP #3 Pump Blank Before Purging	22-Feb-00	<2	<2	<2	—	—	—	7.5	—	—	683	6.60	490	86	54	16.6	<1	1.8	<0.5	—	—	—	—	—	—	47	—	—	—
M00-0029	EMP #3 After Purging Wells	23-Feb-00	<2	<2	<2	—	—	—	2.5	—	—	681	6.99	460	82	52	17.0	0.63	1.8	<0.5	—	—	—	—	—	—	46	—	—	—
M00-0075	EMP #3 Before Purging Wells	08-May-00	<5	<5	<5	—	—	—	<10	—	—	653	7.16	482	83	51	21.8	0.46	1.7	<1	—	—	—	—	—	—	46	—	—	—
M00-0090	EMP #3 Middle of Sampling	10-May-00	—	—	—	—	—	—	—	—	—	648	—	373	98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0103	EMP #3 Pump Blank After Sampling	12-May-00	<5	<5	<5	—	—	—	<10	—	—	670	8.22	405	91	52	18.5	0.54	1.6	<0.1	—	—	—	—	—	—	49	—	—	—
M00-0193	EMP #3 Before Purging Wells	07-Aug-00	<2	<2	<2	—	—	—	<4	—	—	552	7.49	369	81	38	25.8	0.29	1.1	<0.05	—	—	—	—	—	—	30	—	—	—
M00-0202	EMP #3 Pump Blank After Purging	08-Aug-00	<2	<2	<2	—	—	—	<4	—	—	600	8.18	317	58	45	25.9	0.50	1.7	0.21	—	—	—	—	—	—	44	—	—	—
M00-0213	EMP #3 Before Purging Wells	26-Oct-00	<2	<2	<2	—	—	—	6.3	—	—	3,030	7.11	1,920	1,300	80	14.5	<2	1.7	<1	—	—	<0.1	0.13	0.23	<0.01	62	<0.01	—	0.0055
M00-0228	EMP #3 Middle of Sampling	01-Nov-00	<2	<2	<2	—	—	—	<4	—	—	9,200	8.03	6,080	3,300	240	14.4	<2	1.9	<1	—	—	<0.1	0.25	0.31	<0.01	120	<0.01	—	0.0061
M00-0244	EMP #3 After Purging Wells	06-Nov-00	<2	<2	<2	—	—	—	<4	—	—	4,400	8.1	3,500	2,100	150	16.7	<4	1.9	<2	—	—	<0.1	0.14	0.28	<0.01	72	<0.01	—	<0.005

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as $CaCO_3$), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as $CaCO_3$), mg/l
2003030318/T4096-2	Bailer Blank	26-Mar-03	—	—	—	—	—	—	—	—	—	—	—	1.460	—	—	—	—	—	—	—
2003050551-1	Bailer Blank	19-May-03	—	—	<0.130	—	—	—	—	—	—	—	—	1.340	—	—	<1.0	—	—	—	<1.0
2003080979-2	Bailer Blank	19-Aug-03	—	—	<5.000	—	—	—	—	—	—	—	—	<5.000	—	—	<1.0	—	—	—	<6.6
2003101363-2	Bailer Blank	03-Nov-03	—	—	—	—	—	—	—	—	—	—	—	67.500	—	—	—	—	—	—	—
2003101363-16	Bailer Blank	05-Nov-03	—	—	—	—	—	—	—	—	—	—	—	<5.000	—	—	—	—	—	—	—
2003101363-28	Bailer Blank	07-Nov-03	—	—	—	—	—	—	—	—	—	—	—	<5.000	—	—	—	—	—	—	—
2004020197-4	Bailer Blank	26-Feb-04	—	—	—	—	—	—	—	—	—	—	—	<5.000	—	—	—	—	—	—	—
2004050647-2	Bailer Blank	12-May-04	—	—	—	—	—	—	—	—	—	—	—	<5.000	—	—	—	—	—	—	—
2004081157-2	Bailer Blank	24-Aug-04	—	—	—	—	—	—	—	—	—	—	—	<5.000	—	—	—	—	—	—	—
2004111601-2	Bailer Blank	9-Nov-04	—	—	—	—	—	—	—	—	—	—	—	<5.0	—	—	—	—	—	—	—
2004111601-19	Bailer Blank	11-Nov-04	—	—	—	—	—	—	—	—	—	—	—	<5.0	—	—	—	—	—	—	—
2004111601-31	Bailer Blank	12-Nov-04	—	—	—	—	—	—	—	—	—	—	—	<5.0	—	—	—	—	—	—	—
2005020148-2	Bailer Blank	14-Feb-05	—	—	—	—	—	—	—	—	—	—	—	<10.000	—	—	—	—	—	—	—
2005050586-4	Bailer Blank	23-May-05	—	—	—	—	—	—	—	—	—	—	—	<5.000	—	—	—	—	—	—	—
2005081051-2	Bailer Blank	22-Aug-05	—	—	—	—	—	—	—	—	—	—	—	<5.000	—	—	—	—	—	—	—
2005121523-2	Bailer Blank	12-Dec-05	—	—	—	—	—	—	—	—	—	—	—	<5.000	—	—	—	—	—	—	—
2005121523-16	Bailer Blank	13-Dec-05	—	—	—	—	—	—	—	—	—	—	—	<5.000	—	—	—	—	—	—	—
2005121523-29	Bailer Blank	15-Dec-05	—	—	—	—	—	—	—	—	—	—	—	<5.000	—	—	—	—	—	—	—
2006020147-2	Bailer Blank	13-Feb-06	—	—	—	—	—	—	—	—	—	—	—	<5.000	—	—	—	—	—	—	—
2006050558-2	Bailer Blank	8-May-06	—	—	—	—	—	—	—	—	—	—	—	<5.000	—	—	—	—	—	—	—
2006081053-2	Bailer Blank	22-Aug-06	—	—	—	—	—	—	—	—	—	—	—	<5.000	—	—	—	—	—	—	—
2007030225-2	Bailer Blank	5-Mar-07	—	—	—	—	—	—	—	—	—	—	—	<0.5	—	—	—	—	—	—	—
2007030225-19	Bailer Blank	7-Mar-07	—	—	—	—	—	—	—	—	—	—	—	<0.5	—	—	—	—	—	—	—
2007030225-33	Bailer Blank	8-Mar-07	—	—	—	—	—	—	—	—	—	—	—	<0.5	—	—	—	—	—	—	—
2007050615-2	Bailer Blank	15-May-07	—	—	—	—	—	—	—	—	—	—	—	<0.5	—	—	—	—	—	—	—
2007081015-2	Bailer Blank	22-Aug-07	—	—	—	—	—	—	—	—	—	—	—	77.1	—	—	—	—	—	—	—
2007111584-2	Bailer Blank	12-Nov-07	—	—	—	—	—	—	—	—	—	—	—	<0.5	—	—	—	—	—	—	—
2007111584-17	Bailer Blank	13-Nov-07	—	—	—	—	—	—	—	—	—	—	—	<0.5	—	—	—	—	—	—	—
2007111584-32	Bailer Blank	16-Nov-07	—	—	—	—	—	—	—	—	—	—	—	<0.5	—	—	—	—	—	—	—
S98-0477	EMP #3 Post Purge	22-Oct-98	0.77	—	13	0.050	—	—	—	4.0	—	15	—	75	—	<0.05	130	130	<25	<25	160
S98-0452	EMP #3 Pre Purge Blank	19-Oct-98	<0.05	—	<0.25	<0.0025	—	—	—	<1	—	13	—	<0.25	—	<0.05	110	110	<25	<25	<1
S98-0179	EMP #3 Pump Blank Middle Sample	12-May-98	—	—	13	—	—	—	—	4	—	18	—	75	—	—	150	150	—	—	—
S98-0468	EMP #3 Pump Blank Middle Sample	21-Oct-98	0.77	—	12	0.047	—	—	—	4.0	—	14	—	95	—	<0.05	130	130	<25	<25	150
S98-0062	EMP #3 Pump Blank Post Sample	24-Feb-98	—	—	14	—	—	—	—	4	—	14	—	72	—	—	160	—	—	—	—
S98-0192	EMP #3 Pump Blank Post Sample	14-May-98	—	—	12	—	—	—	—	4	—	17	—	72	—	—	140	140	—	—	—
S98-0224	EMP #3 Pump Blank Post Sample	01-Jun-98	—	—	13	—	—	—	—	4	—	16	—	76	—	—	150	150	—	—	—
S98-0298	EMP #3 Pump Blank Post Sample	11-Aug-98	—	—	12	—	—	—	—	4.1	—	17	—	78	—	—	130	130	<25	<25	170
S98-0065	EMP #3 Pump Blank Pre Sample	24-Feb-98	—	—	14	—	—	—	—	4	—	13	—	75	—	—	161.8	—	—	—	—
S98-0156	EMP #3 Pump Blank Pre Sample	11-May-98	—	—	23	—	—	—	—	5	—	13	—	74	—	—	110	110	—	—	—
S98-0289	EMP #3 Pump Blank Pre Sample	10-Aug-98	—	—	12	—	—	—	—	4.2	—	19	—	79	—	—	140	140	<25	<25	170
S99-0079	EMP #3 Pump Blank Before	23-Feb-99	—	—	14	—	—	—	—	4.2	—	18	—	190	—	—	180	170	6	<25	180
S99-0086	EMP #3 Pump Blank After	23-Feb-99	—	—	14	—	—	—	—	4.7	—	18	—	270	—	—	180	160	16	<25	190
M99-0003	EMP #3 Before Purging Wells	10-May-99	0.45	—	14	0.040	—	—	—	4.3	—	22	—	170	—	0.15	160	160	<25	<25	180
M99-0015	EMP #3 Middle	12-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0028	EMP #3 After Purging	14-May-99	0.76	—	11	0.054	—	—	—	4.2	—	19	—	65	—	<0.05	150	150	<25	<25	150
M99-0084	EMP #3 Pump Blank Before	09-Aug-99	—	—	<0.25	—	—	—	—	<1	—	11	—	140	—	—	220	220	2	<25	2.8
M99-0091	EMP #3 Pump Blank After	11-Aug-99	—	—	11	—	—	—	—	3.9	—	18	—	77	—	—	130	130	<25	<25	160
M99-0180	EMP #3 Before Purging Wells	18-Oct-99	0.69	<0.005	21	0.051	<0.0002	0.0062	<0.02	5.6	—	25	<0.005	92	<0.005	0.11	96	96	<25	<25	310
M99-0200	EMP #3 Middle	22-Oct-99	0.72	<0.005	12	0.051	<0.0002	0.0069	<0.02	4.3	—	17	<0.005	80	<0.005	<0.05	120	120	<25	<25	160
M99-0207	EMP #3 After Purging	23-Oct-99	0.89	<0.005	13	0.058	<0.0002	0.0083	<0.02	4.4	—	20	<0.005	80	<0.005	<0.05	130	130	<25	<25	180
M00-0020	EMP #3 Pump Blank Before Purging	22-Feb-00	—	—	12	—	—	—	—	5.0	—	19	—	74	—	—	87	87	<25	<25	170
M00-0029	EMP #3 After Purging Wells	23-Feb-00	—	—	12	—	—	—	—	5.2	—	13	—	76	—	—	95	95	<25	<25	160
M00-0075	EMP #3 Before Purging Wells	08-May-00	—	—	12	—	—	—	—	4.7	—	25	—	73	—	—	130	130	<25	<25	160
M00-0090	EMP #3 Middle of Sampling	10-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0103	EMP #3 Pump Blank After Sampling	12-May-00	—	—	13	—	—	—	—	4.4	—	22	—	72	—	—	150	150	<25	<25	170
M00-0193	EMP #3 Before Purging Wells	07-Aug-00	—	—	9.5	—	—	—	—	3.1	—	21	—	78	—	—	140	140	<25	<25	110
M00-0202	EMP #3 Pump Blank After Purging	08-Aug-00	—	—	12	—	—	—	—	4.1	—	21	—	72	—	—	130	130	<25	<25	150
M00-0213	EMP #3 Before Purging Wells	26-Oct-00	2.9	<0.05	20	0.13	<0.0002	—	—	19	<0.1	26	<0.02	540	—	<0.1	140	140	<25	<25	240
M00-0228	EMP #3 Middle of Sampling	01-Nov-00	3.0	<0.05	45	0.29	<0.0002	—	—	65	<0.1	19	<0.02	800	—	<0.1	140	140	<25	<25	480
M00-0244	EMP #3 After Purging Wells	06-Nov-00	1.2	<0.05	27	0.15	<0.0002	—	—	40	<0.1	23	<0.02	600	—	<0.1	150	150	<25	<25	290

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umho/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature, °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l
M01-0009	EMP # 3 Pump Blank Before Sampling	20-Feb-01	<2	<2	<2	---	---	---	<4	<5	---	1,380	8.17 H	736	340	52	21.5	0.56	1.7	<0.1	---	---	---	---	---	---	36	---	---	---
M01-0019	EMP #3 After Purging Wells	21-Feb-01	<2	<2	<2	---	---	---	<4	<5	---	1,120	8.24 H	592	240	52	21.9	0.53	1.8	0.19	---	---	---	---	---	---	36	---	---	---
M01-0130	EMP #3 Pump Blank Before Purging Wells	02-May-01	<2	<2	<2	---	---	---	3.8	<5	---	565	7.67	321	67	<2	18.9	<1	0.99	<0.5	---	---	---	---	---	---	34	---	---	---
M01-0154	EMP #3 Pump Blank Middle of Purging Wells	06-May-01	---	---	---	---	---	---	---	---	---	733	---	426	110	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M01-0162	EMP #3 After Purging Wells	07-May-01	<2	<2	<2	---	---	---	5.2	<5	---	724	8.19 H	426	130	62	25.6	0.60	1.8	<1	---	---	---	---	---	---	34	---	---	---
M01-0403	EMP #3 Before Purging Wells	01-Aug-01	<2	<2	<2Jc	---	---	---	4.6	---	---	622	7.4	418	71	35	23.3	<2	1.7	<1	---	---	---	---	---	---	35	---	---	---
M01-0413	EMP #3 After Purging Wells	02-Aug-01	<2	<2	<2	---	---	---	<2	---	---	516	8.2	303	74	52	22.9	0.48	1.7	<0.05	---	---	---	---	---	---	34	---	---	---
M01-0465	EMP #3 Pump Blank Before Purging Wells	22-Oct-01	<2	<2	<2	---	---	---	3	---	---	501	7.27	375	66	24	21.5	<2	1.8	<1	---	<0.05	<0.1	0.045	0.20	<0.005	32	<0.01	<0.01	<0.005
M01-0478	EMP #3 Middle of Purging Wells	24-Oct-01	<2	<2	<2	---	---	---	3.2	---	---	565	8.22 H	310	76	44	20.3	<2	1.7	<0.5	---	0.067	<0.1	0.059	0.19	<0.005	40	<0.01	<0.01	<0.005
M01-0492	EMP #3 After Purging Wells	29-Oct-01	2.2	<2	<2	---	---	---	6.2	---	---	572	8.01 H	343	59	47	23.3	<2	1.8	<0.5	---	0.400	<0.1	0.051	0.23	<0.005	38	<0.01	<0.01	<0.005
M02-0040	EMP #3 Before Purging Wells	19-Feb-02	<2.0	5.8	2.1	---	---	---	12	---	---	533	8.14 H	290	42	44	---	0.38	1.9	<0.10	---	---	---	---	---	---	43	---	---	---
M02-0040	EMP #3 Before Purging Wells R	19-Feb-02	<2.0 H	<2.0 H	<2.0 H	---	---	---	<2.0 H	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M02-0048	EMP #3 After Purging Wells	20-Feb-02	<2.0	<2.0	<2.0	---	---	---	<2.0	---	---	550	8.14 H	270	42	43	---	<2.5	1.9	0.080	---	---	---	---	---	---	43	---	---	---
M02-0048	EMP #3 After Purging Wells R	20-Feb-02	<2.0 H	<2.0 H	<2.0 H	---	---	---	<2.0 H	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002040220-01	EMP #3 Pump BlankBefore Purging Wells	29-Apr-02	<2.0	<2.0	<2.0	---	---	---	<4.0	---	---	842	7.33 H	550	51	160	---	<1	2.1	<1.0	---	---	---	---	---	---	74	---	---	---
2002040220-15	EMP #3 Pump Blank During Purging Wells	30-Apr-02	---	---	---	---	---	---	---	---	---	1,050	---	684	69	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2202040220-25	EMP #3 Pump Blank After Purging Wells	02-May-02	<2.0	<2.0	<2.0	---	---	---	<2.0	<5.0	---	1,040	8.26 H	685	41	150	---	<1.0	2.2	1.1	---	---	---	---	---	---	98	---	---	---
7	EMP #3 Pump Blank After Purging Wells	25-Sep-02	<2.0	<2.0	<2.0	---	---	---	<4.0	<5.0	---	1,060	7.92 H	805	61	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002110896-2	EMP #3 Pump Blank Before Purging Wells	03-Nov-02	<1.0	<1.0	<1.0	<2.0		<1.0	<3.0	---	---	1,000	7.71 H	730	61	270	---	<0.50	2.3	0.88 H	---	---	0.011	---	0.26	---	93	---	---	---
2002110896-14	EMP #3 Pump Blank During Purging Wells	05-Nov-02	4.4	3.4	3.4	4.2		1.1	5.3	---	---	970	7.99 H	760	64	280	---	<0.50	2.6	1.4	---	---	0.011	---	0.24	---	93	---	---	---
2002110896-29	EMP #3 Pump Blank After Purging Wells	08-Nov-02	<1.0	<1.0	<1.0	<2.0		<1.0	<3.0	---	---	950	7.92 H	710	62	270	---	<0.50	2.4	1.7	---	---	0.0086	---	0.24	---	100	---	---	---
2003030318/T4096-1	Pump Blank	26-Mar-03	<2.0	<2.0	<2.0	---	---	---	<6.0	---	---	910	7.5 H	634	55.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2003050551-2	Pump Blank	19-May-03	<2.0	<2.0	<2.0	---	---	---	<6.0	---	---	957	7.4 H	686	58.0	---	---	---	---	---	---	---	---	---	---	---	79.200	---	---	---
2003080979-1	Pump Blank	19-Aug-03	<2.0	<2.0	<2.0	---	---	---	<6.0	---	---	---	---	640	57.2	---	---	---	---	---	---	---	---	---	---	---	85.900	---	---	---
2003101363-1	Pump Blank	03-Nov-03	<2.0	<2.0	<2.0	---	---	---	<6.0	---	---	---	---	<10	0.20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2003101363-15	Pump Blank	05-Nov-03	2.0	1.7 J	2.2	---	---	---	3.1 J	---	---	---	---	688	26.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2003101363-29	Pump Blank	07-Nov-03	<2.0	<2.0	<2.0	---	---	---	<6.0	---	---	---	---	666	50.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2004020197-3	Pump Blank	26-Feb-04	<2.0	<2.0	<2.0	---	---	---	<6.0	---	---	---	---	654	53.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2004050647-1	Pump Blank	12-May-04	<2.0	<2.0	<2.0	---	---	---	<6.0	---	---	---	---	660	53.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2004081157-1	Pump Blank	24-Aug-04	<2.0	<2.0	<2.0	---	---	---	<6.0	---	---	---	---	732	53.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2004111601-1	Pump Blank	09-Nov-04	<1.0	<1.0	<1.0	---	---	---	<2.0	---	---	---	---	653	59.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2004111601-18	Pump Blank	11-Nov-04	6.2	1.6	2.9	---	---	---	3.60	---	---	---	---	732	52.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2004111601-32	Pump Blank	12-Nov-04	<10 R	<10 R	<10 R	---	---	---	<20 R	---	---	---	---	744	58.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2005020148-1	Pump Blank	14-Feb-05	1.1 J	<2.0	<2.0	---	---	---	<6.0	---	---	---	---	703	57.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2005050586-3	Pump Blank	23-May-05	1.8 J	<2.0	<2.0	---	---	---	<6.0	---	---	---	---	671	54.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2005081051-1	Pump Blank	22-Aug-05	<2.0	<2.0	<2.0	---	---	---	<6.0	---	---	---	---	675	56.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2005121523-1	Pump Blank	12-Dec-05	<100	<100	<100	---	---	---	<300	---	---	---	---	712	62.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2005121523-15	Pump Blank	13-Dec-05	<100	<100	<100	---	---	---	<300	---	---	---	---	749	55.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2005121523-30	Pump Blank	15-Dec-05	<2.0	<2.0	<2.0	---	---	---	<6.0	---	---	---	---	693	44.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2006020147-1	Pump Blank	13-Feb-06	<100	<100	<100	---	---	---	<300	---	---	---	---	766	58.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2006050558-1	Pump Blank	08-May-06	<2.0	<2.0	<2.0	---	---	---	<6.0	---	---	---	---	581	49.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2006081053-1	Pump Blank	22-Aug-06	12.9	0.99 J	<2.0	---	---	---	<6.0	---	---	---	---	636	54.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2007030225-1	Pump Blank	05-Mar-07	<1	<1	<1	<1		<1	<1	---	---	---	---	692	53.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2007030225-18	Pump Blank	07-Mar-07	1.5	<1	1.4	1.7		<1	1.7	---	---	---	---	658	53.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2007030225-32	Pump Blank	08-Mar-07	<5	<5	<5	6.3		<5	6.3	---	---	---	---	754	49.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2007050615-1	Pump Blank	15-May-07	<1	<1	<1	<1		<1	<1	---	---	---	---	741	57.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2007081015-3	Pump Blank	22-Aug-07	<1	<1	<1	<1		<1	<1	---	---	---	---	728	53.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2007111584-1	Pump Blank	12-Nov-07	<1	<1	<1	<1		<1	<1	---	---	---	---	794	55	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2007111584-16	Pump Blank	13-Nov-07	2.2	<1	2.6	2.2		<1	2.2	---	---	---	---	710	57.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2007111584-31	Pump Blank	16-Nov-07	<1	<1	<1	<1		<1	<1	---	---	---	---	791	56.4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
S98-0064	Field Blank	24-Feb-98	<0.50	0.93	<0.50	---	---	---	2.3	---	---	2	5.8	<20	<0.2	<1	---	<0.2	<0.1	<0.2	---	---	---	---	---	---	<1	---	---	---
S98-0171	Field Blank	12-May-98	<0.50	<0.50	<0.50	---	---	---	<1.0	---	---	54	5.7	<20	<0.2	<1	---	<0.2	<0.1	<0.05	---	---	---	---	---	---	<1	---	---	---
S98-0223	Field Blank	01-Jun-98	17	100	<0.50	---	---	---	120	---	---	3.2	6.0	<20	0.33	<1	---	<0.2	<0.1	<0.05	---	---	---	---	---	---	<1	---	---	---
S98-0291	Field Blank	10-Aug-98	<2	<2	<2	<2	<2	<2	<6	---	---	20.7	9.56	31	<0.1	<2.0	19.3	<0.1	<0.10	<1.25	---	---	---	---	---	---	3.6	---	---	---
S98-0480	Field Blank	22-Oct-98	<2	<2	<2	<2	<2	<2	<6	---	---	1.23	5.67	59	<0.1	<0.1	21.8	<0.2	<0.4	<0.05	---	---	---	---	0.016	---	<0.25	---	---	<0.0025
S99-0077	Field Blank	23-Feb-99	<2	<2	<2	<2	<2	<2	<6	---	---	2.46	5.35	<25	<0.1	<0.1	14.8	<0.2	<0.4	<0.05	---	---	---	---	---	---	<0.25	---	---	---
M99-0001	Field Blank	10-May-99	<2	<2	<2	<2	<2	<2	<6	---	---	1.32	6.18	41	<0.1	<0.1	21.5	<0.2	<0.4	<0.05	---	---	---	---	<0.01	---	<0.25	---	---	<0.0025
M99-0209	Field Blank	23-Oct-99	<2	<2	<2	<2	<2	<2	<6	---	---	3.70	5.94	<15	0.32	<0.5	21.7	<0.2	<0.4	0.080	---	<0.025	<0.005	<0.0025	<0.01	<0.002	0.33	<0.005	<0.005	<0.0025

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as $CaCO_3$), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as $CaCO_3$), mg/l
M01-0009	EMP # 3 Pump Blank Before Sampling	20-Feb-01	---	---	12	---	---	---	---	11	---	23	---	220	---	---	140	140	<25	<25	140
M01-0019	EMP #3 After Purging Wells	21-Feb-01	---	---	12	---	---	---	---	9.1	---	22	---	180	---	---	150	150	<25	<25	140
M01-0130	EMP #3 Pump Blank Before Purging Wells	02-May-01	---	---	13	---	---	---	---	3.2	---	22	---	76	---	---	160	160	<25	<25	140
M01-0154	EMP #3 Pump Blank Middle of Purging Wells	06-May-01	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M01-0162	EMP #3 After Purging Wells	07-May-01	---	---	11	---	---	---	---	5.5	---	21	---	93	---	---	150	150	<25	<25	130
M01-0403	EMP #3 Before Purging Wells	01-Aug-01	---	---	9.7	---	---	---	---	5.3	---	26	---	75	---	---	150	150	<25	<25	130
M01-0413	EMP #3 After Purging Wells	02-Aug-01	---	---	8.3	---	---	---	---	4.7	---	25	---	59	---	---	130	130	<25	<25	120
M01-0465	EMP #3 Pump Blank Before Purging Wells	22-Oct-01	1.4	<0.05	7.9	0.056	<0.0002	<0.01	<0.04	4.1	<0.1	25	<0.02	58	<0.005	<0.1	130	130	<25	<25	110
M01-0478	EMP #3 Middle of Purging Wells	24-Oct-01	0.64	<0.05	9.8	0.043	<0.0002	<0.01	<0.04	4.0	<0.1	25	<0.02	61	<0.005	<0.1	140	140	<25	<25	140
M01-0492	EMP #3 After Purging Wells	29-Oct-01	0.41	<0.05	9.8	0.032	<0.0002	0.01	<0.04	3.7	<0.1	25	<0.02	59	<0.005	<0.1	140	140	<25	<25	140
M02-0040	EMP #3 Before Purging Wells	19-Feb-02	---	---	11	---	---	---	---	3.4	---	12	---	55	---	---	140	140	<25	<25	150
M02-0040	EMP #3 Before Purging Wells R	19-Feb-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
M02-0048	EMP #3 After Purging Wells	20-Feb-02	---	---	10	---	---	---	---	3.3	---	28	---	52	---	---	150	150	<25	<25	150
M02-0048	EMP #3 After Purging Wells R	20-Feb-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2002040220-01	EMP #3 Pump BlankBefore Purging Wells	29-Apr-02	---	---	23	---	---	---	---	4.2	---	31	---	64	---	---	160	160	<25	<25	280
2002040220-15	EMP #3 Pump Blank During Purging Wells	30-Apr-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2202040220-25	EMP #3 Pump Blank After Purging Wells	02-May-02	---	---	37	---	---	---	---	5.2	---	32	---	82	---	---	190	190	<25	<25	400
7	EMP #3 Pump Blank After Purging Wells	25-Sep-02	---	---	---	---	---	---	---	---	---	---	---	77	---	---	---	---	---	---	---
2002110896-2	EMP #3 Pump Blank Before Purging Wells	03-Nov-02	1.8	---	33	0.15	---	---	---	8.3	---	46	---	86	---	---	180	180	<2.0	<2.0	370
2002110896-14	EMP #3 Pump Blank During Purging Wells	05-Nov-02	1.2	---	33	0.085	---	---	---	5.8	---	48	---	80	---	---	180	180	<2.0	<2.0	370
2002110896-29	EMP #3 Pump Blank After Purging Wells	08-Nov-02	0.88	---	35	0.071	---	---	---	6.3	---	49	---	89	---	---	180	180	<2.0	<2.0	390
2003030318/T4096-1	Pump Blank	26-Mar-03	---	---	---	---	---	---	---	---	---	---	---	51.800	---	---	---	---	---	---	---
2003050551-2	Pump Blank	19-May-03	---	---	28.600	---	---	---	---	---	---	---	---	65.100	---	---	191	---	---	---	315
2003080979-1	Pump Blank	19-Aug-03	---	---	32.200	---	---	---	---	---	---	---	---	74.800	---	---	202	---	---	---	347
2003101363-1	Pump Blank	03-Nov-03	---	---	---	---	---	---	---	---	---	---	---	<5.000	---	---	---	---	---	---	---
2003101363-15	Pump Blank	05-Nov-03	---	---	---	---	---	---	---	---	---	---	---	72.200	---	---	---	---	---	---	---
2003101363-29	Pump Blank	07-Nov-03	---	---	---	---	---	---	---	---	---	---	---	67.500	---	---	---	---	---	---	---
2004020197-3	Pump Blank	26-Feb-04	---	---	---	---	---	---	---	---	---	---	---	73.600	---	---	---	---	---	---	---
2004050647-1	Pump Blank	12-May-04	---	---	---	---	---	---	---	---	---	---	---	69.800	---	---	---	---	---	---	---
2004081157-1	Pump Blank	24-Aug-04	---	---	---	---	---	---	---	---	---	---	---	68.800	---	---	---	---	---	---	---
2004111601-1	Pump Blank	09-Nov-04	---	---	---	---	---	---	---	---	---	---	---	69.8	---	---	---	---	---	---	---
2004111601-18	Pump Blank	11-Nov-04	---	---	---	---	---	---	---	---	---	---	---	81.7	---	---	---	---	---	---	---
2004111601-32	Pump Blank	12-Nov-04	---	---	---	---	---	---	---	---	---	---	---	75.3	---	---	---	---	---	---	---
2005020148-1	Pump Blank	14-Feb-05	---	---	---	---	---	---	---	---	---	---	---	77.300	---	---	---	---	---	---	---
2005050586-3	Pump Blank	23-May-05	---	---	---	---	---	---	---	---	---	---	---	73.700	---	---	---	---	---	---	---
2005081051-1	Pump Blank	22-Aug-05	---	---	---	---	---	---	---	---	---	---	---	81.000	---	---	---	---	---	---	---
2005121523-1	Pump Blank	12-Dec-05	---	---	---	---	---	---	---	---	---	---	---	86.500	---	---	---	---	---	---	---
2005121523-15	Pump Blank	13-Dec-05	---	---	---	---	---	---	---	---	---	---	---	93.700	---	---	---	---	---	---	---
2005121523-30	Pump Blank	15-Dec-05	---	---	---	---	---	---	---	---	---	---	---	79.700	---	---	---	---	---	---	---
2006020147-1	Pump Blank	13-Feb-06	---	---	---	---	---	---	---	---	---	---	---	81.600	---	---	---	---	---	---	---
2006050558-1	Pump Blank	08-May-06	---	---	---	---	---	---	---	---	---	---	---	64.000	---	---	---	---	---	---	---
2006081053-1	Pump Blank	22-Aug-06	---	---	---	---	---	---	---	---	---	---	---	72.000	---	---	---	---	---	---	---
2007030225-1	Pump Blank	05-Mar-07	---	---	---	---	---	---	---	---	---	---	---	74.3	---	---	---	---	---	---	---
2007030225-18	Pump Blank	07-Mar-07	---	---	---	---	---	---	---	---	---	---	---	71.9	---	---	---	---	---	---	---
2007030225-32	Pump Blank	08-Mar-07	---	---	---	---	---	---	---	---	---	---	---	86.7	---	---	---	---	---	---	---
2007050615-1	Pump Blank	15-May-07	---	---	---	---	---	---	---	---	---	---	---	78.5	---	---	---	---	---	---	---
2007081015-3	Pump Blank	22-Aug-07	---	---	---	---	---	---	---	---	---	---	---	68	---	---	---	---	---	---	---
2007111584-1	Pump Blank	12-Nov-07	---	---	---	---	---	---	---	---	---	---	---	75.8	---	---	---	---	---	---	---
2007111584-16	Pump Blank	13-Nov-07	---	---	---	---	---	---	---	---	---	---	---	76.6	---	---	---	---	---	---	---
2007111584-31	Pump Blank	16-Nov-07	---	---	---	---	---	---	---	---	---	---	---	72.1	---	---	---	---	---	---	---
S98-0064	Field Blank	24-Feb-98	---	---	<1	---	---	---	---	<1	---	<0.05	---	<1	---	---	<5	---	---	---	---
S98-0171	Field Blank	12-May-98	---	---	<1	---	---	---	---	<1	---	<0.05	---	<1	---	---	<5	<5	---	---	---
S98-0223	Field Blank	01-Jun-98	---	---	<1	---	---	---	---	<1	---	<0.05	---	<1	---	---	<5	<5	---	---	---
S98-0291	Field Blank	10-Aug-98	---	---	<0.25	---	---	---	---	<0.25	---	<10	---	<0.25	---	---	<25	<25	<25	<25	9.0
S98-0480	Field Blank	22-Oct-98	<0.05	---	<0.25	<0.0025	---	---	---	<1	---	<0.25	---	<0.25	---	<0.05	<25	<25	<25	<25	<0.5
S99-0077	Field Blank	23-Feb-99	---	---	<0.25	---	---	---	---	<1	---	<1	---	<0.25	---	---	<25	<25	<25	<25	<1
M99-0001	Field Blank	10-May-99	<0.05	---	<0.25	<0.0025	---	---	---	<1	---	<0.2	---	<0.25	---	<0.05	<25	<25	<25	<25	<1
M99-0209	Field Blank	23-Oct-99	<0.05	0.0062	<0.25	<0.0025	<0.0002	<0.005	<0.02	<1	---	<1	<0.005	<0.25	<0.005	<0.05	<25	<25	<25	<25	<1

