

GW - 107

**ANNUAL
MONITORING
REPORT**

05/09/2007



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Via Federal Express

May 9, 2007

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

**RE: 2006 Annual Groundwater Remediation Report Jal No. 4 Plant Lea County,
New Mexico**

Dear Mr. Martin:

El Paso Natural Gas Company hereby submits the enclosed "2006 Annual Groundwater Remediation Report Jal No. 4 Plant Lea County, New Mexico". The Annual Report details remediation efforts for the year 2006.

If you have any questions concerning the Annual Report please call me at (719) 520-4433 or Buddy Richardson with Benham at (918) 492-1600.

Sincerely,

A handwritten signature in dark ink, appearing to read "Scott T. Pope".

Scott T. Pope P.G.
Principal Environmental Scientist

xc: Mr. Chris Williams, NMOC, Hobbs - w / enclosures: **Via Federal Express**
Mr. Darrell Campbell, EPNG - w / enclosures
Mr. Buddy Richardson, BI - w / enclosures
Mr. Ed Nichols, EPNG - ROW - w / o enclosures
Jal 4 file - w / enclosures

GW 107

**2006 ANNUAL
GROUNDWATER REMEDIATION
REPORT
JAL NO. 4 PLANT
LEA COUNTY, NEW MEXICO**

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May 9, 2007

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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	2006 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
2006 ANNUAL GROUNDWATER REMEDIATION REPORT
May 9, 2007**

1.0 INTRODUCTION

The Benham Companies, LLC (Benham), has been retained by El Paso Natural Gas Company (EPNG) to compile the 2006 Annual Groundwater Remediation Report (Report) for the Jal No. 4 Plant (Plant) located in Lea County, New Mexico. The submittal of this Report has been delayed due to substantive data quality issues identified by EPNG within the laboratory analytical data for the Fourth Quarter (Q4) 2006 sampling event. These data quality issues required EPNG to resample the Q4 monitoring wells in March 2007 and submit these samples to another analytical laboratory. On January 23, 2006, EPNG informed the New Mexico Oil Conservation Division (NMOCD) of the delay in the submittal of the Report and requested that the submittal date be revised from February 15, 2007 to March 30, 2007. On March 20, 2007, Benham informed the NMOCD that due to Site weather conditions and staff health issues, EPNG would not be able to meet the March 30, 2007 Report submittal date, and requested that the submittal date be extended until May 14, 2007. Copies of the EPNG and Benham correspondence regarding the Report submittal delay are provided in **Appendix A**.

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 2006 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

Monitoring Well	Sampled Q1, Q2, Q3, and Q4	Sampled Q4 Only
ACW-9		X
ACW-10		X
ACW-11		X
ACW-12		X
ACW-13	X	
ACW-14	X	
ACW-15	X	

Note: Substantive data quality issues identified within the laboratory analytical data for the Q4/2006 sampling event required EPNG to resample the Q4 wells in March 2007.

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. In addition, program monitoring well ACW-7 was also sampled in May and August of 2006 in order to obtain additional information.

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 and was not sampled during sample year 2003. However, sampling of ENSR-2 resumed in 2004 and continued in 2006. The ENSR wells are located within the Plant process areas as shown on **Figures 2** through **8**. 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 **8**. 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 2006 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: Substantive data quality issues identified within the laboratory analytical data for the Q4/2006 sampling event required EPNG to resample the Q4 wells in March 2007.

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 2006 groundwater analyses and all previous analyses are summarized in **Table 2**. Copies of complete 2006 laboratory analytical reports and chain-of-custody documents are provided on the CD-ROM in **Appendix B**.

2.0 RESULTS OF MONITORING ACTIVITIES

The following Sections summarize the field measurements and laboratory analytical results obtained throughout the 2006 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**". As previously discussed, substantive data quality issues identified within the laboratory analytical data for the Q4/2006 sampling event required EPNG to resample the Q4 wells in March 2007 and submit these samples to another analytical laboratory.

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 2006, 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 2006 sampling events and the March 2007 resample event. These maps are presented on **Figures 2** through **6**. 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 2006 from the inorganic database provided herein. The trends observed in calendar year 2005 are shown in parentheses.

Monitoring Well	Concentration Trends		
	TDS	Chloride	Sodium
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:	↔	no observable trend	
	↓	a decreasing trend	
	↑	an increasing trend	

In general, these trends indicate that the overall levels of inorganic constituents are decreasing in five wells, increasing in one well, and have no observable trends in nine 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

Monitoring Wells with No Observable Trend in Overall Inorganic Levels

ACW-3 ACW-5 ACW-9 ACW-10 ACW-11
ACW-12 ACW-13 ACW-14 ACW-15

Figure 7 presents an isopleth of the chloride concentrations detected in groundwater during the 2006 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 2006 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 [$\mu\text{g/L}$]) 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 2006 from the benzene database provided herein. The trends observed in calendar year 2005 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	↔ (↔)

Monitor Well		Benzene Concentration Trend
ACW-11		↔ (↔)
ACW-12		↓ (↓)
ACW-13		↔ (↔)
ACW-14		↔ (↔)
ACW-15		↔ (↔)
Key:	↔	no observable trend
	↓	a decreasing trend
	↑	an increasing trend

In general, these trends indicate that benzene levels are stable or decreasing across the Plant property (2 decreasing and 4 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-2A 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-4 ACW-5 ACW-6 ACW-8 ACW-9
ACW-10 ACW-11 ACW-13 ACW-14 ACW-15

Figure 8 presents an isopleth of the benzene concentrations detected in groundwater during the 2006 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 2006 monitoring program. As can be seen on **Figure 8**, benzene was detected in 11 on-site and 3 off-site monitoring/recovery wells. The highest benzene concentration observed in 2006 was detected in the groundwater sample taken from on-site monitoring well ACW-4 (110 µg/L).

During 2006, the benzene levels detected in on-site wells ENSR-2 (10 µg/L), ACW-2A (44 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 (93 µg/L), and off-site well ACW-7 (17 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, and although the overall benzene concentration trend in this well appears to be increasing, the levels of benzene observed in this well since 2003 appear to be stabilizing. 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 **8**. 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 **8**, 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 2006.

Groundwater recoveries from recovery wells RW-1, RW-2, ENSR-2, ACW-3, and ACW-8 in calendar year 2006 totaled 2,367,970 gallons, 1,205,100 gallons, 2,151,020 gallons, 1,725,100 gallons and 2,293,637 gallons respectively, and had an annual combined total of 9,742,827 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 29.90 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	3,967,385	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
Cumulative Total	8,606,919	16,886,555	10,175,118	2,429,420	3,435,630	41,533,642	127.51

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 2006, 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 are either stable or decreasing.
- 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 8 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 a slightly increasing trend, and even this trend appears to be stabilizing.

- 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.

TABLES

**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
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-TOG)	Groundwater Elevation (Feet-AMSL)
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
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
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
			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

**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.)			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
ACW-06	110 to 120	3300.53	08/23/06	104.15	3190.60
			12/12/06	104.11	3190.64
			03/07/07	104.11	3190.64
			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
			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

**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-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
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
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

Table 1

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**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 (cont.)			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
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
			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

**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.)			08/23/06	107.37	3190.20
			12/13/06	107.35	3190.22
			03/08/07	107.38	3190.19
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
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

Table 1

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**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 (cont.)			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
ACW-13	153 to 173	3289.46	03/08/07	110.28	3189.28
			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
			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

**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-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
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

**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 (cont.)			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
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
ENSR-3	123 to 148	3,303.80	03/06/07	108.52	3,196.88
			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
PTP-1	110 to 130	3,304.41	12/14/06	108.18	3,195.62
			03/06/07	108.35	3,195.45
			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

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 : 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, µg/l	p-Xylene, µg/l	o-Xylene, µg/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 #01	ACW #01	05-Mar-93	—	—	—	—	—	—	—	—	8.505	14,350	—	4,045	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	15-Sep-93	—	—	—	—	—	—	—	—	6,016	10,360	—	2,915	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	10-Nov-93	—	—	—	—	—	—	—	—	7,340	11,780	—	3,683	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	20-Apr-94	—	—	—	—	—	—	—	—	8,430	16,520	—	5,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	27-Oct-94	—	—	—	—	—	—	—	—	8,440	14,630	—	3,700	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	16-May-95	<5	<10	<5	<5	<5	<5	<15	—	8,200	14,000	8.3	8,200	4,100	240	—	1.8	25	<2.0	—	—	—	—	—	—	—	—	—	—	<0.025
ACW #01	ACW #01	27-Jun-95	4.6	4.6	<2.5	—	—	—	<15	—	8,400	14,000	8.4	8,400	6,700	260	—	1.9	22	<2.0	—	—	—	—	—	—	—	—	—	—	<0.025
ACW #01	ACW #01	29-Aug-95	6	<10	<5	—	—	—	<15	—	12,000	21,000	8.2	12,000	3,300	210	—	2.2	18	<20	—	—	—	—	—	—	—	—	—	—	<0.025
ACW #01	ACW #01	06-Feb-96	6.1	3	1.9	—	—	—	<2.8	—	9,700	16,000	8.3	9,700	5,200	280	—	2.1	0.88	0.02	—	—	—	—	—	—	—	—	—	—	<0.006
ACW #01	ACW #01	06-Feb-96	5.6	2.7	3	—	—	—	<7.5	—	9,440	16,170	8.2	9,440	5,770	293	—	2.06	2.1	<1.25	—	—	—	—	—	—	—	—	—	—	<0.1
ACW #01	ACW #01	08-May-96	6.3	2.03	<1.0	—	—	—	<3.0	—	8,190	14,620	8.2	8,190	4,130	268	—	<1.25	2.2	<1.25	—	—	—	—	—	—	—	—	—	—	0.01
ACW #01	ACW #01	13-Aug-96	3.5	1.2	<1.0	—	—	—	<2.0	—	7,400	12,000	8.1	7,400	3,500	270	—	1.9	4.9	<0.05	—	—	—	—	—	—	—	—	—	—	0.019
ACW #01	ACW #01	05-Nov-96	5.6	2.5	<1.0	—	—	—	<1.3	—	7,200	11,000	8.1	7,200	3,700	250	—	2	4.4	<0.05	—	—	—	—	—	—	—	—	—	—	<0.007
ACW #01	ACW #01	06-May-97	14	15	<5.0	—	—	—	5.7	—	8,800	14,800	—	5,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #01	ACW #01	21-Nov-97	6.1	4.8	<0.5	—	—	—	2.4	—	12,000	20,800	8.4	12,000	7,800	320	—	<2	2.1	<0.5	—	—	—	—	—	—	—	—	—	—	<0.01
ACW #01D	ACW #01D	21-Nov-97	6.7	5.7	<0.5	—	—	—	2.1	—	12,000	20,700	8.2	12,000	7,500	320	—	2	2.2	<0.5	—	—	—	—	—	—	—	—	—	—	<0.01
ACW #01	ACW #01	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	—	12,900	20,300	8.18	6,100	260	17.7	—	<5	2.3	<0.05	—	—	—	—	—	—	—	—	—	—	<0.0025
S98-0458	ACW #01	11-May-99	—	—	—	—	—	—	—	—	8,500	16,900	—	5,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0187	ACW #01	19-Oct-99	7.5	3.6	<2	—	—	—	<4	—	7,800	14,800	8.02	7,800	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	<0.0025
M00-0081	ACW #01	09-May-00	<2	<2	<2	—	—	—	8.3	—	11,300	19,300	8.13	9,900	7,000	—	—	<2	2.3	<1	—	—	—	0.30	0.29	1.0	<0.01	120	<0.01	—	<0.005
M00-0219	ACW #01	26-Oct-00	—	—	—	—	—	—	—	—	7,640	14,200	—	5,300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0133	ACW #01	01-May-01	<2	<2	<2	—	—	—	11.0	—	6,390	12,400	7.92	4,400	380	20.3	—	<5	2.5	<2.5	—	<0.05	0.21	0.24	0.92	<0.005	82	<0.01	<0.01	<0.005	<0.005
M01-0469	ACW #01	22-Oct-01	—	—	—	—	—	—	—	—	4,800	7,920	—	4,800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-03	ACW #01	29-Apr-02	—	—	—	—	—	—	—	—	6,730	12,400	—	4,800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-6	ACW #01	03-Nov-02	<5.0	<5.0	<5.0	<10	<5.0	<15	<15	—	4,000	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	—	—	<5.0	<5.0	—	1,510	5,530	7.2	2,480	2,480	—	20.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-3	ACW #01	09-Nov-04	<1.0	1.7	<1.0	—	—	<2.0	<2.0	—	5,140	5,780	7.5	5,140	2,570	19.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-3	ACW #01	12-Dec-05	<10	<10	<10	—	—	<30	<30	—	3,500	7,650	7.0	3,500	1,770	21.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-3	ACW #01	05-Mar-07	1.1	<1	<1	<1	<1	<1	<1	—	5,340	5,860	7.0	5,340	2,780	20.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #02A	ACW #02A	06-May-97	140	100	<50	—	—	—	<100	—	17,000	26,800	—	17,000	11,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #02A	ACW #02A	20-Oct-97	89	100	13	—	—	—	26	—	16,000	24,400	9.2	8,600	<10	—	—	5	7.6	<0.5	—	—	—	—	—	—	—	—	—	—	<0.01
S98-0167	ACW #02A	11-May-98	120	210	20	—	—	—	33	—	16,000	26,000	—	8,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0455	ACW #02A	19-Oct-98	180	340	38	—	—	—	72	—	20,200	25,200	9.40	7,800	17	18.3	—	<5	12	<0.05	—	—	—	—	—	—	—	—	—	—	<0.0025
M99-0013	ACW #02A	12-May-99	—	—	—	—	—	—	—	—	12,000	24,400	—	7,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0181	ACW #02A	18-Oct-99	17 P	42 P	8.1 P	—	—	—	14 P	—	13,000	24,000	9.42	7,600	25	19.8	—	<4	16	<0.05	—	0.35	3.6	0.48	2.3	0.016	4.2	<0.005	0.0041	0.0086	0.034
M00-0078	ACW #02A	08-May-00	—	—	—	—	—	—	—	—	13,600	21,500	—	7,200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0215	ACW #02A	26-Oct-00	35	78	16	—	—	—	32	—	12,800	19,100	9.75	6,500	28	14.1	—	<2	11	<1	—	—	—	—	—	—	—	—	—	—	—
M01-0136	ACW #02A	02-May-01	—	—	—	—	—	—	—	—	10,900	18,500	—	5,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0468	ACW #02A	22-Oct-01	39	34	30	—	—	—	57	—	12,100	19,900	9.88	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	<0.005
2002040220-11	ACW #02A	30-Apr-02	—	—	—	—	—	—	—	—	14,600	22,300	—	6,300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-4	ACW #02A	03-Nov-02	61	32	35	47	<20	47	<20	—	8,800	19,000	9.85 H	8,800	3.2	—	—	<0.50	14	<0.20	—	—	1.6	—	0.98	—	—	—	—	—	—
2003101363-11	ACW #02A	04-Nov-03	45.6 P	17.9 P	24.8 P	—	—	—	41.3 P	—	9,050	18,500	9.8	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	—	11,300	13,730	9.8	4,290	—	20.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-4	ACW #02A	12-Dec-05	22.9	12.2 J	<20	—	—	—	<50	—	13,200	23,500	9.0	5,520	—	18.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-4	ACW #02A	05-Mar-07	44	14	30	31	11	42	<43	—	11,900	18,650	9.1	5,760	20.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #03	ACW #03	06-May-97	350	22	110	—	—	—	43	—	11,000	18,500	—	6,900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #03	ACW #03	20-Oct-97	160	8.2	69	—	—	—	32	—	13,000	23,00																			

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 #01D	ACW #01D	21-Nov-97	0.5	—	100	0.07	—	—	—	20	—	13	—	4,000	—	0.03	670	—	—	—	—
S98-0170	ACW #01	12-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0458	ACW #01	20-Oct-98	0.74	—	110	0.062	—	—	—	16	—	15	—	3,800	—	<0.05	840	840	<25	<25	700
M99-0005	ACW #01	11-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0187	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
M00-0081	ACW #01	09-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0219	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
M01-0133	ACW #01	01-May-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0469	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
2002040220-03	ACW #01	29-Apr-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
200210896-6	ACW #01	03-Nov-02	6.9	—	120	0.33	—	—	—	18	—	45	—	1,500	—	—	500	500	<2.0	<2.0	930
2003101363-9	ACW #01	04-Nov-03	—	—	—	—	—	—	—	—	—	—	—	958	—	—	—	—	—	—	—
2004111601-3	ACW #01	09-Nov-04	—	—	—	—	—	—	—	—	—	—	—	696	—	—	—	—	—	—	—
2005121523-3	ACW #01	12-Dec-05	—	—	—	—	—	—	—	—	—	—	—	1,240	—	—	—	—	—	—	—
2007030225-3	ACW #01	05-Mar-07	—	—	—	—	—	—	—	—	—	—	—	569	—	—	—	—	—	—	—
ACW #02A	ACW #02A	06-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #02A	ACW #02A	20-Oct-97	0.2	—	<1	<0.01	—	—	—	12	—	10	—	6,000	—	<0.02	2,200	—	—	—	—
S98-0167	ACW #02A	11-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0455	ACW #02A	19-Oct-98	0.37	—	0.96	<0.0025	—	—	—	12	—	12	—	6,400	—	<0.05	2,400	1500	860	<25	11
M99-0013	ACW #02A	12-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0181	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
M00-0078	ACW #02A	08-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0215	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
M01-0136	ACW #02A	02-May-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0468	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
2002040220-11	ACW #02A	30-Apr-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-4	ACW #02A	03-Nov-02	0.81	—	<2.0	<0.010	—	—	—	25	—	36	—	5,800	—	—	3,500	1,300	2,200	<2.0	<13
2003101363-11	ACW #02A	04-Nov-03	—	—	—	—	—	—	—	—	—	—	—	4,160	—	—	—	—	—	—	—
2003101363-12	ACW #02A-D	04-Nov-03	—	—	—	—	—	—	—	—	—	—	—	4,280	—	—	—	—	—	—	—
2004111601-4	ACW #02A	09-Nov-04	—	—	—	—	—	—	—	—	—	—	—	3,950	—	—	—	—	—	—	—
2005121523-4	ACW #02A	12-Dec-05	—	—	—	—	—	—	—	—	—	—	—	5,570	—	—	—	—	—	—	—
2007030225-4	ACW #02A	05-Mar-07	—	—	—	—	—	—	—	—	—	—	—	4,270	—	—	—	—	—	—	—
ACW #03	ACW #03	06-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #03	ACW #03	20-Oct-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0157	ACW #03	11-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0456	ACW #03	19-Oct-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0011	ACW #03	12-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0185	ACW #03	19-Oct-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0077	ACW #03	08-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0217	ACW #03	26-Oct-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0132	ACW #03	01-May-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0474	ACW #03	23-Oct-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-13	ACW #03	30-Apr-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-3	ACW #03	03-Nov-02	10	—	98	0.48	—	—	—	28	—	55	—	4,200	—	—	960	960	<2.0	<2.0	960
2003101363-3	ACW #03	03-Nov-03	—	—	—	—	—	—	—	—	—	—	—	2,830	—	—	—	—	—	—	—
2004111601-8	ACW #03	09-Nov-04	—	—	—	—	—	—	—	—	—	—	—	2,800	—	—	—	—	—	—	—
2005050596-1	ACW #03	23-May-05	—	—	—	—	—	—	—	—	—	—	—	4,331	—	—	—	—	—	—	—
2005121523-24	ACW #03	14-Dec-05	—	—	—	—	—	—	—	—	—	—	—	4,720	—	—	—	—	—	—	—
2007030225-9	ACW #03	05-Mar-07	—	—	—	—	—	—	—	—	—	—	—	3,840	—	—	—	—	—	—	—

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, µg/l	p-Xylene, µg/l	o-Xylene, µg/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 #04	ACW #04	06-May-97	29	12	<5.0	—	—	—	<10	—	25,000	48,500	—	21,000	21,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
ACW #04	ACW #04	20-Oct-97	170	150	<5.0	—	—	—	110	—	94,000	172,000	7.3	58,000	58,000	2,100	—	33	<0.5	<0.5	—	—	—	—	—	—	—	580	—	—	<0.01	
S98-0168	ACW #04	12-May-98	190	170	60	—	—	—	100	—	99,000	160,000	—	74,000	74,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
S98-0454	ACW #04	19-Oct-98	190	140	49	—	—	—	90	—	83,100	121,000	6.74	56,000	56,000	1,800	17.6	<20	0.51	<0.5	—	—	—	—	—	—	—	610	—	—	<0.0025	
M99-0012	ACW #04	12-May-99	—	—	—	—	—	—	—	—	84,800	131,000	—	45,000	45,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
M99-0184	ACW #04	19-Oct-99	240	160	44	—	—	—	81	—	46,300	95,000	6.95	44,000	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	—	—	—	—	—	—	—	—	72,300	106,000	—	47,000	47,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.005	
M00-0216	ACW #04	26-Oct-00	63	17	41	—	—	—	190	—	16,300	25,600	7.73	10,000	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	—	—	—	—	—	—	—	—	17,400	29,600	—	12,000	12,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
M01-0467	ACW #04	22-Oct-01	12	3	32	—	—	—	100	—	21,400	35,300	7.15	15,000	15,000	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	—	—	—	—	—	—	—	—	24,500	35,600	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2002110896-5	ACW #04	03-Nov-02	84	17	27	34	11	45	—	—	24,000	33,000	7.71 H	11,000	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	—	—	20,900	22,400	6.9	14,200	14,200	21.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
ACW #04	ACW #04	09-Nov-04	189 R	42.9	69.8	—	—	101	—	—	19,700 (20,000)	54,400	7.0	10,800	10,800	—	20.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-5	ACW #04	12-Dec-05	96.6	55.7	76.1	—	—	136	—	—	13,900	25,100	7.7	5,520	5,520	—	18.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2007030225-6	ACW #04	05-Mar-07	110	64	61	73	24	97	—	—	14,200	21,100	7.5	8,600	8,600	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #04D	ACW #04D	05-Mar-07	88	64	47.0	56	18	74	—	—	13,200	—	—	7,730	7,730	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	10-Mar-93	—	—	—	—	—	—	—	—	6,110	10,400	—	2,544	2,544	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	17-Jun-93	—	—	—	—	—	—	—	—	323	4,480	—	1,228	1,228	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	16-Sep-93	—	—	—	—	—	—	—	—	3,064	4,140	—	650	650	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	09-Nov-93	—	—	—	—	—	—	—	—	3,202	4,390	—	720	720	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	21-Apr-94	—	—	—	—	—	—	—	—	3,300	4,131	—	800	800	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	28-Oct-94	—	—	—	—	—	—	—	—	3,112	4,500	—	550	550	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	31-Jan-95	—	—	—	—	—	—	—	—	2,848	4,050	—	499	499	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #05	ACW #05	16-May-95	<5	<10	<5	<5	<5	<5	<15	—	2,800	3,900	7.0	530	530	1,100	—	1.3	<1.0	3.5	—	—	—	—	—	—	270	—	—	<0.025		
ACW #05	ACW #05	27-Jun-95	<5	<2.5	<2.5	—	—	<5.0	<5.0	—	2,800	3,800	7.3	800	800	800	—	1.1	<1.0	3.4	—	—	—	—	—	—	270	—	—	<0.025		
ACW #05	ACW #05	30-Aug-95	<5	<10	<5	—	—	<15	<15	—	2,700	3,900	7.0	510	510	890	—	1	<10	<20	—	—	—	—	—	240	—	—	<0.025			
ACW #05	ACW #05	06-Feb-96	<1.0	<1.0	<1.0	—	—	<2.0	<2.0	—	2,200	3,800	7.5	510	510	920	—	0.92	0.12	4.7	—	—	—	—	—	240	—	—	<0.006			
ACW #05	ACW #05	06-Feb-96	<2.5	<2.5	<2.5	—	—	<7.5	<7.5	—	2,745	3,090	7.3	506	506	835	—	<1.25	0.29	4.9	—	—	—	—	—	240	—	—	<0.1			
ACW #05	ACW #05	08-May-96	<1.0	<1.0	<1.0	—	—	<3.0	<3.0	—	2,460	3,650	7.2	519	519	653	—	4.5	0.42	5	—	—	—	—	—	167	—	—	0.01			
ACW #05	ACW #05	13-Aug-96	<1.0	1.2	<1.0	—	—	<2.0	<2.0	—	2,300	3,400	7.3	500	500	710	—	1	0.7	5.4	—	—	—	—	—	200	—	—	<0.006			
ACW #05	ACW #05	06-Nov-96	1.1	1.4	1.2	—	—	<2.0	<2.0	—	2,300	3,300	7.5	500	500	710	—	1.2	0.57	<0.05	—	—	—	—	—	180	—	—	<0.007			
ACW #05	ACW #05	07-May-97	0.84	1.2	0.93	—	—	<1.0	<1.0	—	2,000	3,020	—	430	430	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
ACW #05	ACW #05	22-Oct-97	0.9	1.6	0.8	—	—	—	—	—	2,800	3,100	7.7	470	470	320	—	1.7	0.6	6	—	—	—	—	—	—	170	—	—	<0.01		
S98-0183	ACW #05	13-May-98	0.79	1.5	0.77*	—	—	12*	—	—	1,910	2,930	—	440	440	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0470	ACW #05	21-Oct-98	—	—	—	—	—	—	—	—	1,960	2,930	—	450	450	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0020	ACW #05	13-May-99	—	—	—	—	—	—	—	—	1,960	3,190	—	450	450	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M99-0196	ACW #05	21-Oct-99	<2	2.7	<2	—	—	<4	<4	—	1,890	3,250	7.23	1,000	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	—	—	—	—	—	—	—	—	1,960	3,180	—	750	750	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0234	ACW #05	02-Nov-00	<5	<5	<5	—	—	<10	<10	—	1,920	2,650	7.3	860	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	—	—	—	—	—	—	—	—	1,920	3,030	—	540	540	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0481	ACW #05	24-Oct-01	—	—	—	—	—	—	—	—	1,860	3,120	—	590	590	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-17	ACW #05	30-Apr-02	—	—	—	—	—	—	—	—	1,900	3,110	—	570	570	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-20	ACW #05	06-Nov-02	<1.0	<1.0	<1.0	<2.0	<1.0	<3.0	<3.0	—	2,200	3,000	7.26 H	560	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	<6.0	—	1,040	3,000	7.1	613	613	—	22.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-26	ACW #05	12-Nov-04	0.42 J	<1.0	0.51 J	—	—	<2.0	<2.0	—	2,540	3,450	6.6	708	708	—	20.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-13	ACW #05	13-Dec-05	<2.0	<2.0	1.1 J	—	—	<6.0	<6.0	—	2,640	3,820	6.4	771	771	—	20.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-14	ACW #05D	13-Dec-05	<2.0	<2.0	1.2 J	—	—	<6.0	<6.0	—	2,510	—	—	675	675	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-22	ACW #05	07-Mar-07	<1	<1	<1	1.2	<1	<1	1.2	—	3,440	4,170	6.6	978																		

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jai #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	<25	<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	<25	<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	<25	<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	<25	<25	<25	1200
2002040220-12	ACW #04	30-Apr-02	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
200210896-5	ACW #04	03-Nov-02	1.6	---	150	1.2	---	---	---	96	---	37	---	8,400	---	---	560	<2.0	<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	---	---	---	---	---	---	---
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	<25	<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	<25	<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	<2.0	<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	---	---	---	---	---	---	---
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	---	60	---	2,380	---	<0.05	1,396	---	---	---	175
ACW #06	ACW #06	14-Aug-96	4.5	---	23	0.13	---	---	---	3.4	---	40	---	2,900	---	0.024	1,400	---	---	---	310
ACW #06	ACW #06	08-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	---	---	---	---
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

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jai #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
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	--	--	--	--	--	--	--
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	--	--	--	--
ACW #07	ACW #07	13-May-98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S98-0182	ACW #07	21-Oct-98	15	--	91	0.15	--	--	--	4.3	--	23	--	3,100	--	<0.05	830	830	<25	<25	920
S98-0467	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	--	--	--	--	--	--	--
2006081063-8	ACW #07	23-Aug-06	--	--	--	--	--	--	--	--	--	--	--	3,170	--	--	--	--	--	--	--
2007030225-24	ACW #07	07-Mar-07	--	--	--	--	--	--	--	--	--	--	--	3,450	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--
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
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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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, µg/l	p-Xylene, µg/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	
S98-0472	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	<0.005	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	<0.005	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	<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	
2002040220-19	ACW #09	01-May-02	—	—	—	—	—	—	—	—	8,160	—	3,800	2,900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-20	ACW #09D	01-May-02	—	—	—	—	—	—	—	—	7,070	—	3,760	2,500	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-21	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	—	—	—	—
2003101363-23	ACW #09	06-Nov-03	<2.0	<2.0	<2.0	—	—	<6.0	—	—	5,280	6.8	3,830	1,820	—	16.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-17	ACW #09	10-Nov-04	0.82 J	<1.0	<1.0	—	—	<2.0	—	—	8,540	6.5	4,680	2,150	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-19	ACW #09	14-Dec-05	<2.0	<2.0	<2.0	—	—	<6.0	—	—	5,970	6.7	3,100	1,350	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-25	ACW #09	07-Mar-07	<1	<1	<1	<1	<1	<1	—	—	6,060	6.9	4,420	2,210	—	21.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	1,638	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	<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	<1.0	<2.0	—	—	—	—	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	
S98-0187	ACW #10	14-May-98	—	—	—	—	—	—	—	—	2,400	—	1,200	540	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	<0.01
S98-0473	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	—	1,560	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	
ACW #10	ACW #10	06-May-01	—	—	—	—	—	—	—	—	3,660	—	2,360	1,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0158	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	
M01-0487	ACW #10	01-May-02	—	—	—	—	—	—	—	—	3,440	—	1,970	1,000	—	—	—	—	—	—	—	0.0086	—	—	0.27	—	290	—	—	—
2002040220-21	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	—	—	—	—	—	—	—	—	—	—	—
2002110896-25	ACW #10	06-Nov-03	<2.0	<2.0	<2.0	—	—	<6.0	—	—	2,580	6.6	2,160	795	—	18.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2003101363-21	ACW #10	11-Nov-04	0.51 J	<1.0	<1.0	—	—	<2.0	—	—	2,670	6.7	1,990	720	—	19.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-21	ACW #10	14-Dec-05	<2.0	<2.0	<2.0	—	—	<6.0	—	—	3,000	6.9	1,640	638	—	19.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-20	ACW #10	08-Mar-07	<1	<1	<1	<1	<1	<1	—	—	2,860	6.8	2,240	793	—	18.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-27	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	—																											

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
S98-0472	ACW #09	21-Oct-98	0.63	—	400	1.4	—	—	—	25	—	31	—	1,400	—	<0.05	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	<25	<25	3,000	
M00-0100	ACW #09	12-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
M00-009D	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	<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	<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	<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	<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	<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	—	—	—	—	—	—	
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	—	<0.5	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	—	—	—	
ACW #10	ACW #10	14-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
S98-0187	ACW #10	22-Oct-98	0.099	—	110	0.0068	—	—	—	9.0	—	27	—	180	—	<0.05	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	<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	<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	<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	<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	—	—	—	—	—	—	
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	—	880	—	<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	
ACW #11	ACW #11	07-Feb-96	0.36	—	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	—	—	—	
ACW #11	ACW #11	12-May-98	—	—	—	—	—	—	—	—	—	—	—								

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, µg/l	p-Xylene, µg/l	o-Xylene, µg/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	
M00-0227	ACW #11	01-Nov-00	16	<2	<2	<2	<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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0476	ACW #11	23-Oct-01	59	<2	<2	<2	<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	
2002040220-09	ACW #11	29-Apr-02	—	—	—	—	—	—	—	—	—	34,200	—	25,500	15,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
200210896-19	ACW #11	06-Nov-02	13	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	—	—	34,200	6.98 H	9,700	4,520	320	19.5	1.5	<0.40	1.4	—	—	0.0083	—	—	—	—	1,200	<0.010	—	<0.025
2003101363-8	ACW #11	04-Nov-03	2.7	<2.0	<2.0	—	—	—	<6.0	—	—	7,950	6.8	18,300 (14,700)	4,520	—	21.8	—	—	—	—	—	0.0266	—	—	—	—	—	—	—	—
2004111601-14	ACW #11	10-Nov-04	19.3	<1.0	0.53 J	—	—	—	<2.0	—	—	21,200	6.6	17,700	7,950	—	22.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005050586-5	ACW #11	23-May-05	22.2	<2.0	<2.0	—	—	—	<6.0	—	—	22,200	6.6	17,700	8,339	—	20.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-10	ACW #11	13-Dec-05	18.7	<2.0	<2.0	—	—	—	<6.0	—	—	27,000	6.5	10,400	4,580	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-13	ACW #11	06-Mar-07	11	<1	<1	<1	<1	<1	<1	—	—	18,500	6.6	14,500	8,880	—	20.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #12	ACW #12	19-Feb-97	<0.5	<0.5	1.5	—	—	—	<1.0	—	—	1,610	—	950	360	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	84	—	<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	—	—	—	—	—	—	—	91	—	<0.01	
ACW #12	ACW #12	23-Oct-97	1.4	0.58	<0.5	—	—	—	<1.0	—	—	1,810	7.5	850	360	120	—	1	1	0.34	—	—	—	—	—	—	—	150	—	<0.01	
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	—	—	—
S98-0059	ACW #12	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	—	—	—
S98-0188	ACW #12	01-Jun-98	<0.50	1.2	<0.50	—	—	—	<1.0	—	—	2,000	7.5	1,500	—	—	—	—	—	—	—	—	—	—	—	—	—	210	—	—	—
ACW #12D	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	—	—	—	—
ACW #12	ACW #12	11-Aug-98	2	<2	<2	<2	<2	<2	<6	—	—	1,790	7.61	1,240	440	130	19.8	<2	1.3	1.4	<2.5	—	—	—	—	—	180	—	—	—	—
S98-0295	ACW #12D	11-Aug-98	2	<2	<2	<2	<2	<2	<6	—	—	2,020	7.51	1,300	520	140	19.3	<1	1.1	<2.5	—	—	—	—	—	—	180	—	—	—	—
ACW #12	ACW #12	22-Oct-98	6	<2	<2	<2	<2	<2	<6	—	—	2,280	7.39	1,520	610	170	20.0	<2	0.99	0.44	—	—	—	—	—	—	210	—	<0.0025	<0.0025	
S98-0083	ACW #12	22-Oct-98	6	<2	<2	<2	<2	<2	<6	—	—	2,310	7.36	1,690	600	170	20.1	<2	0.90	0.51	—	—	—	—	—	—	200	—	<0.0025	<0.0025	
S98-0084	ACW #12	23-Feb-99	6	<2	<2	<2	<2	<2	<6	—	—	2,020	7.68	1,240	500	120	12.3	<2	1.2	0.18	—	—	—	—	—	—	200	—	—	—	—
S99-0024	ACW #12D	23-Feb-99	5	<2	<2	<2	<2	<2	<6	—	—	2,050	7.67	1,280	480	140	12.8	<2	1.1	0.23	—	—	—	—	—	—	190	—	—	—	—
M99-0026	ACW #12	14-May-99	4	<2	<2	<2	<2	<2	<6	—	<0.25	2,390	7.47	1,410	500	120	23.8	<2	0.86	0.14	—	—	—	—	—	—	210	—	0.0063	—	—
M99-0087	ACW #12	11-Aug-99	5.3	<2	<2	<2	<2	<2	<6	—	<0.25	2,350	7.42	1,410	590	150	23.9	<2	0.86	0.18	—	—	—	—	—	—	210	—	0.0044	—	—
M99-0088	ACW #12D	11-Aug-99	5.3	<2	<2	<2	<2	<2	<6	—	—	2,650	7.35	1,750	750	160	21.7	<0.2	0.85	0.45	—	—	—	—	—	—	270	—	—	—	—
M99-0202	ACW #12	22-Oct-99	2.4	<2	<2	<2	<2	<2	<6	—	—	2,630	7.33	1,880	810	160	21.1	<1	0.85	0.53	—	—	—	—	—	—	280	—	—	—	—
M99-0204	ACW #12D	22-Oct-99	4.7	<2	<2	<2	<2	<2	<6	—	—	2,180	7.50	1,620	650	130	19.8	<2	0.98	0.41	—	—	—	—	—	—	220	<0.005	<0.005	<0.0025	
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	—	0.034	0.0094	0.13	0.26	<0.002	220	<0.005	<0.005	<0.0025	
M00-0024	ACW #12	22-Feb-00	<2	<2	<2	<2	<2	<2	<6	—	—	1,950	7.38	1,260	680	130	16.4	<1.0	1.1	<0.5	—	0.031	0.0084	0.13	0.26	<0.002	230	<0.005	<0.005	<0.0025	
M00-0098	ACW #12	11-May-00	<5	<5	<5	<5	<5	<5	<10	—	—	1,590	7.88	989	470	100	18.5	0.47	1.2	0.15	—	—	—	—	—	—	150	—	—	—	—
M00-0197	ACW #12	07-Aug-00	<2	<2	<2	<2	<2	<2	<4	—	—	1,800	7.63	1,270	460	110	25.4	0.47	1.1	0.087	—	—	—	—	—	—	140	—	—	—	—
M00-0240	ACW #12	03-Nov-00	<2	<2	<2	<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	—	0.0059	—
M01-0011	ACW #12	20-Feb-01	<2	<2	<2	<2	<2	<2	<4	<5	—	2,230	7.44 H	1,210	670	140	21.5	0.74	0.88	0.28	—	—	—	—	—	—	190	—	—	—	—
M01-0145	ACW #12	03-May-01	2.4	<2	<2	<2	<2	<2	<2	<5	—	2,100	7.4	1,060	570	110	22.2	1.4	1.00	<1	—	—	—	—	—	—	160	—	—	—	—
M01-0146	ACW #12D	03-May-01	2.1	<2	<2	<2	<2	<2	<2	<5	—	2,120	7.44	1,150	510	110	22.5	1.3	0.97	<1	—	—	—	—	—	—	160	—	—	—	—
M01-0405	ACW #12	01-Aug-01	<2	<2	<2	<2	<2	<2	<2	—	—	2,080	7.34	1,290	490	120	24.6	<2	0.97	<1	—	—	—	—	—	—	180	—	—	—	—
M01-0486	ACW #12	25-Oct-01	<2	<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	—
M02-0046	ACW #12	20-Feb-02	—	<2	<2	<2	<2	<2	<6	—	—	2,200	7.27	1,370	720	120	—	<10	0.85	0.24	—	—	—	—	—	—	180	—	—	—	—
M02-0046	ACW #12 R	20-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	<2.0 H	<2.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-22	ACW #12	01-May-02	2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	—	—	2,030	7.43	1,180	490	130	—	<2.0	1.0	<2.0	—	—	—	—	—	—	170	—	—	—	—
2002040220-23	ACW #12D	01-May-02	2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	—	—	1,900	7.48	1,100	440	140	—	<2.0	1.1	<2.0	—	—	—	—	—	—	150	—	—	—	—
200210896-24	ACW #12	07-Nov-02	3.7	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	—	—	1,800	7.61 H	1,300	450	150	—	0.50	1.1	0.64	—	0.0066	—	—	—	—	150	—	—	—	—
2003101363-22	ACW #12	06-Nov-03	1.0 J	<2.0	<2.0	<2.0	<2.0	<2.0	<6.0	—	—	1,605	6.9	1,220	410	—	16.8	—	—	—											

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
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	—	—	—	—	—	—	—
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
S98-0083	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	—	—	—	—	—	—	—
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
M99-0099	ACW #13	11-Aug-99	—	—	16	—	—	—	—	5.0	—	26	—	86	—	<0.05	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

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jai #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, µg/l	p-Xylene, µg/l	o-Xylene, µg/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics	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	
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	2.1	<2.0	—	—	—	<2.0	—	—	680	7.67	389	44	88	—	—	—	—	—	—	—	—	—	—	44	—	—	—	
M02-0047	ACW #13 R	20-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	<2.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52	—	—	—	
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	—	—	—	—	—	—	—	—	—	—	
3	ACW #13	25-Sep-02	<2.0	<2.0	<2.0	—	—	—	<4.0	<5.0	—	807	7.76 H	643	50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
200210896-23	ACW #13	25-Sep-02	<2.0	<2.0	<2.0	—	—	—	<4.0	<5.0	—	789	7.73 H	603	130	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2003030318/T4112-1	ACW #13	07-Nov-02	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<3.0	—	—	740	7.59 H	450	45	140	—	<0.50	1.4	1.6	—	0.010	—	0.23	—	—	53	—	—	—	
2003030551-3	ACW #13	28-Mar-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	772	7.6 H	502	46.8	—	—	—	—	—	—	—	—	—	—	—	49 400	—	—	—	
2003080979-3	ACW #13	19-May-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	747	7.5 H	502	47.0	—	—	—	—	—	—	—	—	—	—	—	52 400	—	—	—	
2003101363-20	ACW #13	19-Aug-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	661	6.89	460	41.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2004020197-6	ACW #13	06-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	759	6.8	490	43.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2004050647-4	ACW #13	26-Feb-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	724	7.0	476	43.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004081157-4	ACW #13	12-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	759	7.0	492	41.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2004111601-20	ACW #13	24-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	660	7.4	496	45.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005020148-4	ACW #13	11-Nov-04	0.50 J	<1.0	<1.0	—	—	—	<2.0	—	—	987	7.2	558	50.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005050586-9	ACW #13	14-Feb-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1,036	7.4	520	61.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005081051-4	ACW #13	24-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	811	7.2	447	32.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-26	ACW #13	22-Aug-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	884	6.8	513	71.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2005121523-27	ACW #13D	15-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	917	6.9	551	172	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2006020147-4	ACW #13	15-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	548	88.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2006050558-4	ACW #13	13-Feb-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	906	7.1	551	93.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2006050558-5	ACW #13D	08-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	922	7.3	508	98.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2006081053-3	ACW #13	08-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	505	94.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2007030225-26	ACW #13	22-Aug-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	967	7.1	568	100	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ACW #14	ACW #14	08-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	971	7.0	586	119	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	
S99-0080	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	—	—	—	—	—	52	—	—	—	0.0026	
M99-0021	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	—	—	—	0.25	—	47	—	—	—	—	
M99-0086	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	—	—	—	—	—	49	—	—	—	0.016	
M99-0197	ACW #14	09-Aug-99	<2	<2	<2	<2	<2	<2	<6	—	—	791	7.89	471	58	120	21.3	0.3	1.6	1.8	—	—	—	—	—	52	—	—	—	<0.0025	
M00-0023	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	
M00-0093	ACW #14	22-Feb-00	<2	<2	<2	—	—	—	<2	—	—	738	7.65	499	53	97	16.1	<1.0	1.6	2.0	—	—	—	—	—	62	—	—	—	—	—
M00-0195	ACW #14	10-May-00	<5	<5	<5	—	—	—	<10	—	—	761	7.66	485	61	110	21.2	0.38	1.5	1.8	—	—	—	—	—	51	—	—	—	—	—
M00-0230	ACW #14	07-Aug-00	<2	<2	<2	—	—	—	<4	—	—	750	7.69	439	65	110	25.4	0.27	1.5	1.8	—	—	<0.1	0.068	0.30	<0.01	65	<0.01	—	<0.005	
M01-0017	ACW #14	01-Nov-00	<2	<2	<2	—	—	—	<4	<5	—	1,630	7.78	1,090	420	120	17.1	<2	1.6	1.4	—	—	—	—	—	47	—	—	—	—	—
M01-0144	ACW #14	21-Feb-01	<2	<2	<2	—	—	—	<4	<5	—	883	7.78 H	517	100	100	21.7	<2	1.6	2.1	—	—	—	—	—	54	—	—	—	—	—
M01-0411	ACW #14	03-May-01	<2	<2	<2	—	—	—	<4	<5	—	809	7.66	499	89	100	22.7	1	1.6	3.7	—	—	—	—	—	47	—	—	—	—	—
M01-0482	ACW #14	02-Aug-01	<2	<2	<2	—	—	—	<2	—	—	771	7.90	476	70	110	22.8	0.42	1.6	1.9	—	—	—	—	—	45	—	—	—	—	—
M02-0042	ACW #14	19-Feb-02	<2	3.1	<2.0	—	—	—	<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	
M02-0042	ACW #14 R	19-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	—	<2.0 H	—	—	759	7.57 H	427	65	87	—	0.38	1.7	1.8	—	—	—	—	—	46	—	—	—	—	—
2002040220-18	ACW #14	30-Apr-02	<2.0	<2.0	<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
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0042	ACW #13	01-May-02	—	—	18	—	—	—	—	5.0	—	33	—	78	—	—	170	170	<25	<25	200
M02-0042	ACW #13	25-Sep-02	—	—	—	—	—	—	—	—	—	—	—	80	—	—	—	—	—	—	—
M02-0042	ACW #13D	25-Sep-02	—	—	—	—	—	—	—	—	—	—	—	83	—	—	—	—	—	—	—
M02-0042	ACW #13	07-Nov-02	0.21	—	19	<0.010	—	—	—	6.6	—	10	—	96	—	—	180	180	<2.0	<2.0	210
M02-0042	ACW #13	28-Mar-03	—	—	—	—	—	—	—	—	—	—	—	57,000	—	—	—	—	—	—	—
M02-0042	ACW #13	19-May-03	—	—	16,200	—	—	—	—	—	—	—	—	69,800	—	—	182	—	—	—	190
M02-0042	ACW #13	19-Aug-03	—	—	17,800	—	—	—	—	—	—	—	—	78,600	—	—	193	—	—	—	204
M02-0042	ACW #13	06-Nov-03	—	—	—	—	—	—	—	—	—	—	—	77,400	—	—	—	—	—	—	—
M02-0042	ACW #13	26-Feb-04	—	—	—	—	—	—	—	—	—	—	—	80,500	—	—	—	—	—	—	—
M02-0042	ACW #13	12-May-04	—	—	—	—	—	—	—	—	—	—	—	76,500	—	—	—	—	—	—	—
M02-0042	ACW #13	24-Aug-04	—	—	—	—	—	—	—	—	—	—	—	77,700	—	—	—	—	—	—	—
M02-0042	ACW #13	11-Nov-04	—	—	—	—	—	—	—	—	—	—	—	79.1	—	—	—	—	—	—	—
M02-0042	ACW #13	14-Feb-05	—	—	—	—	—	—	—	—	—	—	—	78.3	—	—	—	—	—	—	—
M02-0042	ACW #13	24-May-05	—	—	—	—	—	—	—	—	—	—	—	69,600	—	—	—	—	—	—	—
M02-0042	ACW #13	22-Aug-05	—	—	—	—	—	—	—	—	—	—	—	84,600	—	—	—	—	—	—	—
M02-0042	ACW #13	15-Dec-05	—	—	—	—	—	—	—	—	—	—	—	82,900	—	—	—	—	—	—	—
M02-0042	ACW #13	15-Dec-05	—	—	—	—	—	—	—	—	—	—	—	79,200	—	—	—	—	—	—	—
M02-0042	ACW #13D	13-Feb-06	—	—	—	—	—	—	—	—	—	—	—	80,500	—	—	—	—	—	—	—
M02-0042	ACW #13	08-May-06	—	—	—	—	—	—	—	—	—	—	—	63,400	—	—	—	—	—	—	—
M02-0042	ACW #13D	08-May-06	—	—	—	—	—	—	—	—	—	—	—	70,100	—	—	—	—	—	—	—
M02-0042	ACW #13	22-Aug-06	—	—	—	—	—	—	—	—	—	—	—	79,800	—	—	—	—	—	—	—
M02-0042	ACW #13	08-Mar-07	—	—	—	—	—	—	—	—	—	—	—	91.6	—	—	—	—	—	—	—
M02-0042	ACW #14	20-Feb-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0042	ACW #14	07-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0042	ACW #14	20-Aug-97	0.5	—	15	0.03	—	—	—	5	—	20	—	81	—	0.03	150	—	—	—	—
M02-0042	ACW #14	22-Oct-97	0.3	—	16	0.01	—	—	—	5	—	20	—	81	—	<0.02	180	—	—	—	—
M02-0042	ACW #14	24-Feb-98	—	—	16	—	—	—	—	5	—	22	—	87	—	—	180	—	—	—	—
M02-0042	ACW #14	13-May-98	—	—	18	—	—	—	—	6	—	24	—	97	—	—	170	170	—	—	—
M02-0042	ACW #14	11-Aug-98	—	—	16	—	—	—	—	5.5	—	25	—	90	—	—	170	170	<25	<25	190
M02-0042	ACW #14	21-Oct-98	0.20	—	19	0.014	—	—	—	6.2	—	25	—	97	—	<0.05	170	170	<25	<25	210
M02-0042	ACW #14	23-Feb-99	—	—	17	—	—	—	—	6.0	—	25	—	110	—	—	180	180	<25	<25	190
M02-0042	ACW #14	13-May-99	0.17	—	18	0.011	—	—	—	5.7	—	28	—	95	—	<0.05	170	170	<25	<25	200
M02-0042	ACW #14	09-Aug-99	—	—	19	—	—	—	—	5.3	—	24	—	91	—	—	170	170	<25	<25	210
M02-0042	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
M02-0042	ACW #14	22-Feb-00	—	—	22	—	—	—	—	5.4	—	46	—	97	—	—	160	160	<25	<25	250
M02-0042	ACW #14	10-May-00	—	—	19	—	—	—	—	6.0	—	34	—	110	—	—	170	170	<25	<25	200
M02-0042	ACW #14	07-Aug-00	—	—	18	—	—	—	—	6.6	—	39	—	95	—	—	170	170	<25	<25	200
M02-0042	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
M02-0042	ACW #14	21-Feb-01	—	—	18	—	—	—	—	7.2	—	33	—	110	—	—	170	170	<25	<25	190
M02-0042	ACW #14	03-May-01	—	—	20	—	—	—	—	6.8	—	35	—	100	—	—	160	160	<25	<25	220
M02-0042	ACW #14	02-Aug-01	—	—	17	—	—	—	—	5.8	—	35	—	89	—	—	160	160	<25	<25	180
M02-0042	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
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0042	ACW #14	30-Apr-02	—	—	21	—	—	—	—	6.3	—	31	—	90	—	—	180	180	<25	<25	230
M02-0042	ACW #14	25-Sep-02	—	—	—	—	—	—	—	—	—	—	—	81	—	—	—	—	—	—	—
M02-0042	ACW #14	04-Nov-02	0.38	—	22	0.018	—	—	—	7.6	—	50	—	97	—	—	180	180	<2.0	<2.0	240
M02-0042	ACW #14D	01-Nov-02	0.40	—	23	0.018	—	—	—	7.7	—	51	—	99	—	—	180	180	<2.0	<2.0	240
M02-0042	ACW #14	26-Mar-03	—	—	20,800	—	—	—	—	—	—	—	—	62,200	—	—	—	—	—	—	—
M02-0042	ACW #14	20-May-03	—	—	20,100	—	—	—	—	—	—	—	—	77,800	—	—	186	—	—	—	224
M02-0042	ACW #14D	20-May-03	—	—	20,300	—	—	—	—	—	—	—	—	75,600	—	—	195	—	—	—	216
M02-0042	ACW #14	20-Aug-03	—	—	20,300	—	—	—	—	—	—	—	—	88,400	—	—	197	—	—	—	216
M02-0042	ACW #14D	20-Aug-03	—	—	20,300	—	—	—	—	—	—	—	—	88,900	—	—	198	—	—	—	216
M02-0042	ACW #14	05-Nov-03	—	—	—	—	—	—	—	—	—	—	—	87,500	—	—	—	—	—	—	—
M02-0042	ACW #14	26-Feb-04	—	—	—	—	—	—	—	—	—	—	—	89,800	—	—	—	—	—	—	—
M02-0042	ACW #14D	26-Feb-04	—	—	—	—	—	—	—	—	—	—	—	89,100	—	—	—	—	—	—	—
M02-0042	ACW #14	12-May-04	—	—	—	—	—	—	—	—	—	—	—	87,300	—	—	—	—	—	—	—
M02-0042	ACW #14	24-Aug-04	—	—	—	—	—	—	—	—	—	—	—	85,500	—	—	—	—	—	—	—
M02-0042	ACW #14	12-Nov-04	—	—	—	—	—	—	—	—	—	—	—	88.7	—	—	—	—	—	—	—
M02-0042	ACW #14	14-Feb-05	—	—	—	—	—	—	—	—	—	—	—	88.0	—	—	—	—	—	—	—
M02-0042	ACW #14D	14-Feb-05	—	—	—	—	—	—	—	—	—	—	—	82.9	—	—	—	—	—	—	—
M02-0042	ACW #14	24-May-05	—	—	—	—	—	—	—	—	—	—	—	82,000	—	—	—	—	—	—	—
M02-0042	ACW #14	22-Aug-05	—	—	—	—	—	—	—	—	—	—	—	87,400	—	—	—	—	—	—	—

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	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
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	—	—	—	—	—	—	—
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	<25	<25	<25	250
M00-0026	ACW #15	23-Feb-00	—	—	15	—	—	—	—	5.7	—	27	—	81	—	—	170	<25	<25	<25	220
M00-0027	ACW #15D	23-Feb-00	—	—	15	—	—	—	—	5.8	—	24	—	82	—	—	180	<25	<25	<25	210
M00-0095	ACW #15	11-May-00	—	—	14	—	—	—	—	4.9	—	29	—	76	—	—	170	<25	<25	<25	170
M00-0200	ACW #15	08-Aug-00	—	—	14	—	—	—	—	9.1	—	34	—	77	—	—	170	<25	<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	<25	<25	<25	210
M01-0014	ACW #15	20-Feb-01	—	—	14	—	—	—	—	8.6	—	31	—	100	—	—	160	<25	<25	<25	160
M01-0015	ACW #15D	20-Feb-01	—	—	13	—	—	—	—	7.5	—	31	—	96	—	—	180	<25	<25	<25	150
M01-0160	ACW #15	07-May-01	—	—	14	—	—	—	—	5.8	—	32	—	80	—	—	180	<25	<25	<25	160
M01-0161	ACW #15D	07-May-01	—	—	14	—	—	—	—	6.2	—	32	—	81	—	—	180	<25	<25	<25	160
M01-0410	ACW #15	02-Aug-01	—	—	13	—	—	—	—	9.2	—	35	—	76	—	—	170	<25	<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	<25	<25	<25	150
M02-0043	ACW #15	19-Feb-02	—	—	12	—	—	—	—	18	—	18	—	74	—	—	170	<25	<25	<25	140
M02-0043	ACW #15 R	19-Feb-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0044	ACW #15D	19-Feb-02	—	—	15	—	—	—	—	9.6	—	18	—	49	—	—	160	<25	<25	<25	190
M02-0044	ACW #15D R	19-Feb-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
200240220-27	ACW #15	02-May-02	—	—	15	—	—	—	—	5.8	—	33	—	77	—	—	180	<25	<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	<2.0	<2.0	<2.0	180
2002110896-27	ACW #15D	08-Nov-02	0.15	—	15	<0.010	—	—	—	5.9	—	53	—	81	—	—	180	<2.0	<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	28-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	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—
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