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umho/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l
M00-0031	Field Blank	23-Feb-00	<2	<2	<2	<2.0	<2.0	<2.0	<6.0	—	—	1	6.04	<15	<0.1	<0.1	17.4	<0.2	<0.4	<0.1	—	—	—	—	—	—	<0.5	—	—	—
M00-0104	Field Blank	12-May-00	<5	<5	<5	—	—	—	<10	—	—	6	5.47	17	<0.1	<0.1	18.6	<0.2	<0.4	<0.1	—	—	—	—	—	—	<0.5	—	—	—
M00-0203	Field Blank	08-Aug-00	<2	<2	<2	—	—	—	<4	—	—	2.0	6.20	<15	<0.1	<0.1	25.8	<0.2	<0.4	<0.05	—	—	—	—	—	—	<0.5	—	—	—
M00-0246	Field Blank	06-Nov-00	<2	<2	<2	—	—	—	<4	—	—	11.0	5.4	<15	3.3	<0.1	17.2	<0.2	<0.4	<0.1	—	—	<0.1	<0.005	0.12	<0.01	<0.5	<0.01	—	0.10
M01-0020	Field Blank	21-Feb-01	<2	<2	<2	—	—	—	<4	<5	—	1.0	6.14 H	<15	<0.1	<0.1	22.0	<0.2	<0.4	<0.1	—	—	—	—	—	—	<0.5	—	—	—
M01-0164	Field Blank	07-May-01	<2	<2	<2	—	—	—	<2	<5	—	577.0	8.19 H	342	84	<2	25.2	0.17	<0.4	0.630	—	—	—	—	—	—	<0.5	—	—	—
M01-0414	Field Blank	02-Aug-01	<2	<2	<2	—	—	—	<2	—	—	33.2	6.04	28	6.5	1	22.8	0.13	<0.4	0.62	—	—	—	—	—	—	0.51	—	—	—
M01-0491	Field Blank	25-Oct-01	<2	<2	<2	<2	<2	<2	<6	—	—	1.3	6.38	<15	<0.1	<0.1	19.6	<0.2	<0.4	<0.05	—	<0.05	<0.1	<0.005	<0.1	<0.005	<0.5	<0.01	<0.01	<0.005
M01-0494	Field Blank	29-Oct-01	<2	<2	<2	<2	<2	<2	<6	—	—	1.73	6.25 H	<15	<0.1	<0.1	22.8	<0.2	<0.4	<0.05	—	<0.05	<0.1	<0.005	<0.1	<0.005	<0.5	<0.01	<0.01	<0.005
M02-0045	Field Blank	20-Feb-02	<2.0	3.1	2.1	—	—	—	9.0	—	—	3.8	6.06 H	<30.0	0.11	<0.10	—	<0.10	<0.40	<0.010	—	—	—	—	—	—	<0.50	—	—	—
M02-0045	Field Blank R	20-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	—	<2.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0062-03	Field Blank	27-Mar-02	<2.0	<2.0	<2.0	—	—	—	<2.0	<5.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0062-04	Field Blank w/o HCl	27-Mar-02	<2.0	<2.0	<2.0	—	—	—	<2.0	<5.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2202040220-28	Field Blank	02-May-02	<2.0	<2.0	<2.0	—	—	—	<2.0	<5.0	—	26.0	6.33 H	<15.0	3.6	0.28	—	<0.10	<0.40	0.12	—	—	—	—	—	—	<0.50	—	—	—
2002110896-31	Field Blank	08-Nov-02	<1.0	<1.0	<1.0	<2.0		<1.0	<3.0	—	—	1.0	5.88 H	<10	<2.0	<2.0	—	<0.50	<0.40	<0.20	—	—	<0.0050	—	<0.050	—	<2.0	—	—	—
	Trip Blank	07-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	12-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	13-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	24-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	25-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	10-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	11-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	12-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-Nov-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	14-Feb-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-Feb-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank (SPL)	23-May-05	<5	<5	<5	<5	<5	<5	<5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank (Accutest)	23-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	24-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	25-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	22-Aug-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	23-Aug-05	<2.0 H	<2.0 H	<2.0 H	—	—	—	<6.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	12-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	13-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	13-Feb-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	08-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	09-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	22-Aug-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	23-Aug-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	05-Mar-07	<1	<1	<1	<1		<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	06-Mar-07	<1	<1	<1	<1		<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	07-Mar-07	<1	<1	<1	<1		<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	08-Mar-07	<1	<1	<1	<1		<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	09-Mar-07	<1	<1	<1	<1		<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-May-07	<1	<1	<1	<1		<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	16-May-07	<1	<1	<1	<1		<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	22-Aug-07	<1	<1	<1	<1		<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	24-Aug-07	<1	<1	<1	<1		<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	12-Nov-07	<1	<1	<1	<1		<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	13-Nov-07	<1	<1	<1	<1		<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	14-Nov-07	<1	<1	<1	<1		<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-Nov-07	<1	<1	<1	<1		<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	16-Nov-07	<1	<1	<1	<1		<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Laboratory Sample Number	Sample Description	Sample Date	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as $CaCO_3$), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as $CaCO_3$), mg/l
M00-0031	Field Blank	23-Feb-00	—	—	<0.5	—	—	—	—	<2	—	<1	—	<0.5	—	—	<25	<25	<25	<25	<2
M00-0104	Field Blank	12-May-00	—	—	<0.5	—	—	—	—	<2	—	<1	—	<0.5	—	—	<25	<25	<25	<25	<2
M00-0203	Field Blank	08-Aug-00	—	—	<0.5	—	—	—	—	<2	—	<1	—	<0.5	—	—	<25	<25	<25	<25	<2
M00-0246	Field Blank	06-Nov-00	<0.1	<0.05	<0.5	<0.005	<0.0002	—	—	<2	<0.1	1.2	<0.02	1.5	—	<0.1	<25	<25	<25	<25	<2
M01-0020	Field Blank	21-Feb-01	—	—	<0.5	—	—	—	—	<2	—	<1	—	<0.5	—	—	<25	<25	<25	<25	<2
M01-0164	Field Blank	07-May-01	—	—	<0.5	—	—	—	—	<2	—	11	—	140.0	—	—	240	240	<25	<25	<2
M01-0414	Field Blank	02-Aug-01	—	—	<0.5	—	—	—	—	<2	—	<1	—	6.0	—	—	<25	<25	<25	<25	<2
M01-0491	Field Blank	25-Oct-01	<0.1	<0.05	<0.5	<0.005	<0.0002	<0.01	<0.04	<2	<0.1	<1	<0.02	<0.5	<0.005	<0.1	<25	<25	<25	<25	<2
M01-0494	Field Blank	29-Oct-01	<0.1	<0.05	<0.5	<0.005	<0.0002	<0.01	—	<2	<0.1	<1	<0.02	1.4	<0.005	<0.1	<25	<25	<25	<25	<5
M02-0045	Field Blank	20-Feb-02	—	—	<0.50	—	—	—	—	<2.0	—	<1.0	—	<0.50	—	—	<25	<25	<25	<25	<2.0
M02-0045	Field Blank R	20-Feb-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0062-03	Field Blank	27-Mar-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0062-04	Field Blank w/o HCl	27-Mar-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2202040220-28	Field Blank	02-May-02	—	—	<0.50	—	—	—	—	<2.0	—	<1.0	—	<0.50	—	—	<25	<25	<25	<25	<2.0
2002110896-31	Field Blank	08-Nov-02	<0.050	—	<2.0	<0.0010	—	—	—	<2.0	—	0.24	—	<2.0	—	—	<6.0	2	<2.0	<2.0	<13
	Trip Blank	07-Nov-03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	12-May-04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	13-May-04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	24-Aug-04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	25-Aug-04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	10-Nov-04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	11-Nov-04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	12-Nov-04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-Nov-04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	14-Feb-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-Feb-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank (SPL)	23-May-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank (Accutest)	23-May-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	24-May-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	25-May-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	22-Aug-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	23-Aug-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	12-Dec-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	13-Dec-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-Dec-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	13-Feb-06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	08-May-06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	09-May-06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	22-Aug-06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	23-Aug-06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	05-Mar-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	06-Mar-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	07-Mar-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	08-Mar-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	09-Mar-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-May-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	16-May-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	22-Aug-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	24-Aug-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	12-Nov-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	13-Nov-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	14-Nov-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-Nov-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	16-Nov-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Notes:

1. < : Denotes a sample value of less than the laboratory reporting limit.
2. — : No analysis performed.
3. Jm : Estimated value--possible matrix effect.
4. Jc: This concentration may be biased because the continuing calibration verification (CCV) standard did not meet QC requirements for this analyte. However, overall CCV standard recoveries meet method requirements and analytical results are in control.
5. * : Method blank had detectable levels of this compound.
6. 1.2/<0.05 : NEL Lab result/Montgomery Watson Lab result.
7. P : Denotes sample was received with a pH greater than 2.
8. H: Sample was analyzed outside the EPA technical holding time.
9. R : Denotes a reanalyzed sample.
10. J : Indicates an estimated value.
11. 1.00 (404) : Result in parenthesis is from a re-analysis conducted outside the EPA technical holding time.

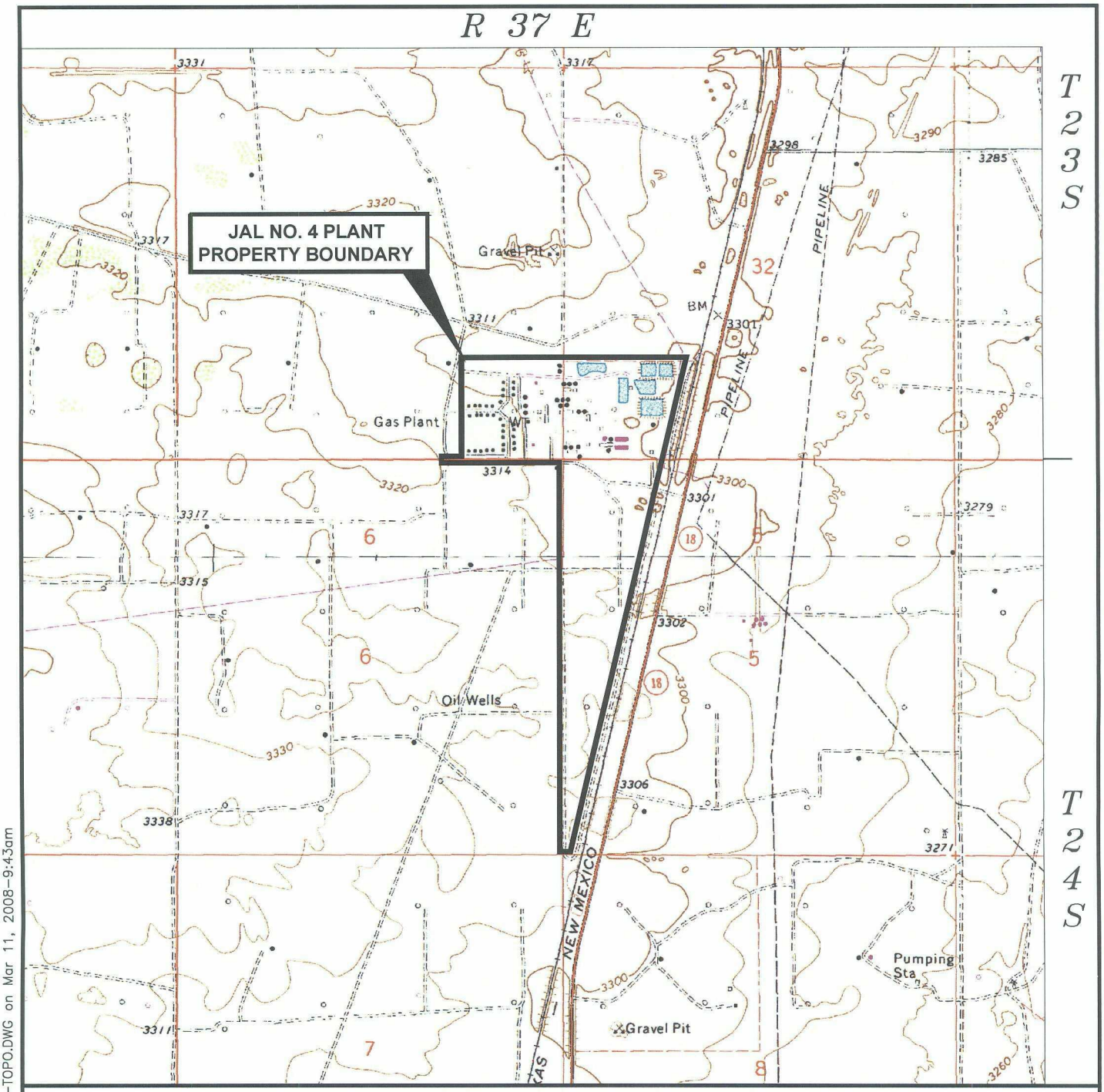
Table 3 : Summary of 2007 Groundwater Recovery/Disposal Volumes
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

Month	CP-37 through CP-42 Comb-S (RW-1)			CP-37 through CP-42 Comb-S (RW-2)			CP-37 through CP-42 Comb-S (ENSR #2)			CP-37 Comb S-9 (ACW-3)			CP-37 Comb S-8 (ACW-8)		
	Meter Readings		Difference	Meter Readings		Difference	Meter Readings		Difference	Meter Readings		Difference	Meter Readings		Difference
	Present	Previous	(gallons)	Present	Previous	(gallons)	Present	Previous	(gallons)	Present	Previous	(gallons)	Present	Previous	(gallons)
	2006 Annual Subtotal		2,367,970	2006 Annual Subtotal		1,205,100	2006 Annual Subtotal		2,151,020	2006 Annual Subtotal		1,725,100	2006 Annual Subtotal		2,293,637
Jan-07	4,422,230	4,422,230	0	16,133,970	16,133,970	0	8,585,650	8,585,650	0	2,905,960	2,762,480	143,480	** 2,628,910	2,447,010	282,862
Feb-07	** 4,455,810	4,422,230	133,580	16,470,630	16,133,970	336,660	** 8,585,650	8,585,650	228,914	3,025,690	2,905,960	119,730	** 2,628,910	2,628,910	198,624
Mar-07	** 4,480,000	4,455,810	247,890	16,852,030	16,470,630	381,400	** 8,585,650	8,585,650	198,764	3,163,990	3,025,690	138,300	** 2,628,910	2,628,910	221,803
Apr-07	** 4,715,420	4,480,000	435,900	17,246,670	16,852,030	394,640	** 8,587,220	8,585,650	129,230	3,312,710	3,163,990	148,720	** 2,687,110	2,628,910	158,300
May-07	** 4,887,370	4,715,420	300,672	17,585,110	17,246,670	338,440	** 8,587,220	8,587,220	142,000	3,447,610	3,312,710	134,900	2,687,110	2,687,110	0
Jun-07	** 4,992,440	4,887,370	205,070	17,759,440	17,585,110	174,330	** 8,587,220	8,587,220	159,000	3,534,450	3,447,610	86,840	** 2,687,110	2,687,110	100,215
Jul-07	5,007,180	4,992,440	14,740	18,052,250	17,759,440	292,810	** 8,587,220	8,587,220	210,200	** 3,579,250	3,534,450	78,022	** 2,687,110	2,687,110	222,640
Aug-07	5,007,180	5,007,180	0	18,248,870	18,051,250	197,620	** 8,587,220	8,587,220	113,822	3,579,250	3,579,250	0	** 2,687,110	2,687,110	172,800
Sep-07	5,268,020	5,007,180	260,840	18,311,540	18,248,870	62,670	** 8,587,220	8,587,220	84,250	** 3,579,250	3,579,250	43,200	** 2,687,110	2,687,110	130,420
Oct-07	5,614,870	5,268,020	346,850	18,311,540	18,311,540	0	** 8,587,220	8,587,220	169,567	** 3,579,250	3,579,250	43,200	** 2,687,110	2,687,110	245,773
Nov-07	5,914,290	5,614,870	299,420	18,311,540	18,311,540	0	** 8,587,220	8,587,220	87,632	** 3,579,250	3,579,250	40,345	** 2,687,110	2,687,110	198,760
Dec-07	6,299,060	5,914,290	384,770	18,311,540	18,311,540	0	** 8,587,220	8,587,220	0	** 3,579,250	3,579,250	46,000	** 2,687,110	2,687,110	219,694
	2007 Annual Subtotal		2,629,732	2007 Annual Subtotal		2,178,570	2007 Annual Subtotal		1,523,379	2007 Annual Subtotal		1,022,737	2007 Annual Subtotal		2,151,891
													2007 Annual Totals		9,506,309
													acre-ft		29.17
													barrels		226,341

Notes:

1. Well designations CP-37 through CP-42 Combined-S (RW-1, RW-2 and ENSR #2), CP-37 Comb S-9 (ACW-3) and CP-37 Comb S-8 (ACW-8) denote permit file numbers issued by the New Mexico State Engineer's Office on June 24, 1997 and September 28, 2006.
2. ** : Denotes recovery well meter malfunction. Groundwater recovery totals were taken from the totalizer meter located in the meter house.

FIGURES

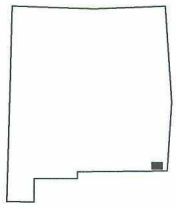


SOURCE: U.S.G.S. 7.5 MIN. TOPOGRAPHIC QUADRANGLES - RATTLESNAKE CANYON, N.M. 1979 AND JAL NW, N.M., 1979

SCALE

0 1/2 1 MILE

NEW MEXICO



N

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FIGURE TITLE
PLANT LOCATION AND TOPOGRAPHIC FEATURES

DOCUMENT TITLE
2007 ANNUAL GROUNDWATER REMEDIATION REPORT

CLIENT
EL PASO NATURAL GAS COMPANY

LOCATION
JAL #4 PLANT
LEA COUNTY, NEW MEXICO

DATE	3/11/08
SCALE	AS SHOWN
DESIGNED BY	BEM\CNA
APPROVED BY	GHR
DRAWN BY	SKG
PROJECT NUMBER	4100417109
FIGURE NUMBER	1

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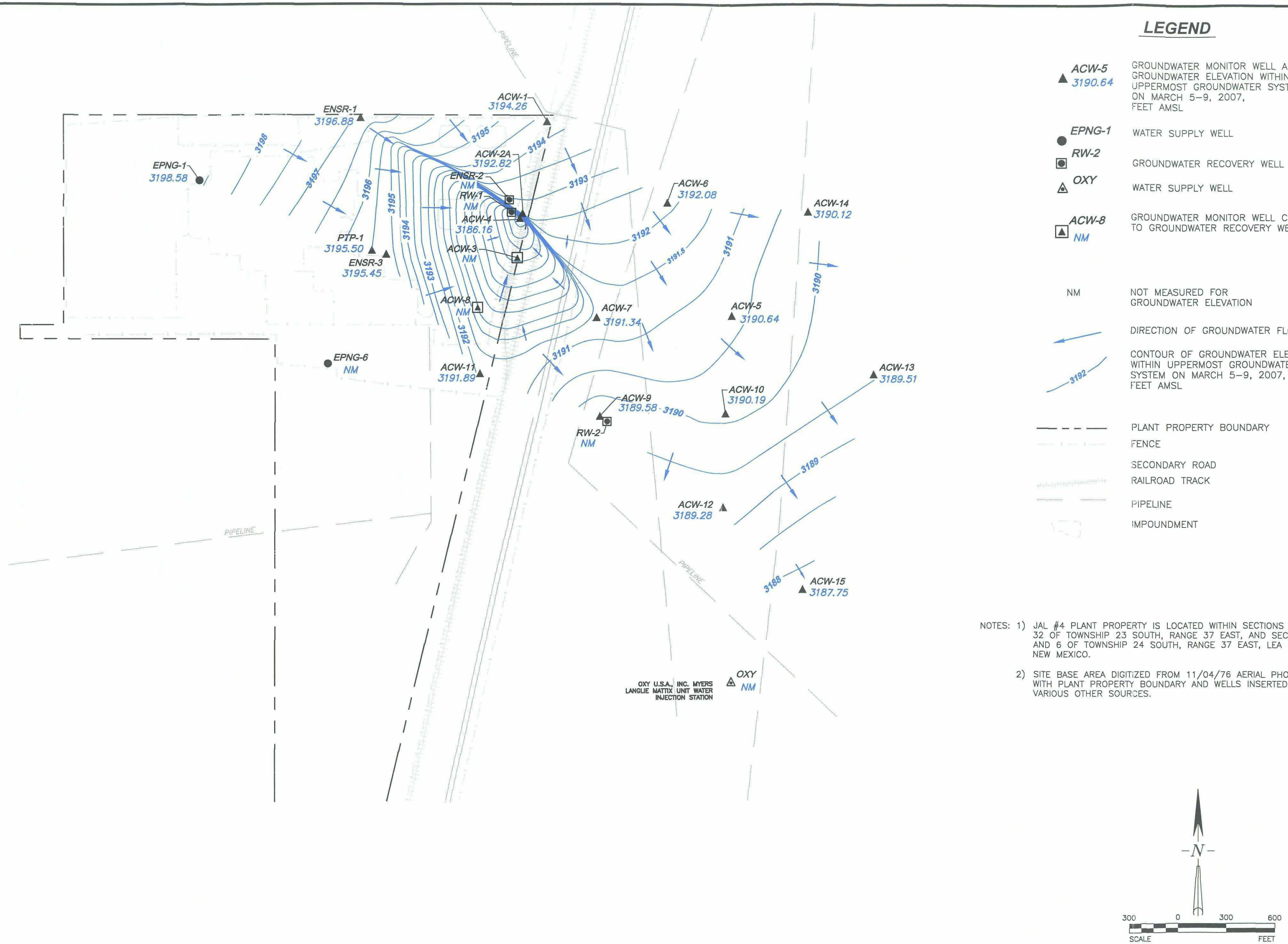

LEGEND

ACW-5 3190.64	GROUNDWATER MONITOR WELL AND GROUNDWATER ELEVATION WITHIN UPPERMOST GROUNDWATER SYSTEM, ON MARCH 5–9, 2007, FEET AMSL
EPNG-1	WATER SUPPLY WELL
RW-2	GROUNDWATER RECOVERY WELL
OXY	WATER SUPPLY WELL
ACW-8 NM	GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL
NM	NOT MEASURED FOR GROUNDWATER ELEVATION
	DIRECTION OF GROUNDWATER FLOW
3192	CONTOUR OF GROUNDWATER ELEVATION WITHIN UPPERMOST GROUNDWATER SYSTEM ON MARCH 5–9, 2007, FEET AMSL
	PLANT PROPERTY BOUNDARY
	FENCE
	SECONDARY ROAD
	RAILROAD TRACK
	PIPELINE
	IMPOUNDMENT

NOTES: 1) JAL #4 PLANT PROPERTY IS LOCATED WITHIN SECTIONS 31 AND 32 OF TOWNSHIP 23 SOUTH, RANGE 37 EAST, AND SECTIONS 5 AND 6 OF TOWNSHIP 24 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO.

2) SITE BASE AREA DIGITIZED FROM 11/04/76 AERIAL PHOTOGRAPH WITH PLANT PROPERTY BOUNDARY AND WELLS INSERTED FROM VARIOUS OTHER SOURCES.

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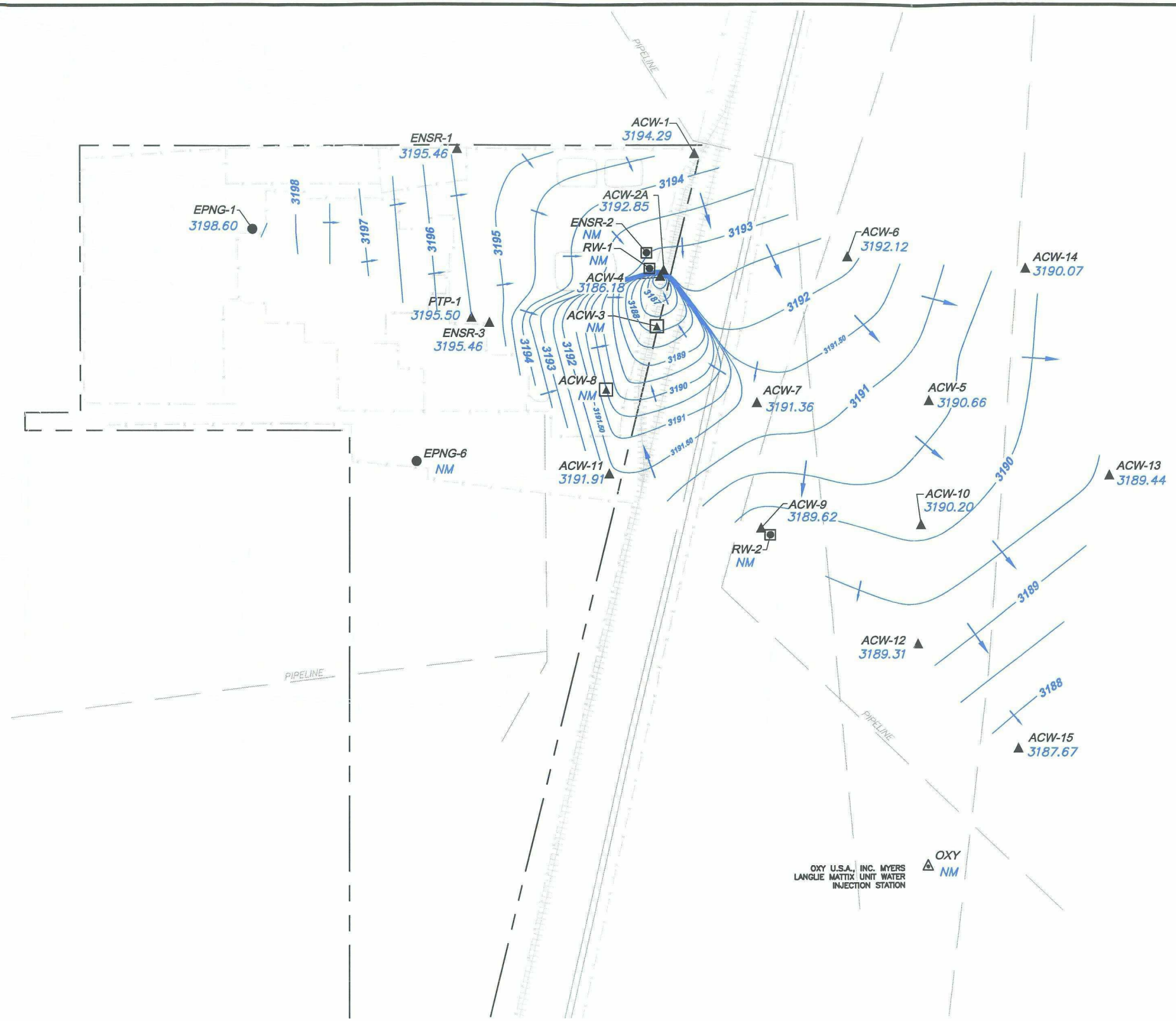
FIGURE TITLE	GROUNDWATER POTENTIOMETRIC SURFACE OF UPPERMOST GROUNDWATER SYSTEM - MARCH 5-9, 2007
DOCUMENT TITLE	2007 ANNUAL GROUNDWATER REMEDIATION REPORT
CLIENT	EL PASO NATURAL GAS COMPANY
LOCATION	JAL #4 GAS PLANT LEA COUNTY, NEW MEXICO

DATE	3/11/08
SCALE	1"=600'
DESIGNED BY	BEM\CNA
APPROVED BY	BEM
DRAWN BY	SKG

PROJECT NUMBER
4100417109
FIGURE NUMBER
2



LEGEND

ACW-5 3190.66	GROUNDWATER MONITOR WELL AND GROUNDWATER ELEVATION WITHIN UPPERMOST GROUNDWATER SYSTEM, ON MAY 15–16, 2007, FEET AMSL
EPNG-1	WATER SUPPLY WELL
RW-2	GROUNDWATER RECOVERY WELL
OXY	WATER SUPPLY WELL
ACW-8 NM	GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL
NM	NOT MEASURED FOR GROUNDWATER ELEVATION
	DIRECTION OF GROUNDWATER FLOW
3192	CONTOUR OF GROUNDWATER ELEVATION WITHIN UPPERMOST GROUNDWATER SYSTEM ON MAY 15–16, 2007, FEET AMSL
	PLANT PROPERTY BOUNDARY
	FENCE
	SECONDARY ROAD
	RAILROAD TRACK
	PIPELINE
	IMPOUNDMENT

NOTES: 1) JAL #4 PLANT PROPERTY IS LOCATED WITHIN SECTIONS 31 AND 32 OF TOWNSHIP 23 SOUTH, RANGE 37 EAST, AND SECTIONS 5 AND 6 OF TOWNSHIP 24 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO.

2) SITE BASE AREA DIGITIZED FROM 11/04/76 AERIAL PHOTOGRAPH WITH PLANT PROPERTY BOUNDARY AND WELLS INSERTED FROM VARIOUS OTHER SOURCES.

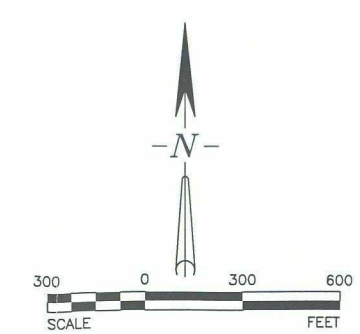


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FIGURE TITLE	GROUNDWATER POTENTIOMETRIC SURFACE OF UPPERMOST GROUNDWATER SYSTEM - MAY 15-16, 2007
DOCUMENT TITLE	2007 ANNUAL GROUNDWATER REMEDIATION REPORT
CLIENT	EL PASO NATURAL GAS COMPANY
LOCATION	JAL #4 GAS PLANT LEA COUNTY, NEW MEXICO

DATE	3/11/08
SCALE	1"=600'
DESIGNED BY	BEM\CNA
APPROVED BY	BEM
DRAWN BY	SKG

PROJECT NUMBER
4100417109
FIGURE NUMBER
3

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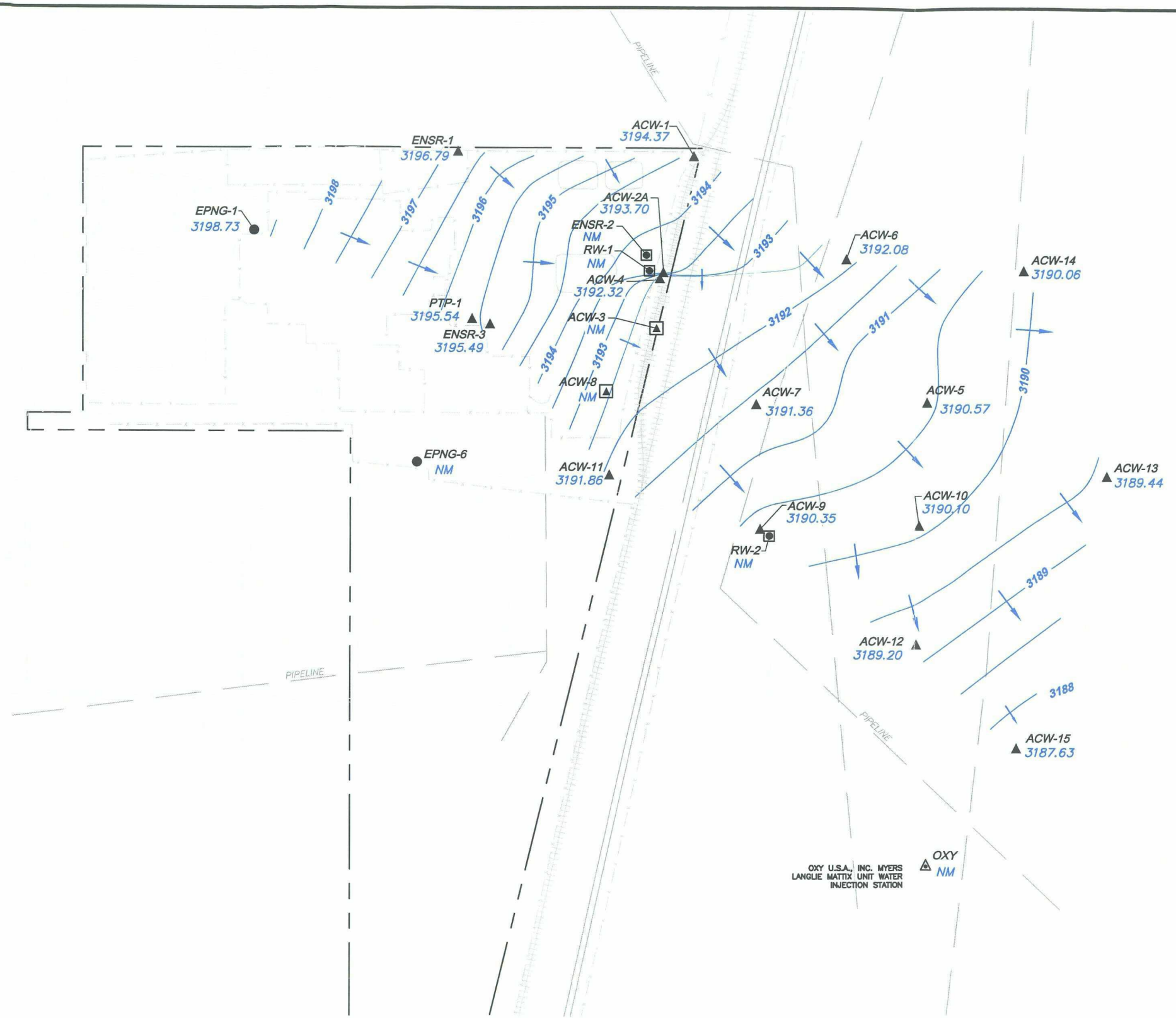

LEGEND

ACW-5 3190.57	GROUNDWATER MONITOR WELL AND GROUNDWATER ELEVATION WITHIN UPPERMOST GROUNDWATER SYSTEM, ON AUGUST 22–24, 2007, FEET AMSL
EPNG-1	WATER SUPPLY WELL
RW-2	GROUNDWATER RECOVERY WELL
OXY	WATER SUPPLY WELL
ACW-8 NM	GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL
NM	NOT MEASURED FOR GROUNDWATER ELEVATION
	DIRECTION OF GROUNDWATER FLOW
3192	CONTOUR OF GROUNDWATER ELEVATION WITHIN UPPERMOST GROUNDWATER SYSTEM ON AUGUST 22–24, 2007, FEET AMSL
	PLANT PROPERTY BOUNDARY
	FENCE
	SECONDARY ROAD
	RAILROAD TRACK
	PIPELINE
	IMPOUNDMENT

NOTES: 1) JAL #4 PLANT PROPERTY IS LOCATED WITHIN SECTIONS 31 AND 32 OF TOWNSHIP 23 SOUTH, RANGE 37 EAST, AND SECTIONS 5 AND 6 OF TOWNSHIP 24 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO.

2) SITE BASE AREA DIGITIZED FROM 11/04/76 AERIAL PHOTOGRAPH WITH PLANT PROPERTY BOUNDARY AND WELLS INSERTED FROM VARIOUS OTHER SOURCES.

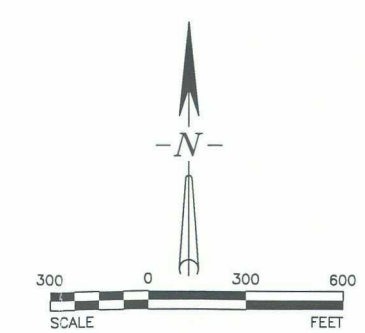

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FIGURE TITLE	GROUNDWATER POTENTIOMETRIC SURFACE OF UPPERMOST GROUNDWATER SYSTEM - AUGUST 22-24, 2007
DOCUMENT TITLE	2007 ANNUAL GROUNDWATER REMEDIATION REPORT
CLIENT	EL PASO NATURAL GAS COMPANY
LOCATION	JAL #4 GAS PLANT LEA COUNTY, NEW MEXICO

DATE	3/11/08
SCALE	1"=600'
DESIGNED BY	BEM\CNA
APPROVED BY	BEM
DRAWN BY	SKG

PROJECT NUMBER
4100417109
FIGURE NUMBER
4

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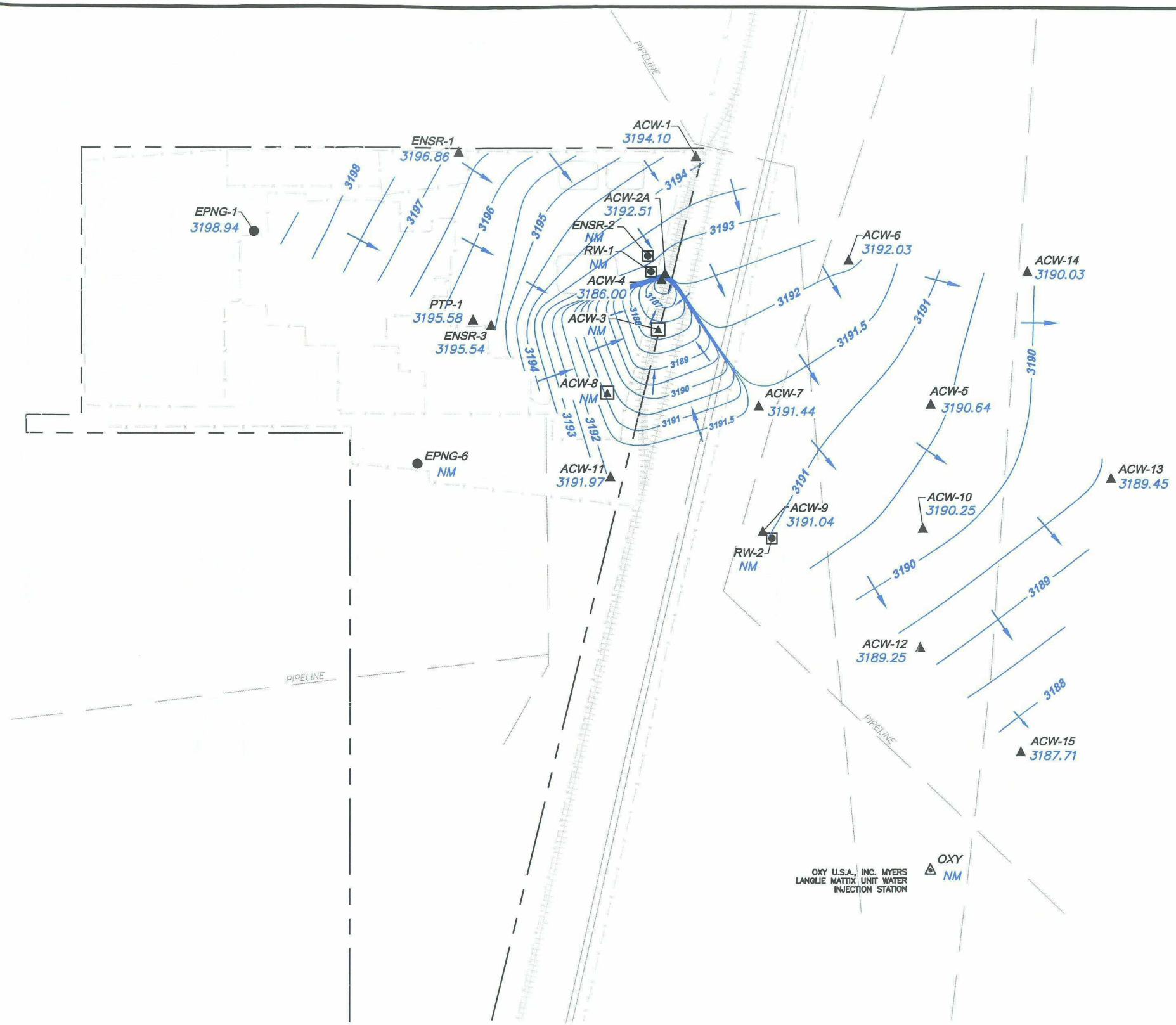

LEGEND

ACW-5 3190.64	GROUNDWATER MONITOR WELL AND GROUNDWATER ELEVATION WITHIN UPPERMOST GROUNDWATER SYSTEM, ON NOVEMBER 12–16, 2007, FEET AMSL
EPNG-1	WATER SUPPLY WELL
RW-2	GROUNDWATER RECOVERY WELL
OXY	WATER SUPPLY WELL
ACW-8 NM	GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL
NM	NOT MEASURED FOR GROUNDWATER ELEVATION
	DIRECTION OF GROUNDWATER FLOW
3192	CONTOUR OF GROUNDWATER ELEVATION WITHIN UPPERMOST GROUNDWATER SYSTEM ON NOVEMBER 12–16, 2007, FEET AMSL
	PLANT PROPERTY BOUNDARY
	FENCE
	SECONDARY ROAD
	RAILROAD TRACK
	PIPELINE
	IMPOUNDMENT

NOTES: 1) JAL #4 PLANT PROPERTY IS LOCATED WITHIN SECTIONS 31 AND 32 OF TOWNSHIP 23 SOUTH, RANGE 37 EAST, AND SECTIONS 5 AND 6 OF TOWNSHIP 24 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO.

2) SITE BASE AREA DIGITIZED FROM 11/04/76 AERIAL PHOTOGRAPH WITH PLANT PROPERTY BOUNDARY AND WELLS INSERTED FROM VARIOUS OTHER SOURCES.

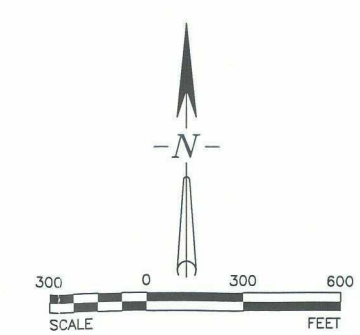

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FIGURE TITLE	GROUNDWATER POTENTIOMETRIC SURFACE OF UPPERMOST GROUNDWATER SYSTEM - NOVEMBER 12-16, 2007
DOCUMENT TITLE	2007 ANNUAL GROUNDWATER REMEDIATION REPORT
CLIENT	EL PASO NATURAL GAS COMPANY
LOCATION	JAL #4 GAS PLANT LEA COUNTY, NEW MEXICO

DATE	3/11/08
SCALE	1"=600'
DESIGNED BY	BEM\CNA
APPROVED BY	BEM
DRAWN BY	SKG

PROJECT NUMBER
4100417109
FIGURE NUMBER
5

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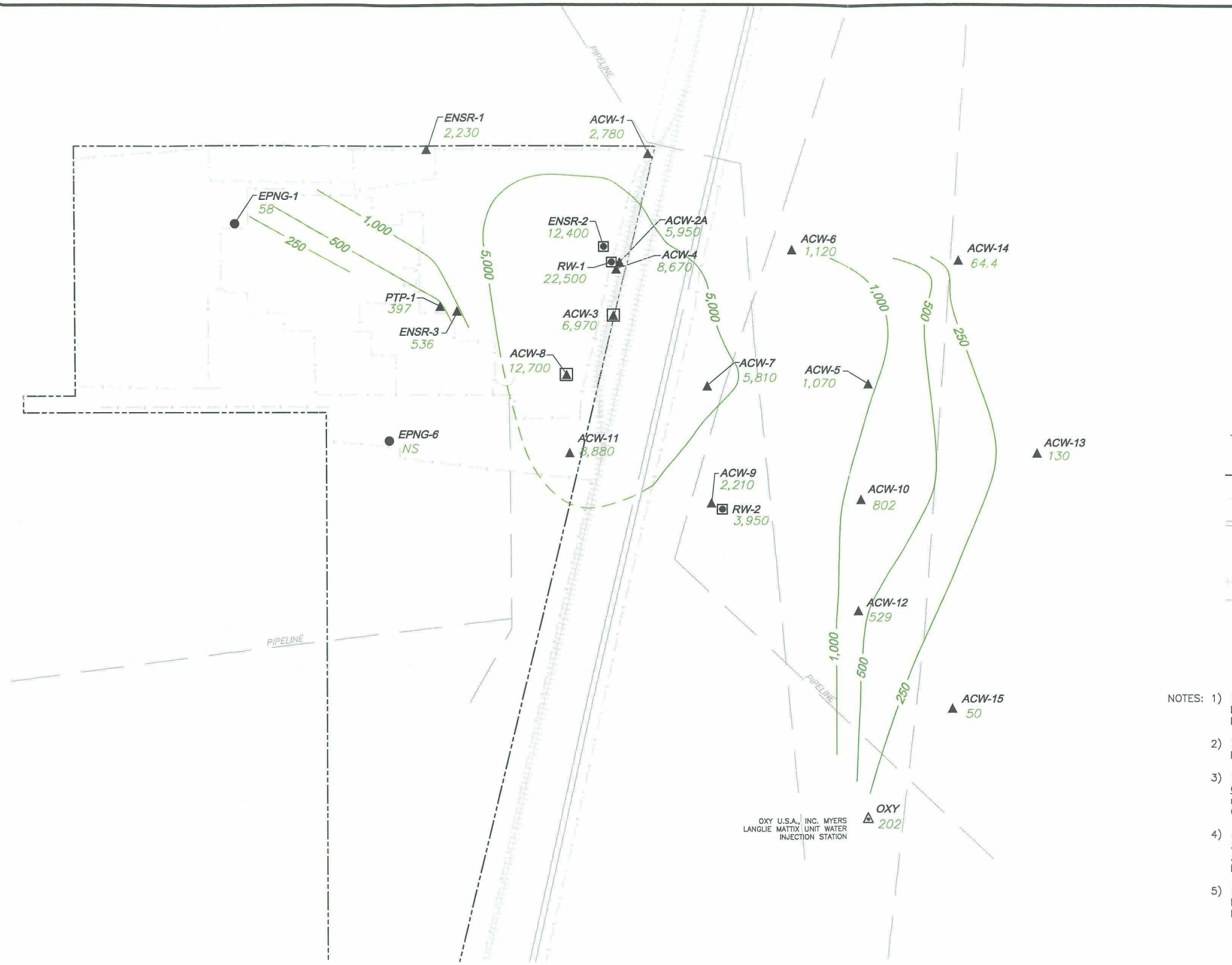

LEGEND

ACW-5 1,070	GROUNDWATER MONITOR WELL AND CONCENTRATION OF CHLORIDE IN GROUNDWATER, mg/L
EPNG-1 58	WATER SUPPLY WELL AND CONCENTRATION OF CHLORIDE IN GROUNDWATER, mg/L
RW-2 3,950	GROUNDWATER RECOVERY WELL AND CONCENTRATION OF CHLORIDE IN GROUNDWATER, mg/L
OXY 202	WATER SUPPLY WELL AND CONCENTRATION OF CHLORIDE IN GROUNDWATER, mg/L
ACW-8 12,700	GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL AND CONCENTRATION OF CHLORIDE IN GROUNDWATER, mg/L
NS	NOT SAMPLED
250	CONTOUR LINE SHOWING EQUAL CONCENTRATIONS OF CHLORIDE IN GROUNDWATER, mg/L (DASHED WHERE INFERRED)
	PLANT PROPERTY BOUNDARY
	FENCE
	PRIMARY ROAD OR HIGHWAY
	SECONDARY ROAD
	RAILROAD TRACK
	PIPELINE
	IMPOUNDMENT

NOTES:
1) CHLORIDE CONCENTRATIONS SHOWN ARE THE HIGHEST LEVELS DETECTED IN GROUNDWATER IN EACH WELL DURING THE 2007 MONITORING PROGRAM.
2) EPA's SECONDARY DRINKING WATER STANDARD (SMCL) FOR PUBLIC WATER SUPPLY SYSTEMS IS 250 mg/L.
3) NEW MEXICO ENVIRONMENTAL DIVISION HAS ESTABLISHED AN OTHER STANDARDS FOR DOMESTIC WATER SUPPLY OF 250 mg/L FOR CHLORIDE IN GROUNDWATER CONTAINING TDS LEVELS OF 10,000 mg/L OR LESS.
4) JAL #4 PLANT PROPERTY IS LOCATED WITHIN SECTIONS 31 AND 32 OF TOWNSHIP 23 SOUTH, RANGE 37 EAST, AND SECTIONS 5 AND 6 OF TOWNSHIP 24 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO.
5) SITE BASE AREA DIGITIZED FROM 11/04/76 AERIAL PHOTOGRAPH WITH PLANT PROPERTY BOUNDARY AND WELLS INSERTED FROM VARIOUS OTHER SOURCES.

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FIGURE TITLE	ISOPLETH OF CHLORIDE CONCENTRATIONS IN GROUNDWATER IN 2007
DOCUMENT TITLE	2007 ANNUAL GROUNDWATER REMEDIATION REPORT
CLIENT	EL PASO NATURAL GAS COMPANY
LOCATION	JAL #4 GAS PLANT LEA COUNTY, NEW MEXICO

DATE	3/11/08
SCALE	1"=600'
DESIGNED BY	BEM\CNA
APPROVED BY	BEM
DRAWN BY	SKG

PROJECT NUMBER
4100417109

FIGURE NUMBER
6

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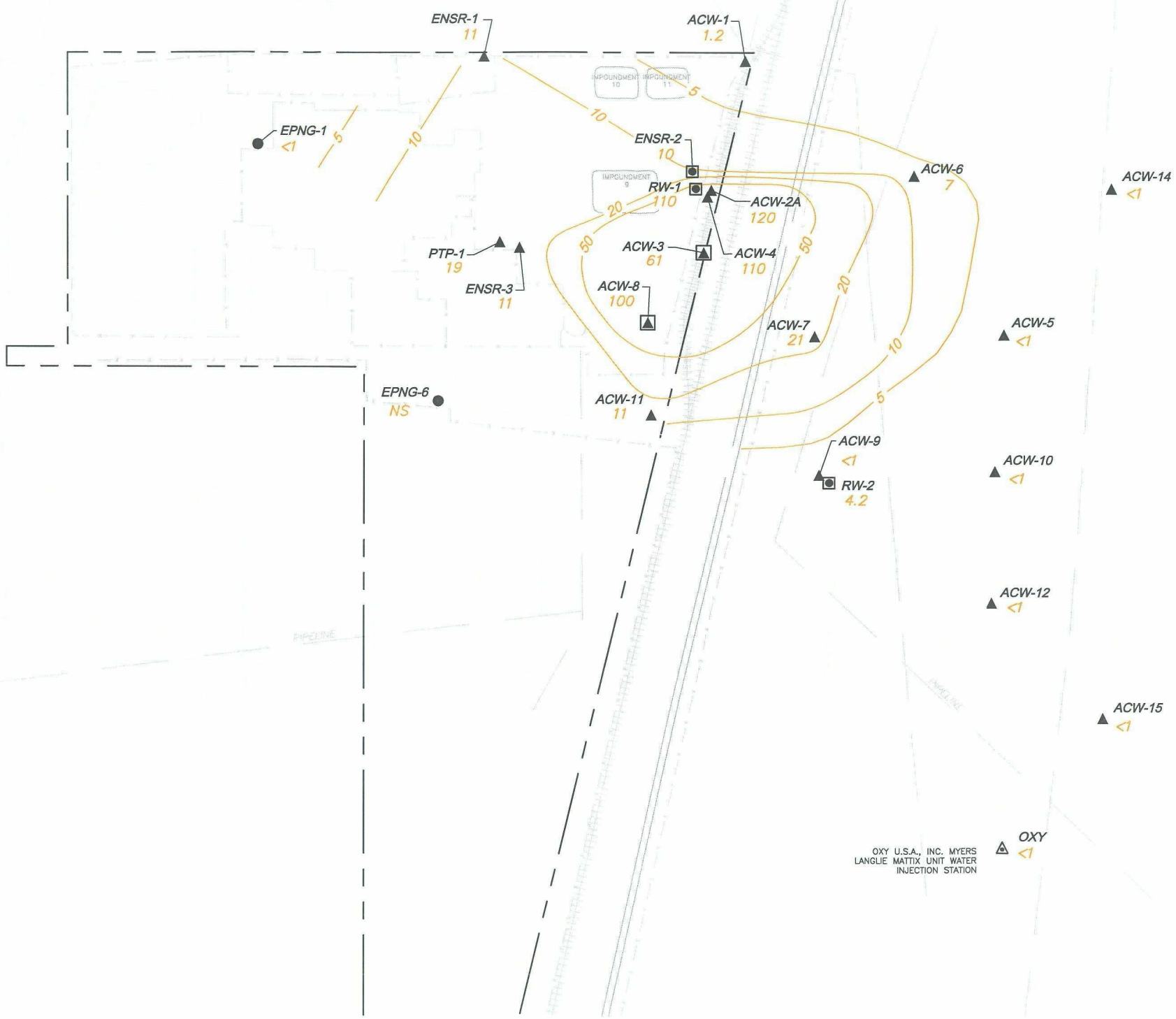

LEGEND

ACW-5 <1	GROUNDWATER MONITOR WELL AND CONCENTRATION OF BENZENE IN GROUNDWATER, μg/L
EPNG-1 <1	WATER SUPPLY WELL AND CONCENTRATION OF BENZENE IN GROUNDWATER, μg/L
RW-2 4.2	GROUNDWATER RECOVERY WELL AND CONCENTRATIONS OF BENZENE IN GROUNDWATER, μg/L
OXY <1	WATER SUPPLY WELL AND CONCENTRATION OF BENZENE IN GROUNDWATER, μg/L
ACW-8 100	GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL AND CONCENTRATION OF BENZENE IN GROUNDWATER, μg/L
NS	NOT SAMPLED
10	CONTOUR LINE SHOWING EQUAL CONCENTRATIONS OF BENZENE IN GROUNDWATER, μg/L. (DASHED WHERE INFERRED)
	PLANT PROPERTY BOUNDARY
	FENCE
	PRIMARY ROAD OR HIGHWAY
	SECONDARY ROAD
	RAILROAD TRACK
	PIPELINE
	IMPOUNDMENT

NOTES:

1) BENZENE CONCENTRATIONS SHOWN ARE THE HIGHEST LEVELS DETECTED IN GROUNDWATER IN EACH WELL DURING THE 2007 MONITORING PROGRAM.

2) NEW MEXICO ENVIRONMENTAL DIVISION HAS ESTABLISHED A HUMAN HEALTH STANDARD OF 0.01 mg/L (10 μg/L) FOR BENZENE IN GROUNDWATER.

3) EPA'S PRIMARY DRINKING WATER STANDARD (MCL) FOR PUBLIC WATER SUPPLY SYSTEMS IS 0.005 mg/L (5.0 μg/L).

4) JAL #4 PLANT PROPERTY IS LOCATED WITHIN SECTIONS 31 AND 32 OF TOWNSHIP 23 SOUTH, RANGE 37 EAST, AND SECTIONS 5 AND 6 OF TOWNSHIP 24 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO.

5) SITE BASE AREA DIGITIZED FROM 11/04/76 AERIAL PHOTOGRAPH WITH PLANT PROPERTY BOUNDARY AND WELLS INSERTED FROM VARIOUS OTHER SOURCES.