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, µg/l	p-Xylene, µg/l	o-Xylene, µg/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, µg/l	Specific Conductance, µmho/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		
2003101363-13	ENSR #1	04-Nov-03	13.1	1.2 J	3.1	—	—	—	3.1 J	—	—	6,510	7.1	2,260	2,600	—	21.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2004111601-11	ENSR #1	10-Nov-04	10.8	1.1	2.8	—	—	—	2.0	—	—	5,800	7.1	3,900	1,920	—	20.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2004111601-12	ENSR #1D	10-Nov-04	11.4 R	1.3	2.4	—	—	—	1.7 J	—	—	—	—	3,150	1,420	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2005121523-9	ENSR #1	13-Dec-05	9.9	<2.0	2.2	—	—	—	<6.0	—	—	5,530	7.2	2,740	1,120	—	19.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2007030225-10	ENSR #1	06-Mar-07	7.4	<1	2.5	2.4	—	<1	4.860	—	—	4,860	7.3	4,010	2,230	—	16.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
ENSR #2	ENSR #2	06-May-97	250	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
M00-0080	ENSR #2	19-Oct-99	—	—	—	—	—	—	—	—	—	28,900	—	16,600	9,400	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
M01-0495	ENSR #2	09-May-00	—	—	—	—	—	—	—	—	—	42,900	—	26,700	18,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2004111601-6	ENSR #2	29-Oct-01	—	—	—	—	—	—	—	—	—	42,000	—	25,100	13,000	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2005121523-23	ENSR #2	09-Nov-04	72.1 R	28.4	18.1	—	—	—	93.8	—	—	35,500	9.1	22,500	12,900	—	21.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2007030225-8	ENSR #2	14-Dec-05	49.4	53.4	21.5	—	—	—	32.9	—	—	34,400	9.3	20,600	10,400	—	18.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
ENSR #3	ENSR #3	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
ENSR #3D	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	540	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
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	—	—	—	—	—	—	—	—	—	2,480	—	1,240	640	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M01-0138	ENSR #3	02-May-01	—	—	—	—	—	—	—	—	—	2,480	—	1,270	680	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	2.2	25	<5.0	—	25	—	—	2,100	7.09 H	1,400	520	45	—	2.3	1.2	H	—	—	—	—	—	—	—	—	—	—	—	—
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	<1	18	—	—	2,150	6.6	1,460	536	—	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0186	Oxy Production Well	13-May-98	<0.50	<0.50	<0.50	—	—	<1.0	<1.0	—	—	800	7.8	480	120	61	—	<2	1.1	0.93	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—
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	<2	<2	<6	—	—	810	7.99	407	120	45	14.5	0.5	1.0	0.71	—	—	—	—	—	—	—	—	—	—	—	—
M99-0025	Oxy Production Well	13-May-99	<2	<2	<2	<2	<2	<2	<2	—	—	808	7.91	468	120	59	23.6	0.6	0.96	0.27	—	—	—	—	—	—	—	—	—	—	—	<0.0025
M99-0093	Oxy Production Well	11-Aug-99	<2	<2	<2	<2	<2	<2	<2	—	—	831	7.67	466	140	59	20.5	0.5	1.0	0.78	—	—	—	—	—	—	—	—	—	—	—	—
M99-0203	Oxy Production Well	22-Oct-99	<2	<2	<2	<2	<2	<2	<4	—	—	788	7.86	490	130	56	19.2	0.53	1.0	0.41	<0.025	0.011	—	—	—	—	—	—	—	—	—	—
M00-0025	Oxy Production Well	23-Feb-00	<2	<2	<2	<2	<2	<2	<4	—	—	630	7.85	392	38	77	17.6	<1.0	1.1	1.2	<0.005	0.011	—	—	—	—	—	—	—	—	—	—
M00-0097	Oxy Production Well	11-May-00	<5	<5	<5	<5	<5	<5	<10	—	—	835	7.96	504	120	63	19.6	0.50	0.99</													

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	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
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	—	—	—	—	—	—	—
ENSR #2	ENSR #2	06-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #2	ENSR #2	20-Oct-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #2	ENSR #2	12-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #2	ENSR #2	19-Oct-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #2	ENSR #2	11-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #2	ENSR #2	19-Oct-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #2	ENSR #2	09-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #2	ENSR #2	29-Oct-01	—	—	—	—	—	—	—	—	—	—	—	7,840	—	—	—	—	—	—	—
2004111601-6	ENSR #2	09-Nov-04	—	—	—	—	—	—	—	—	—	—	—	7,810	—	—	—	—	—	—	—
2005121523-23	ENSR #2	14-Dec-05	—	—	—	—	—	—	—	—	—	—	—	7,840	—	—	—	—	—	—	—
2007030225-8	ENSR #2	05-Mar-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3	ENSR #3	07-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3D	ENSR #3D	07-May-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3	ENSR #3	21-Oct-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3	ENSR #3	12-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3D	ENSR #3D	12-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3	ENSR #3	20-Oct-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3D	ENSR #3D	20-Oct-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3	ENSR #3	11-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3D	ENSR #3D	11-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3	ENSR #3	20-Oct-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3D	ENSR #3D	20-Oct-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3	ENSR #3	09-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3D	ENSR #3D	09-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3	ENSR #3	27-Oct-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3	ENSR #3	02-May-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3D	ENSR #3D	02-May-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3	ENSR #3	23-Oct-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ENSR #3	ENSR #3	29-Apr-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-05	ENSR #3D	29-Apr-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-8	ENSR #3	04-Nov-02	4.0	—	65	0.84	—	—	—	9.0	—	56	—	190	—	—	360	<2.0	<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	—	—	—	—	—	—	—
ENSR #3	Oxy Production Well	13-May-98	—	—	20	—	—	—	—	5	—	27	—	65	—	—	150	150	—	—	—
ENSR #3	Oxy Production Well	11-Aug-98	—	—	20	—	—	—	—	5.0	—	28	—	67	—	—	150	<25	<25	<25	260
ENSR #3	Oxy Production Well	20-Oct-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	160	<25	<25	<25	240
ENSR #3	Oxy Production Well	23-Feb-99	—	—	24	—	—	—	—	6.2	—	24	—	82	—	—	160	<25	<25	<25	300
ENSR #3	Oxy Production Well	13-May-99	0.74	—	22	0.015	—	—	—	—	—	32	—	71	—	0.28	150	<25	<25	<25	280
ENSR #3	Oxy Production Well	11-Aug-99	—	—	22.0	—	—	—	—	4.7	—	27	—	72	—	—	140	<25	<25	<25	280
ENSR #3	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	<25	<25	<25	270
ENSR #3	Oxy Production Well	23-Feb-00	—	—	16	—	—	—	—	4.1	—	23	—	71	—	—	190	<25	<25	<25	180
ENSR #3	Oxy Production Well	11-May-00	—	—	21	—	—	—	—	5.0	—	35	—	72	—	—	150	<25	<25	<25	260
ENSR #3	Oxy Production Well	07-Aug-00	—	—	21	—	—	—	—	5.2	—	48	—	68	—	—	150	<25	<25	<25	260
ENSR #3	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	<25	<25	<25	280
ENSR #3	Oxy Production Well	20-Feb-01	—	—	20	—	—	—	—	5.8	—	33	—	68	—	—	140	<25	<25	<25	250
ENSR #3	Oxy Production Well	07-May-01	—	—	20	—	—	—	—	4.8	—	34	—	65	—	—	160	<25	<25	<25	250
ENSR #3	Oxy Production Well	01-Aug-01	—	—	21	—	—	—	—	4.3	—	32	—	66	—	—	150	<25	<25	<25	260
ENSR #3	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	<25	<25	<25	250
ENSR #3	Oxy Production Well	25-Sep-02	—	—	—	—	—	—	—	—	—	—	—	60	—	—	—	—	—	—	—
ENSR #3	Oxy Production Well	06-Nov-02	2.2	—	21	0.086	—	—	—	5.7	—	40	—	73	—	—	150	<2.0	<2.0	<2.0	260
ENSR #3	Oxy Production Well	26-Mar-03	—	—	—	—	—	—	—	—	—	—	—	52,700	—	—	—	—	—	—	—
ENSR #3	Oxy Supply	19-May-03	—	—	18,600	—	—	—	—	—	—	—	—	61,400	—	—	148	—	—	—	238
ENSR #3	Oxy Supply	19-Aug-03	—	—	21,100	—	—	—	—	—	—	—	—	64,200	—	—	173	—	—	—	265
ENSR #3	Oxy Supply	03-Nov-03	—	—	—	—	—	—	—	—	—	—	—	61,800	—	—	—	—	—	—	—
ENSR #3	Oxy Supply	25-Feb-04	—	—	—	—	—	—	—	—	—	—	—	69,800	—	—	—	—	—	—	—
ENSR #3	Oxy Supply	13-May-04	—	—	—	—	—	—	—	—	—	—	—	70,000	—	—	—	—	—	—	—
ENSR #3	Oxy Supply-D	13-May-04	—	—	—	—	—	—	—	—	—	—	—	66,600	—	—	—	—	—	—	—
ENSR #3	Oxy Supply	25-Aug-04	—	—	—	—	—	—	—	—	—	—	—	71,800	—	—	—	—	—	—	—
ENSR #3	Oxy Supply-D	25-Aug-04	—	—	—	—	—	—	—	—	—	—	—	73,300	—	—	—	—	—	—	—
ENSR #3	Oxy Supply	11-Nov-04	—	—	—	—	—	—	—	—	—	—	—	65.6	—	—	—	—	—	—	—

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 - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as CaCO ₃), mg/l
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	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2002110896-30	EPNG #1	08-Nov-02	2.8	--	30	0.12	--	--	8.4	--	--	57	--	91	--	--	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	--	--	--	--	--	--
S98-0057	Production Well Dooms	24-Feb-98	--	--	16	--	--	--	4	--	--	25	--	64	--	--	200	--	--	--
S98-0180	Production Well Dooms	13-May-98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	190	--	--	--
S98-0292	Production Well Dooms	10-Aug-98	--	--	17	--	--	--	4.3	--	27	--	--	71	--	--	200	<25	<25	200
S98-0464	Production Well Dooms	20-Oct-98	0.060	--	17	<0.0025	--	--	4.1	--	29	--	--	69	--	<0.05	190	<25	<25	200
S99-0081	Production Well Dooms	23-Feb-99	--	--	16	--	--	--	4.1	--	26	--	--	72	--	--	190	<25	<25	190
M99-0018	Production Well Dooms	13-May-99	0.14	--	17	0.039	--	--	4.0	--	33	--	--	72	--	0.089	180	<25	<25	200
M99-0092	Production Well Dooms	11-Aug-99	--	--	17	--	--	--	3.8	--	27	--	--	73	--	--	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	<25	<25	200
M00-0022	Production Well Dooms	23-Feb-00	--	--	20	--	--	--	--	4.9	--	12	--	69	--	--	140	<25	<25	250
M00-0094	Production Well Dooms	10-May-00	--	--	15	--	--	--	4.2	--	29	--	--	72	--	--	190	<25	<25	170
M00-0204	Production Well Dooms	14-Aug-00	--	--	16	--	--	--	70	--	30	--	--	4.2	--	--	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	<25	<25	210
M01-0010	Production Well Dooms	20-Feb-01	--	--	15	--	--	--	4.8	--	35	--	--	67	--	--	190	<25	<25	180
M01-0143	Production Well Dooms	03-May-01	--	--	16	--	--	--	3.8	--	34	--	--	73	--	--	180	<25	<25	190
M01-0409	Production Well Dooms	01-Aug-01	--	--	15	--	--	--	5.0	--	26	--	--	66	--	--	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	<25	<25	170
M02-0050	Production Well Dooms	20-Feb-02	--	--	15	--	--	--	3.7	--	40	--	--	65	--	--	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	<25	<25	170
6	Production Well Dooms	25-Sep-02	--	--	--	--	--	--	--	4.4	--	53	--	63	--	--	190	<2.0	<2.0	170
2002110896-17	Production Well Dooms	05-Nov-02	0.27	--	15	<0.010	--	--	--	--	--	--	--	70	--	--	190	<2.0	<2.0	170
2003030318/74096-5	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	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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, µg/l	p-Xylene, µg/l	o-Xylene, µg/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umho/cm	pH, a.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	
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	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
200210896-9	PTP #1	04-Nov-02	50	<10	15	24	<10	<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	18.3	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	---	---	---	---	---	---	---	---	---	---	---	---	---	
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	---	---	---	---	---	---	---	---	---	---	---	---	---	
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	<0.05	---	---	---	---	---	---	<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	21-May-98	<0.50	<0.50	<0.50	---	---	---	<1.0	---	---	24	5.6	<20	<0.2	<1	---	<0.2	<0.1	<0.05	---	---	---	---	---	---	<0.25	---	---	---	
S98-0466	Bailer Blank-Middle Sample	12-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	<0.25	---	---	---	
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	---	---	---	---	---	<0.25	---	<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	<25	<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	965	88	190	21.1	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	<0.0025	---	
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	<0.0025	---	
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	<0.0025	---	
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	---	---	---	---	---	---	<10	---	---	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	<0.5	<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	<0.5	<0.5	<0.01	0.093	---	
M00-0245	Bailer Blank After Sampling	06-Nov-00	<2	<2	<2	---	---	---	<4	---	---	13.40	5.3	55	<0.1	<0.1	16.9	<0.2	<0.4	<0.1	---	<0.1	<0.005	0.13	<0.01	<0.5	<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	---	---	---	---	---	---	<2	---	---	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	<0.4	0.62	---	---	---	---	---	---	<0.5	---	---	---	---	
M01-0404	Bailer Blank Before Sampling	01-Aug-01	<2	<2	<2	---	---	---	<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	---	---	---	<																						

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, 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
M00-0085	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	—	—	—	—	—	—	—	—	—	—	222	—	—	—	—	—	—	—
2007030225-11	PTP #1	06-Mar-07	—	—	—	—	—	—	—	—	—	—	6,010	—	—	—	—	—	—	—
2004111601-10	Injection Well	09-Nov-04	—	—	—	—	—	—	—	—	—	—	8,620	—	—	—	—	—	—	—
2005121523-34	Injection Well	15-Dec-05	—	—	—	—	—	—	—	—	—	—	6,690	—	—	—	—	—	—	—
2007030225-15	Injection Well	06-Mar-07	—	—	—	—	—	—	—	—	—	—	1.1	—	—	<25	<25	<25	<25	1.2
S98-0451	Bailer Blank	19-Oct-98	<0.05	—	<0.25	<0.0025	—	—	—	<1	<0.25	—	<1	—	<0.05	<0.05	<5	—	—	—
S98-0066	Bailer Blank Pre Sample	24-Feb-98	—	—	<1	—	—	—	—	<1	<0.05	—	<1	—	—	<5	<5	—	—	—
S98-0158	Bailer Blank Pre Sample	11-May-98	—	—	—	—	—	—	—	—	—	—	0.68	—	—	<5	<5	—	—	—
S98-0290	Bailer Blank Pre Sample	10-Aug-98	—	—	<0.25	—	—	—	—	<0.25	<10	—	—	—	—	<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	<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
S98-0078	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
M99-0035	Bailer Blank Before Sampling	09-Aug-99	—	—	22	—	—	—	—	5.2	21	—	80	—	—	110	<25	<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	<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	<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	<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	<25	<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	<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	<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	<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	—	—	—	—	—	—	—	<2.0	<1.0	—	—	—	—	<25	<25	<25	<25	<2.0
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	—	—	—	—	—	—	—	—	—	—	<0.50	—	—	<25	<25	<25	<25	<2.0
2202040220-26	Bailer Blank After Sampling Wells	02-May-02	—	—	<0.50	—	—	—	—	<2.0	<1.0	—	<2.0	—	—	<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
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

Table 2 : Summary of Laboratory Analyses of Groundwater Samples
Jai #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, µg/l	p-Xylene, µg/l	o-Xylene, µg/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umh/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		
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	<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	<20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2004050647-2	Bailer Blank	12-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
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	—	—	—	—	<10	<10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2004111601-31	Bailer Blank	12-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	—	—	<10	<10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2005020148-2	Bailer Blank	14-Feb-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2005050586-4	Bailer Blank	23-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2005081051-2	Bailer Blank	22-Aug-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2005121523-2	Bailer Blank	12-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2005121523-16	Bailer Blank	13-Dec-05	1.3 J	3.7	<2.0	—	—	—	<6.0	—	—	—	—	10.0	<10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2005121523-29	Bailer Blank	15-Dec-05	1.0	2.8	<2.0	—	—	—	<6.0	—	—	—	—	11.0	<10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2006020147-2	Bailer Blank	13-Feb-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2006050558-2	Bailer Blank	8-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2006081053-2	Bailer Blank	22-Aug-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2007030225-2	Bailer Blank	5-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2007030225-19	Bailer Blank	7-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2007030225-33	Bailer Blank	8-Mar-07	<1	<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	—	—	—	—	—	—	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	—	—	—	—	—	<0.25	—	—	—	<0.0025		
S98-0179	EMP #3 Pump Blank Middle Sample	12-May-99	<2	<2	<2	<2	<2	<2	<6	—	—	720	7.9	390	87	57	—	<2	1.7	<0.05	—	—	—	—	—	50	—	—	—	—		
S98-0468	EMP #3 Pump Blank Middle Sample	21-Oct-98	3	2	<2	<2	<2	<2	<6	—	—	649	8.23	373	110	48	19.8	2.0	1.5	<0.05	—	—	—	—	—	0.19	—	—	—	—	<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	—	—	—	—	—	47lm	—	—	—	—	—	
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	—	—	—	—	<0.0025	
M99-0015	EMP #3 Middle	12-May-99	—	—	—	—	—	—	—	—	—	609	7.3	379	66	53	—	—	—	—	—	—	—	—	—	—	44	—	—	—	—	0.0060
M99-0028	EMP #3 After Purging	14-May-99	<2	3	<2	<2	<2	<2	<6	—	—	599	8.27	356	66	53	24.0	0.5	1.8	<0.05	—	—	—	—	—	0.21	—	—	—	—	—	
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	1.7	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	—	—	—	—	—	—	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
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	—	—	—	—	—	—	<0.0076	0.053	0.075	0.20	<0.002	<0.002
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	—	—	—	—	—	—	0.0066	0.075	0.20	<0.002	<0.002	<0.002
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	—	—	—	—	—	—	0.0062	0.092	0.20	<0.002	<0.002	<0.002
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	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	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
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	—	—	—	—	—	—	—
S98-0477	EMP #3 Post Purge	22-Oct-98	0.77	—	13	0.050	—	—	—	4.0	—	15	—	75	—	<0.05	130	<25	<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	<25	<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	<25	<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
S98-0079	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	<0.005	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	<0.005	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
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—					

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, µg/l	p-Xylene, µg/l	o-Xylene, µg/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	
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	<1.0	<3.0	—	—	1,000	7.71 H	730	61	270	—	<0.50	2.3	0.88 H	—	—	—	—	—	—	—	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	—	—	0.26	—	—	93	—	—	
2002110896-29	EMP #3 Pump Blank After Purging Wells	08-Nov-02	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<3.0	—	—	950	7.92 H	710	62	270	—	<0.50	2.4	1.7	—	0.0086	—	—	0.24	—	—	100	—	—	
2003030318/7/4096-1	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	640	57.2	—	—	—	—	—	—	—	—	—	—	—	—	79,200	—	—	
2003080979-1	Pump Blank	19-Aug-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	0.20	—	—	—	—	—	—	—	—	—	—	—	—	85,900	—	—	
2003101363-1	Pump Blank	03-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2003101363-15	Pump Blank	05-Nov-03	2.0	1.7 J	2.2	—	—	—	3.1 J	—	—	—	—	666	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	<2.0	0.99 J	<2.0	—	—	—	<6.0	—	—	—	—	636	54.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2007030225-1	Pump Blank	05-Mar-07	<1	<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	<1	—	—	—	—	658	53.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2007030225-32	Pump Blank	08-Mar-07	<5	<5	<5	6.3	<5	<5	<6.3	—	—	—	—	754	49.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
S98-0064	Field Blank	24-Feb-98	<0.50	0.93	<0.50	—	—	—	<1.0	—	—	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	—	—	—	<1.0	—	—	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	—	—		
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	—	—	—		
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		
M00-0031	Field Blank	23-Feb-00	<2	<2	<2	<2	<2	<2	<6	—	—	1	6.04	<15	<0.1	<0.1	17.4	<0.2	<0.4	<0.1	—	<0.025	<0.005	<0.0025	<0.01	<0.002	<0.33	<0.005	<0.005		
M00-0104	Field Blank	12-May-00	<5	<5	<5	—	—	<10	<4	—	—	6	5.47	17	<0.1	<0.1	18.6	<0.2	<0.4	<0.1	—	—	—	—	—	<0.5	<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	<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	—	—	—	<0.005	0.12	<0.01	<0.5	<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	<0.5	—	—	—	
M01-0164	Field Blank	07-May-01	<2	<2	<2	—	—	—	<4	<5	—	577.0	8.19 H	342	84	<2	25.2	0.17	<0.4	0.630	—	—	—	—	—	<0.5	<0.5	—	—	—	
M01-0414	Field Blank	02-Aug-01	<2	<2	<2	<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	<0.5	<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	<0.5	<0.01	<0.005	
M02-0045	Field Blank	20-Feb-02	<2.0	3.1	2.1	—	—	—	9.0	—	—	3.8	5.06 H	<30.0	0.11	<0.10	—	<0.10	<0.40	<0.010	—	—	—	—	—	—	<0.50	<0.50	<0.01	<0.005	
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	—	—	—	<15.0	3.6	0.28	—	<0.10	<0.40	0.12	—	—	—	—	—	—	<0.50	<0.50	<0.01	<0.005	
202040220-26	Field Blank	02-May-02	<2.0	<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
7	EMP #3 Pump Blank After Purging Wells	25-Sep-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-2	EMP #3 Pump Blank Before Purging Wells	03-Nov-02	1.8	—	33	0.15	—	—	—	8.3	—	46	—	77	—	—	180	—	—	—	—
2002110896-14	EMP #3 Pump Blank During Purging Wells	05-Nov-02	1.2	—	33	0.085	—	—	—	5.8	—	48	—	86	—	—	180	<2.0	<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	<2.0	<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	—	—	—	—	—	—	—
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	—	—	—	<0.25	—	<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	<2
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	<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	—	—	<25	<25	<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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0052-03	Field Blank	20-Feb-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	23-May-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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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 µg/l	p-Xylene µg/l	o-Xylene µg/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
	Trip Blank	13-Dec-05	<2.0	<2.0	<2.0	<1	<1	<1	<6.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Trip Blank	15-Dec-05	<2.0	<2.0	<2.0	<1	<1	<1	<6.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Trip Blank	13-Feb-06	<2.0	<2.0	<2.0	<1	<1	<1	<6.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Trip Blank	08-May-06	<2.0	<2.0	<2.0	<1	<1	<1	<6.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Trip Blank	09-May-06	<2.0	<2.0	<2.0	<1	<1	<1	<6.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Trip Blank	22-Aug-06	<2.0	<2.0	<2.0	<1	<1	<1	<6.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Trip Blank	23-Aug-06	<2.0	<2.0	<2.0	<1	<1	<1	<6.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Trip Blank	05-Mar-07	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Trip Blank	06-Mar-07	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Trip Blank	07-Mar-07	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Trip Blank	08-Mar-07	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	Trip Blank	09-Mar-07	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<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
	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	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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 2006 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 (gallons)		Meter Readings		Difference (gallons)		Meter Readings		Difference (gallons)		Meter Readings		Difference (gallons)		Meter Readings		Difference (gallons)	
	Present	Previous			Present	Previous			Present	Previous			Present	Previous			Present	Previous		
	2005 Annual Subtotal		2,333,140		2005 Annual Subtotal		3,493,310		2005 Annual Subtotal		2,241,812		2005 Annual Subtotal		704,320		2005 Annual Subtotal		1,141,993	
Jan-06	2,516,980	2,174,260	342,720		14,967,080	14,928,870	38,210		** 7,714,720	7,538,710	193,267		1,176,590	1,037,380	139,210		870,460	587,710	282,750	
Feb-06	** 2,735,290	2,516,980	308,310		14,991,470	14,967,080	24,390		** 7,871,820	** 7,714,720	188,479		1,304,240	1,176,590	127,650		1,132,300	870,460	261,840	
Mar-06	3,109,340	2,735,290	374,050		14,991,470	14,991,470	0		** 7,997,740	** 7,871,820	249,620		1,441,070	1,304,240	136,830		1,324,880	1,132,300	192,580	
Apr-06	3,448,630	3,109,340	339,290		14,991,470	14,991,470	0		** 8,087,860	** 7,997,740	291,688		1,590,580	1,441,070	149,510		1,561,670	1,324,880	236,790	
May-06	** 3,720,880	3,448,630	302,250		15,020,490	14,991,470	29,020		** 8,095,600	** 8,087,860	263,270		1,729,220	1,590,580	138,640		1,752,140	1,561,670	190,470	
Jun-06	3,997,370	3,720,880	276,490		15,036,510	15,020,490	16,020		** 8,122,950	** 8,095,600	227,248		1,876,000	1,729,220	146,780		1,943,190	1,752,140	191,050	
Jul-06	4,206,480	3,997,370	209,110		15,036,510	15,036,510	0		** 8,297,400	** 8,122,950	208,630		2,024,919	1,876,000	148,919		** 2,148,920	1,943,190	205,730	
Aug-06	4,374,300	4,206,480	167,820		15,174,150	15,036,510	137,640		** 8,473,160	** 8,297,400	175,760		2,159,590	2,024,919	134,671		** 2,174,900	** 2,148,920	139,604	
Sep-06	4,374,300	4,374,300	0		15,535,540	15,174,150	361,390		** 8,546,260	** 8,473,160	194,528		2,305,630	2,159,590	146,040		** 2,174,900	** 2,174,900	129,600	
Oct-06	4,374,300	4,374,300	0		15,869,550	15,535,540	334,010		** 8,546,260	** 8,546,260	103,680		2,490,240	2,305,630	184,610		** 2,174,900	** 2,174,900	123,671	
Nov-06	4,412,780	4,374,300	38,480		16,008,540	15,869,550	138,990		** 8,585,650	** 8,546,260	39,390		2,622,670	2,490,240	132,430		** 2,213,530	** 2,174,900	106,072	
Dec-06	4,422,230	4,412,780	9,450		16,133,970	16,008,540	125,430		** 8,585,650	** 8,585,650	15,460		2,762,480	2,622,670	139,810		2,447,010	2,213,530	233,480	
	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	
													2006 Annual Totals				acre-ft barrels		9,742,827 29.90	
																			231,972	

Notes:

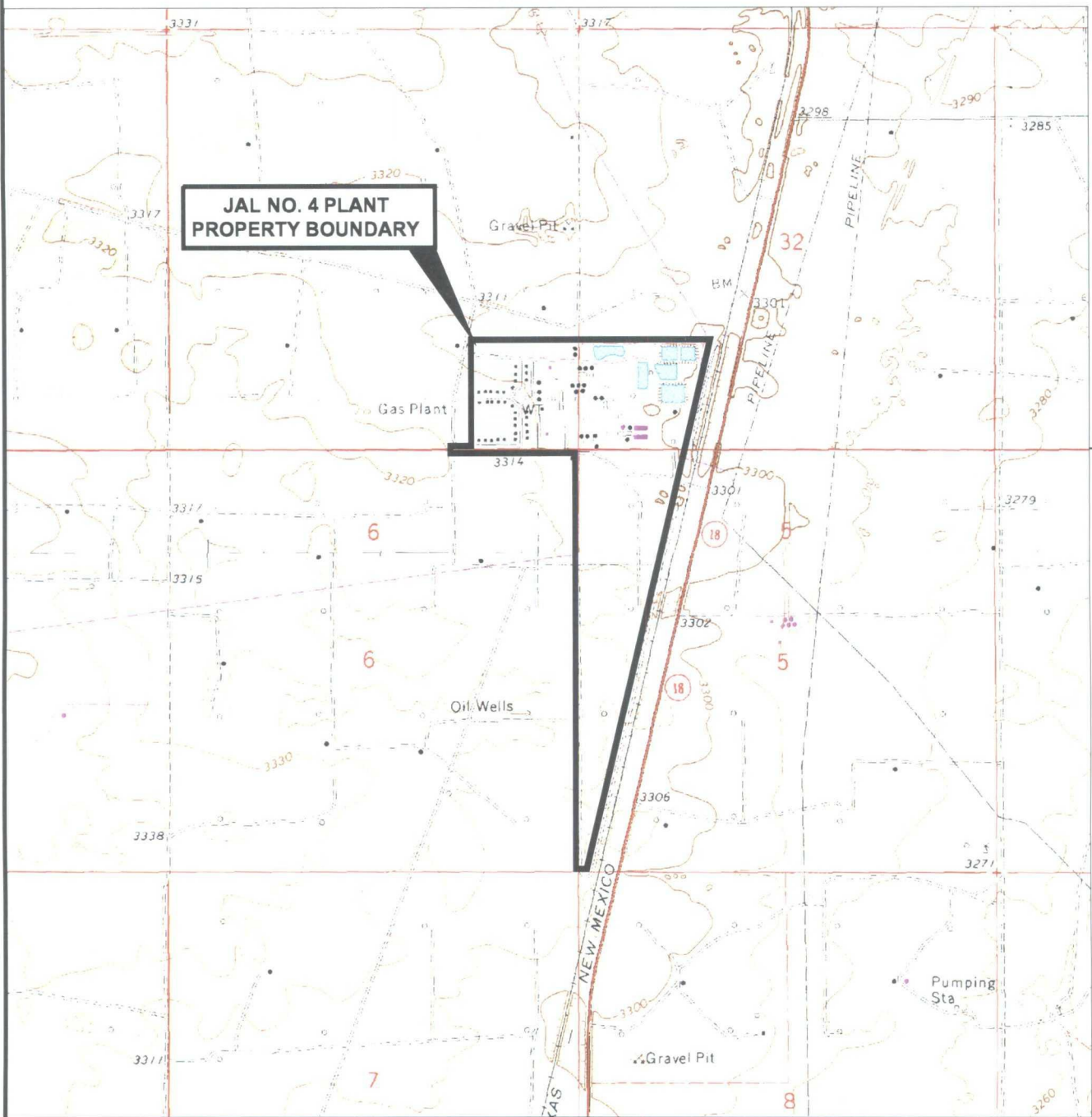
1. Well designations CP-37 through CP-42 Combined-S (RW-1, RW-2 and ENSR #2), CP-37 Comb S-9 (ACW-3) and CP-37 Comb S-8 (ACW-8) denote permit file numbers issued by the New Mexico State Engineer's Office on June 24, 1997 and September 28, 2005.
2. ** : Denotes recovery well meter malfunction. Groundwater recovery totals were taken from the totalizer meter located in the meter house.

FIGURES

R 37 E

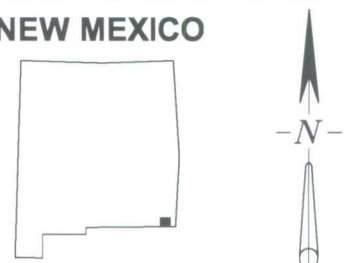
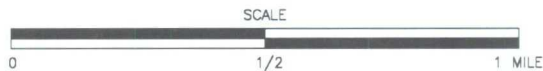
T 2
3 S

T 2
4 S



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

NEW MEXICO



The Benham Companies, LLC
One West Third Street, Suite 100
Tulsa, Oklahoma 74103
(918) 492-1600

www.benham.com

FIGURE TITLE

**PLANT LOCATION AND
TOPOGRAPHIC FEATURES**

DOCUMENT TITLE

**2006 ANNUAL GROUNDWATER
REMEDATION REPORT**

CLIENT

EL PASO NATURAL GAS COMPANY

LOCATION

**JAL #4 PLANT
LEA COUNTY, NEW MEXICO**

DATE 5/9/07

SCALE AS SHOWN

DESIGNED BY BEM

APPROVED BY GHR

DRAWN BY SKG

PROJECT NUMBER

4100417108

FIGURE NUMBER

1

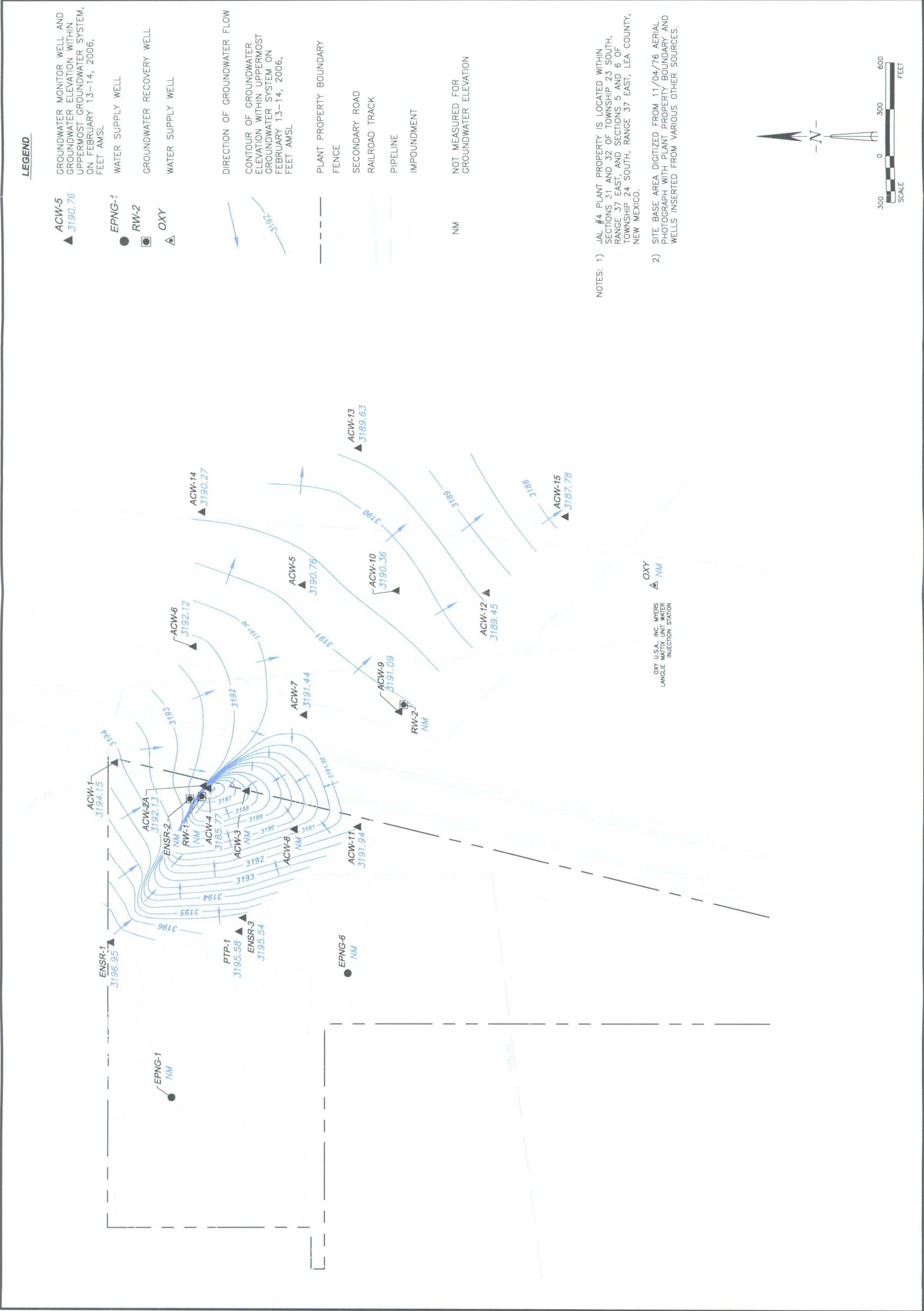


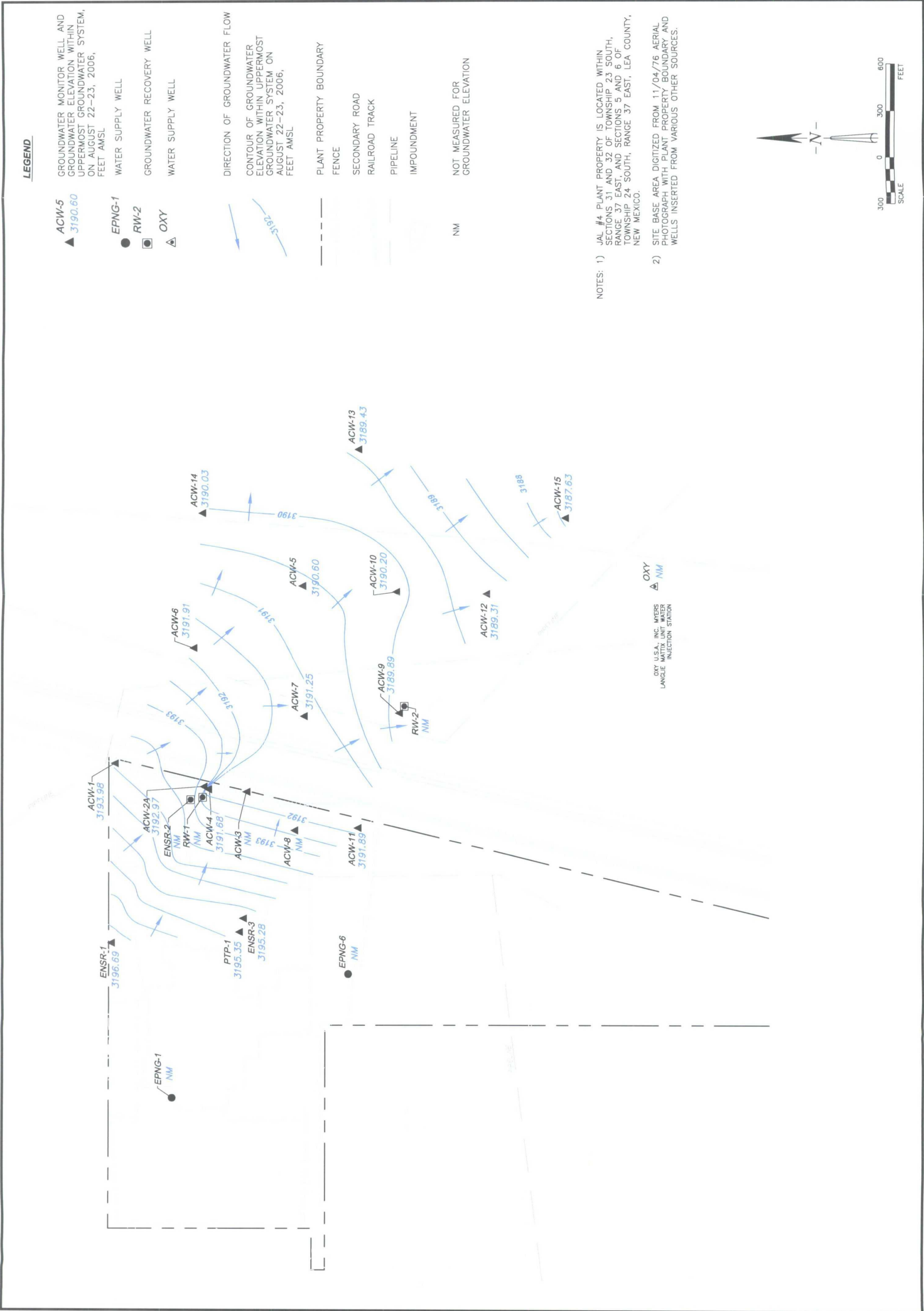
FIGURE TITLE	DOCUMENT TITLE	CLIENT	LOCATION
GROUNDWATER POTENTIOMETRIC SURFACE OF UPPERMOST GROUNDWATER SYSTEM - FEBRUARY 13-14, 2006	2006 ANNUAL GROUNDWATER REMEDIATION REPORT	EL PASO NATURAL GAS COMPANY	JAL #4 GAS PLANT LEA COUNTY, NEW MEXICO

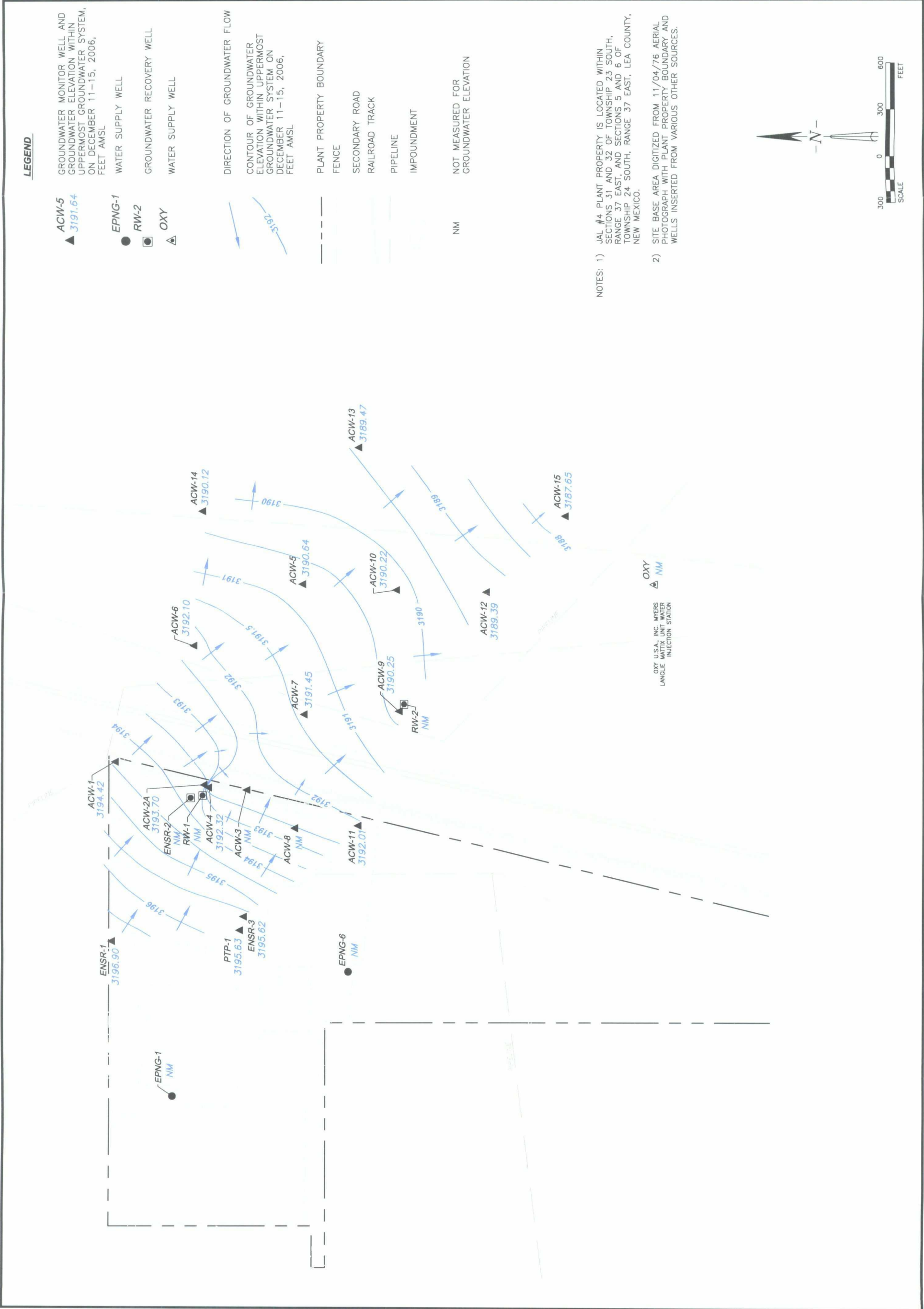
DATE	5/9/07
SCALE	1"=600'
DESIGNED BY	BEM
APPROVED BY	BEM
DRAWN BY	SKG

PROJECT NUMBER	4100417108
FIGURE NUMBER	
	2



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LEGEND

- ▲ ACW-5
3190.64

● EPNG-1

■ RW-2

▲ OXY
- GROUNDWATER MONITOR WELL AND
GROUNDWATER ELEVATION WITHIN
UPPERMOST GROUNDWATER SYSTEM,
ON MARCH 5-8, 2007,
FEET AMSL

WATER SUPPLY WELL

GROUNDWATER RECOVERY WELL

WATER SUPPLY WELL
- 3192

— — — — —

— — — — —

— — — — —

— — — — —

— — — — —

NM
- DIRECTION OF GROUNDWATER FLOW

CONTOUR OF GROUNDWATER
ELEVATION WITHIN UPPERMOST
GROUNDWATER SYSTEM ON
MARCH 5-8, 2007,
FEET AMSL

PLANT PROPERTY BOUNDARY

FENCE

SECONDARY ROAD

RAILROAD TRACK

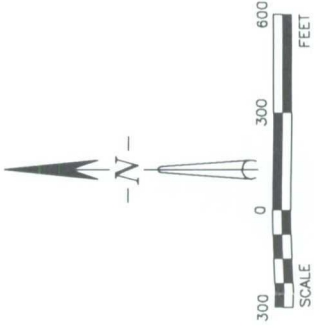
PIPELINE

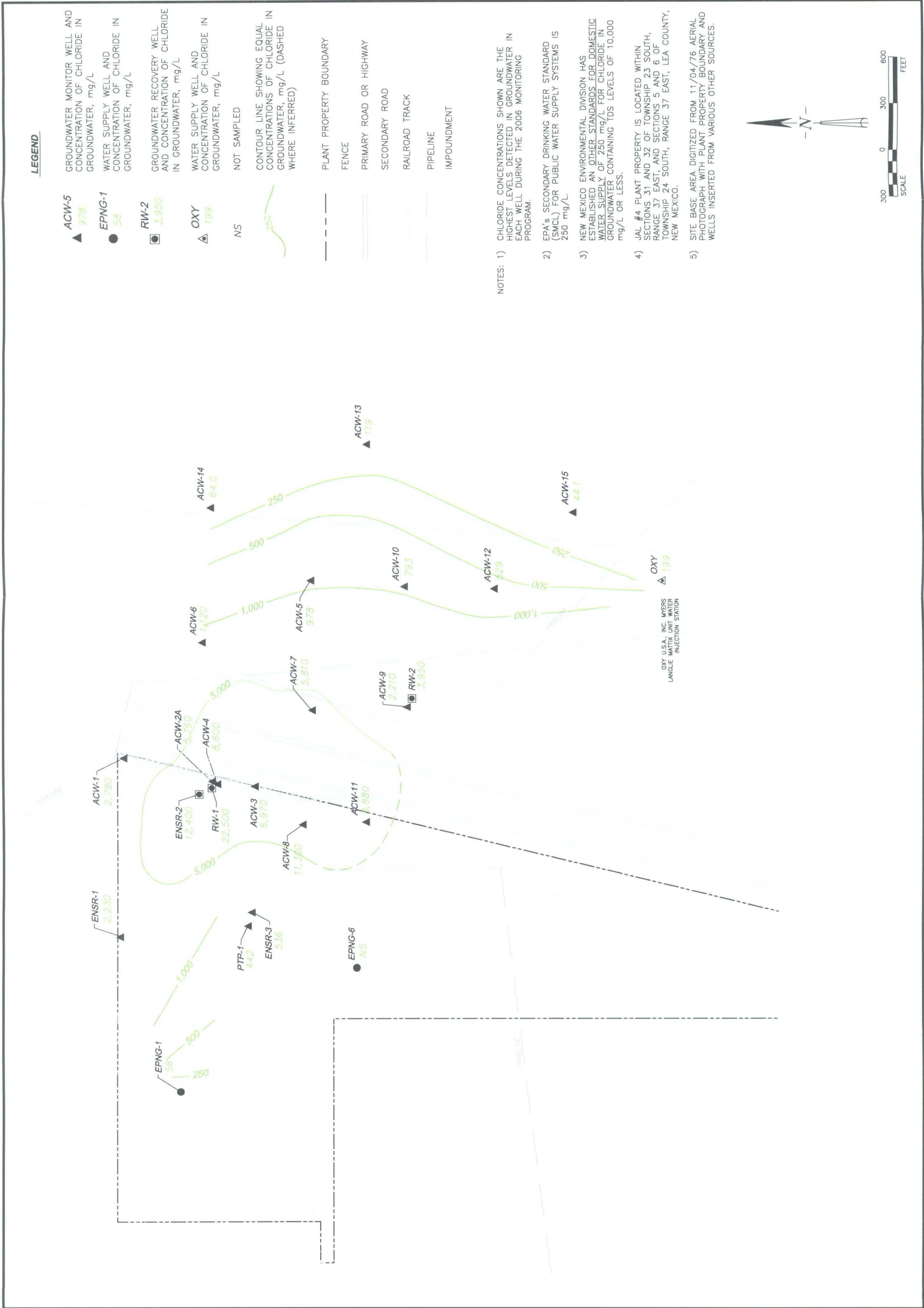
IMPOUNDMENT

NOT MEASURED FOR
GROUNDWATER ELEVATION

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	ISOPLETH OF CHLORIDE CONCENTRATIONS IN GROUNDWATER IN 2006
DOCUMENT TITLE	2006 ANNUAL GROUNDWATER REMEDIATION REPORT
CLIENT	EL PASO NATURAL GAS COMPANY
LOCATION	JAL #4 GAS PLANT LEA COUNTY, NEW MEXICO

DATE	5/9/07
SCALE	1"=600'
DESIGNED BY	BEM
APPROVED BY	BEM
DRAWN BY	SKG

PROJECT NUMBER	4100417108
FIGURE NUMBER	7

FIGURE TITLE	DOCUMENT TITLE	CLIENT	LOCATION
ISOPLETH OF BENZENE CONCENTRATIONS IN GROUNDWATER IN 2006	2006 ANNUAL GROUNDWATER REMEDIATION REPORT	EL PASO NATURAL GAS COMPANY	JAL #4 GAS PLANT LEA COUNTY, NEW MEXICO

DATE	5/9/07
SCALE	1"=600'
DESIGNED BY	BEM
APPROVED BY	BEM
DRAWN BY	SKG

PROJECT NUMBER
4100417108
FIGURE NUMBER
8

LEGEND

- ▲ ACW-5
▲ <1

● EPNG-1
● <1

■ RW-2
■ 4.2

▲ OXY
▲ <1

NS

 10












- GROUNDWATER MONITOR WELL AND
CONCENTRATION OF BENZENE IN
GROUNDWATER, µg/L

WATER SUPPLY WELL AND
CONCENTRATION OF BENZENE IN
GROUNDWATER, µg/L

GROUNDWATER RECOVERY WELL
AND CONCENTRATIONS OF BENZENE
IN GROUNDWATER, µg/L

WATER SUPPLY WELL AND
CONCENTRATION OF BENZENE IN
GROUNDWATER, µg/L

NOT SAMPLED

CONTOUR LINE SHOWING EQUAL
CONCENTRATIONS OF BENZENE IN
GROUNDWATER, µg/L. (DASHED
WHERE INFERRED)

PLANT PROPERTY BOUNDARY

FENCE

PRIMARY ROAD OR HIGHWAY

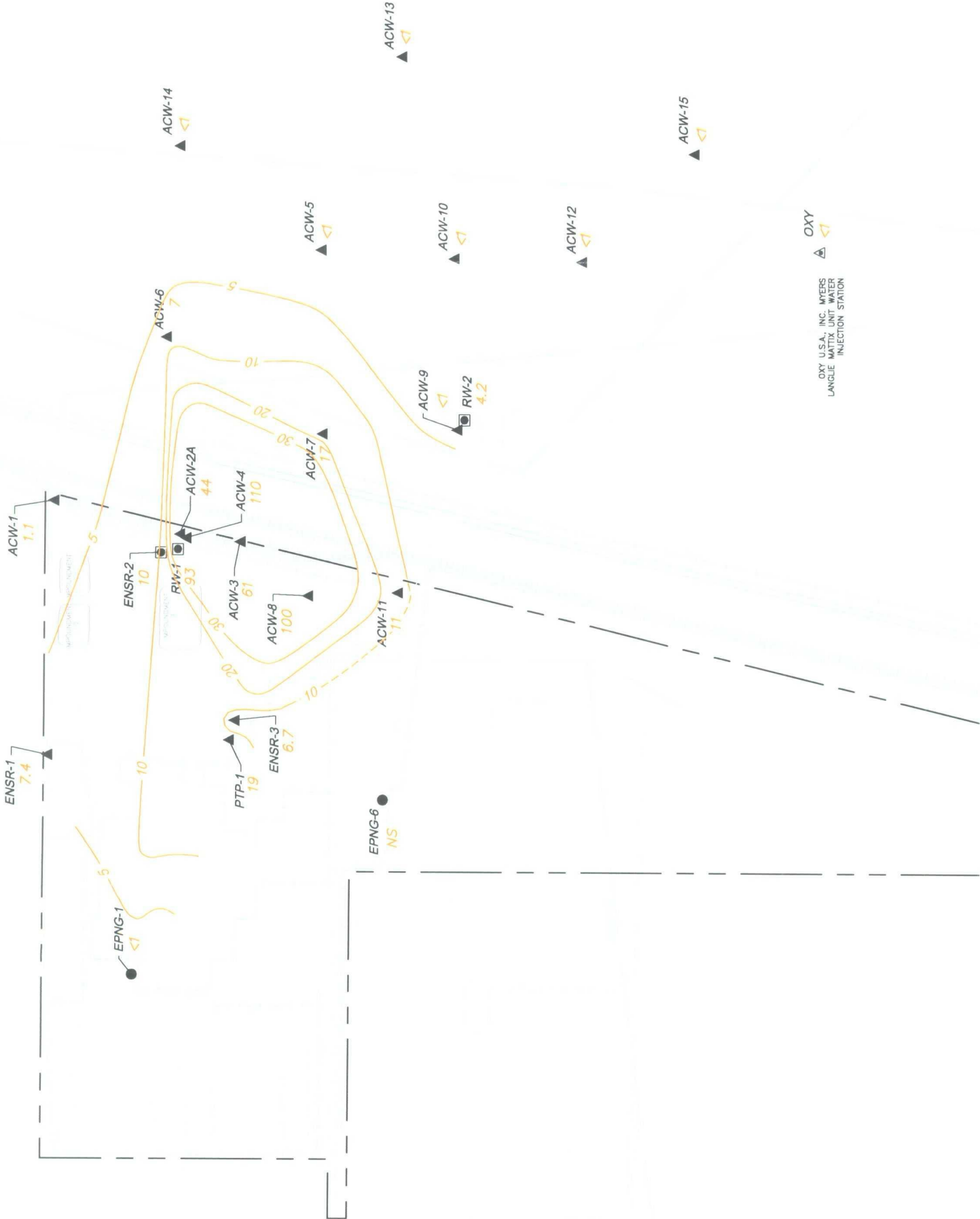
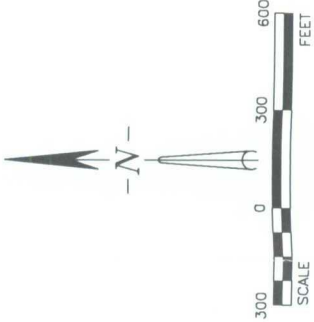
SECONDARY ROAD