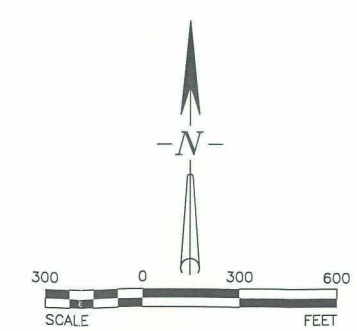

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FIGURE TITLE	ISOPLETH OF BENZENE CONCENTRATIONS IN GROUNDWATER IN 2007
DOCUMENT TITLE	2007 ANNUAL GROUNDWATER REMEDIATION REPORT
CLIENT	EL PASO NATURAL GAS COMPANY
LOCATION	JAL #4 GAS PLANT LEA COUNTY, NEW MEXICO

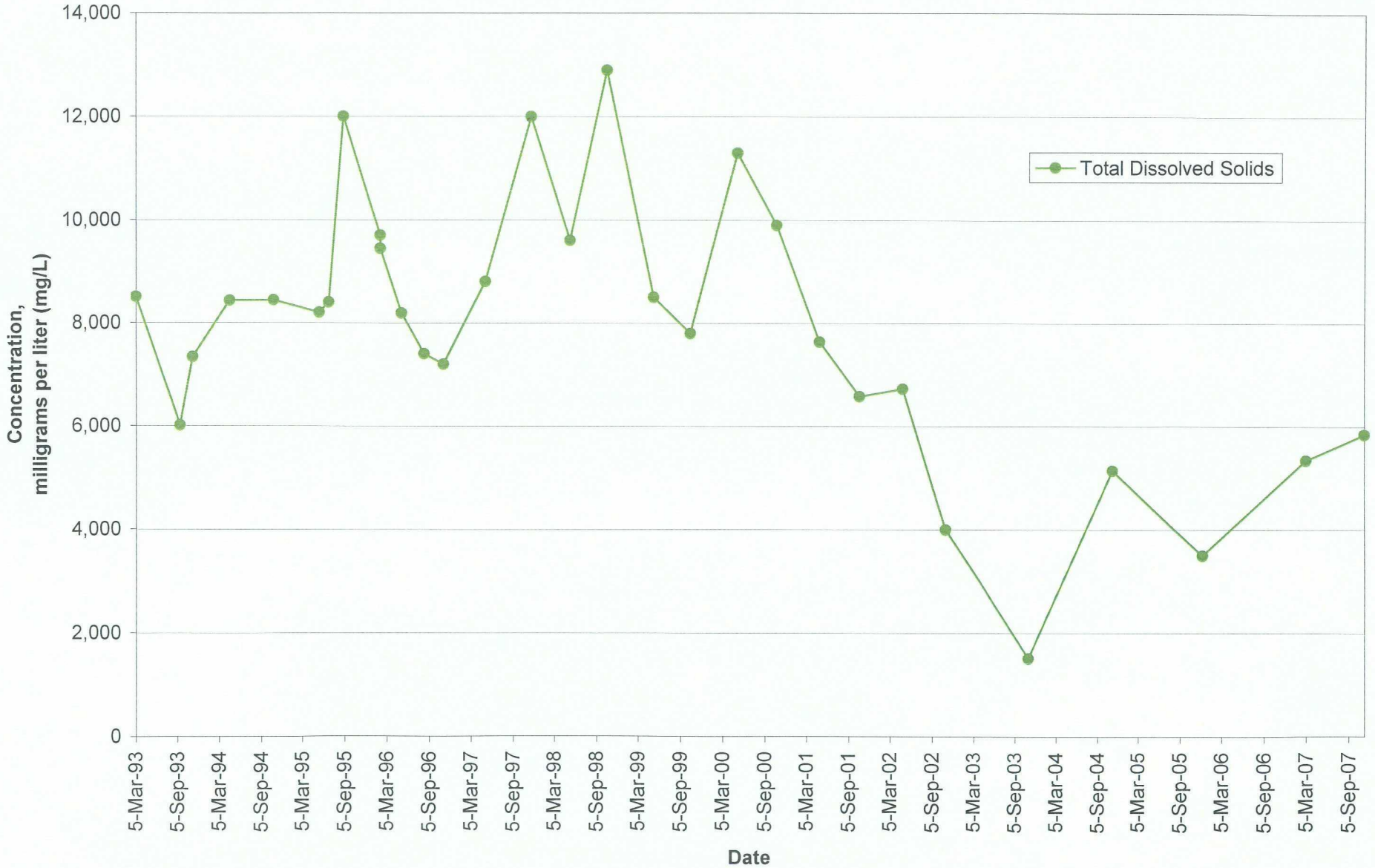
DATE	3/11/08
SCALE	1"=600'
DESIGNED BY	BEM/CNA
APPROVED BY	BEM
DRAWN BY	SKG

PROJECT NUMBER
4100417109
FIGURE NUMBER
7

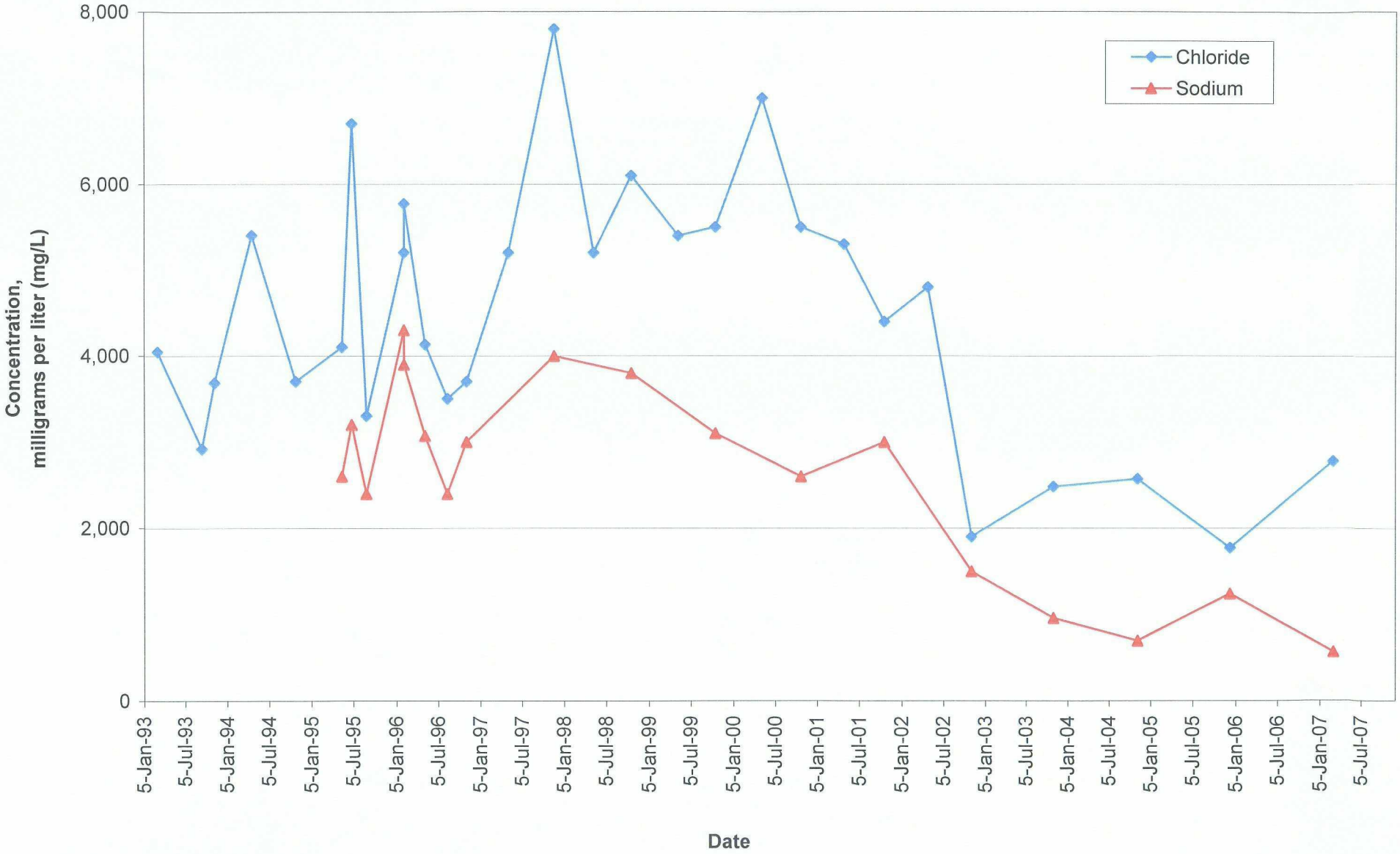
P:\TUL\ENV\2004\4100417109 Jal 2007\20_Cad\2007_FIG07-BENZENE.dwg on Mar 11, 2008-9:39am

GRAPHS

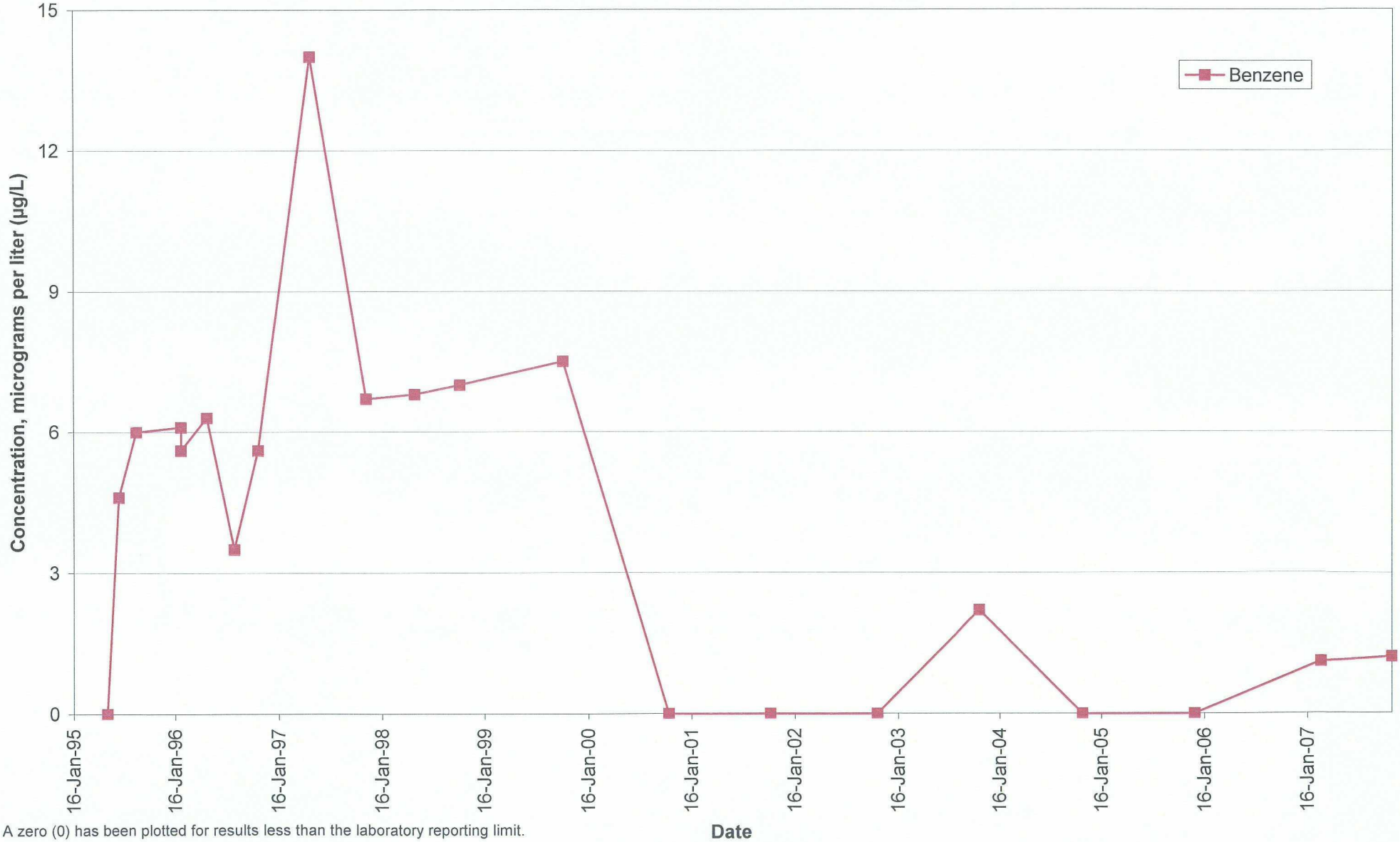
Graph 1 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-01



Graph 2 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-01

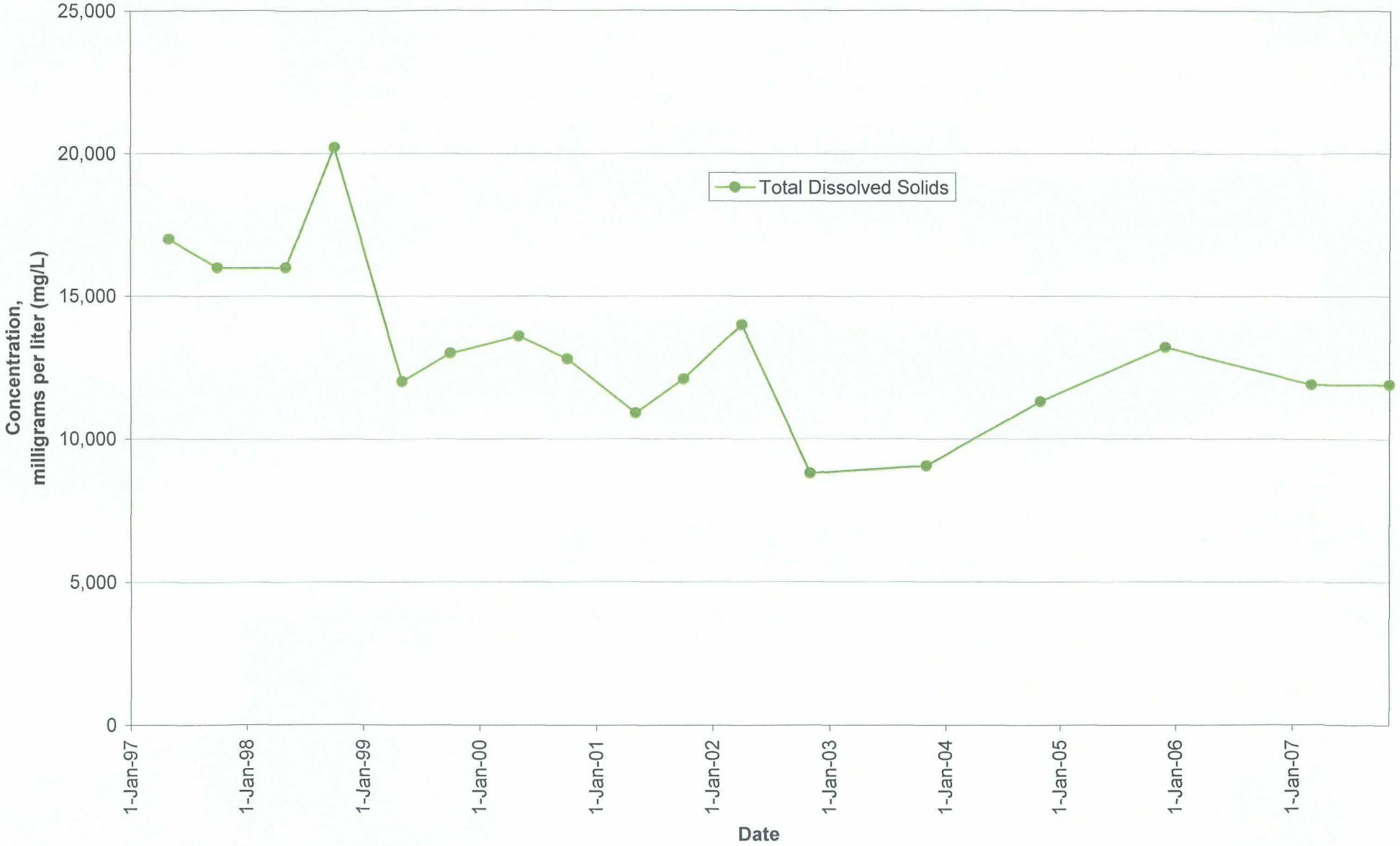


Graph 3 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-01

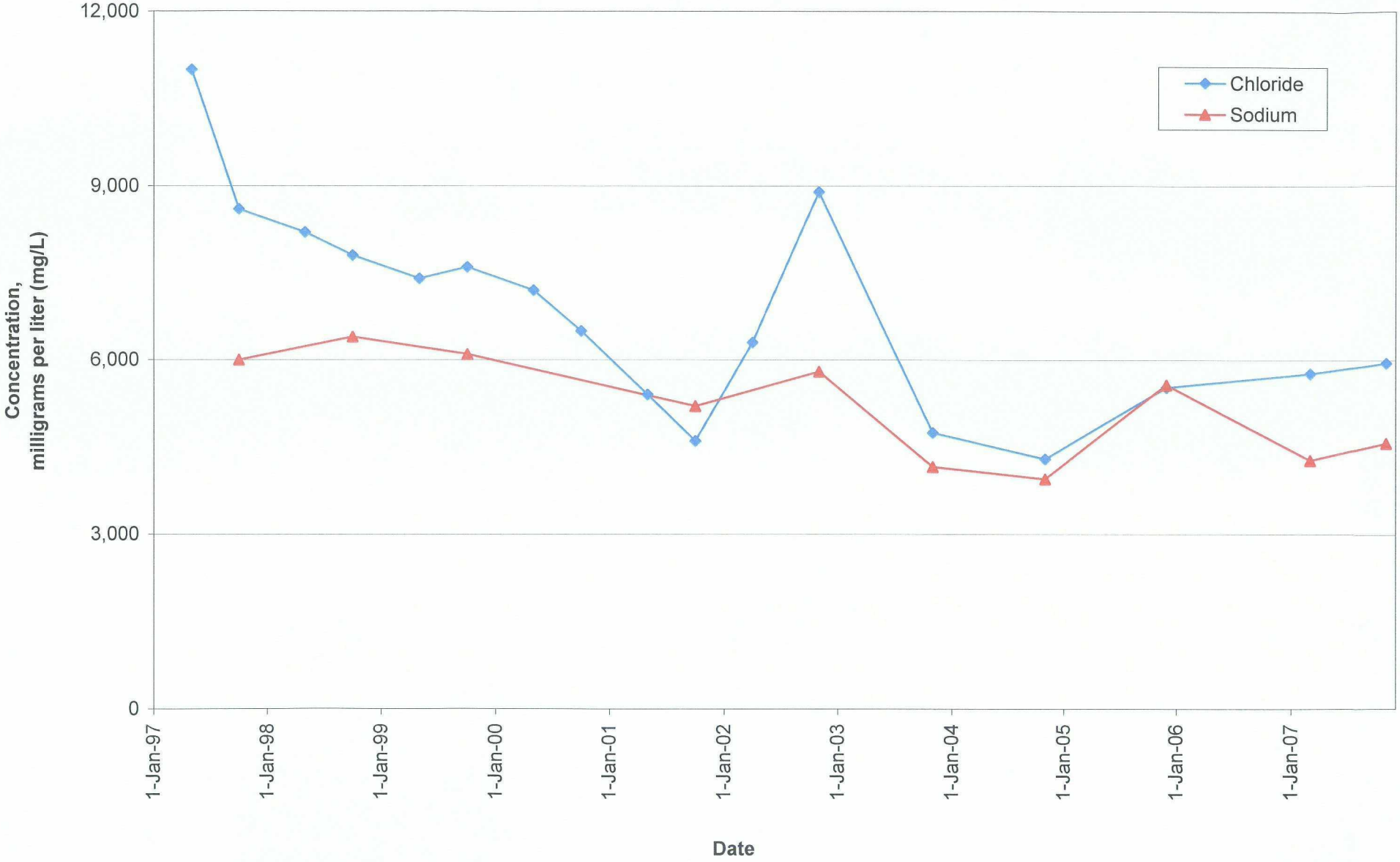


A zero (0) has been plotted for results less than the laboratory reporting limit.

Graph 4 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-02A

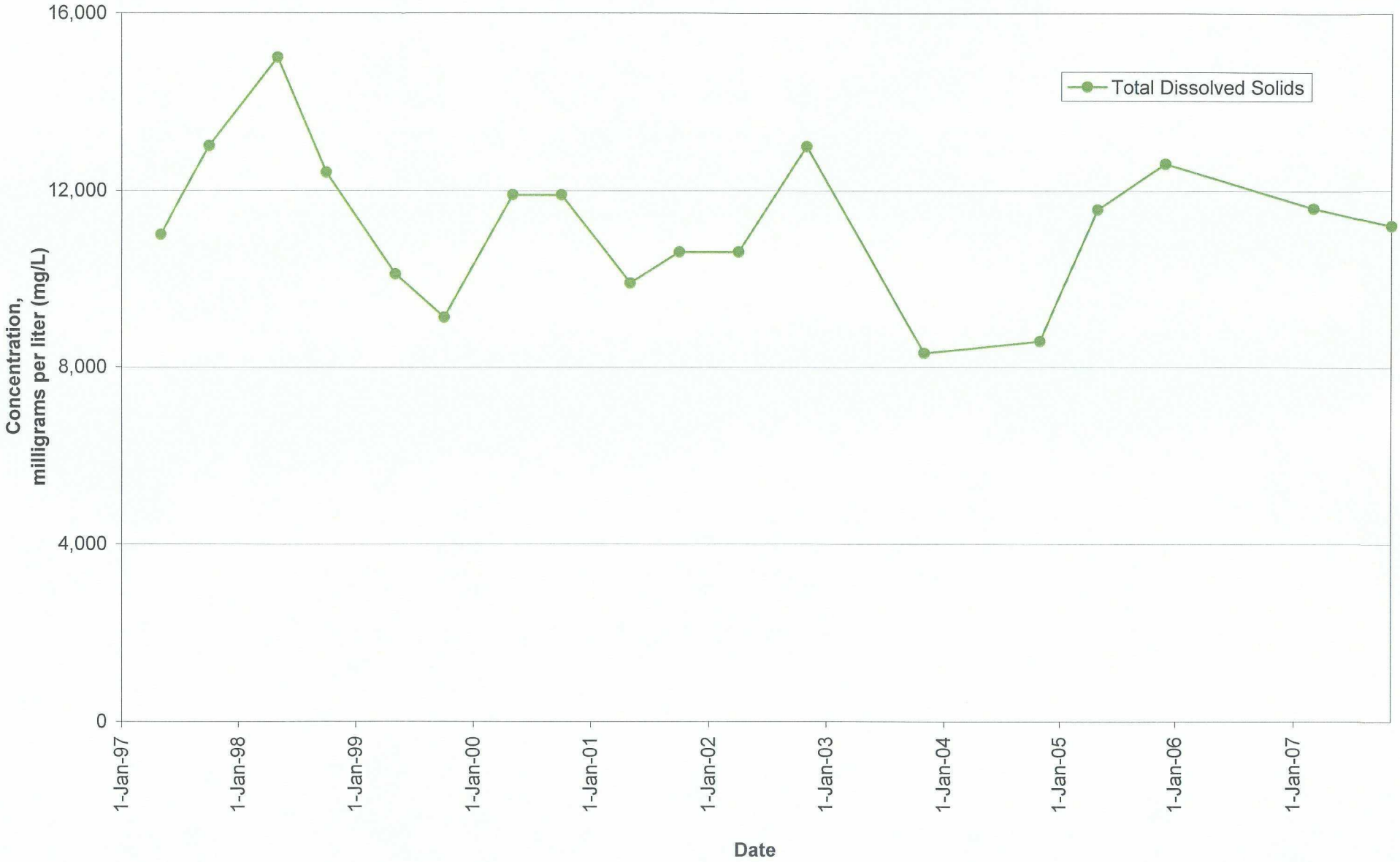


Graph 5 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-02A

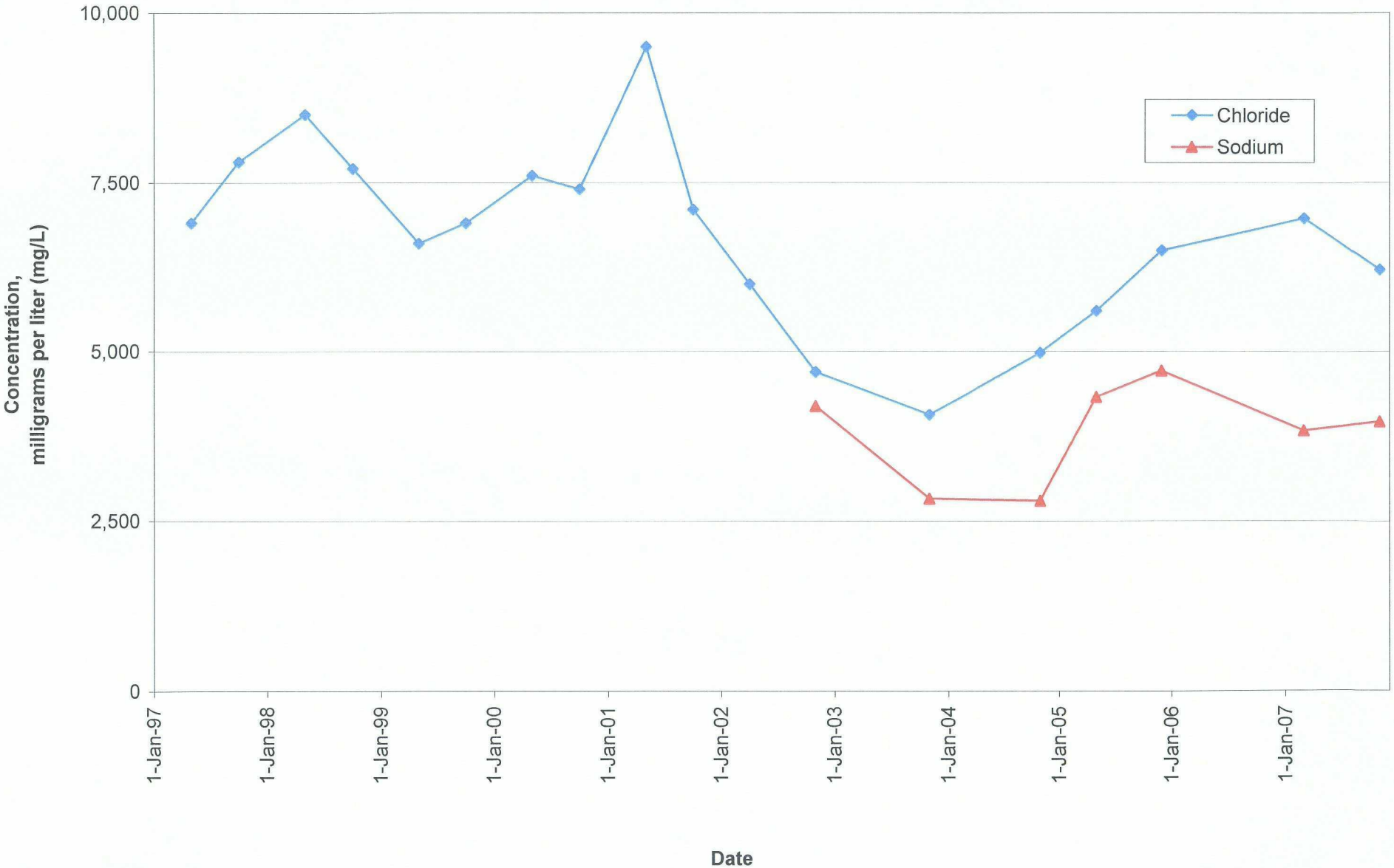



Graph 6 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-02A
Concentration,
micrograms per liter (µg/L)
200
150
100
50
0
Benzene
1-Jan-97
1-Jan-98
1-Jan-99
1-Jan-00
1-Jan-01
1-Jan-02
1-Jan-03
1-Jan-04
1-Jan-05
1-Jan-06
1-Jan-07
Date

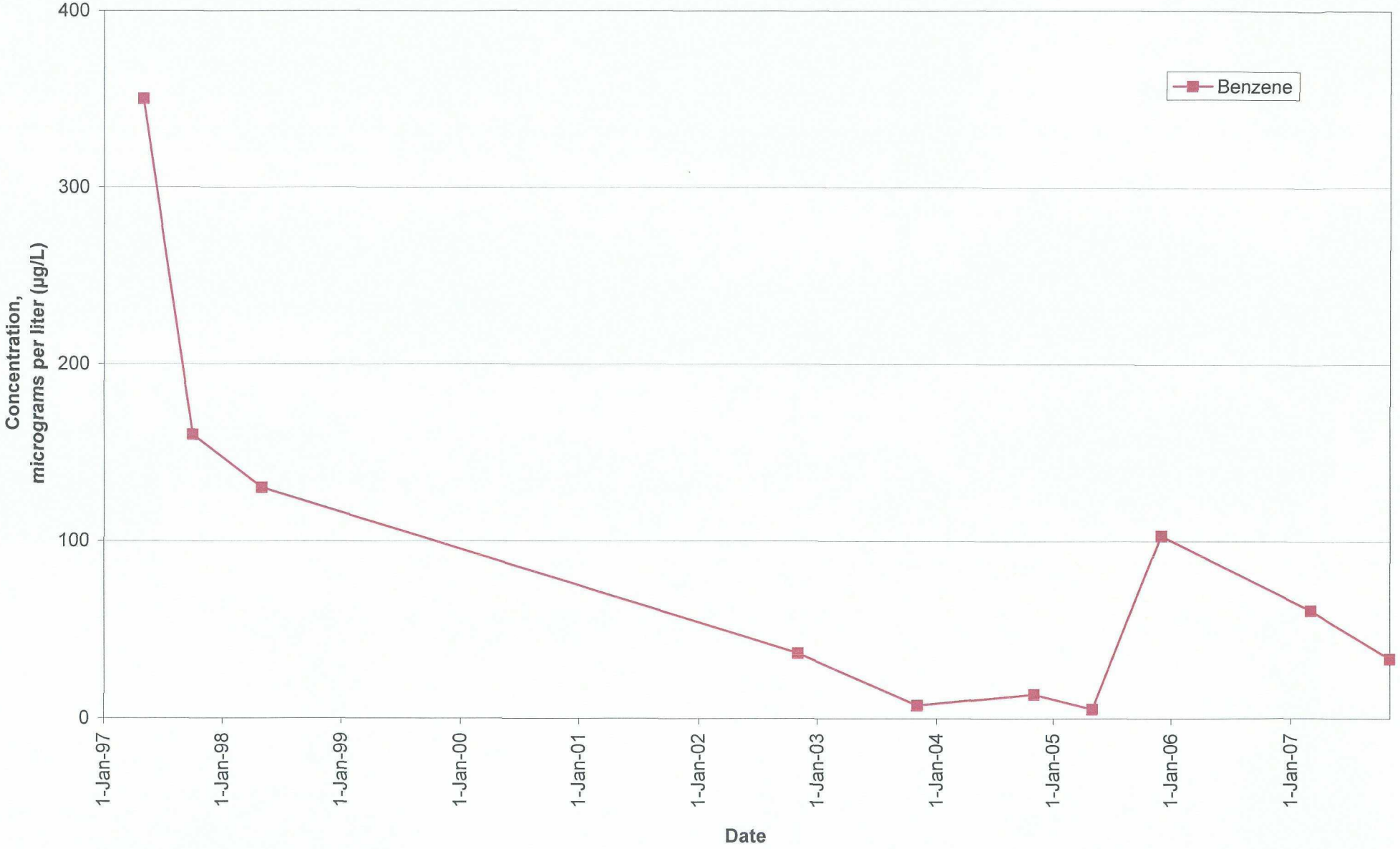
Graph 7 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-03