RAILROAD TRACK

PIPELINE

IMPOUNDMENT

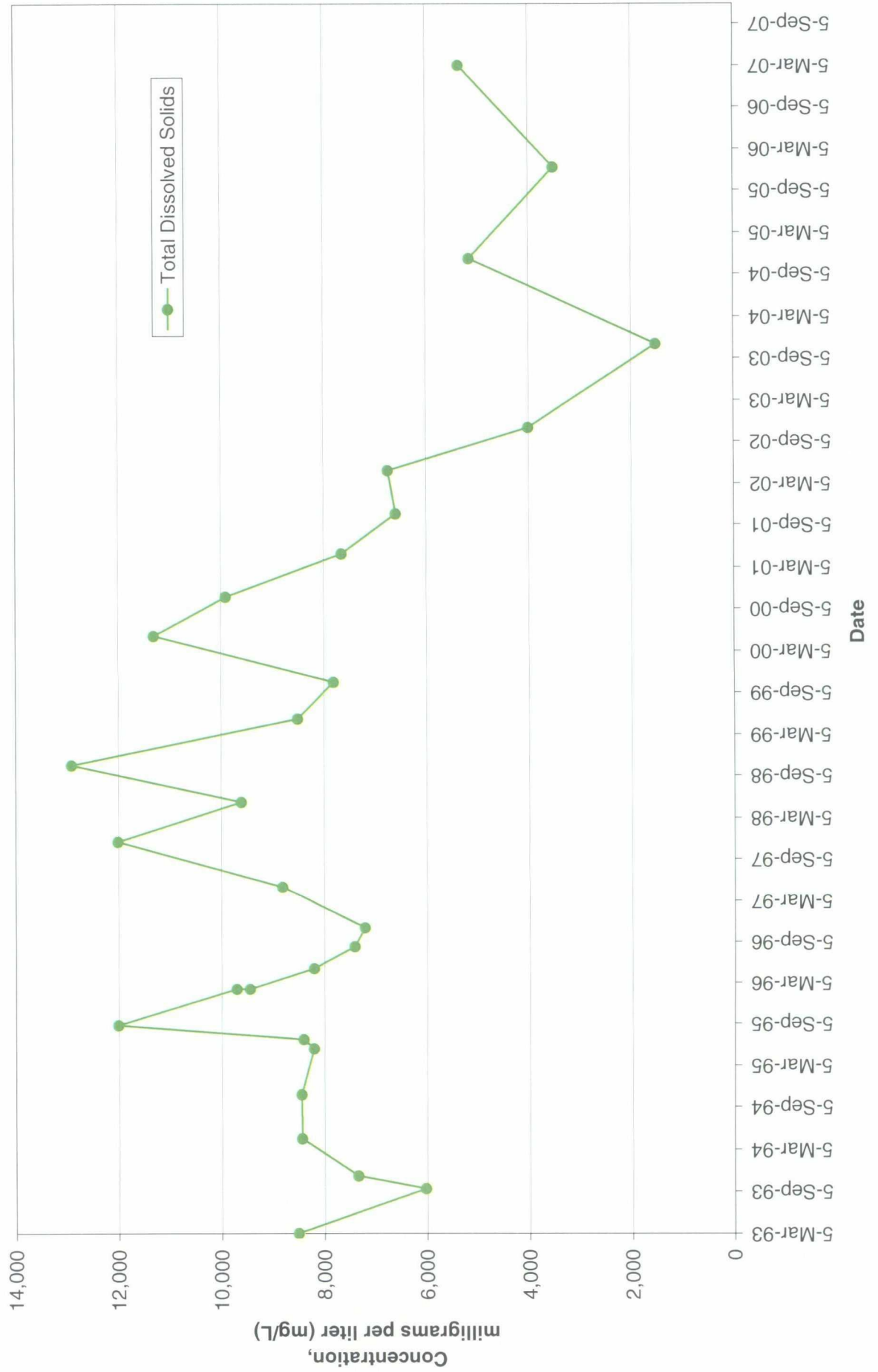
- NOTES: 1) BENZENE CONCENTRATIONS SHOWN ARE THE HIGHEST LEVELS DETECTED IN GROUNDWATER IN EACH WELL DURING THE 2006 MONITORING PROGRAM.
- 2) NEW MEXICO ENVIRONMENTAL DIVISION HAS ESTABLISHED A HUMAN HEALTH STANDARD OF 0.01 mg/L (10 µg/L) FOR BENZENE IN GROUNDWATER.
- 3) EPA'S PRIMARY DRINKING WATER 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.



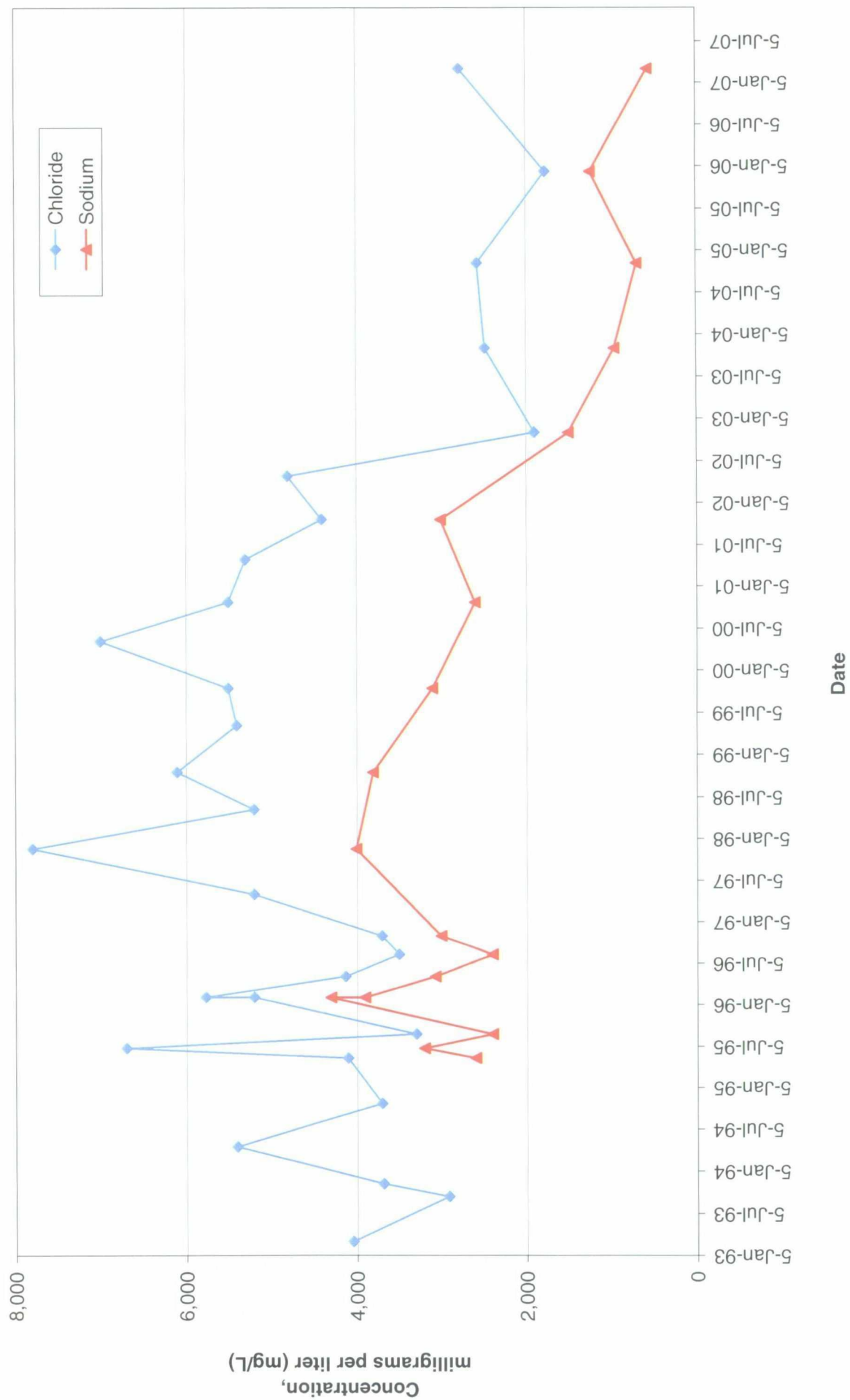
GRAPHS

9

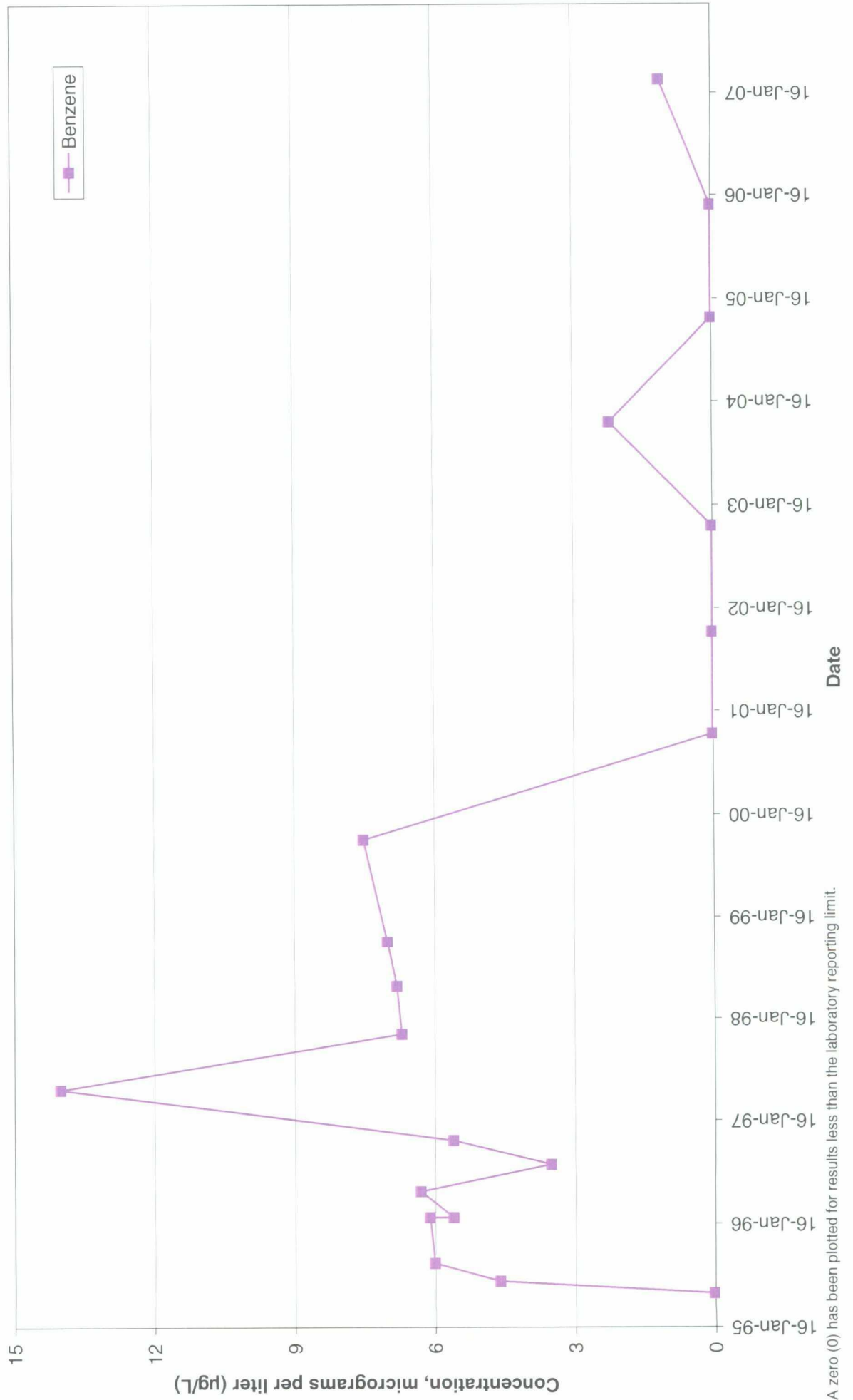
Graph 1 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-01



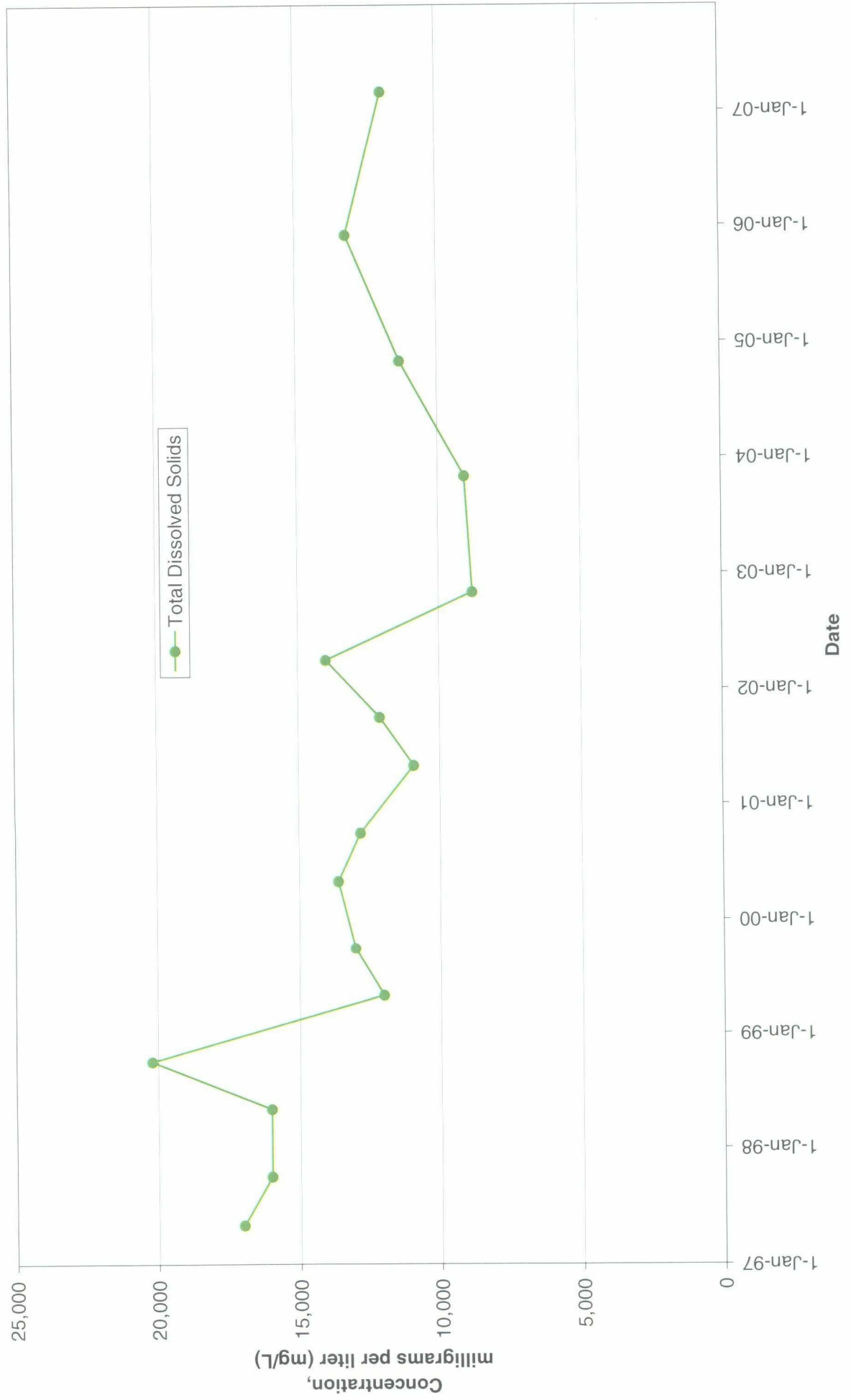
Graph 2 : Concentration Trends of Chloride and Sodium
in Groundwater Samples taken from Monitor Well ACW-01



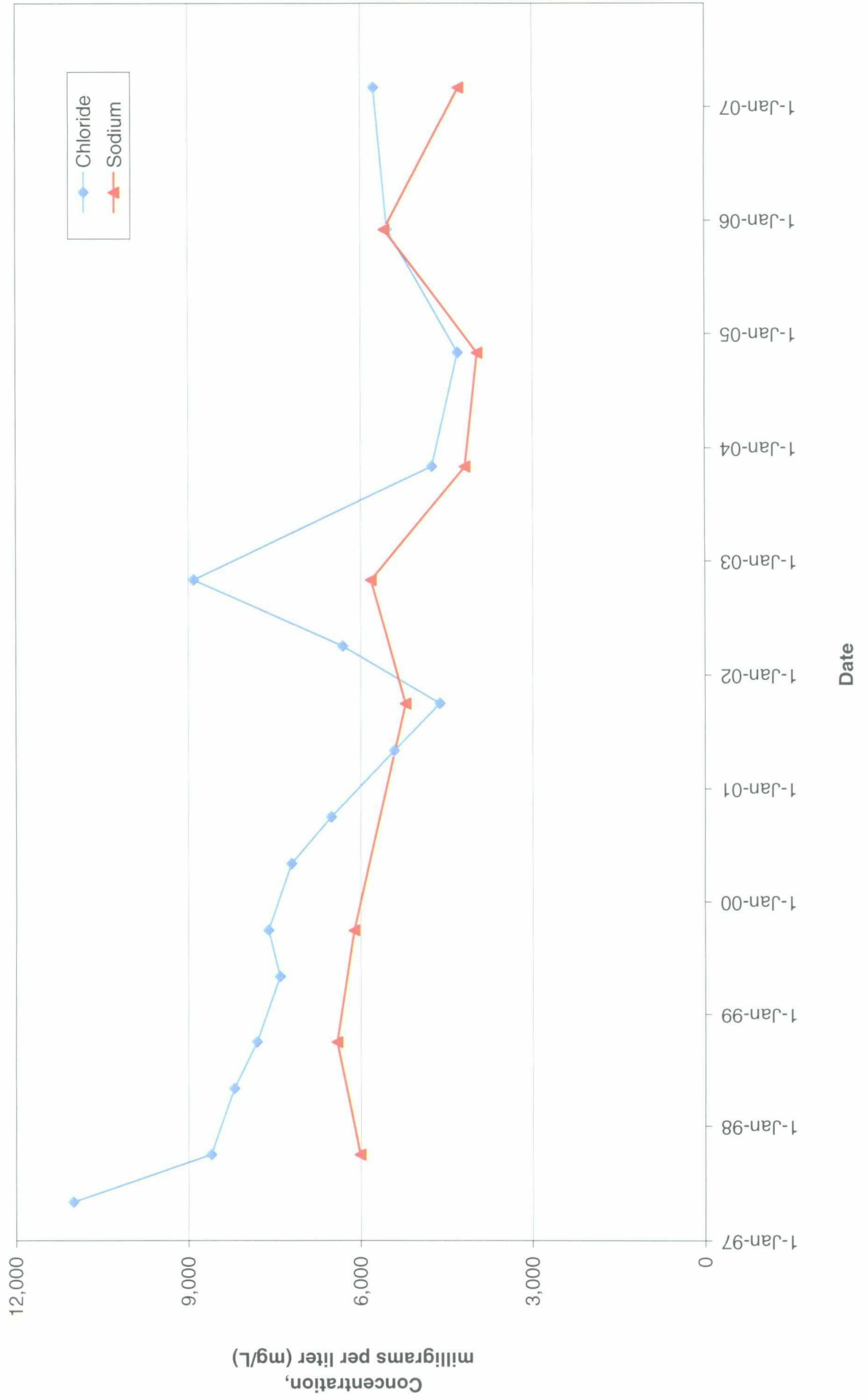
Graph 3 : Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-01



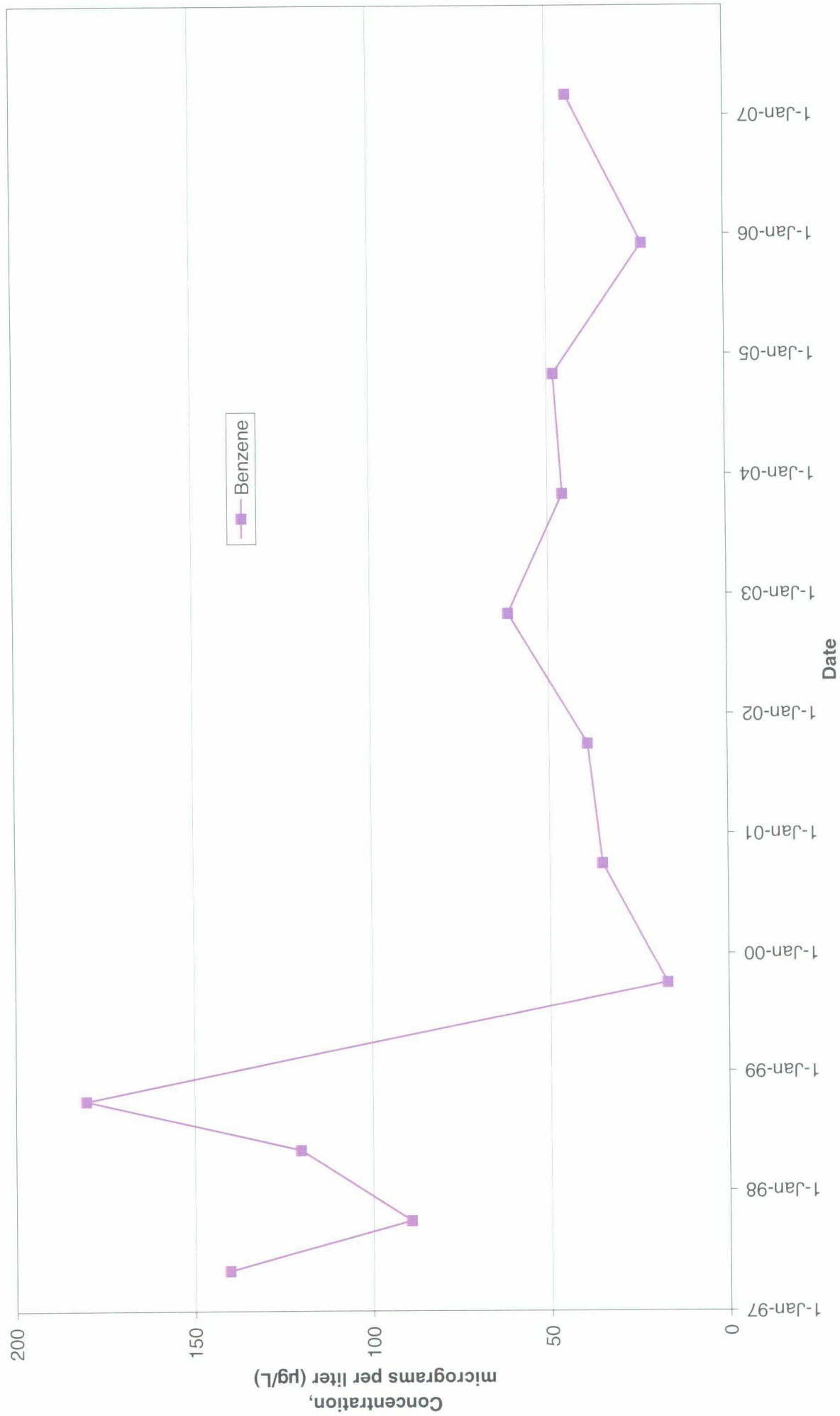
Graph 4 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-02A



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



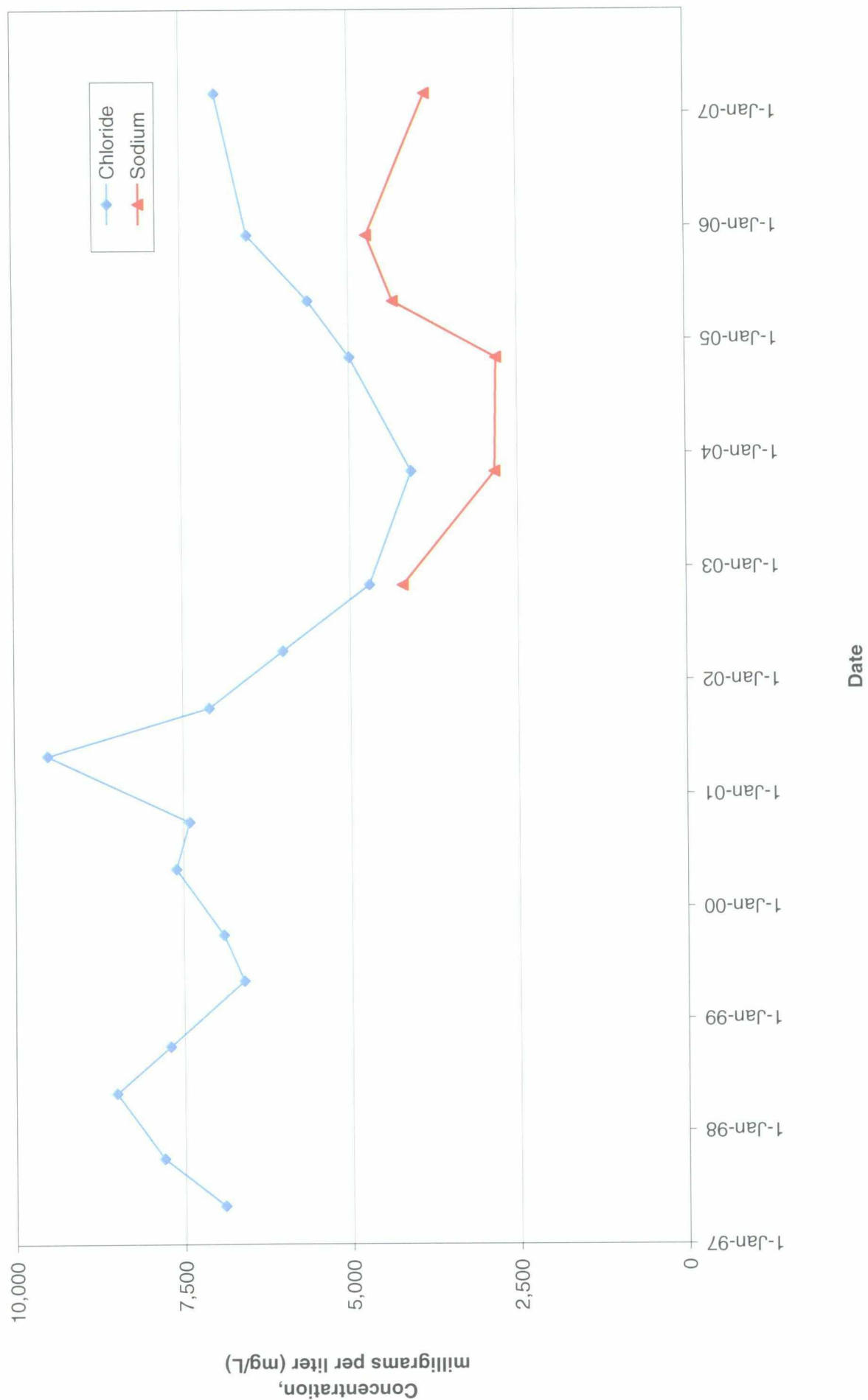
Graph 6 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-02A