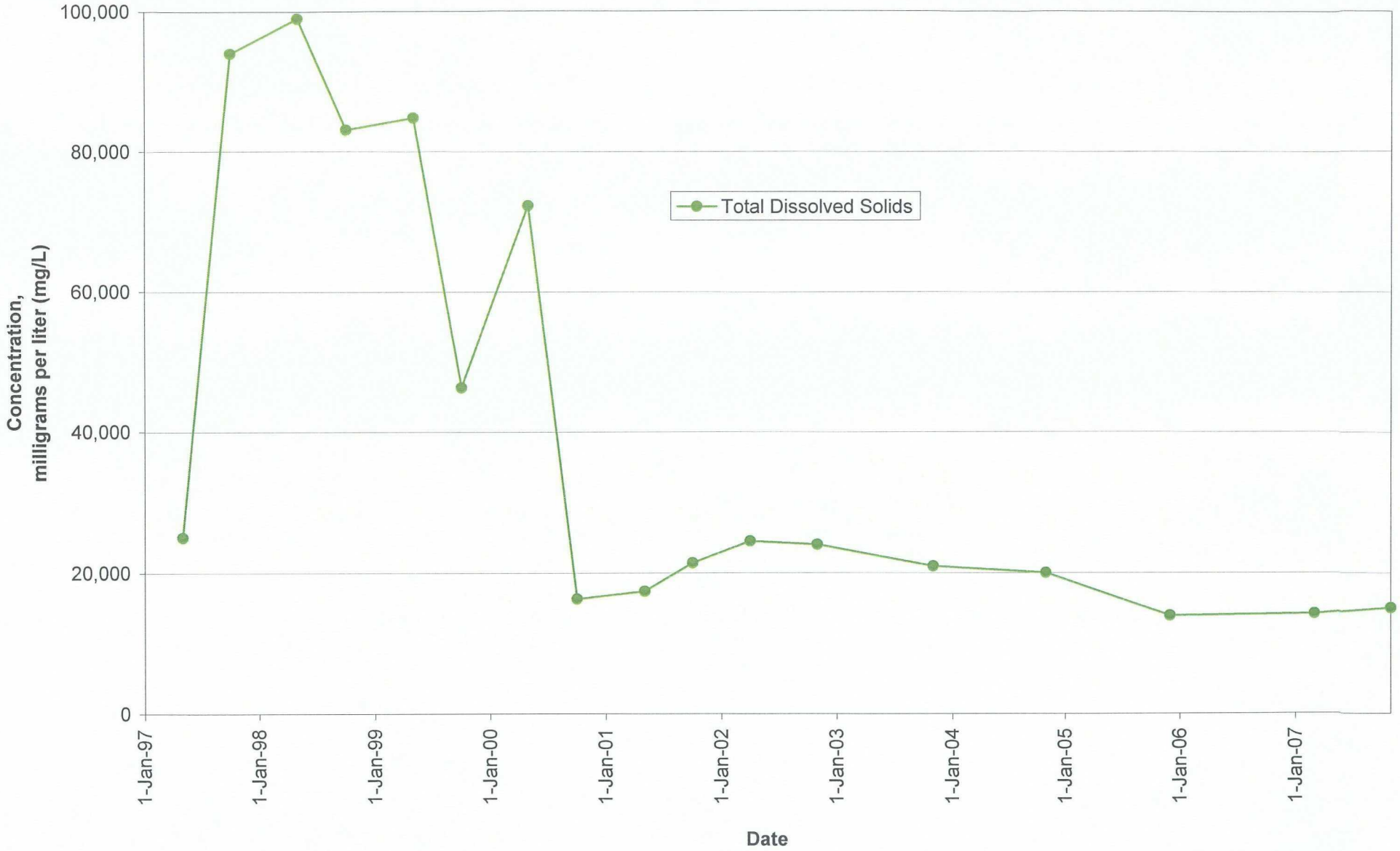
Graph 8 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-03



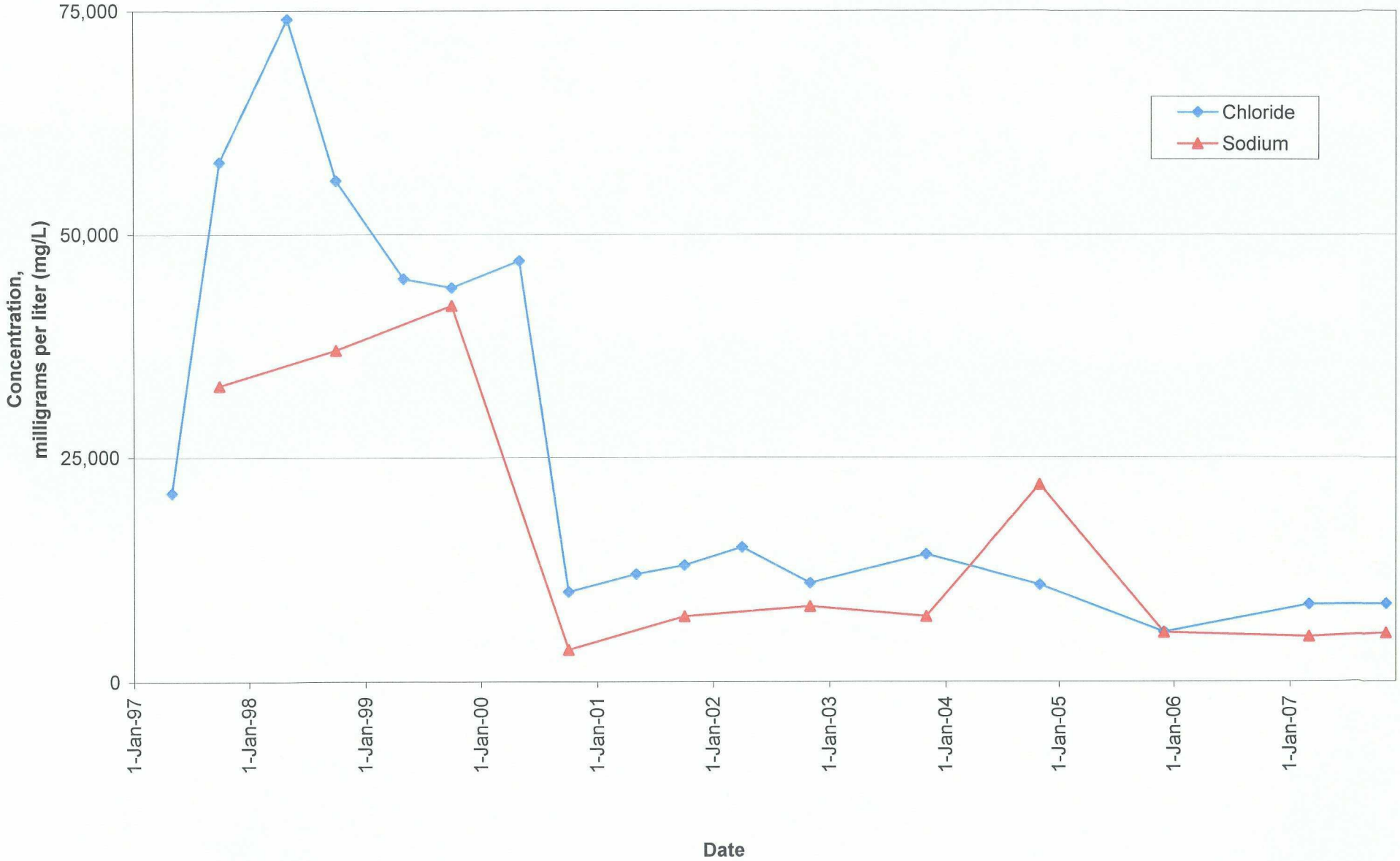
Graph 9 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-03



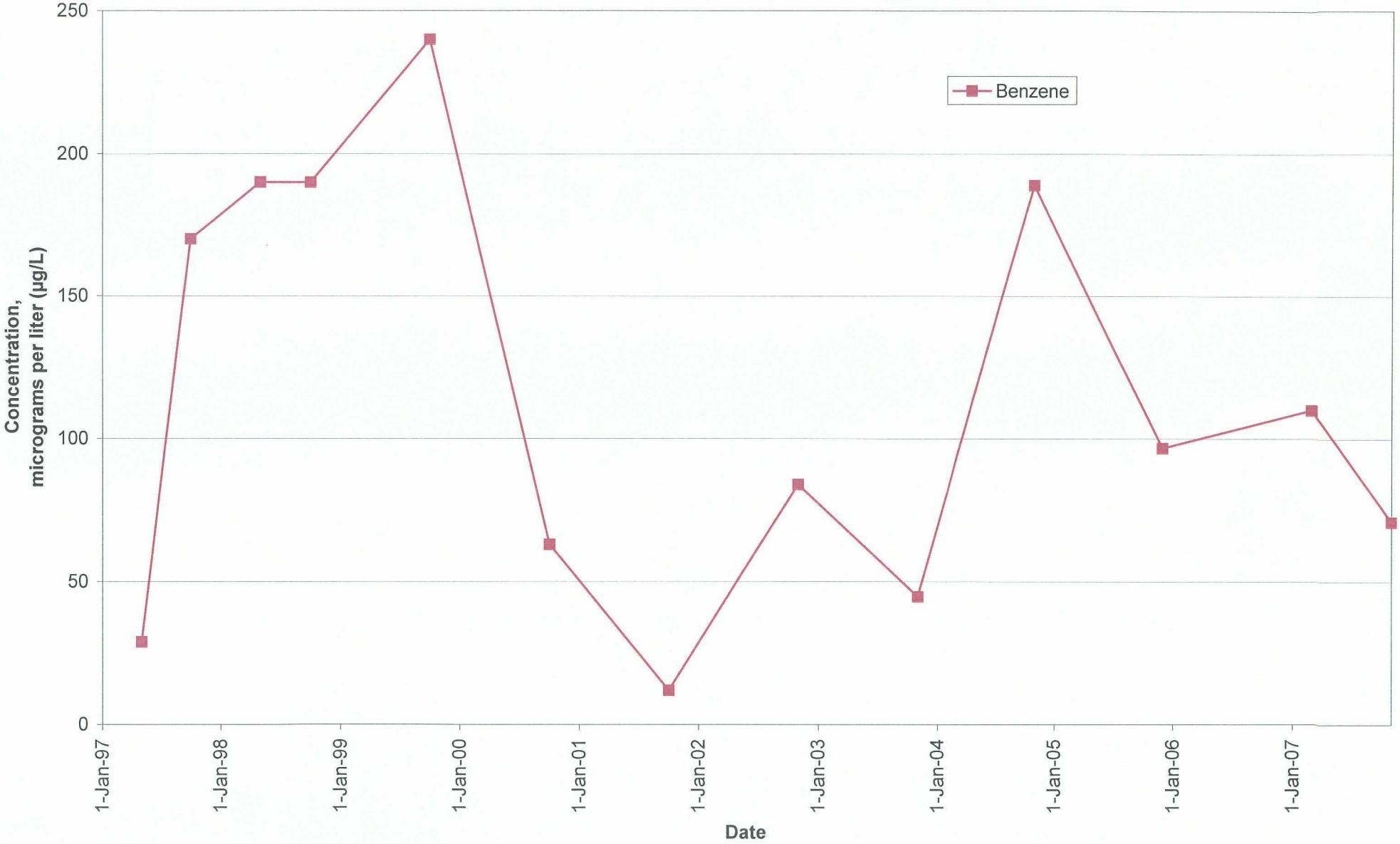
Graph 10 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-04



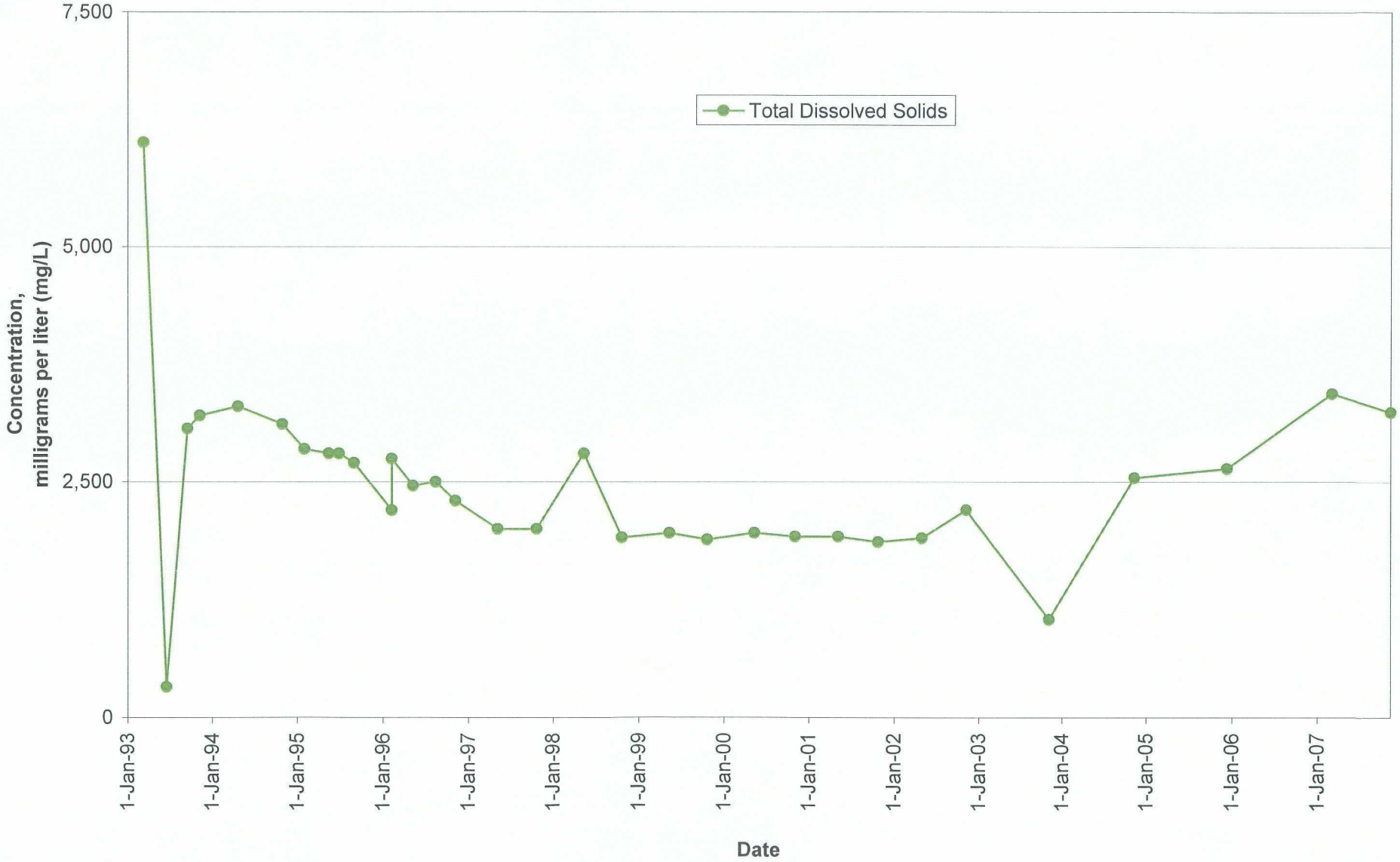
Graph 11 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-04



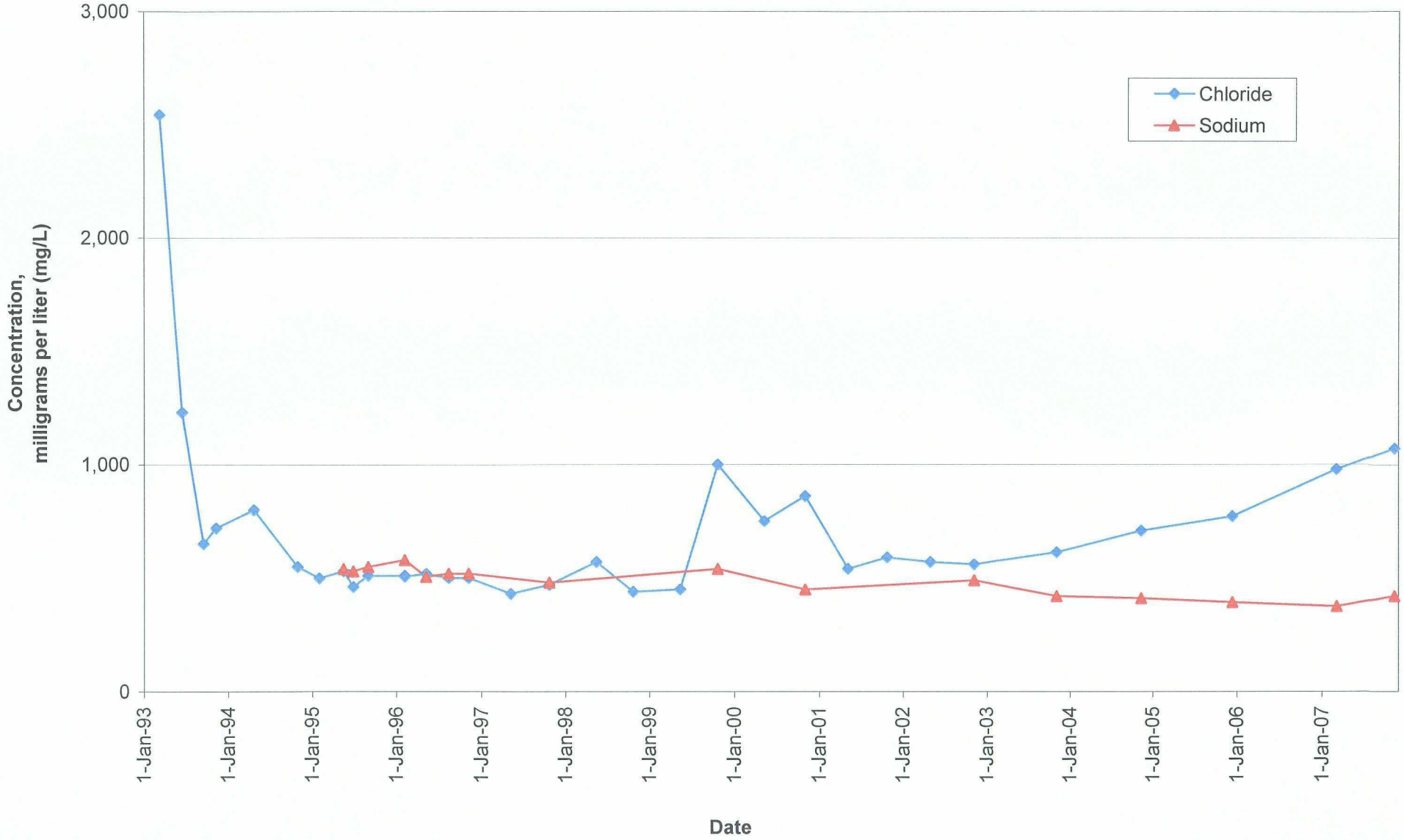
Graph 12 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-04



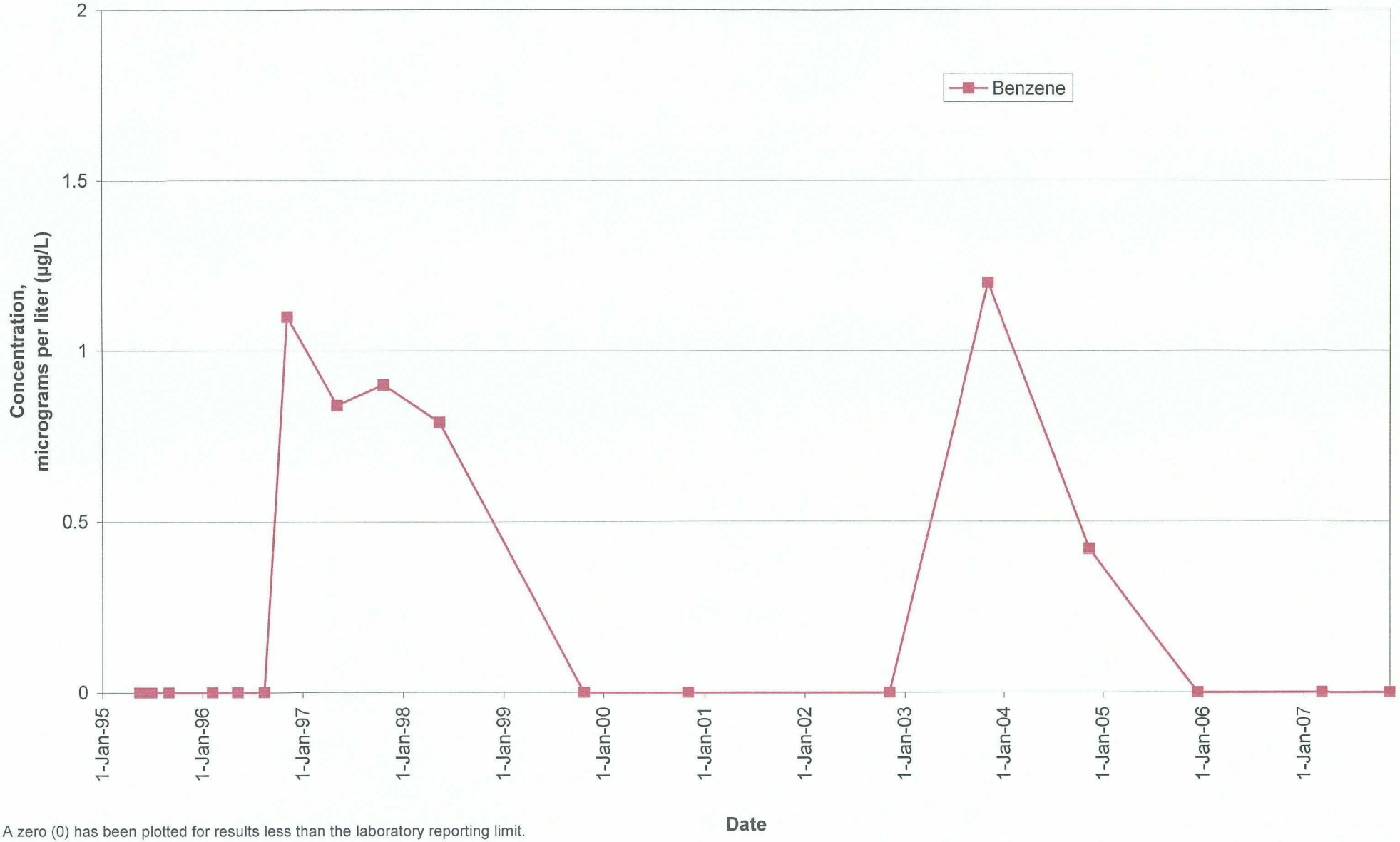
Graph 13 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-05



Graph 14 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-05

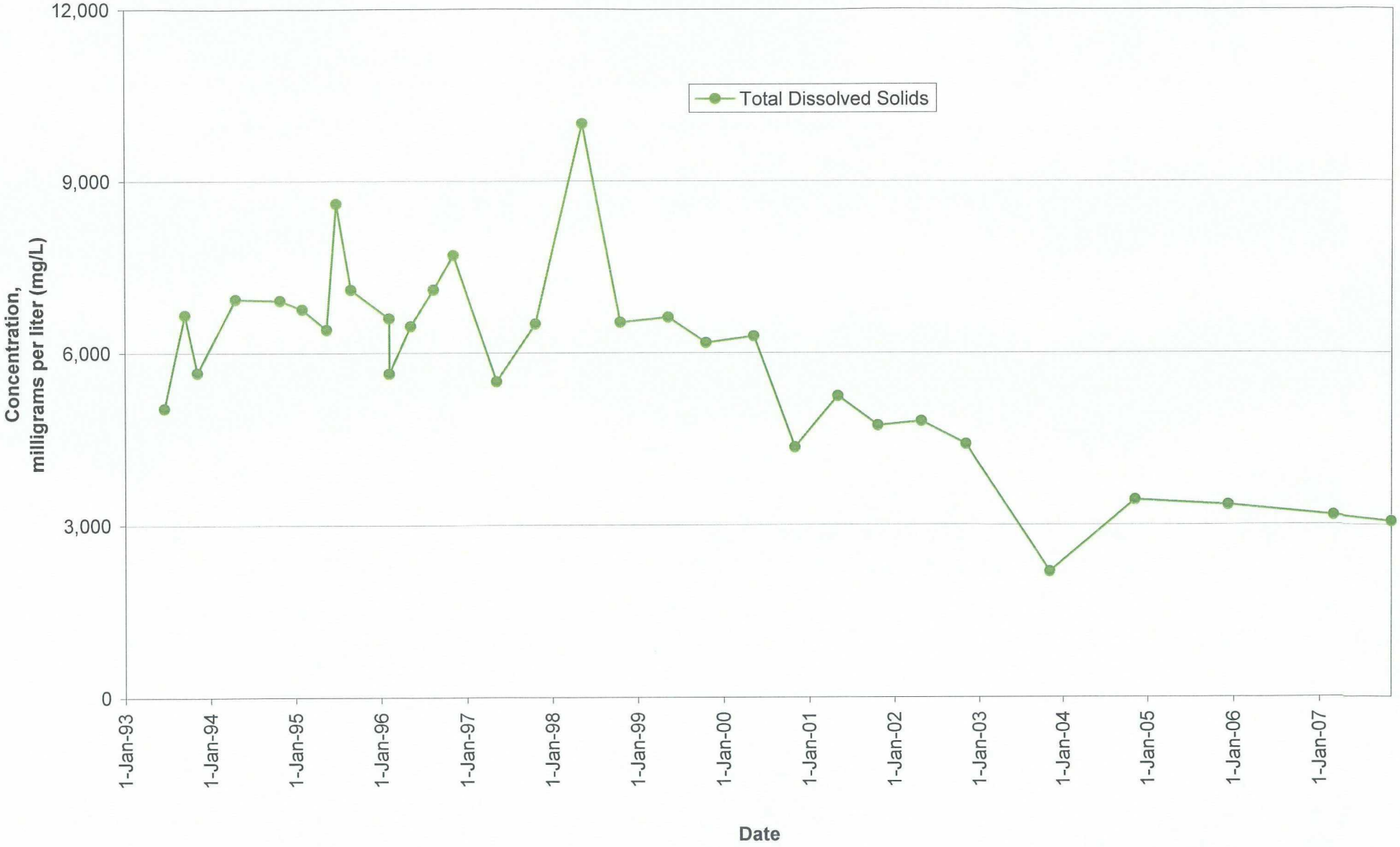


Graph 15 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-05

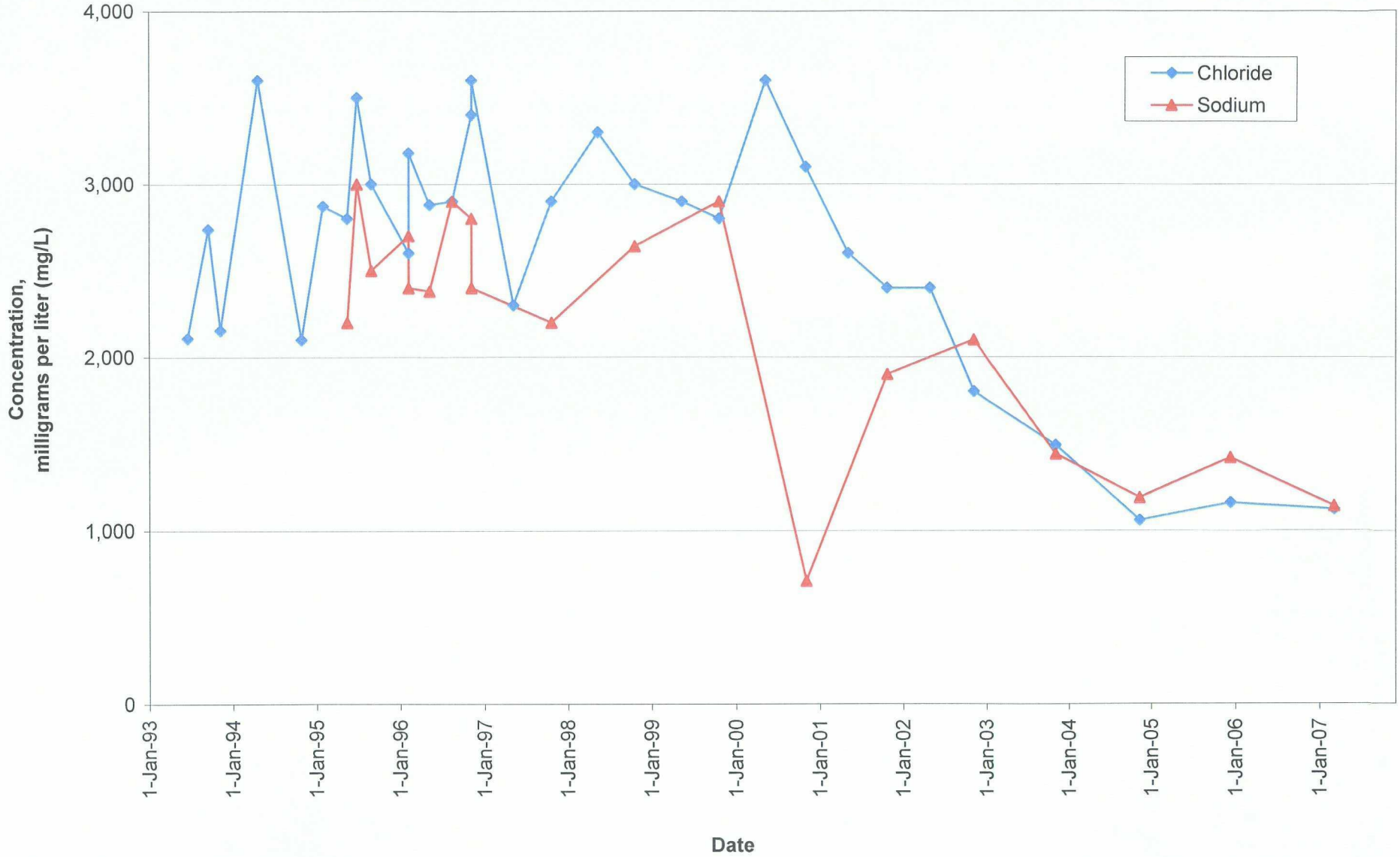


A zero (0) has been plotted for results less than the laboratory reporting limit.

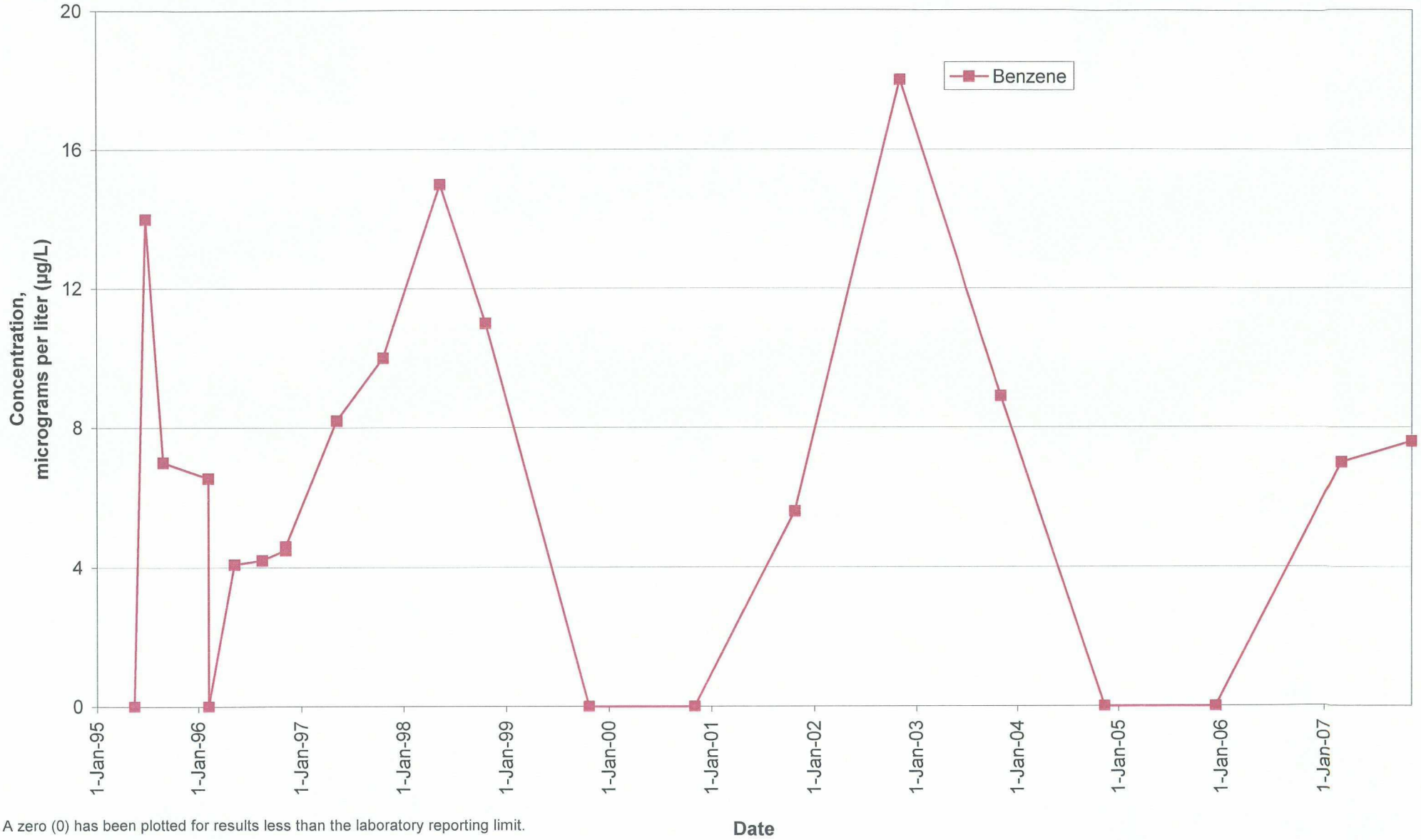
Graph 16 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-06



Graph 17 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-06

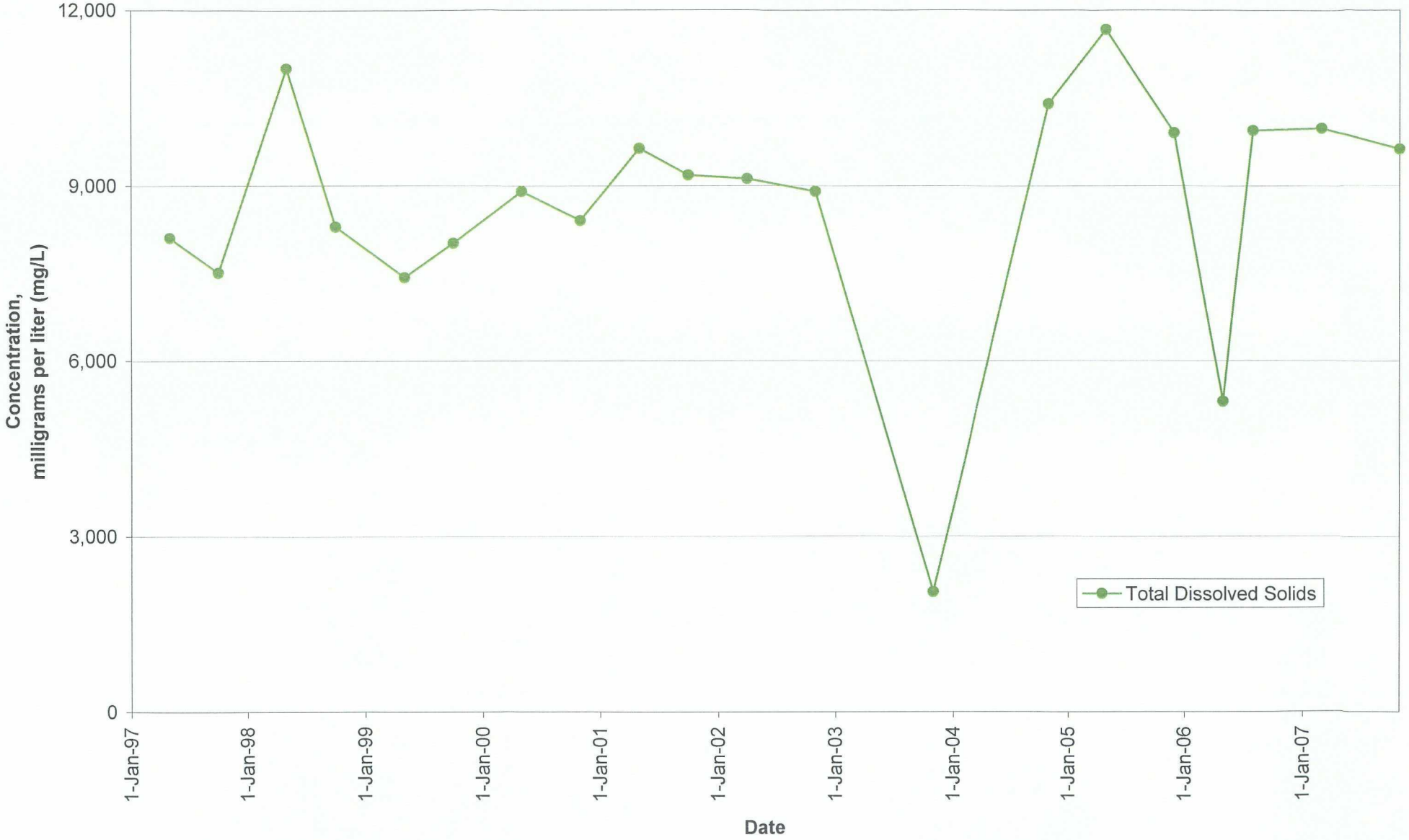


Graph 18 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-06

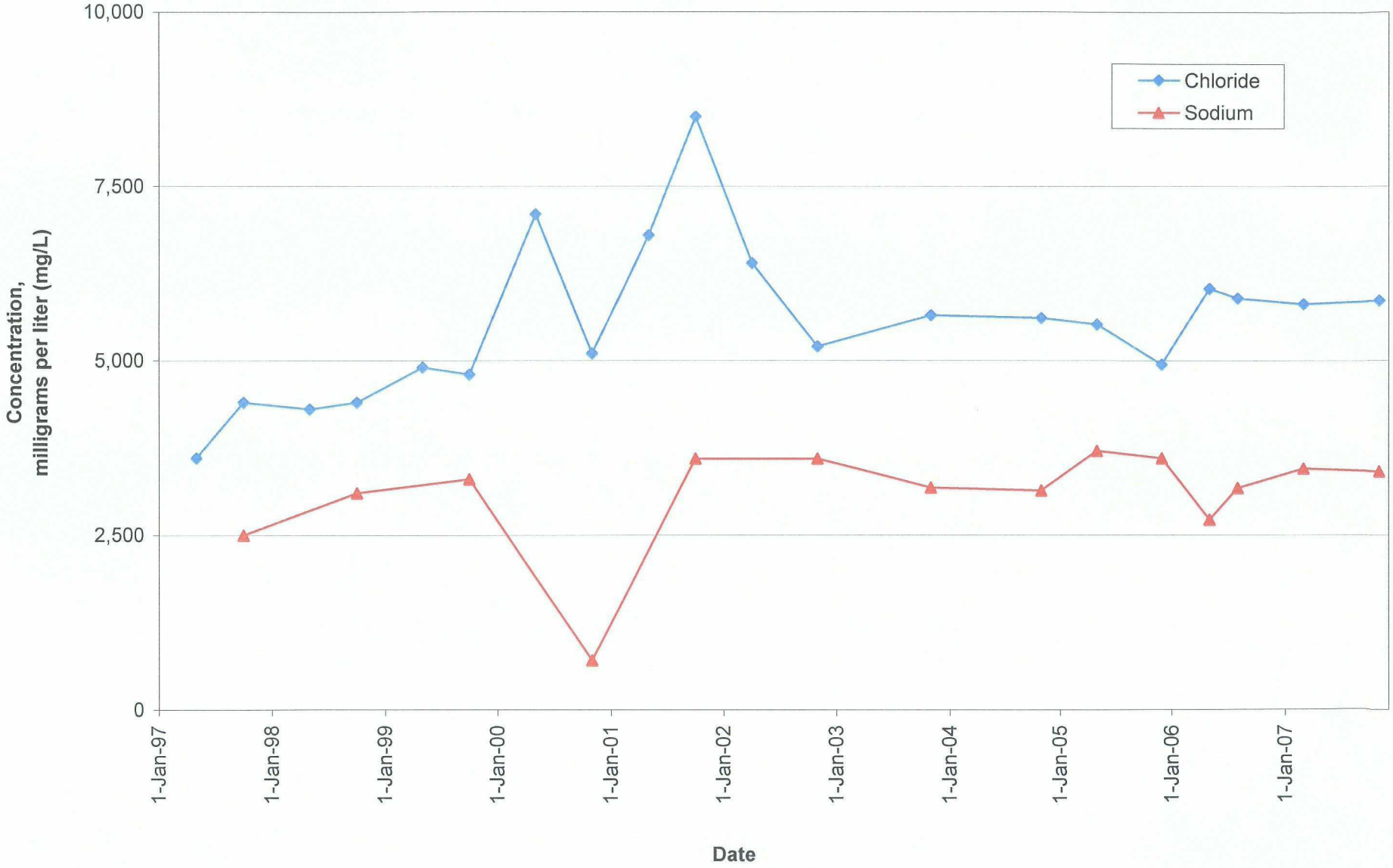


A zero (0) has been plotted for results less than the laboratory reporting limit.

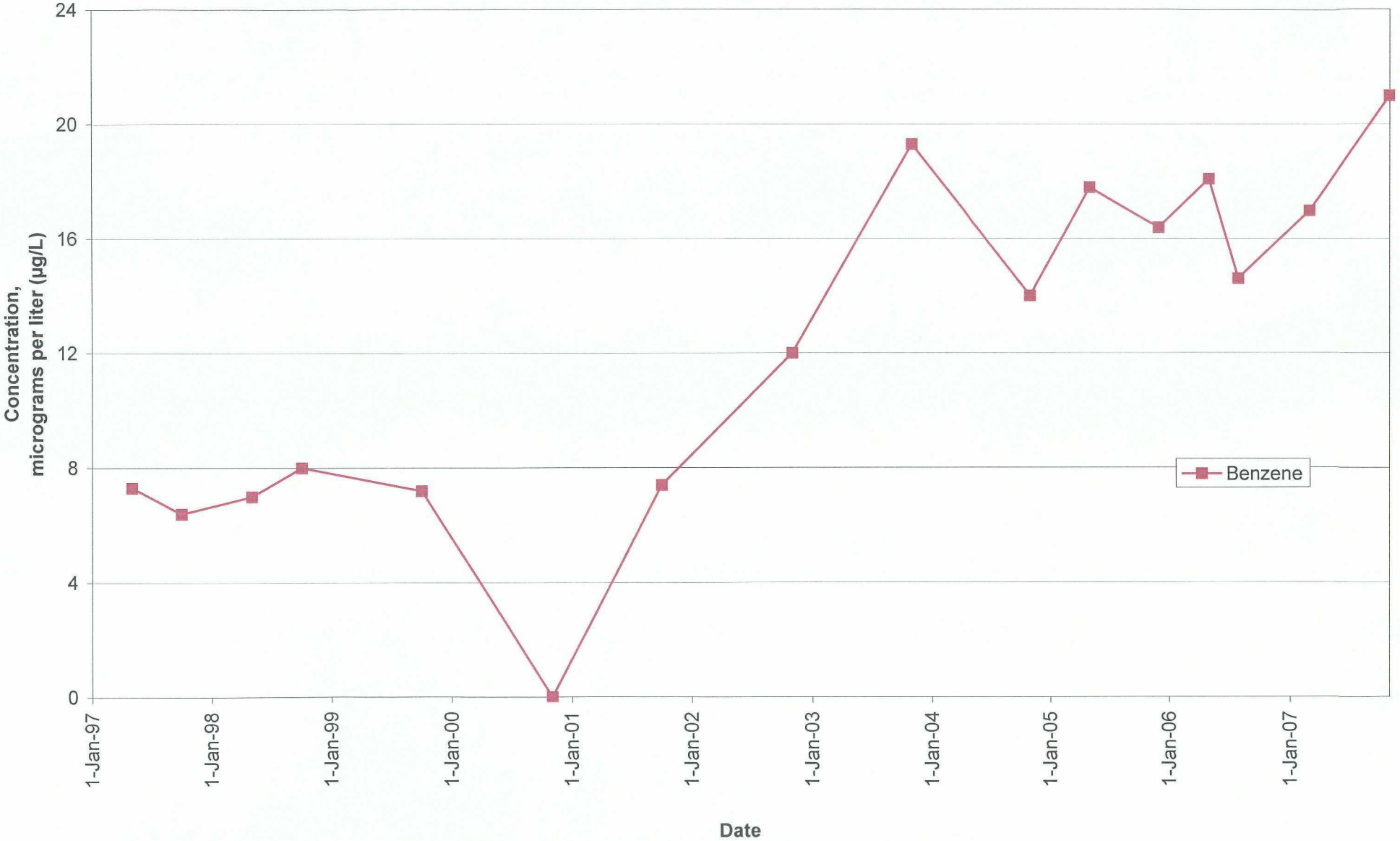
Graph 19 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-07



Graph 20 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-07



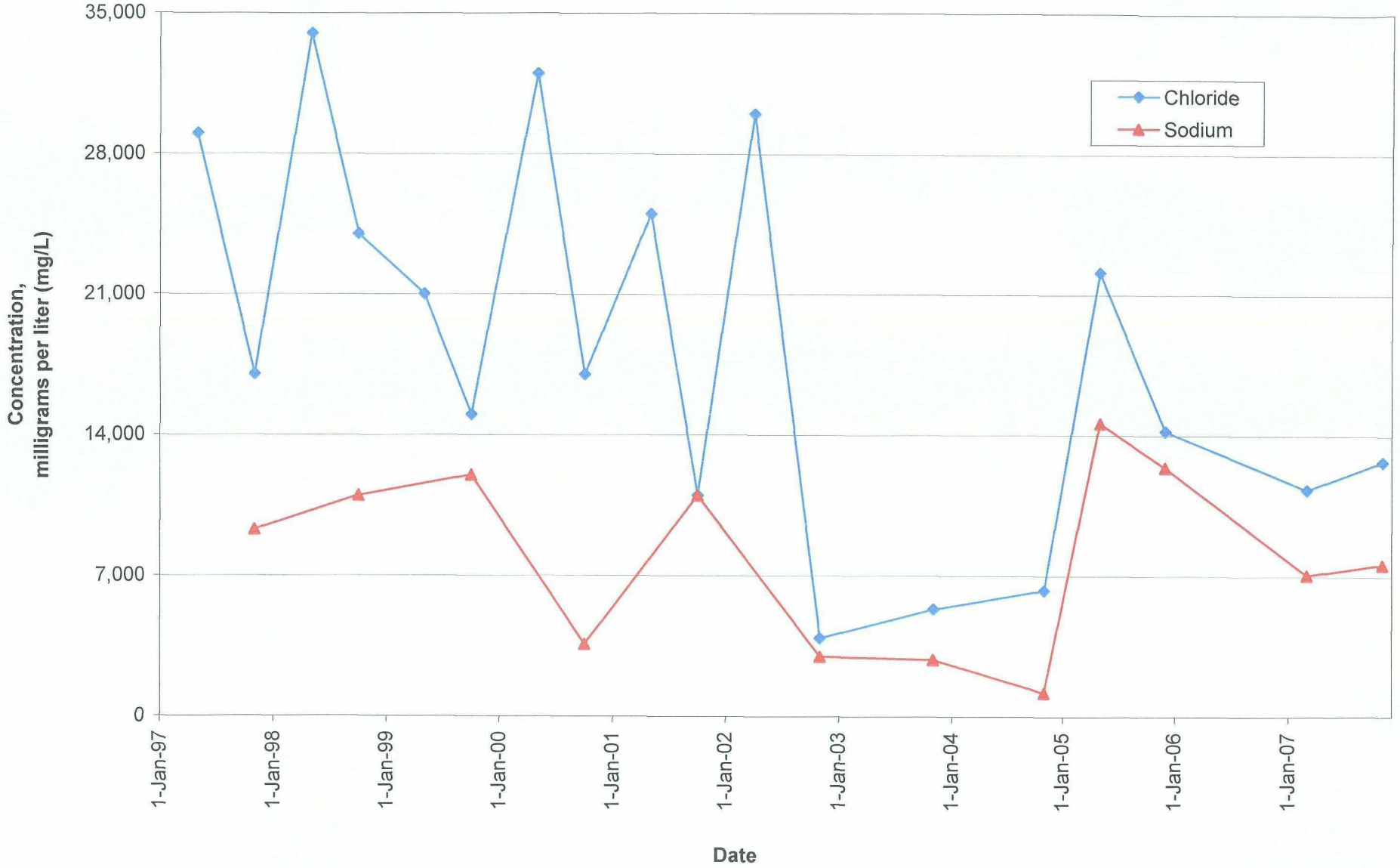
Graph 21 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-07



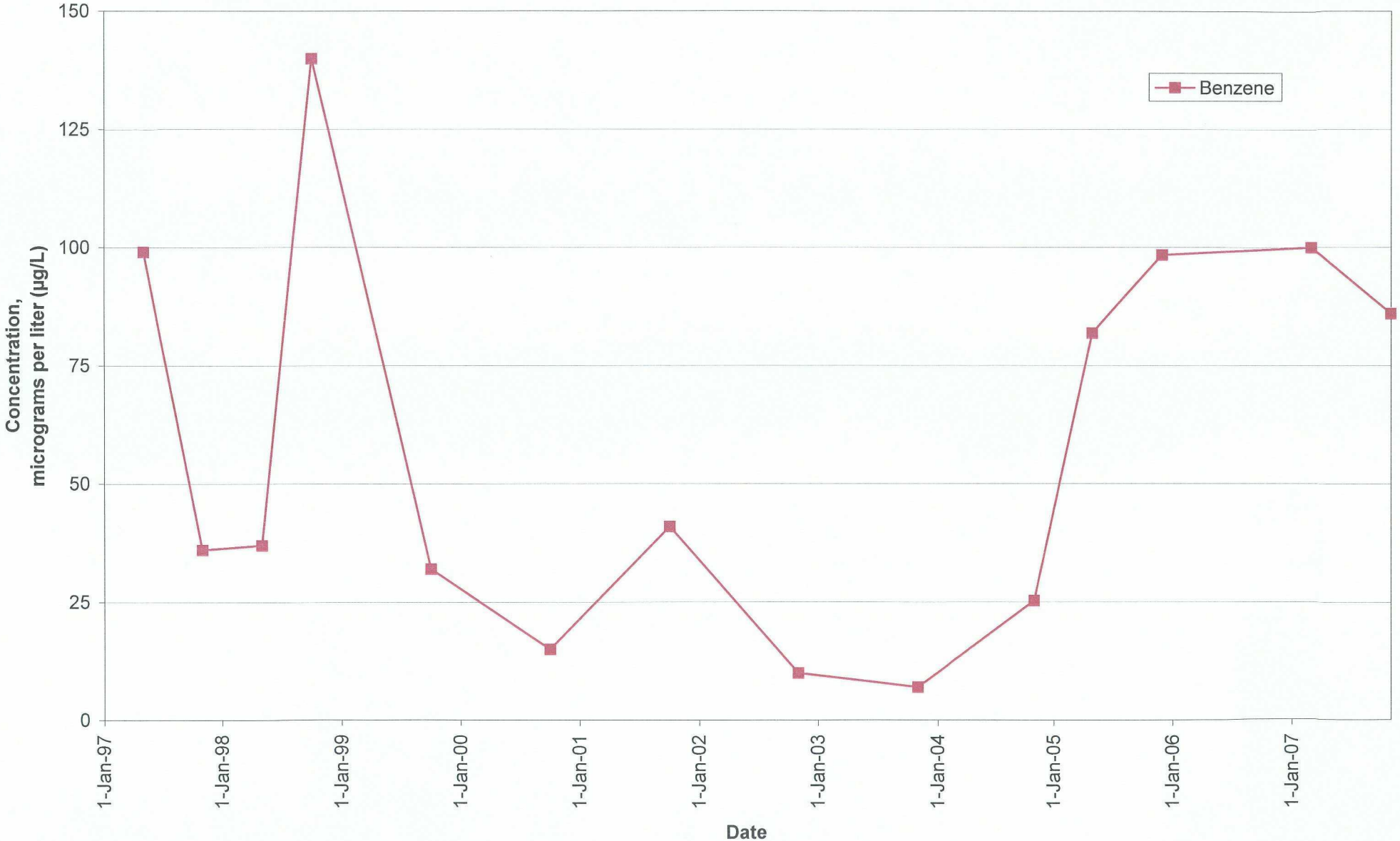
A zero (0) has been plotted for results less than the laboratory reporting limit.

Graph 22 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-08

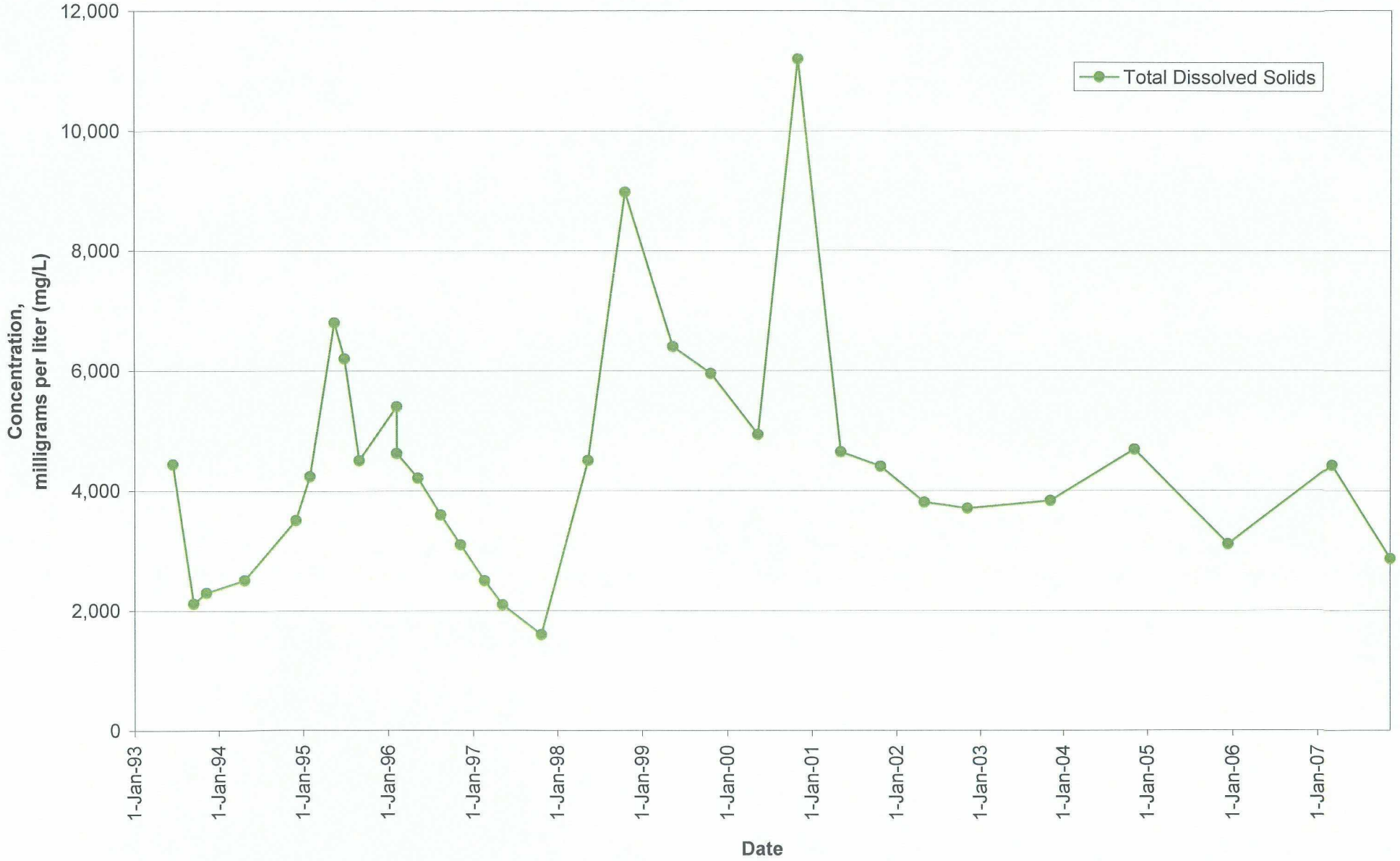
Graph 23 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-08