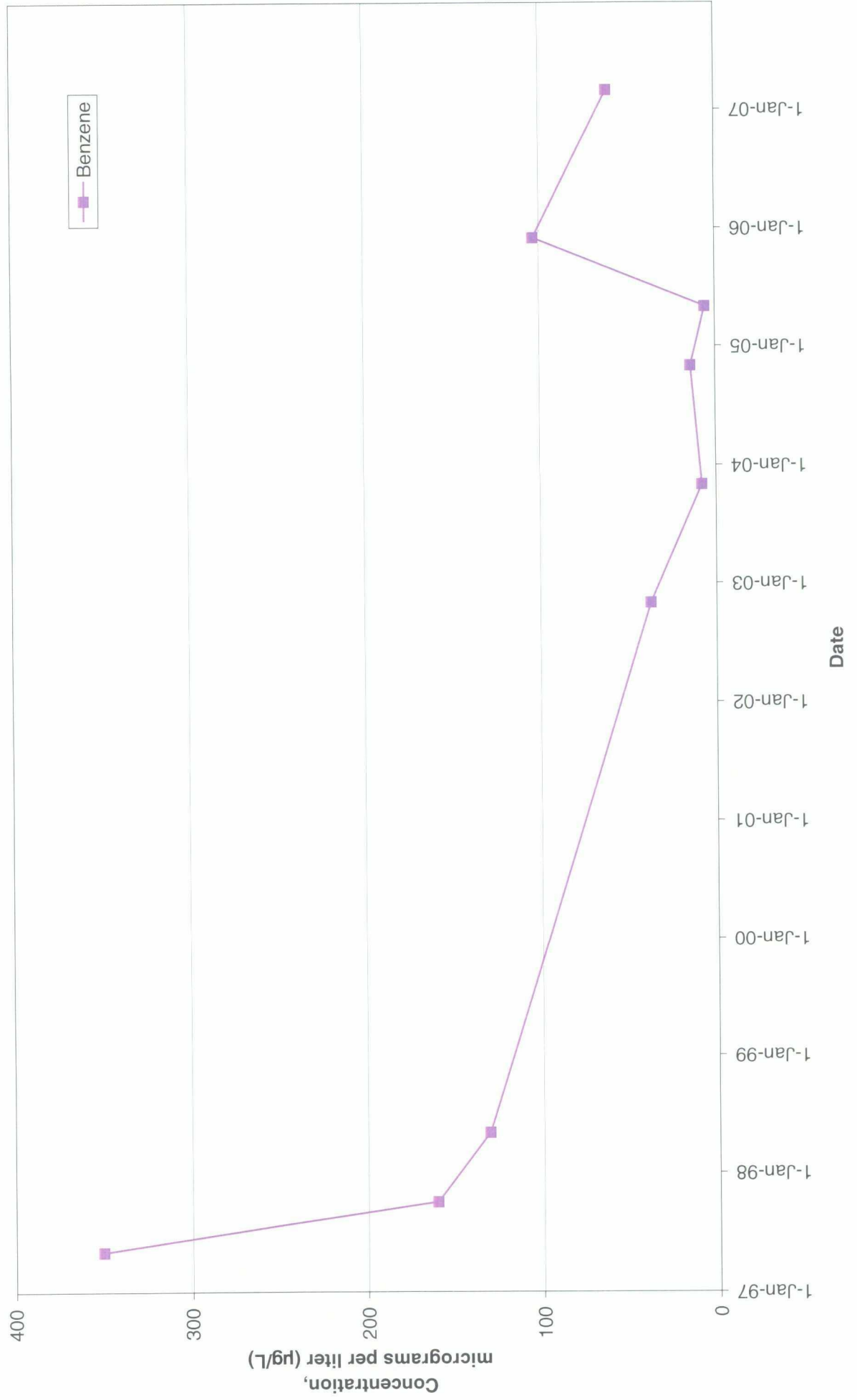
Graph 7 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-03



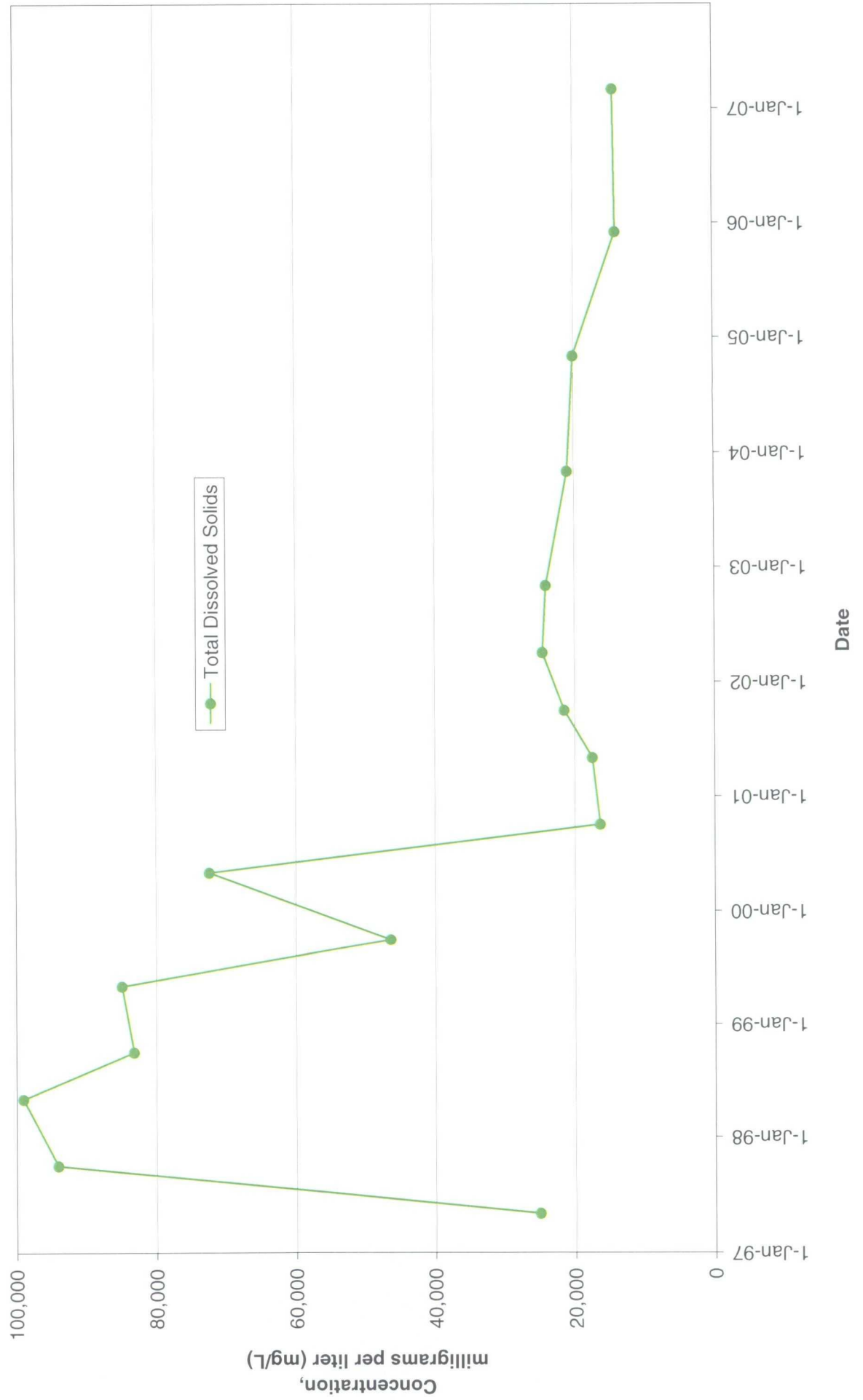
Graph 8 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-03



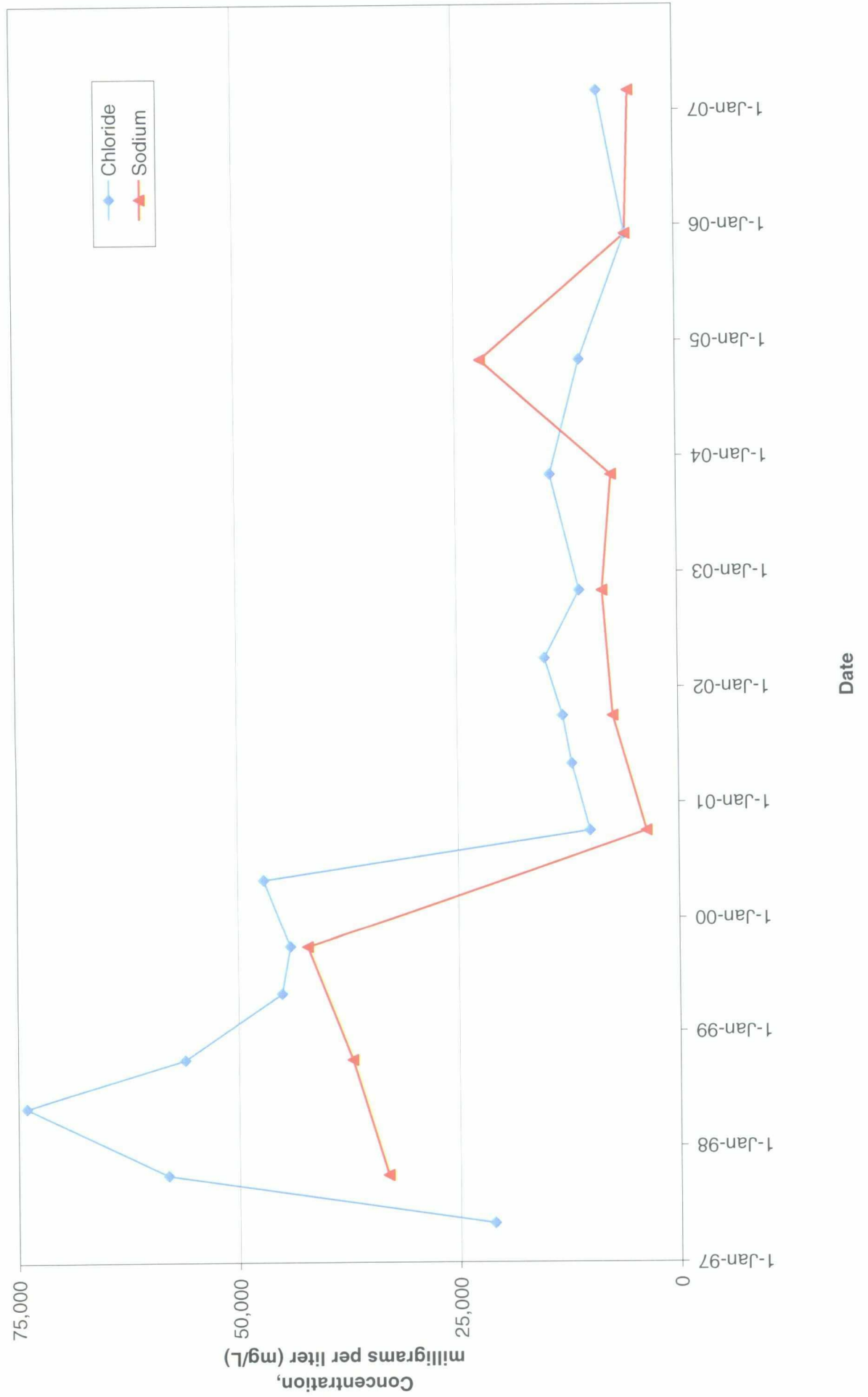
Graph 9 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-03



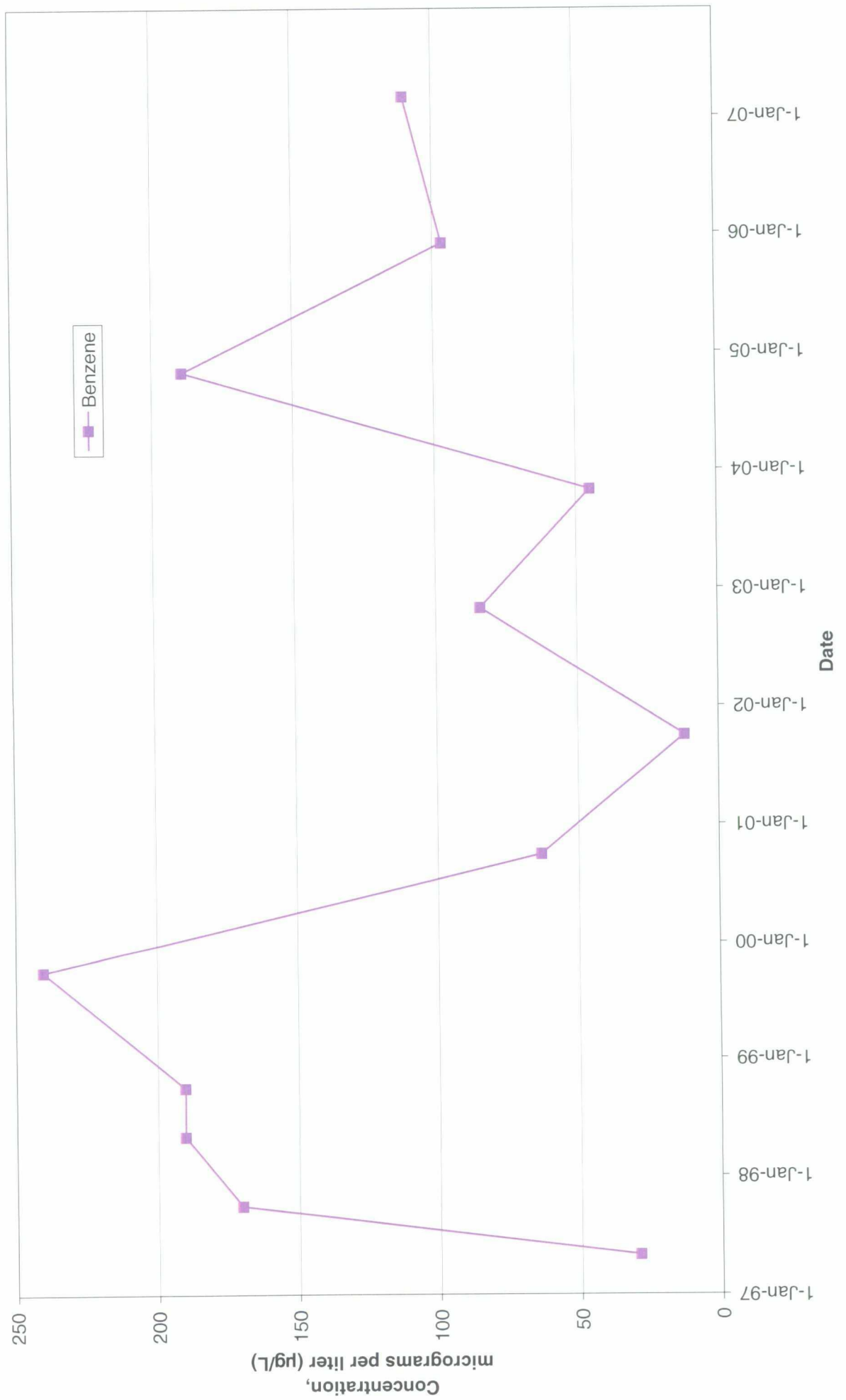
Graph 10 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-04



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



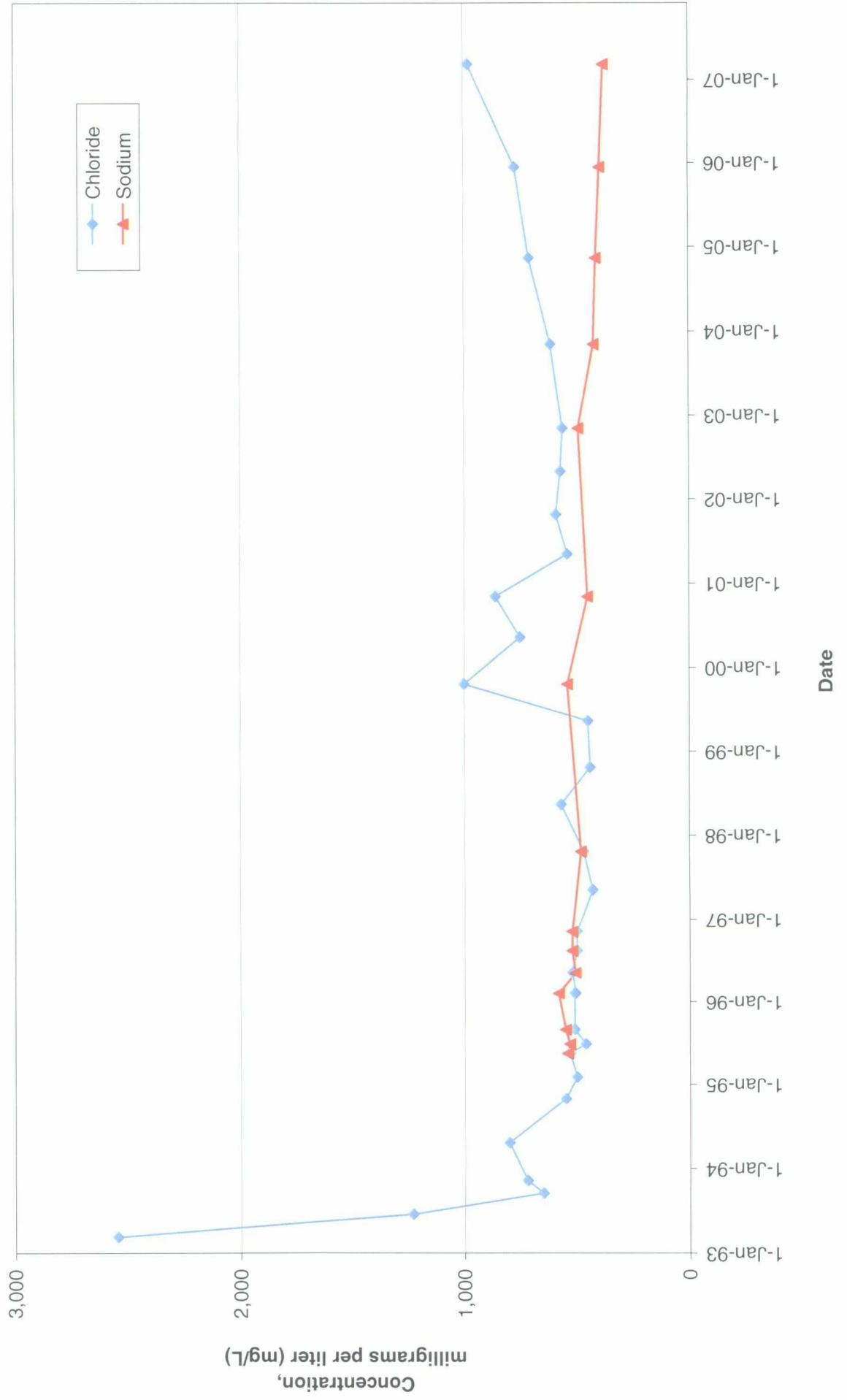
Graph 12 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-04



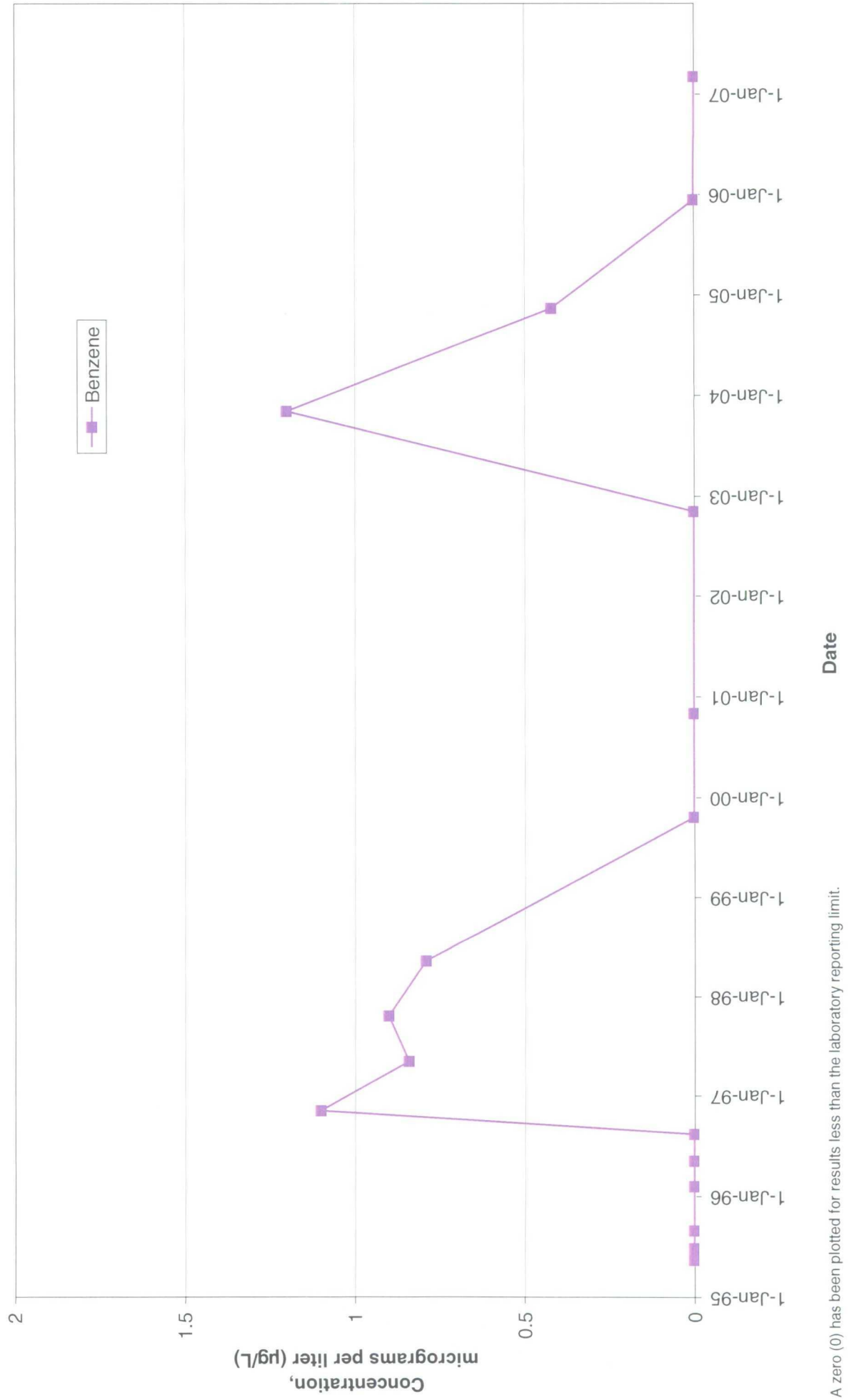
Graph 13 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-05



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

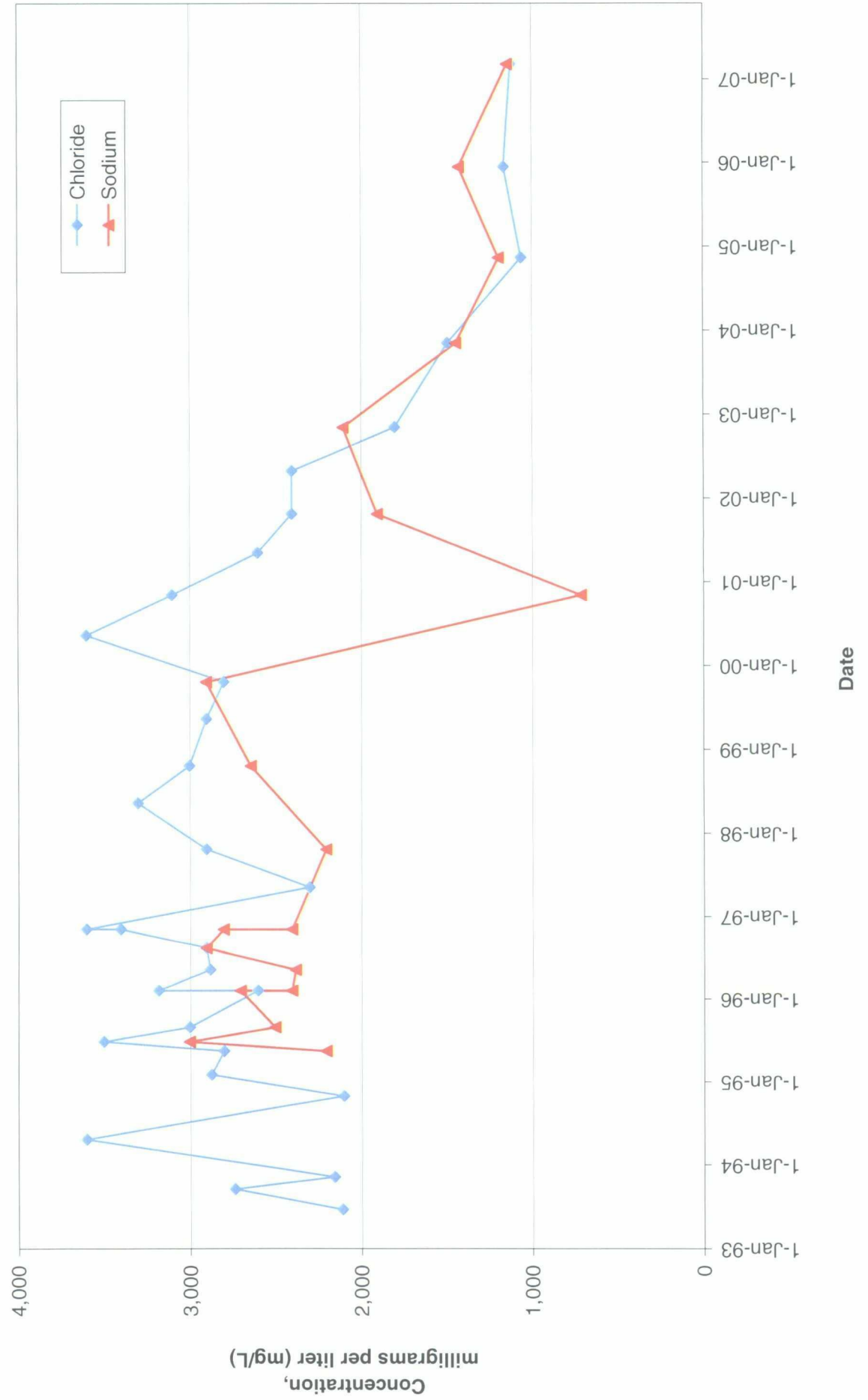


A zero (0) has been plotted for results less than the laboratory reporting limit.