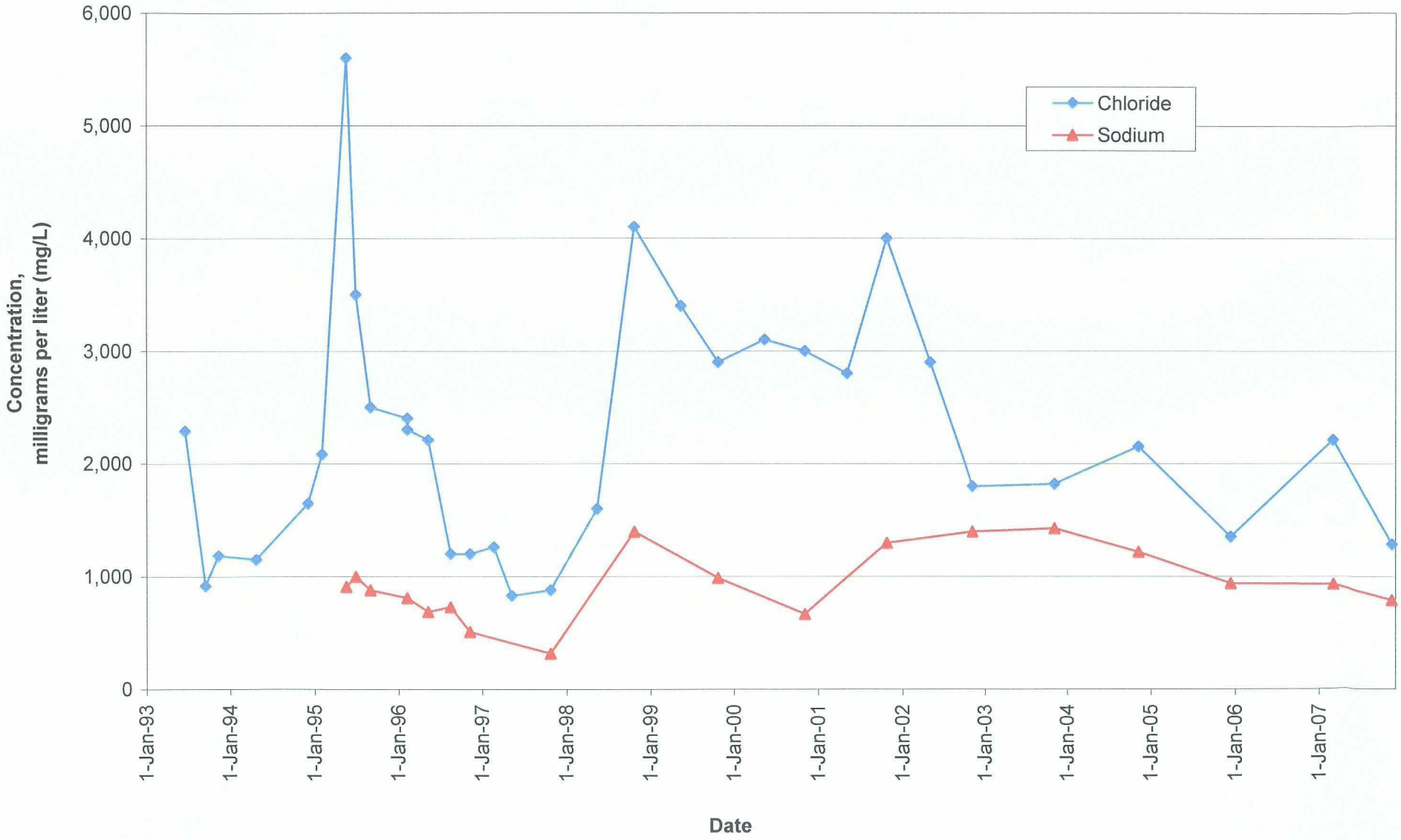
Graph 24 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-08



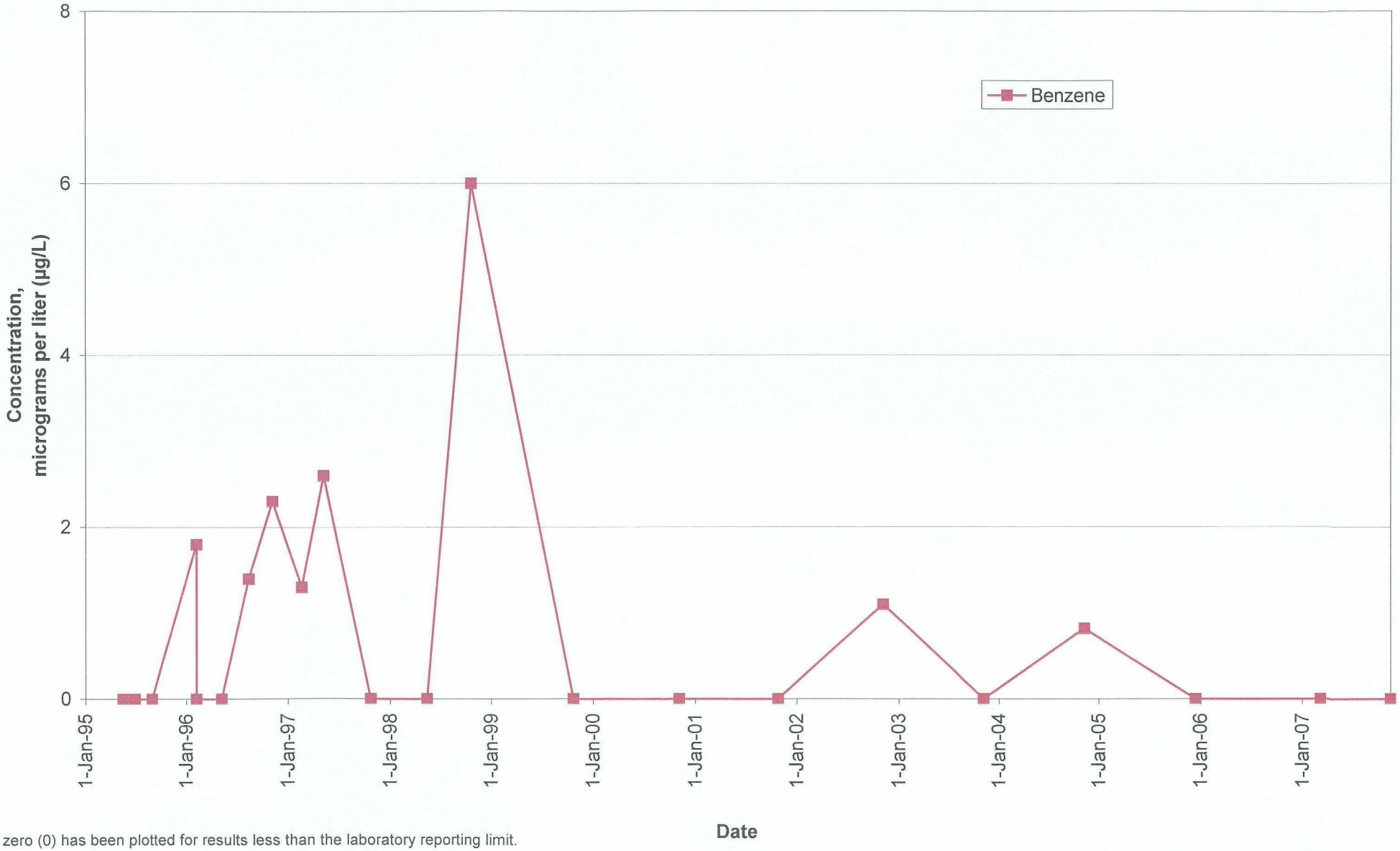
Graph 25 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-09



Graph 26 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-09



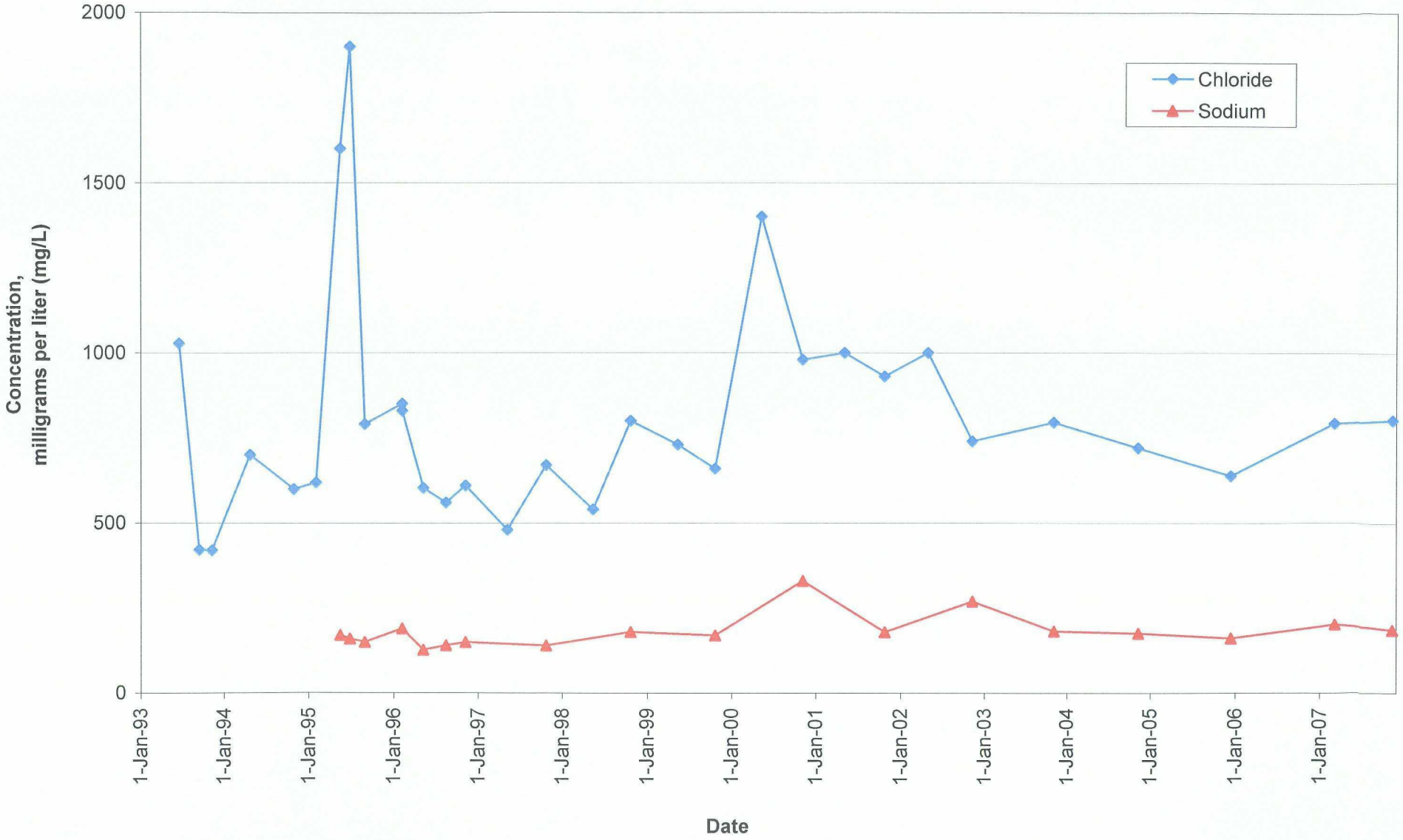
Graph 27 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-09



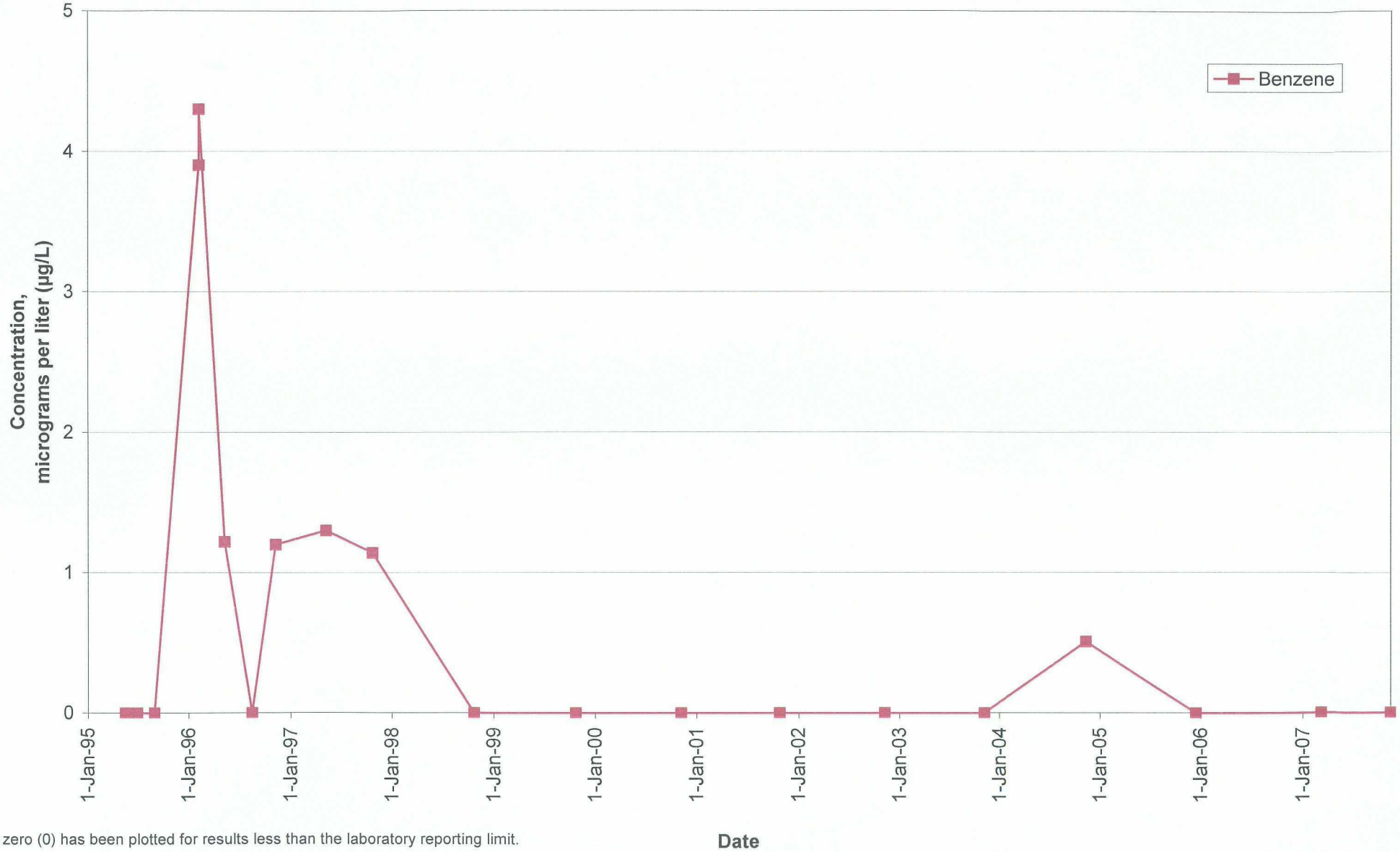
A zero (0) has been plotted for results less than the laboratory reporting limit.

Graph 28 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-10

Graph 29 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-10



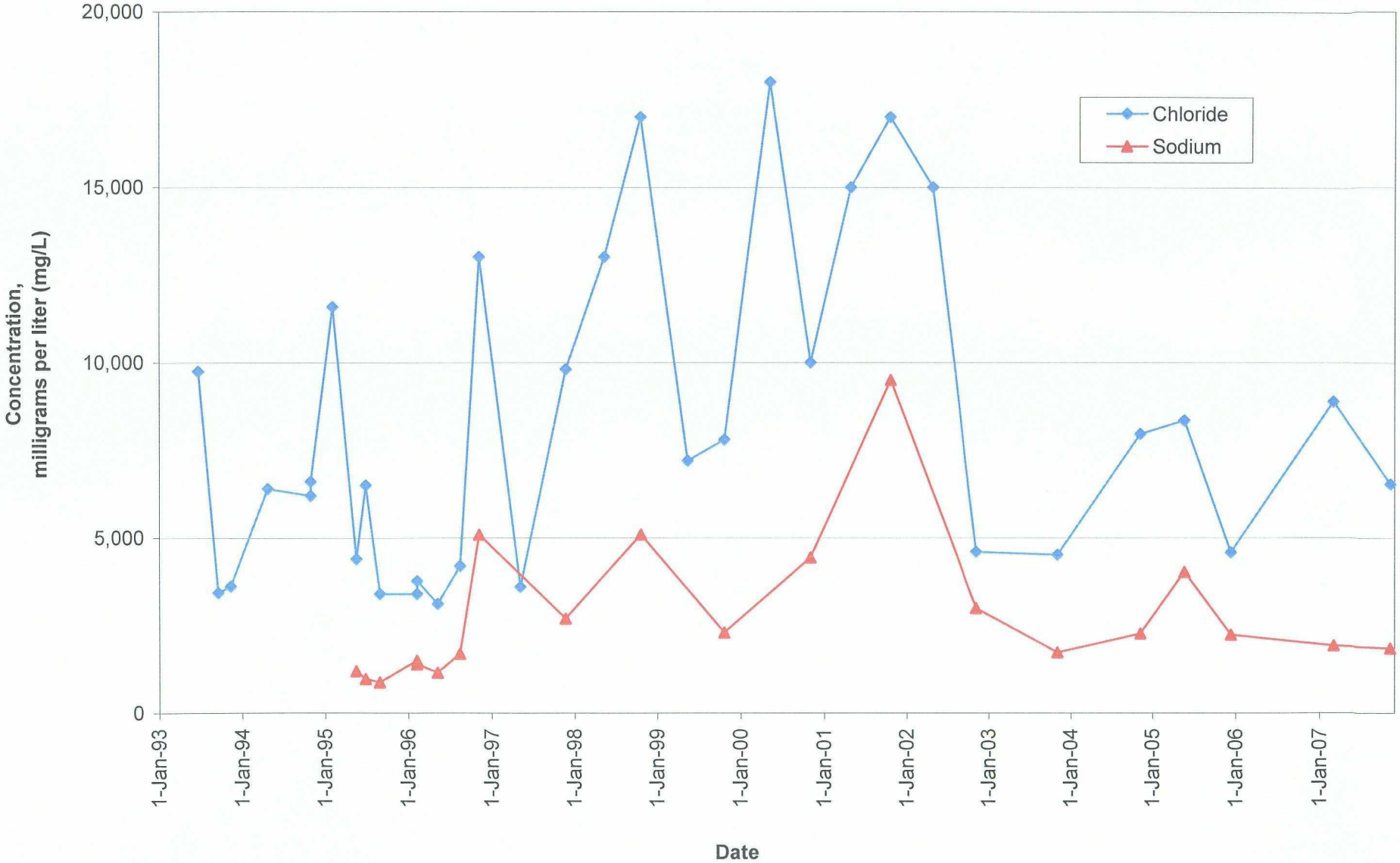
Graph 30 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-10



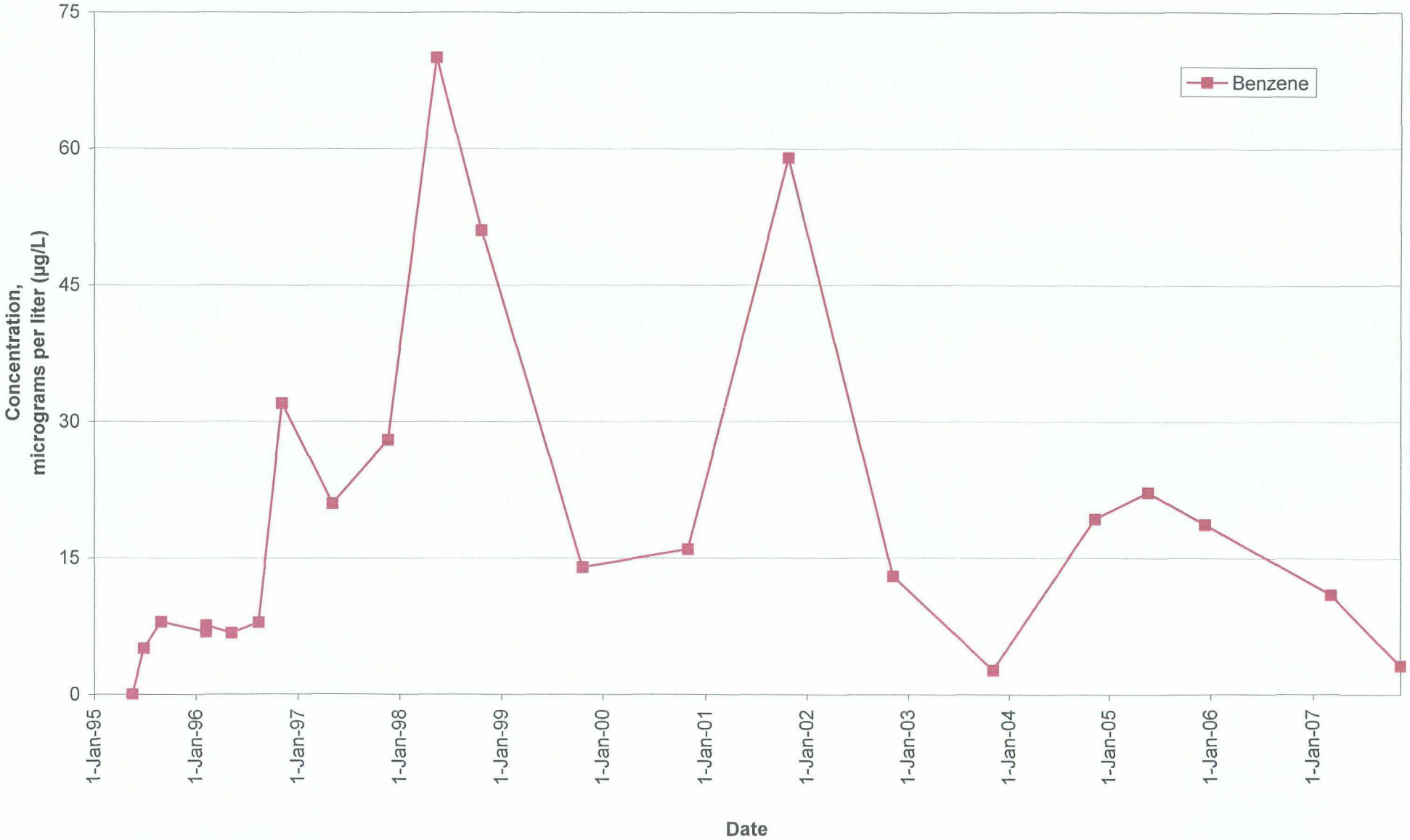
A zero (0) has been plotted for results less than the laboratory reporting limit.

Graph 31 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-11

Graph 32 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-11



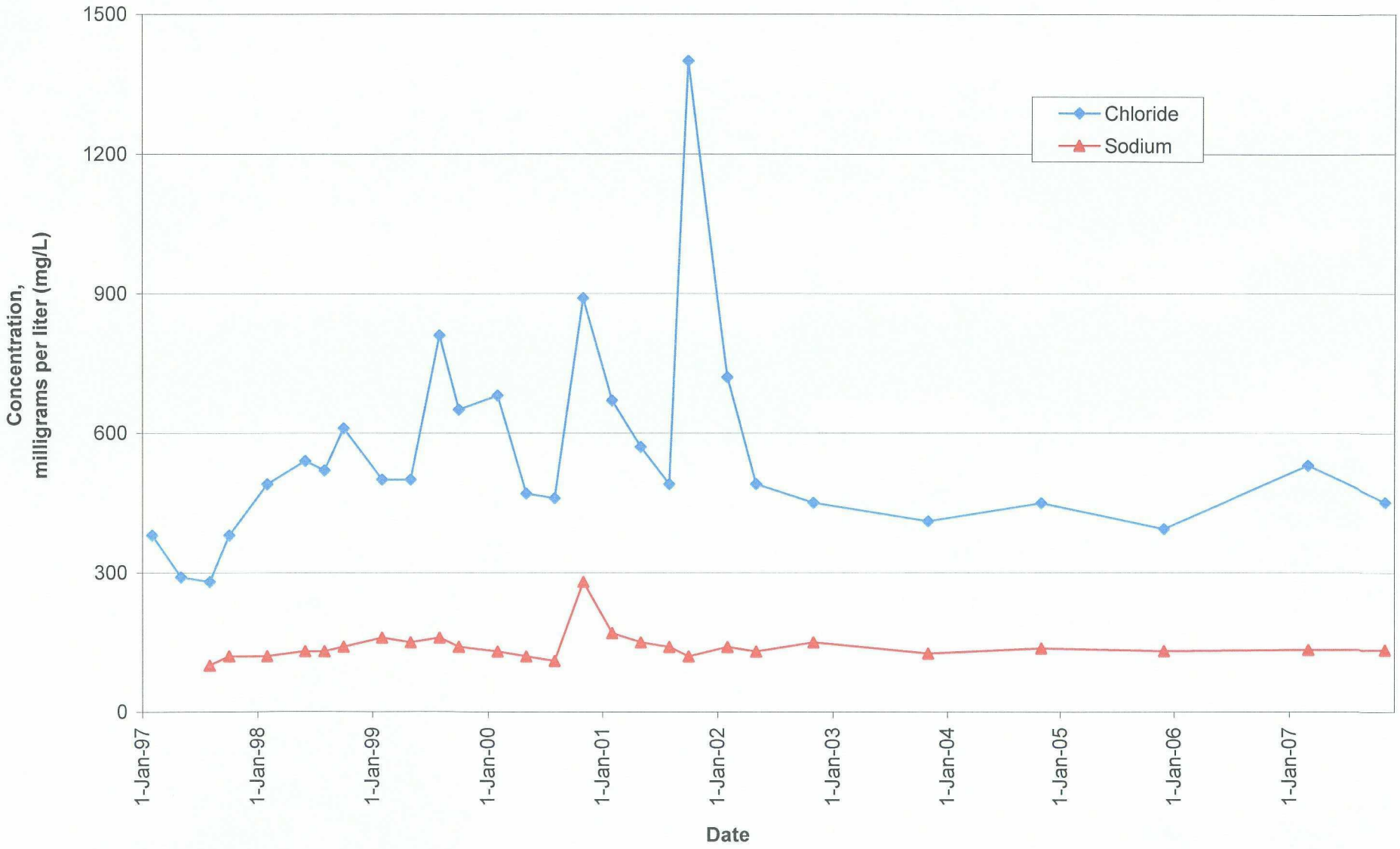
Graph 33 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-11



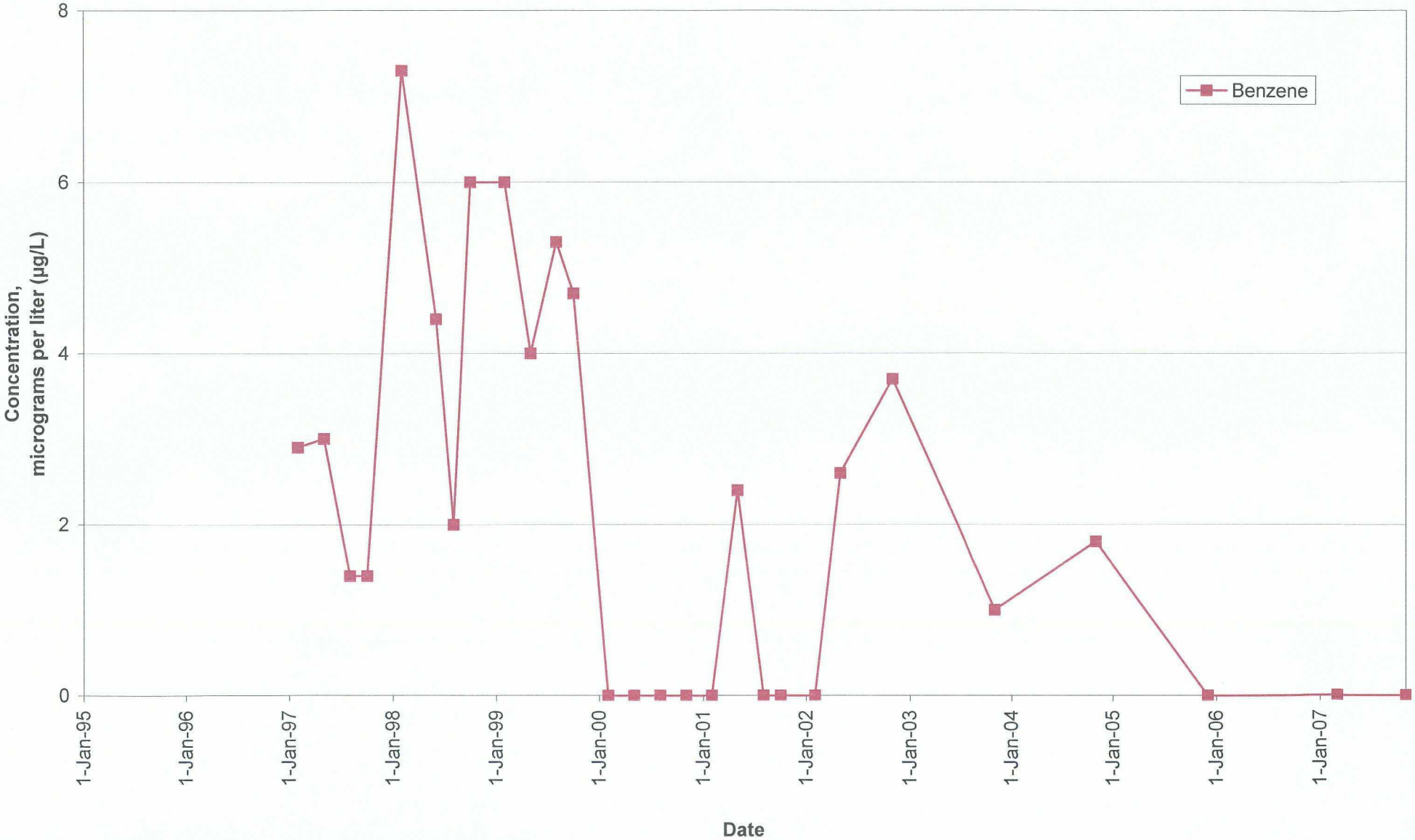
A zero (0) has been plotted for results less than the laboratory reporting limit.