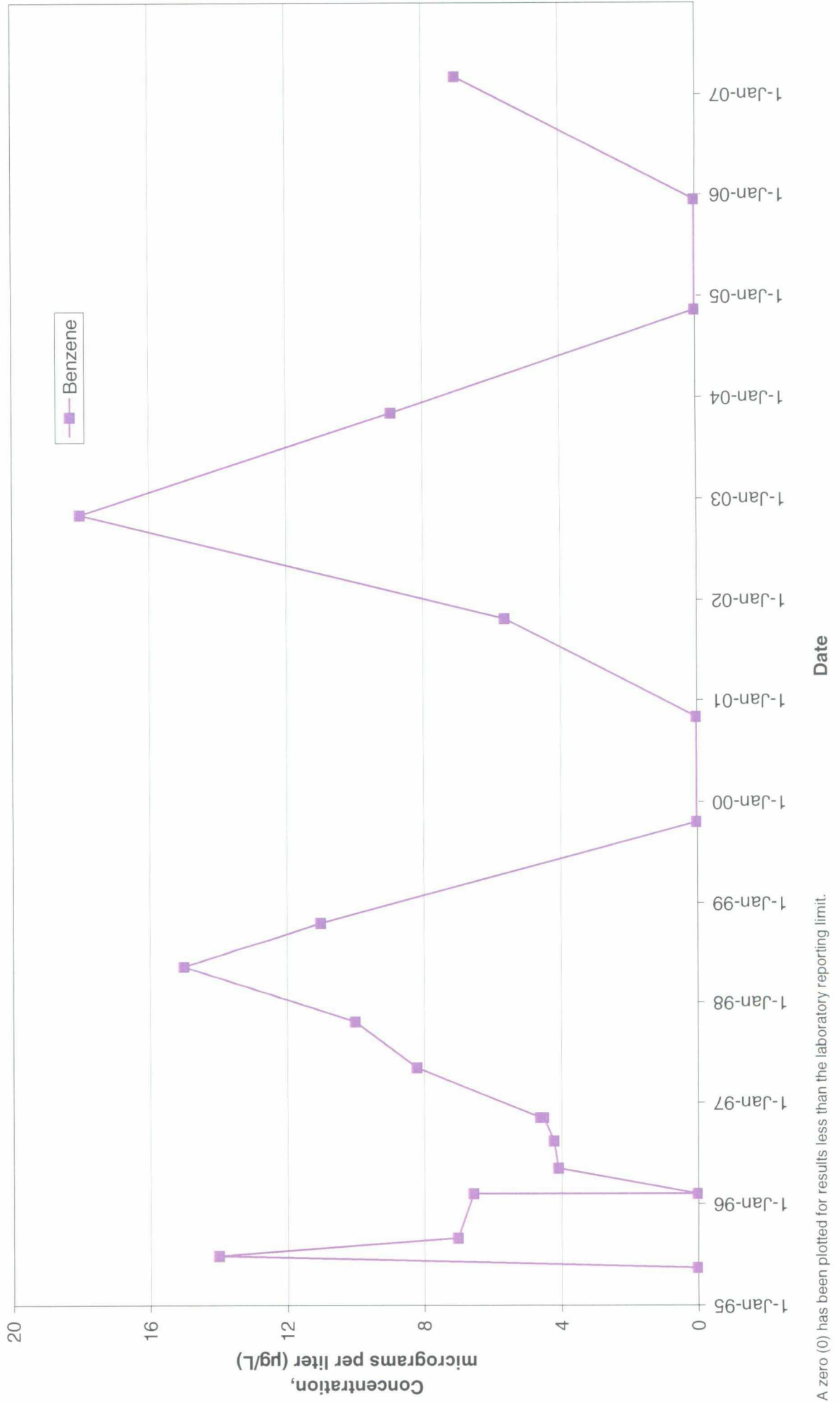
Graph 16 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-06



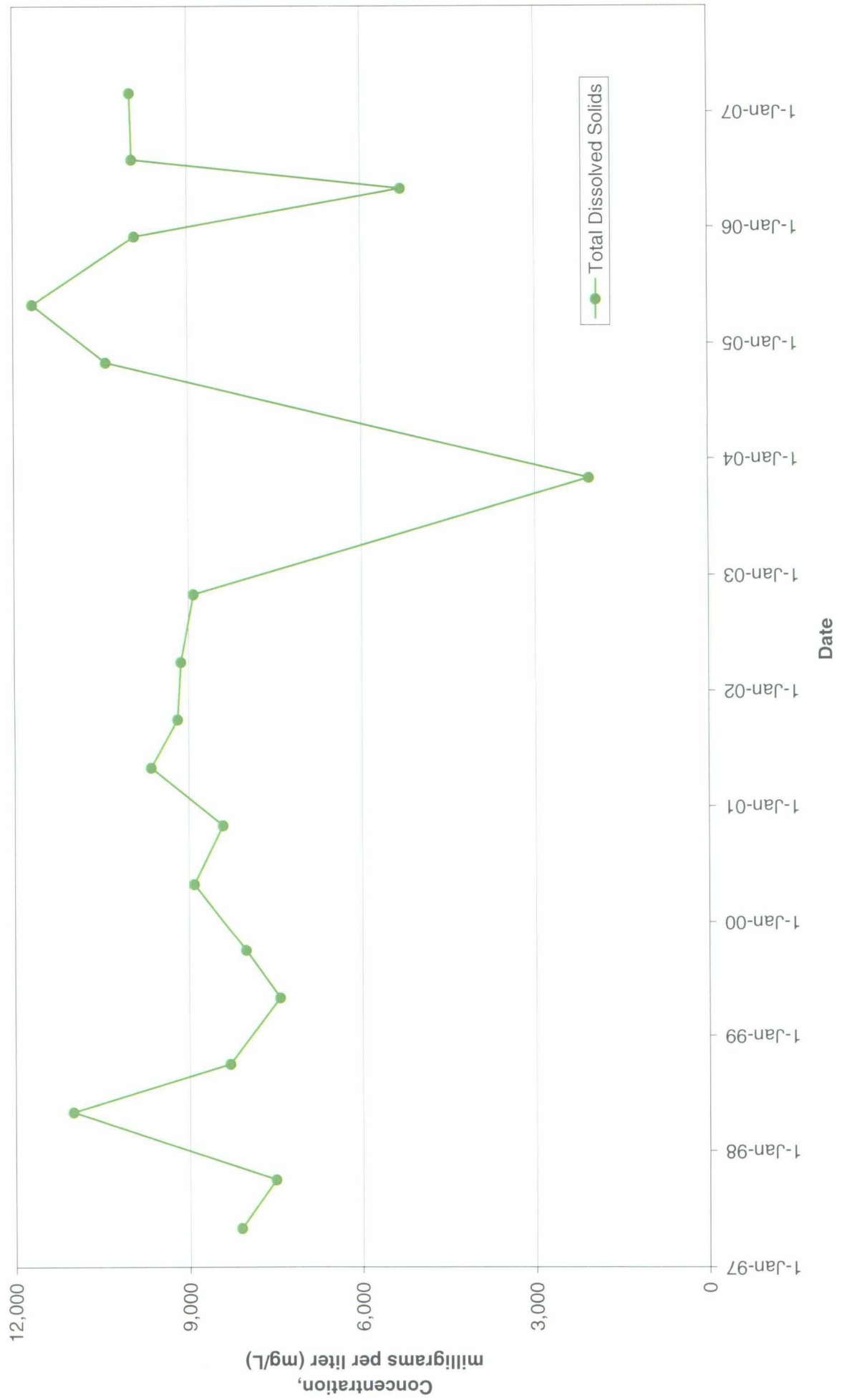
Graph 17 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-06



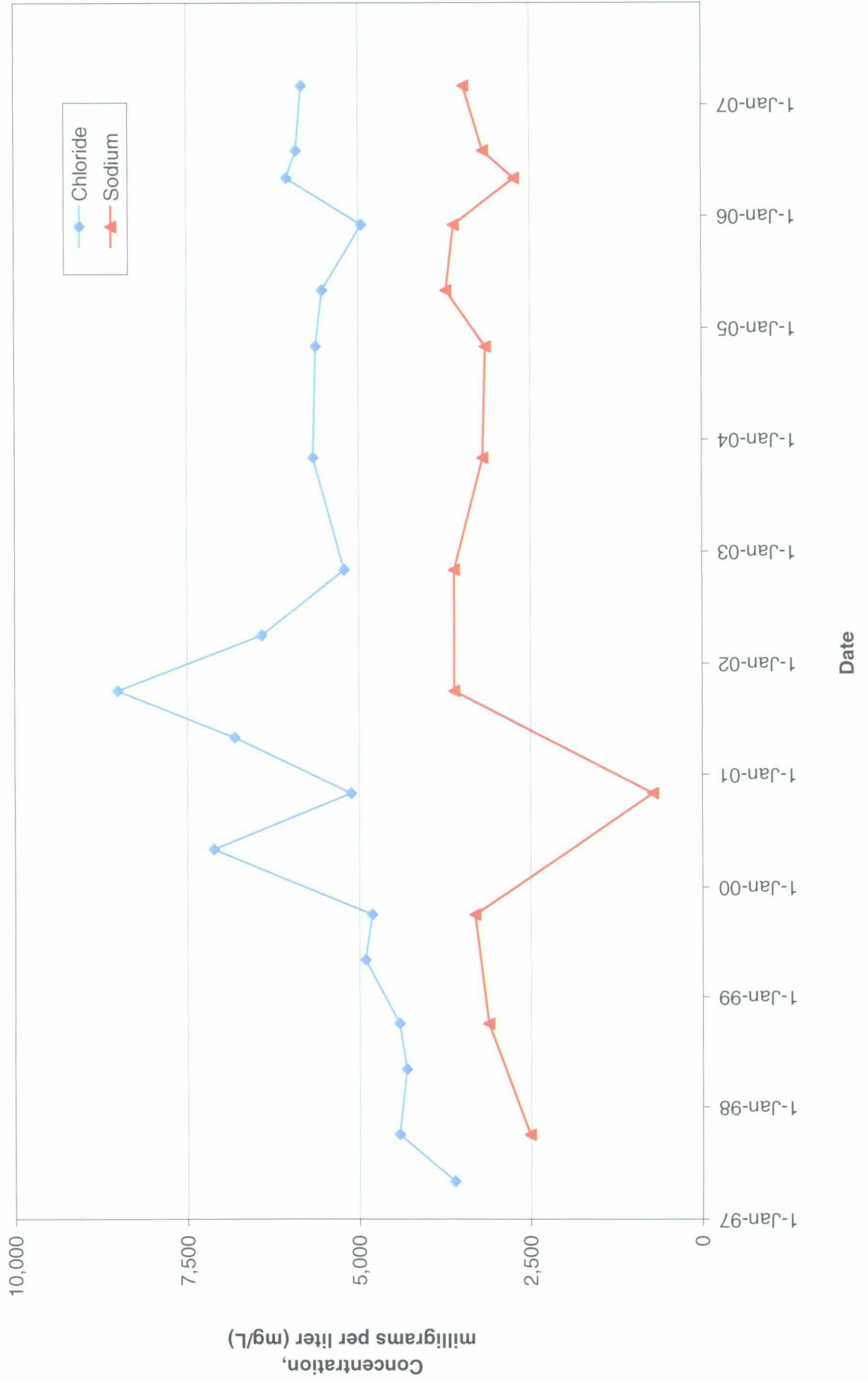
Graph 18 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-06



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

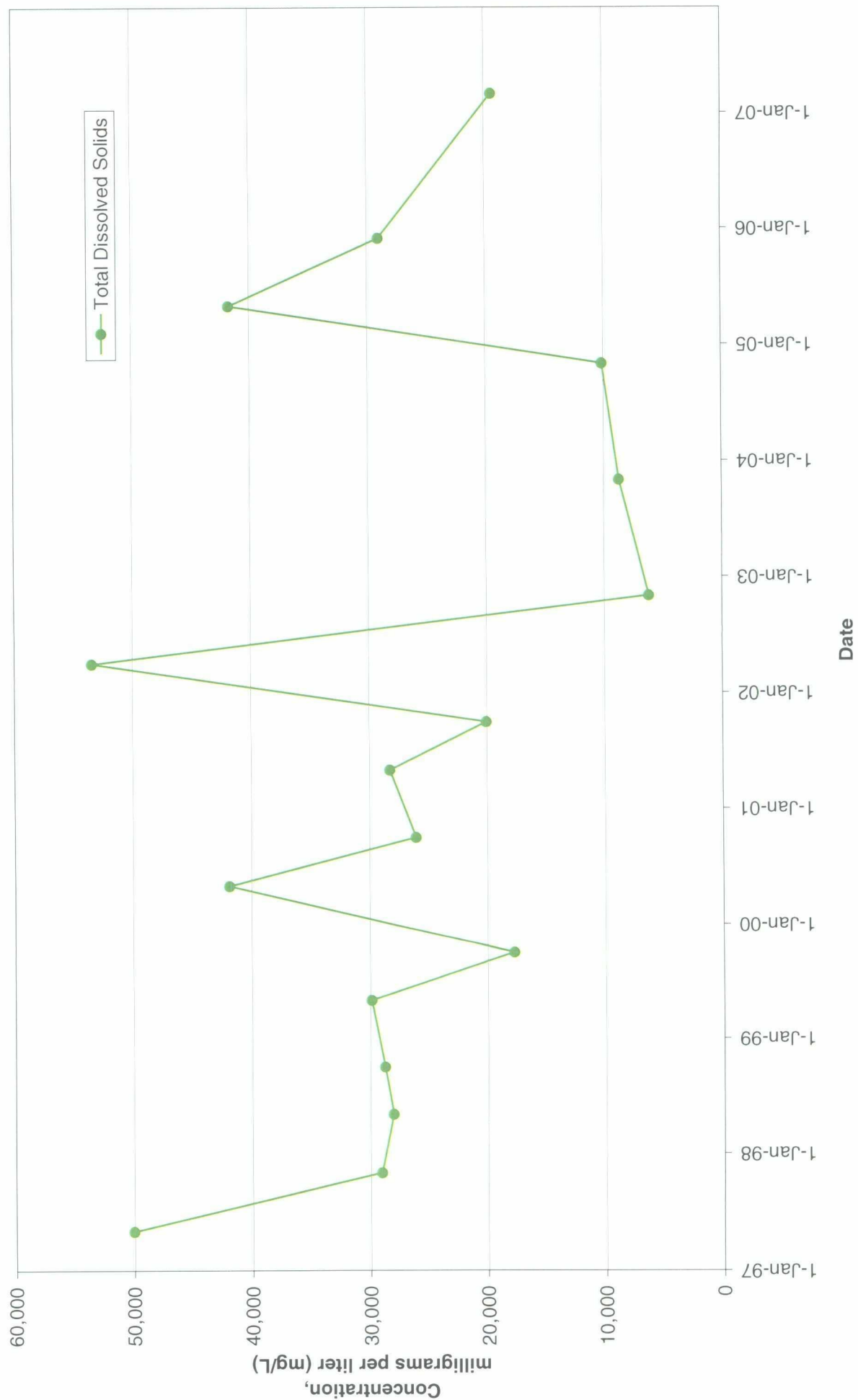


Graph 21 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-07

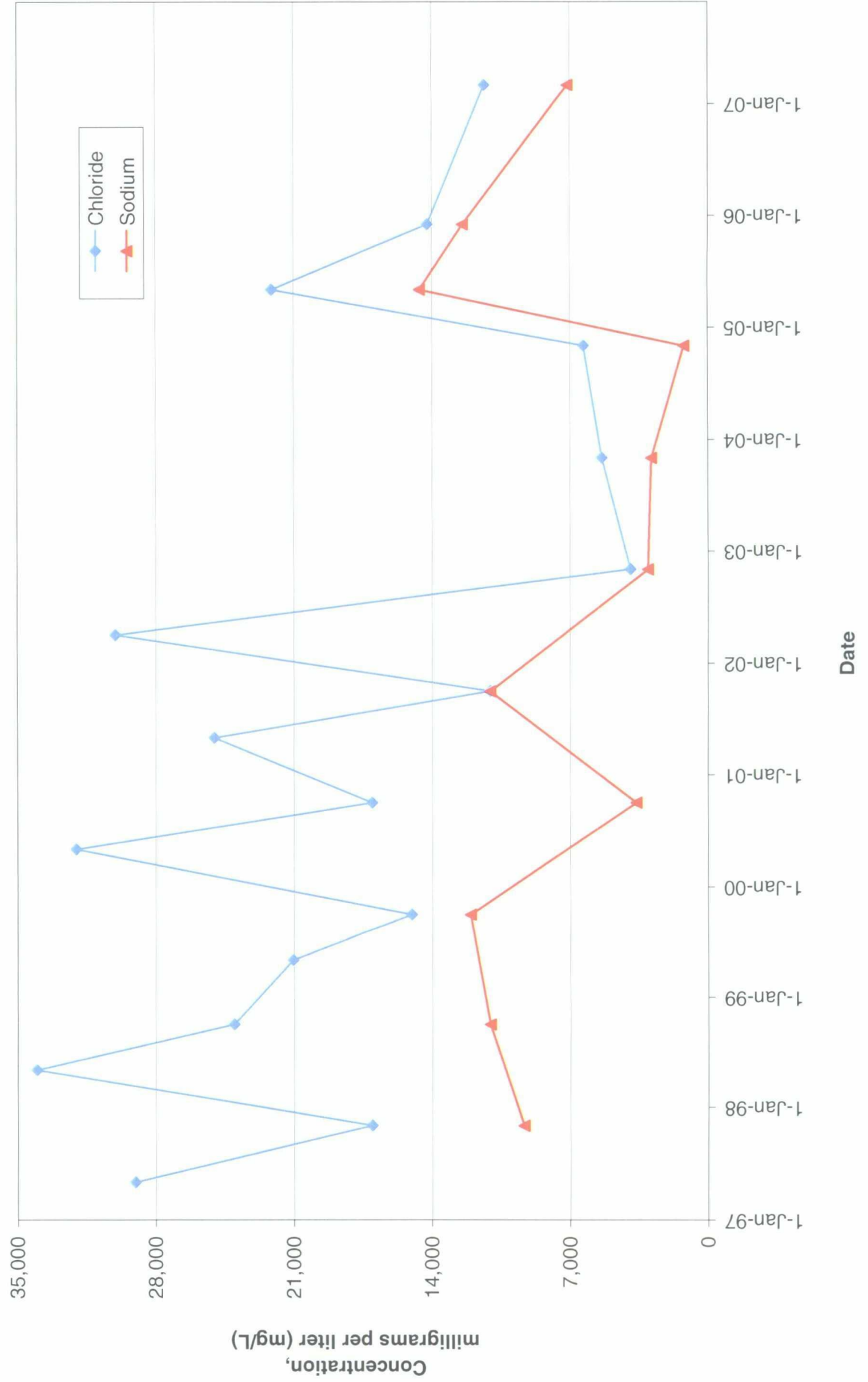


A zero (0) has been plotted for results less than the laboratory reporting limit.

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



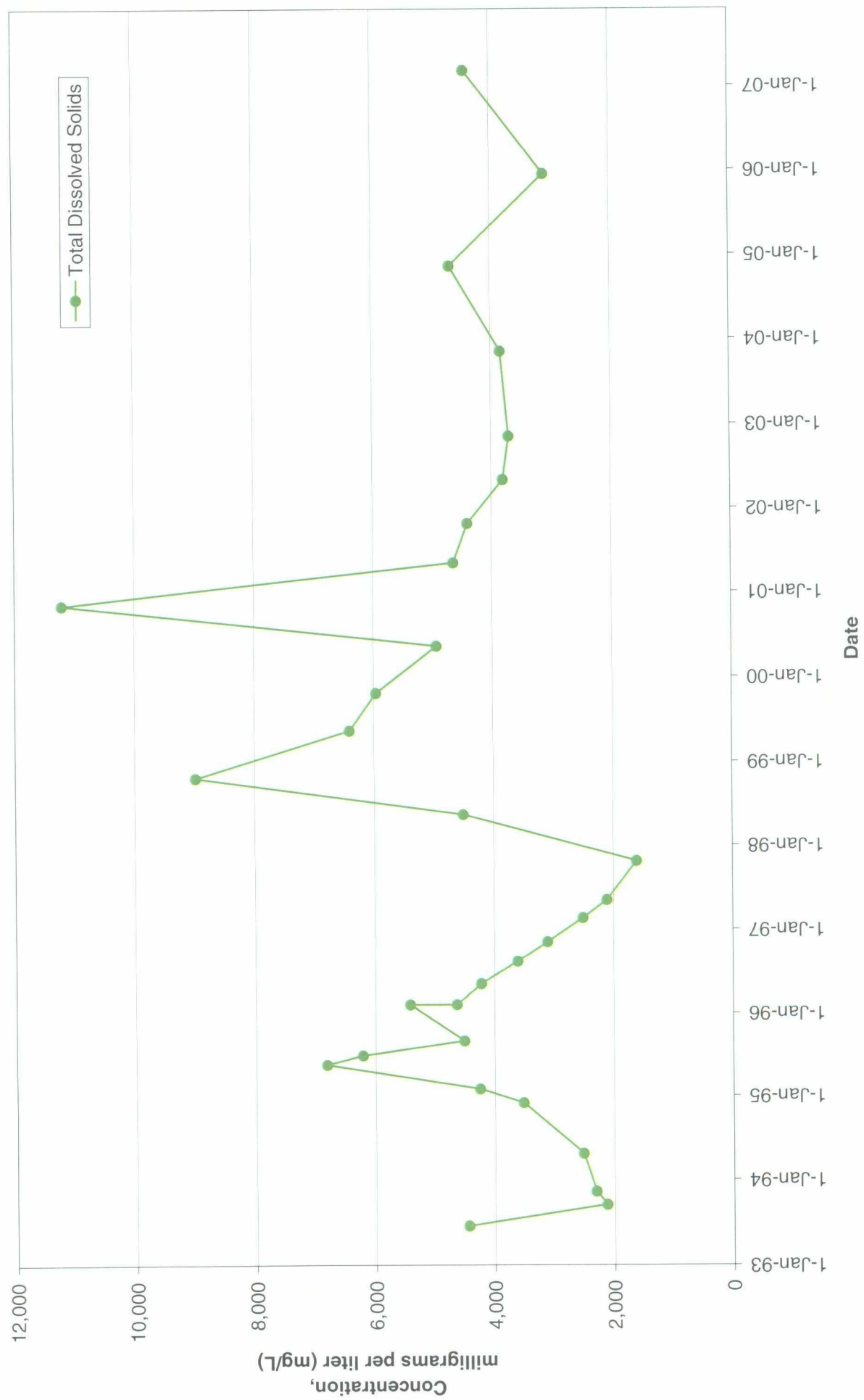
Graph 23 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-08



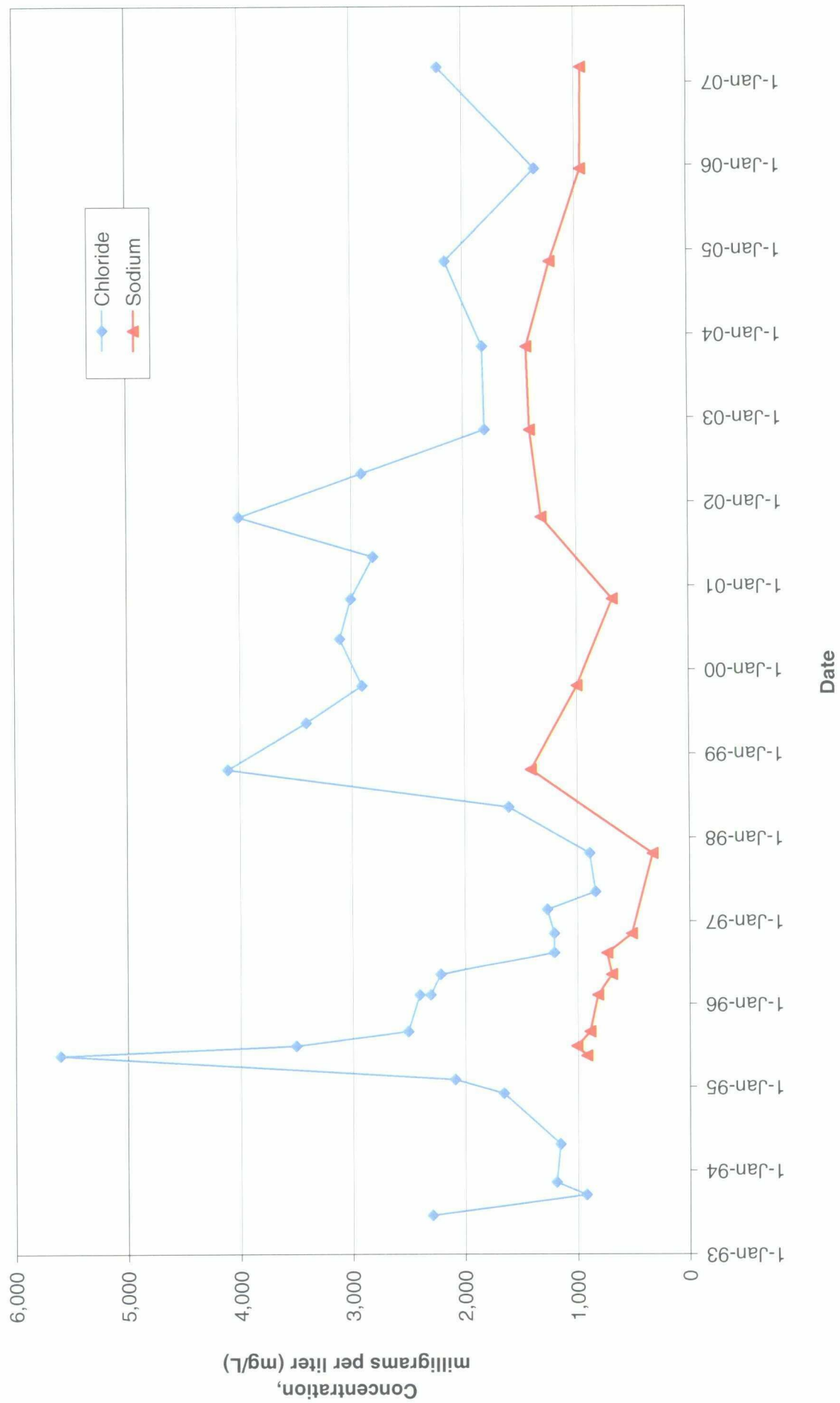
Graph 24 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-08



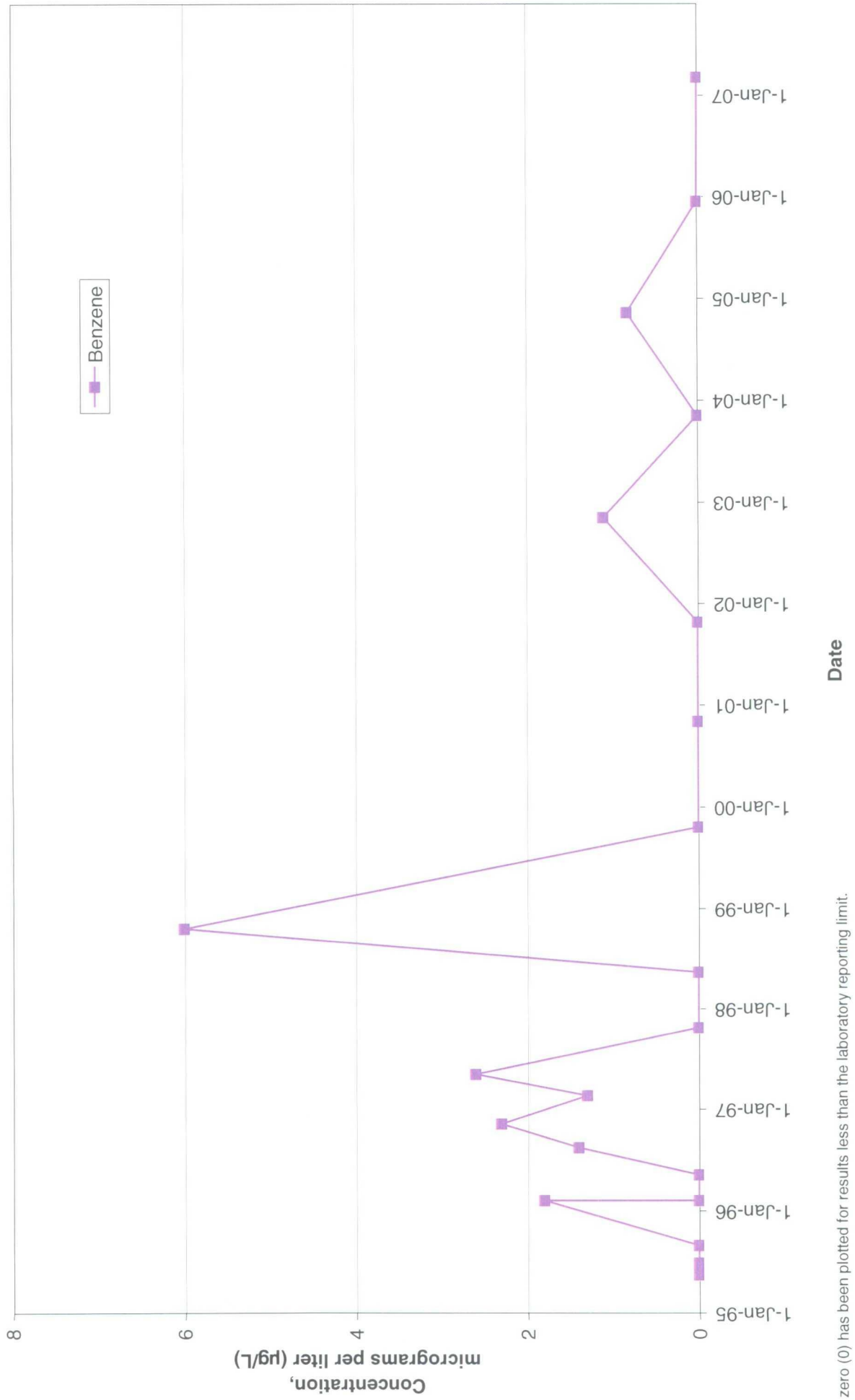
Graph 25 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-09



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

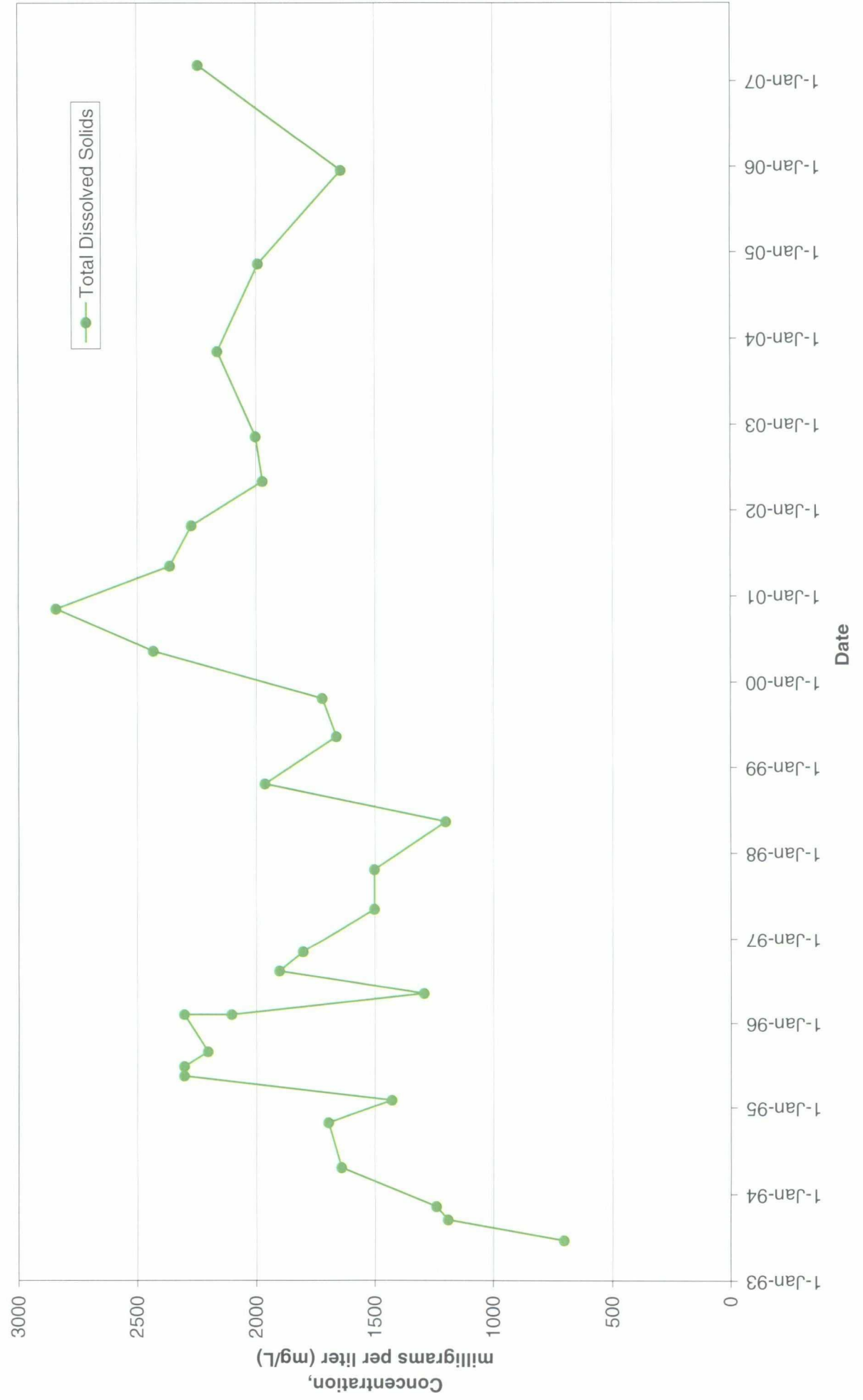


Graph 27 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-09

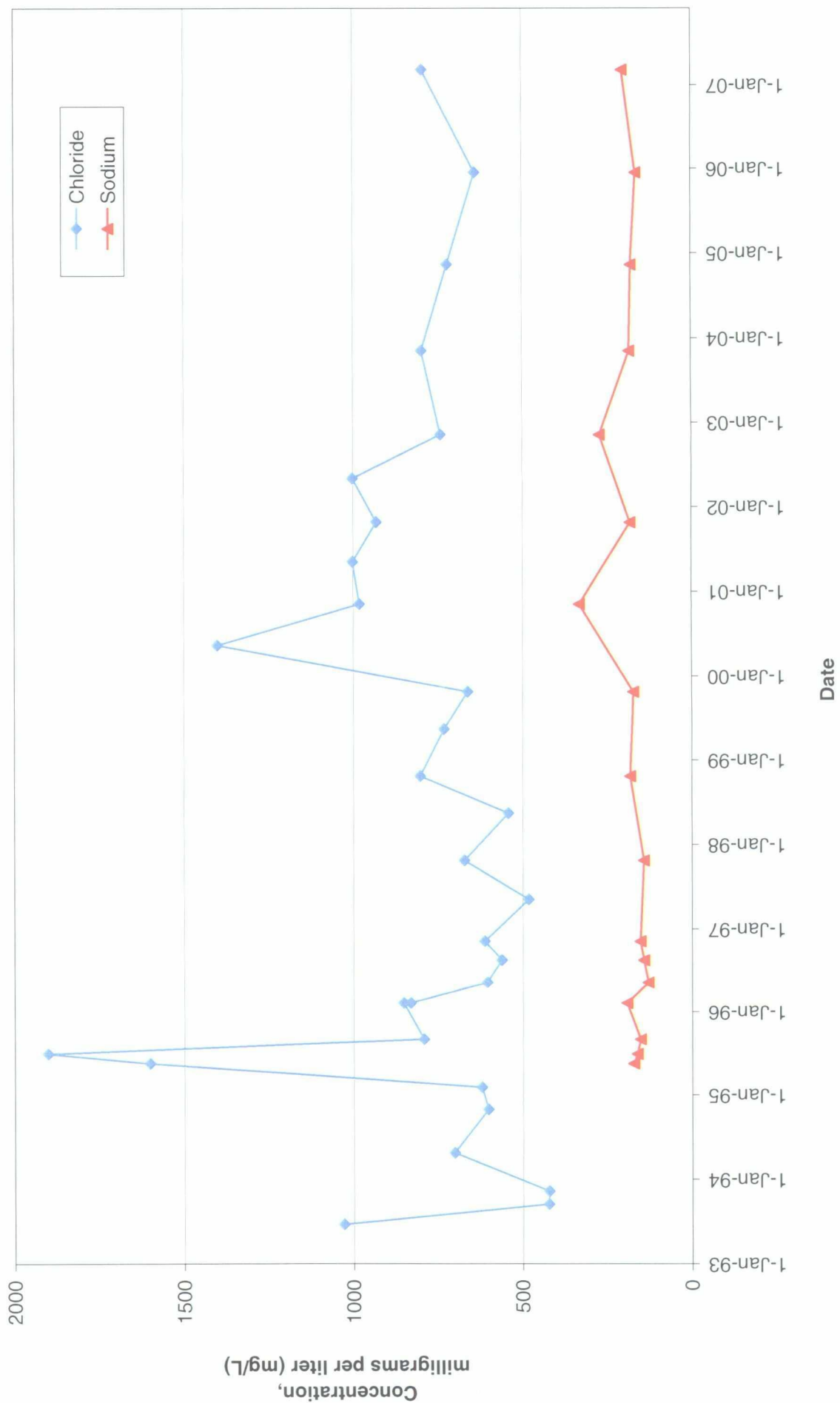


A zero (0) has been plotted for results less than the laboratory reporting limit.

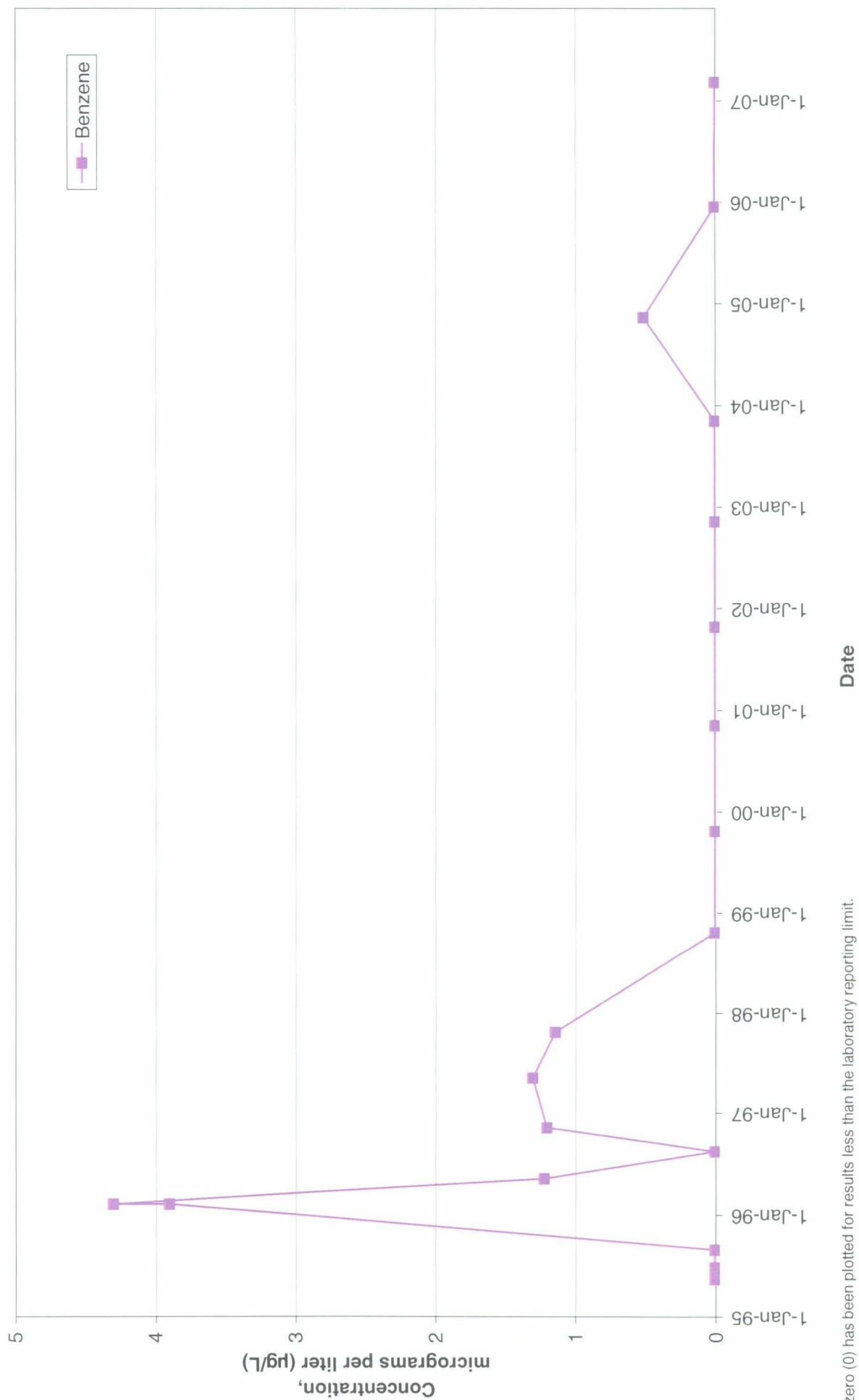
Graph 28 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-10



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

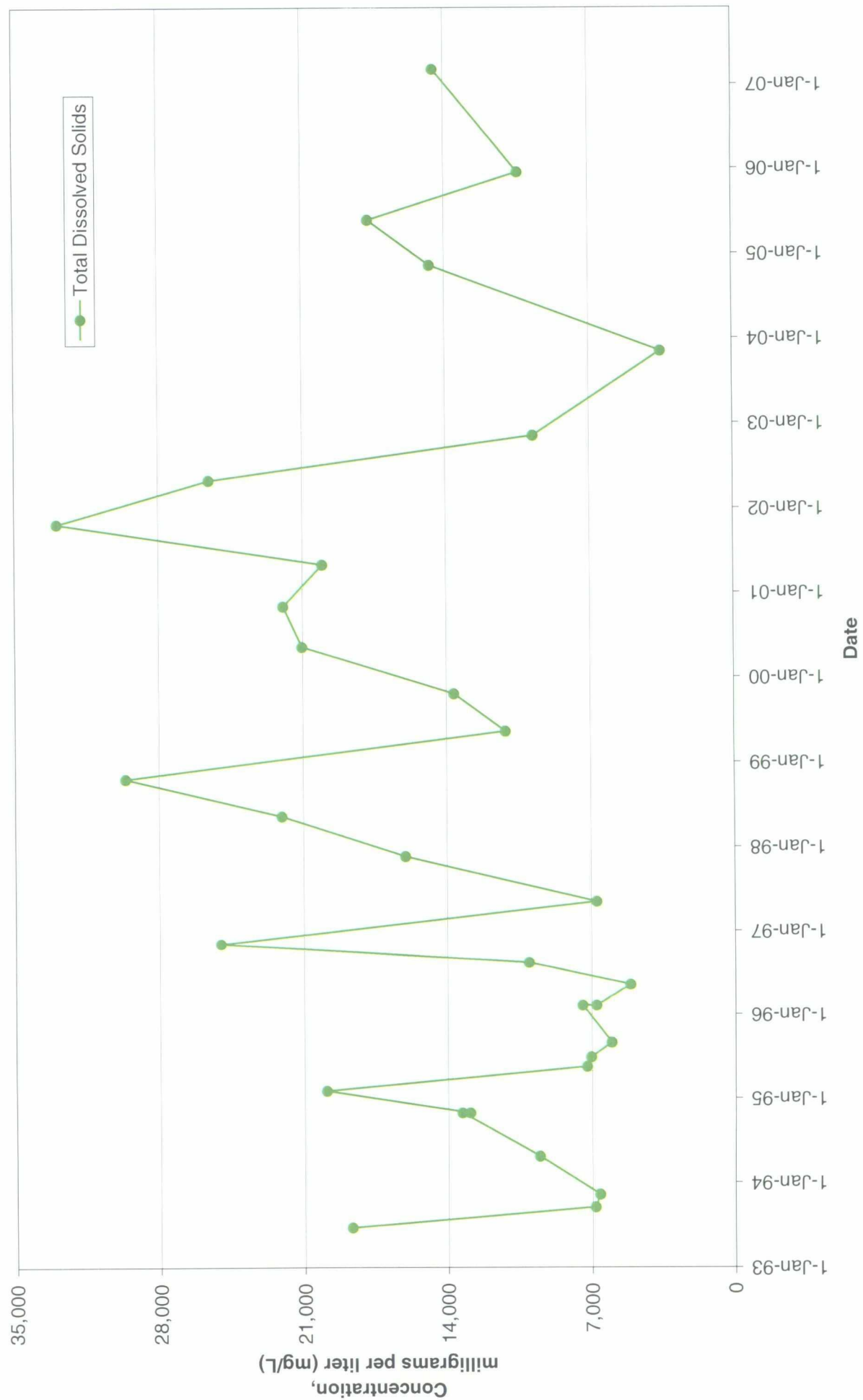


Graph 30 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-10

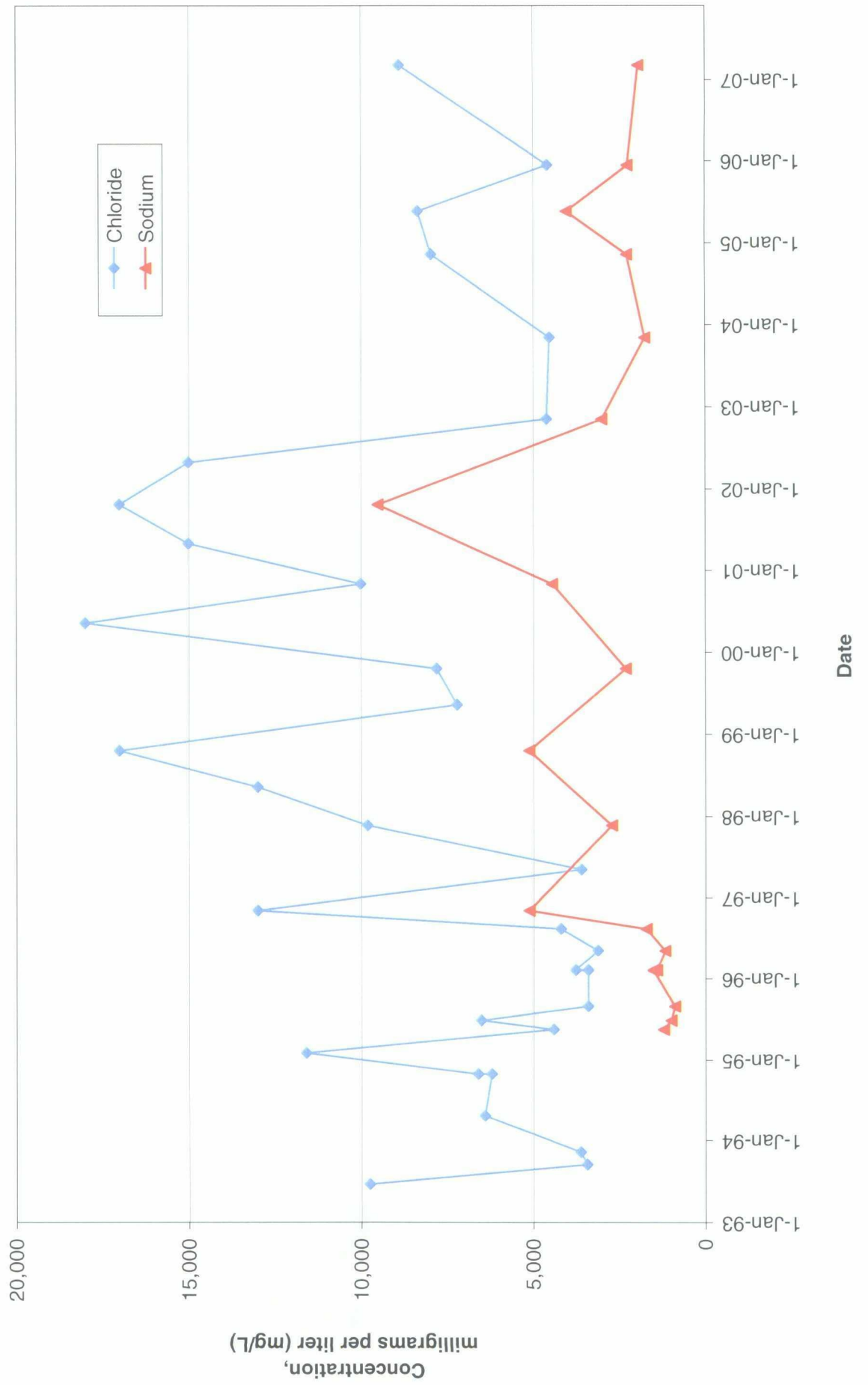


A zero (0) has been plotted for results less than the laboratory reporting limit.

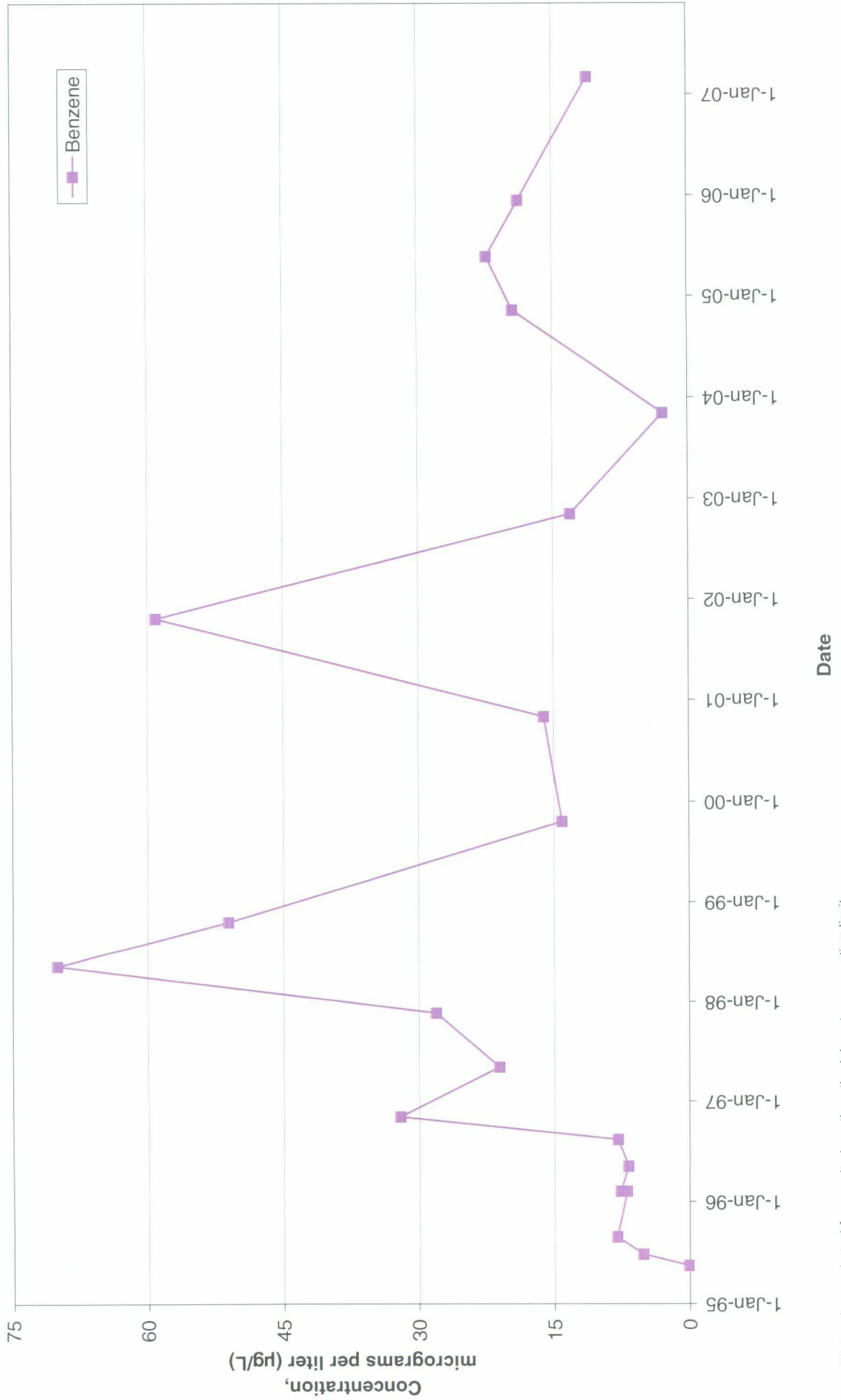
Graph 31 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-11



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

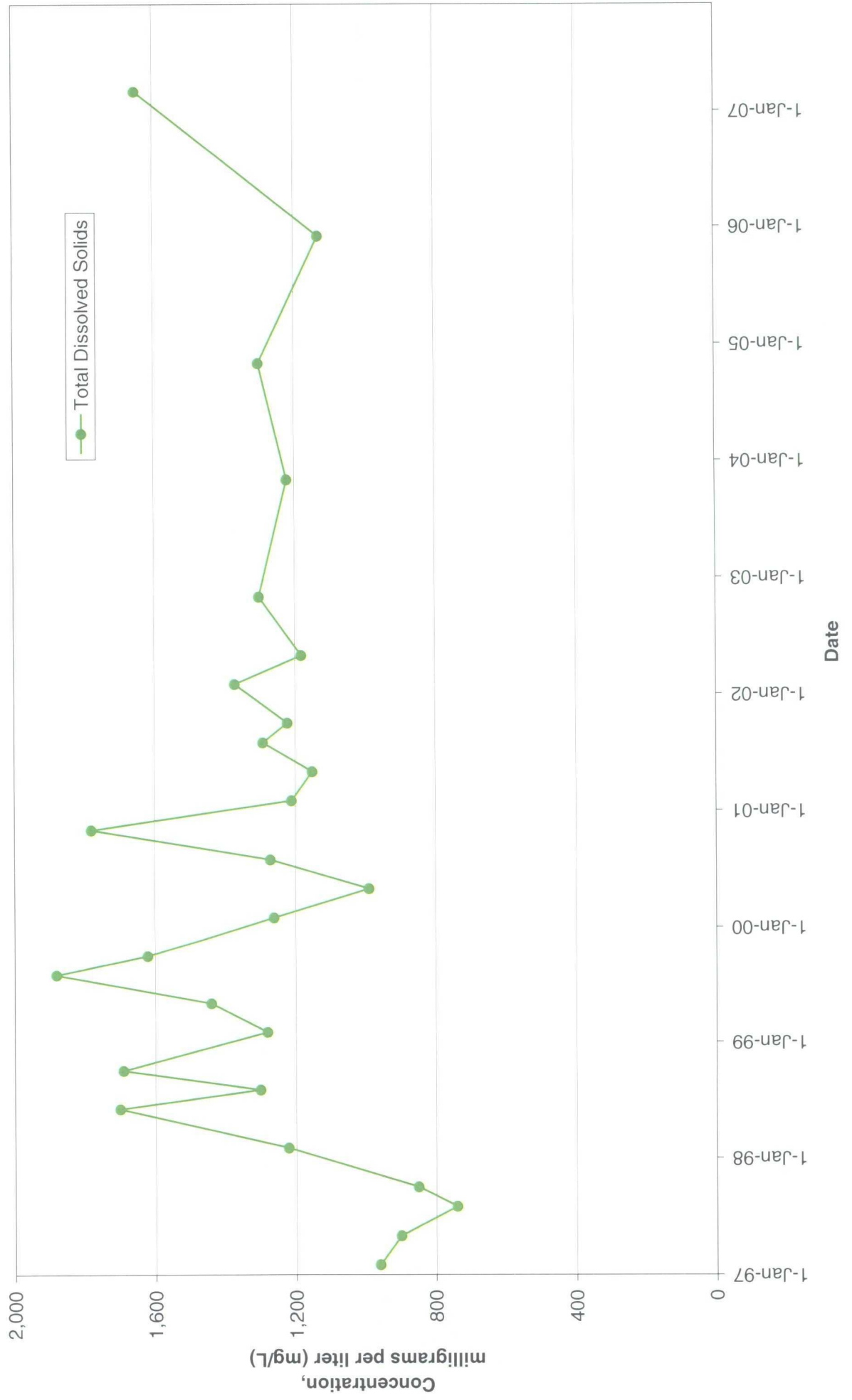


Graph 33 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-11