Graph 34 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-12

Graph 35 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-12

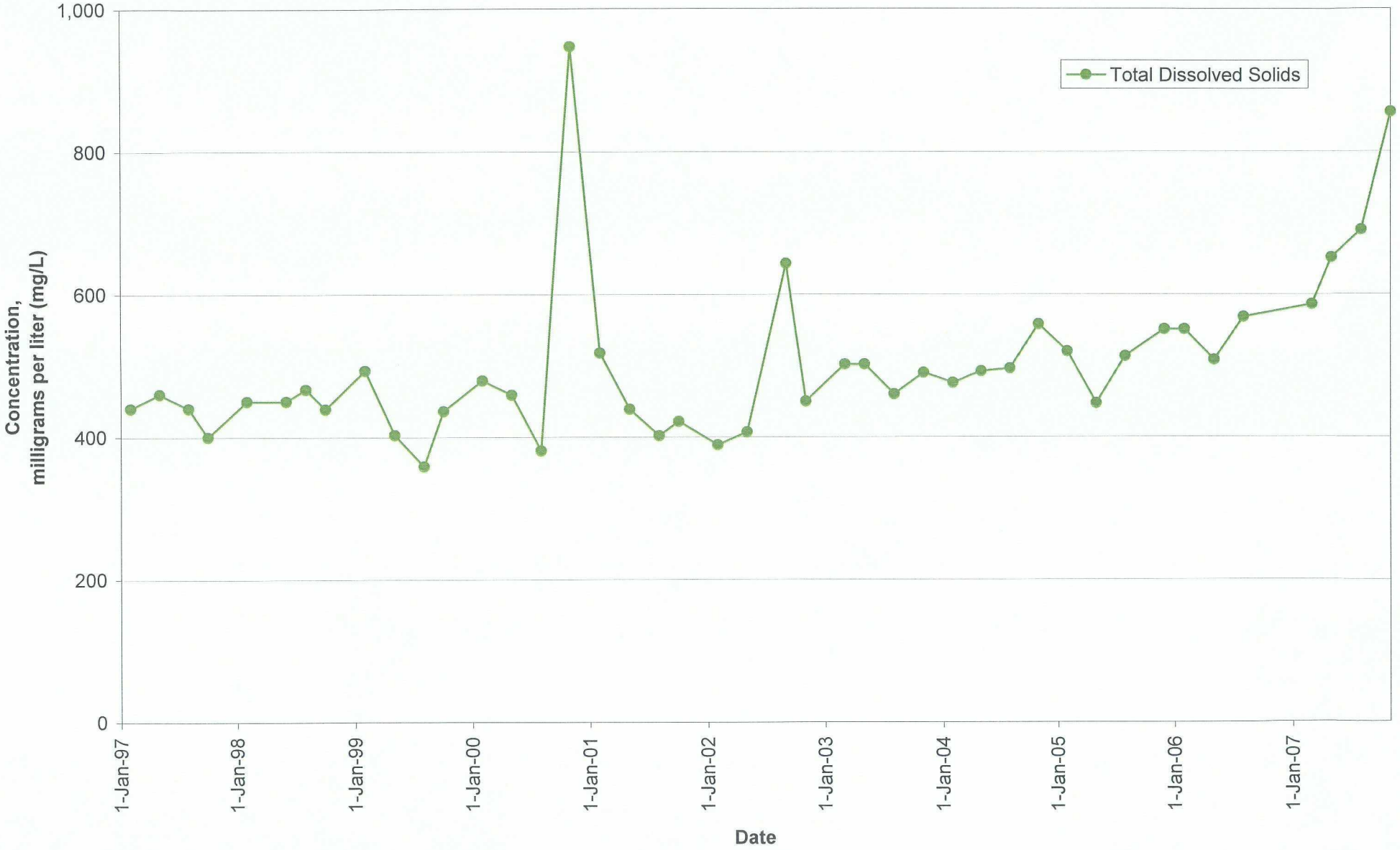


Graph 36 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-12

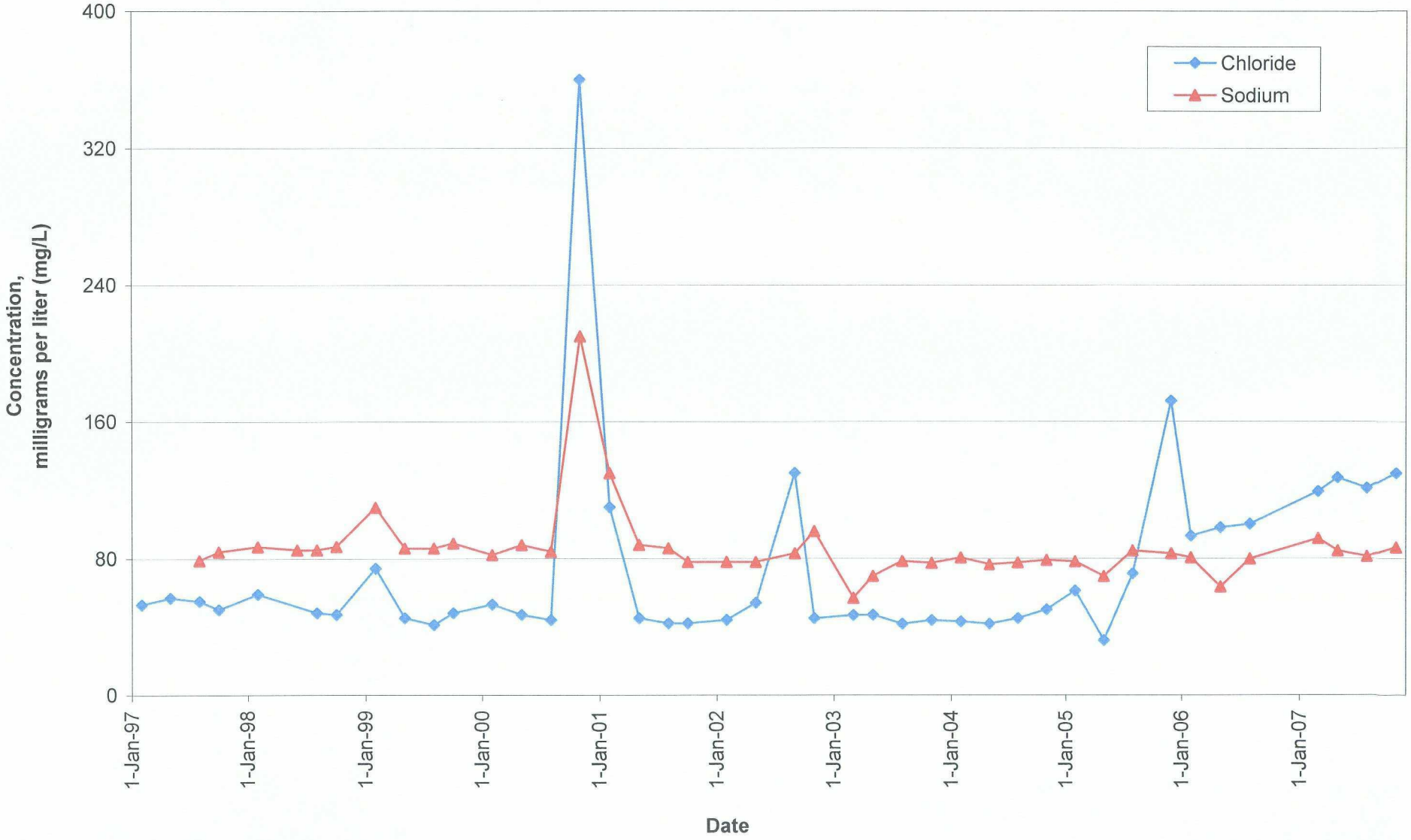


A zero (0) has been plotted for results less than the laboratory reporting limit.

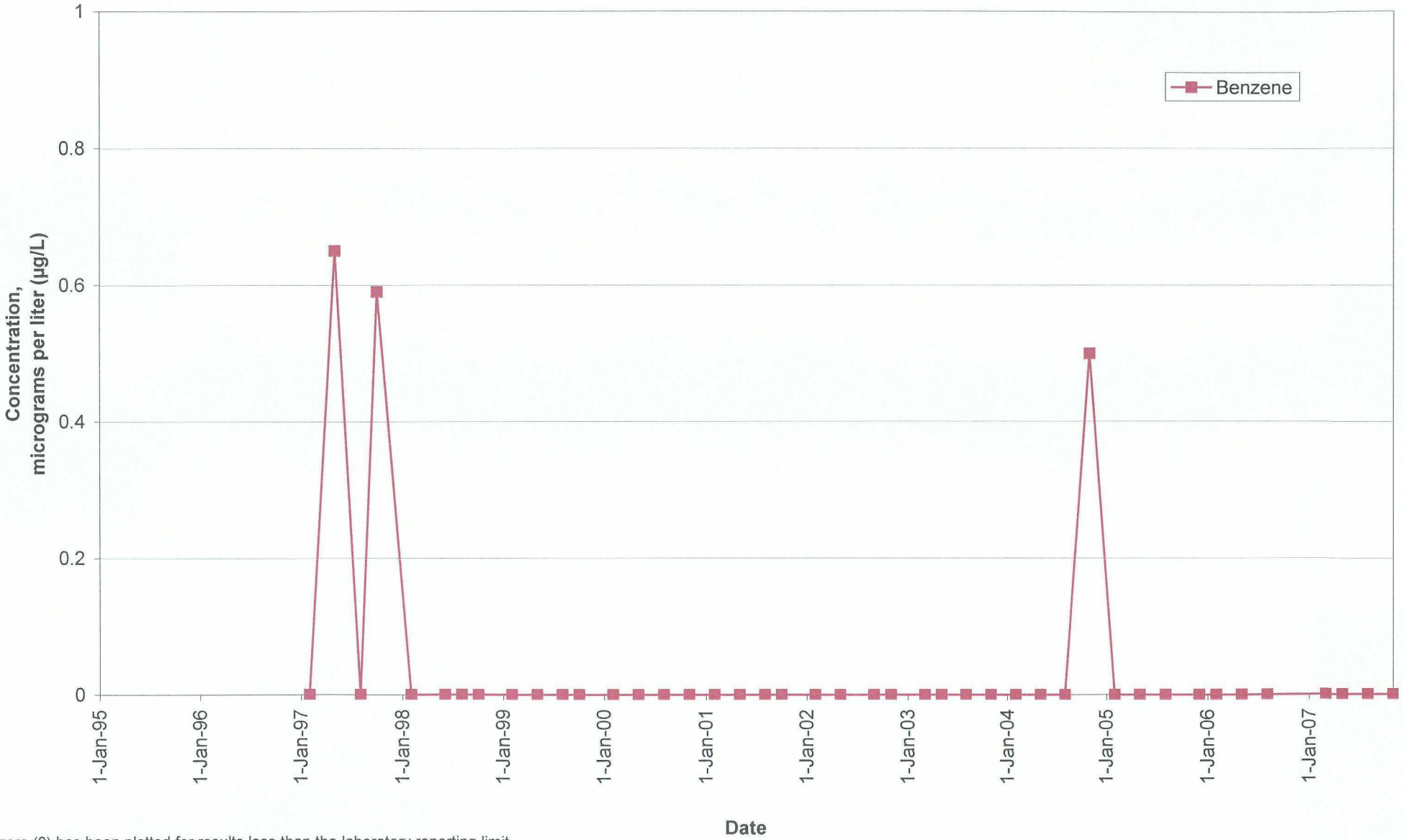
Graph 37 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-13



Graph 38 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-13

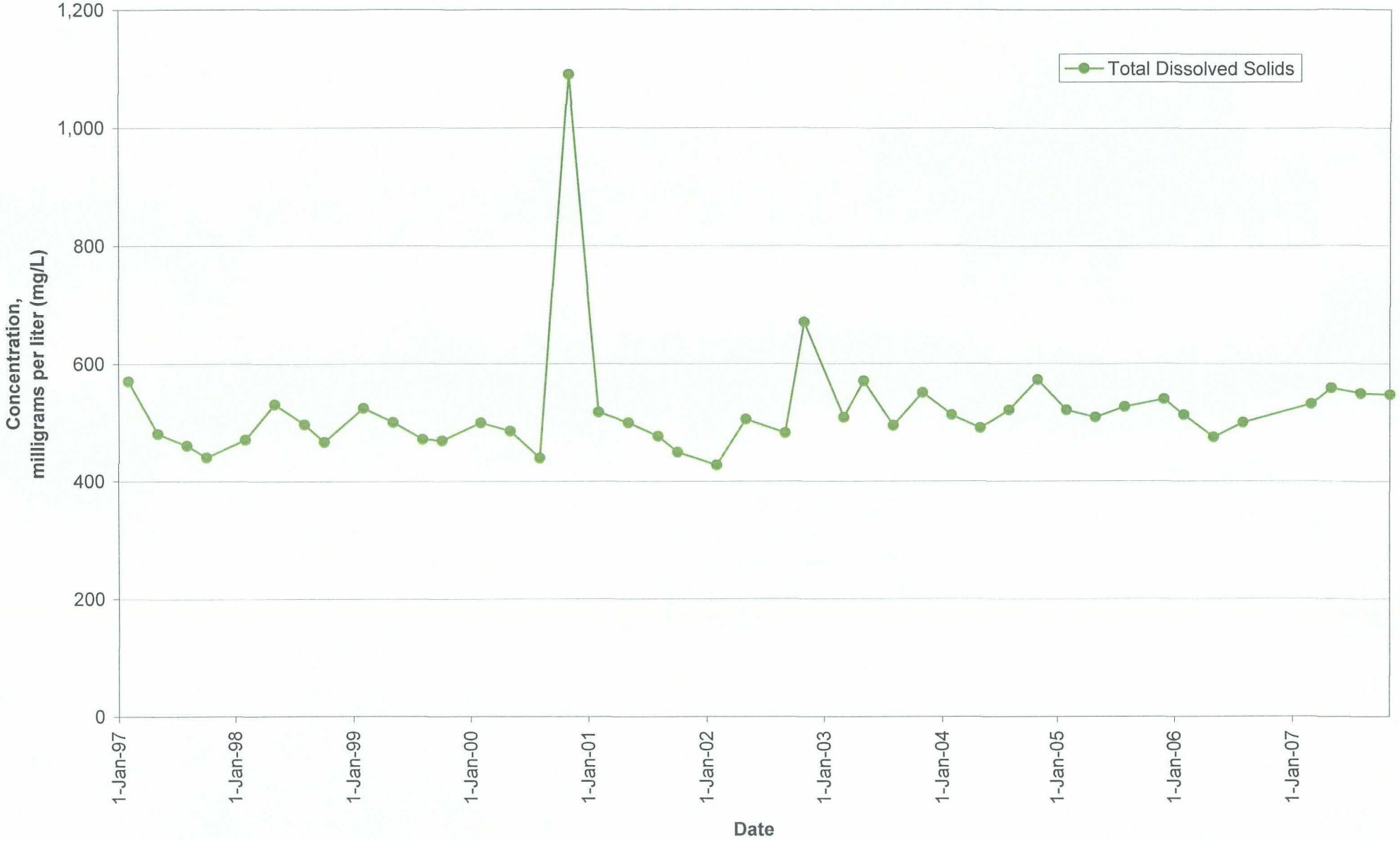


Graph 39 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-13

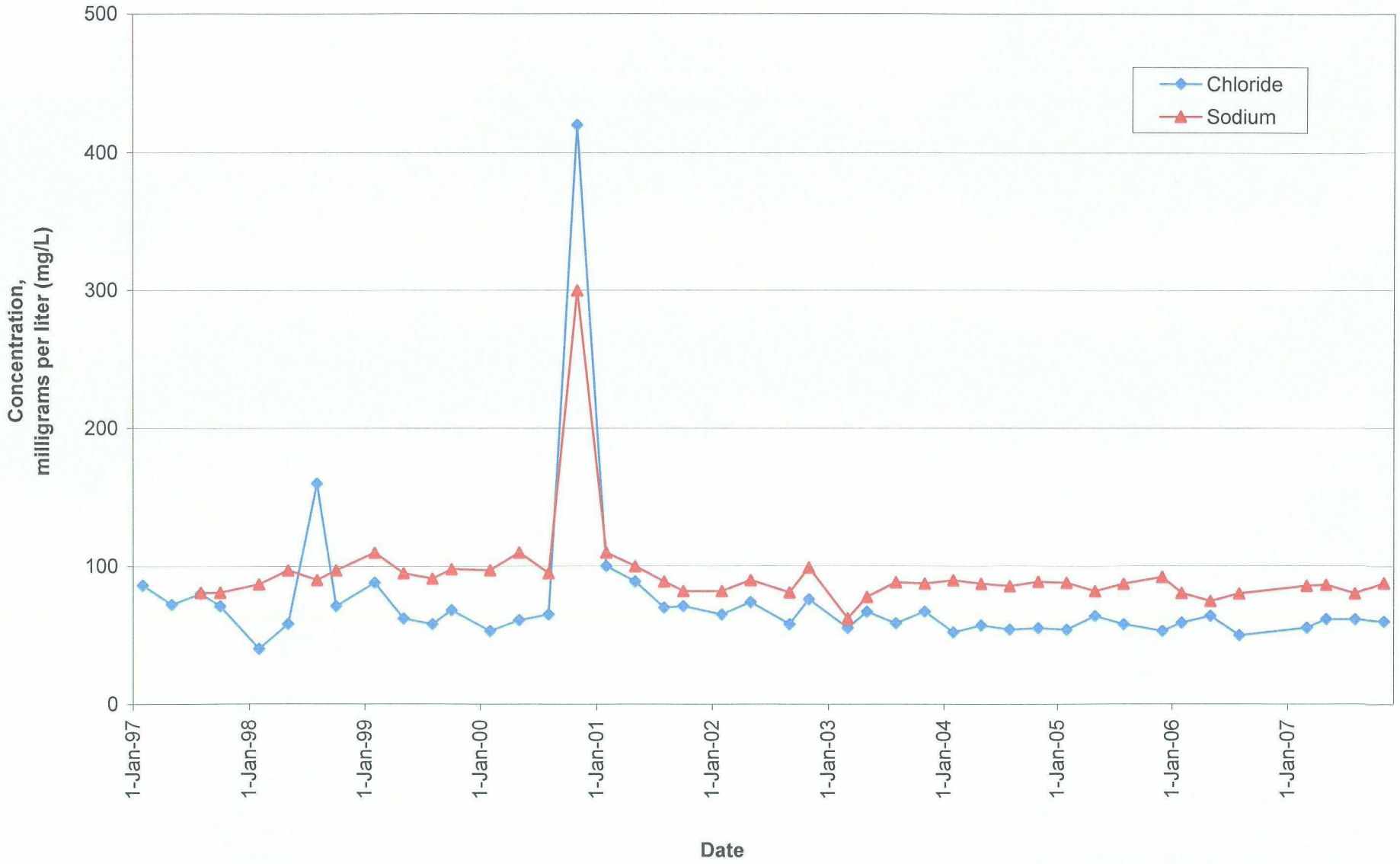


A zero (0) has been plotted for results less than the laboratory reporting limit.

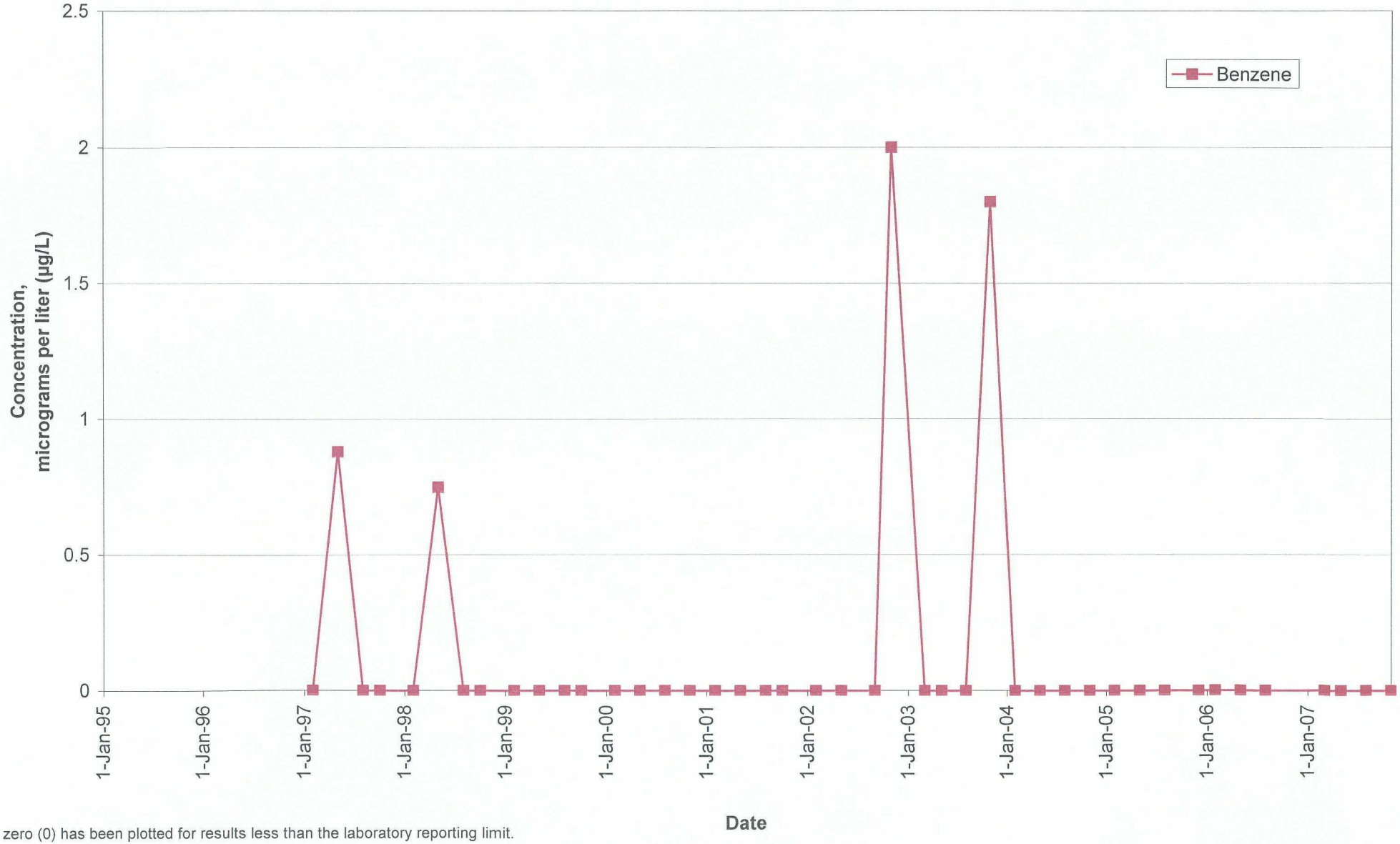
Graph 40 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-14



Graph 41 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-14



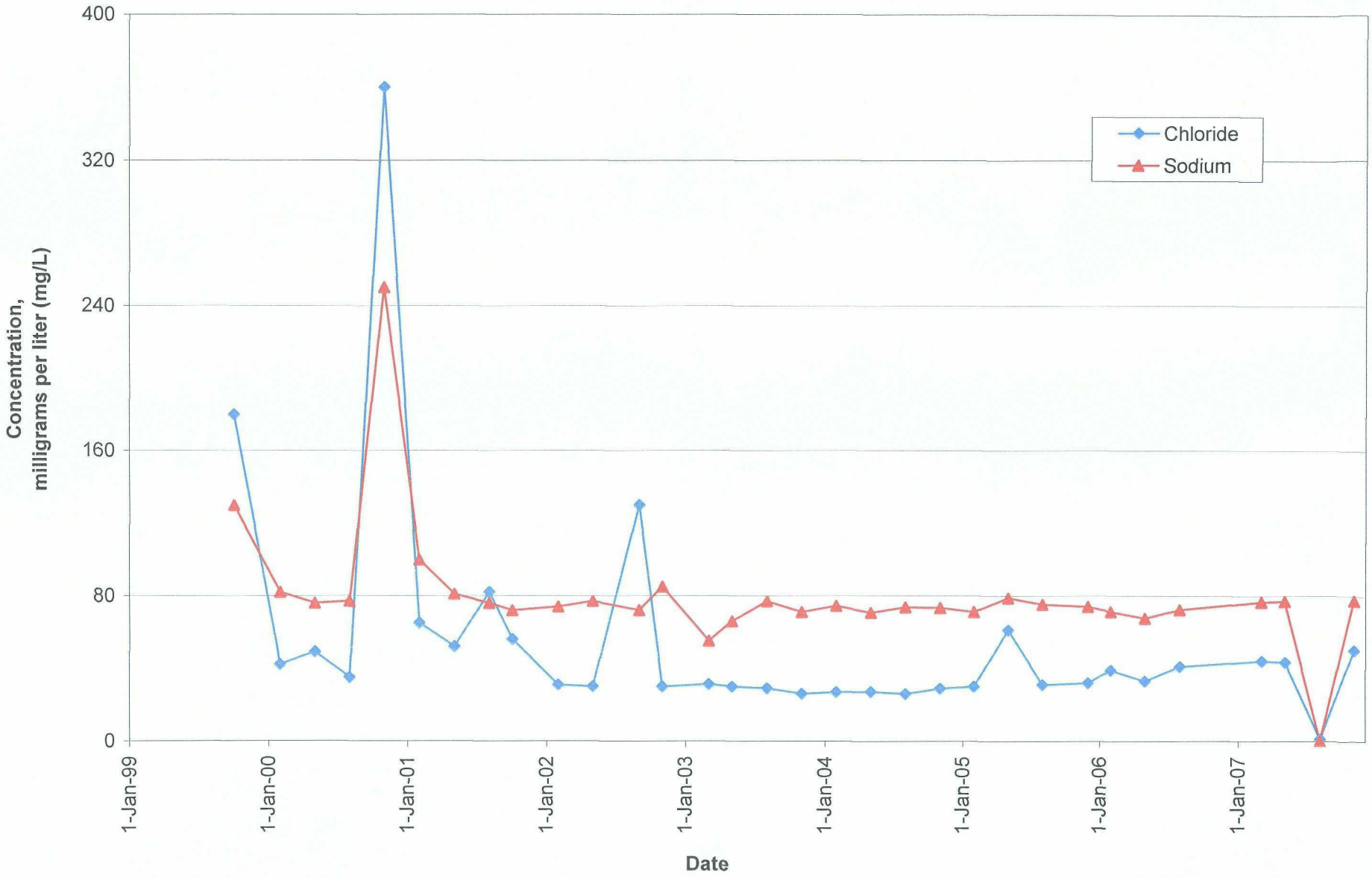
Graph 42 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-14



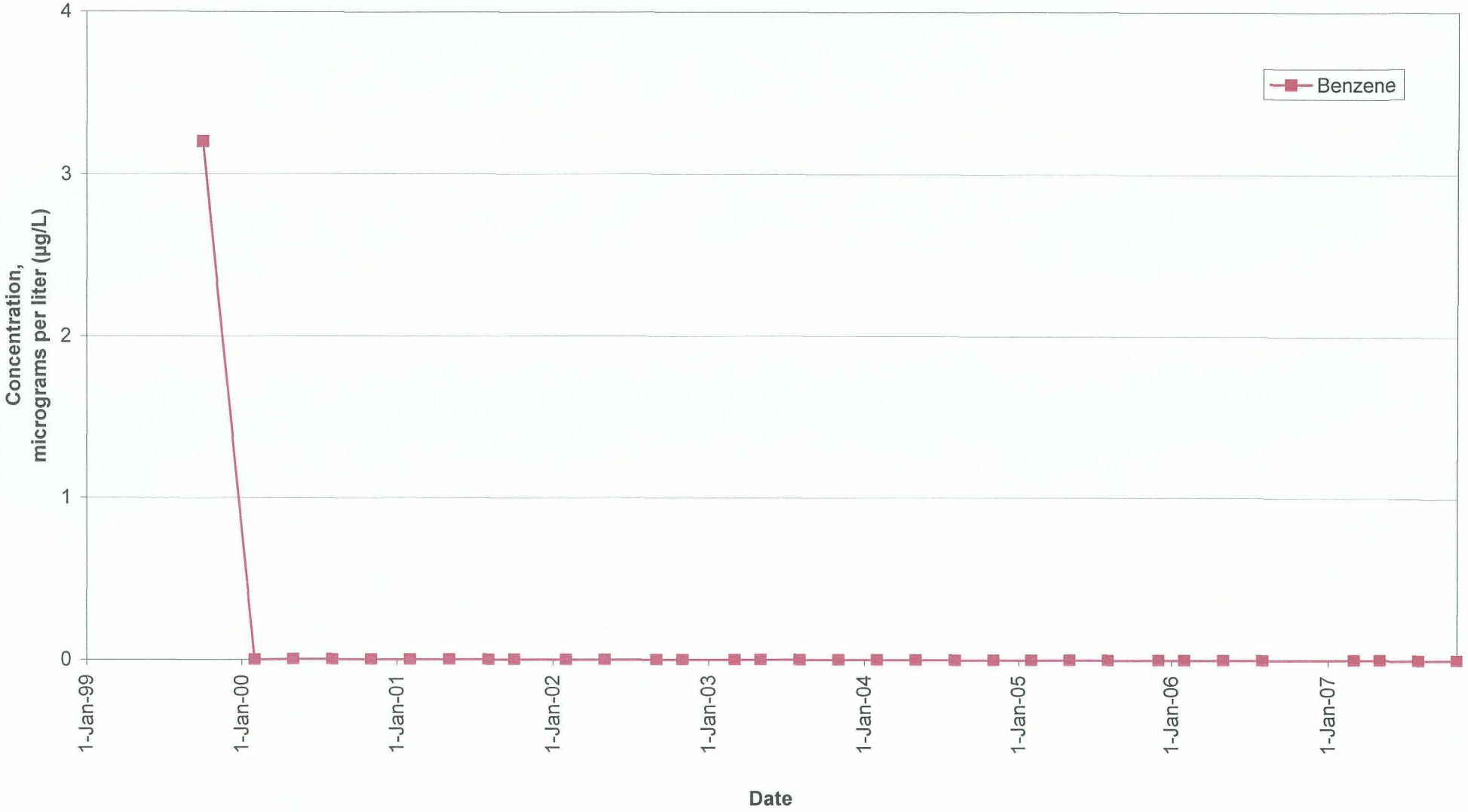
A zero (0) has been plotted for results less than the laboratory reporting limit.

Graph 43 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-15

Graph 44 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-15



Graph 45 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-15



A zero (0) has been plotted for results less than the laboratory reporting limit.

APPENDIX A

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION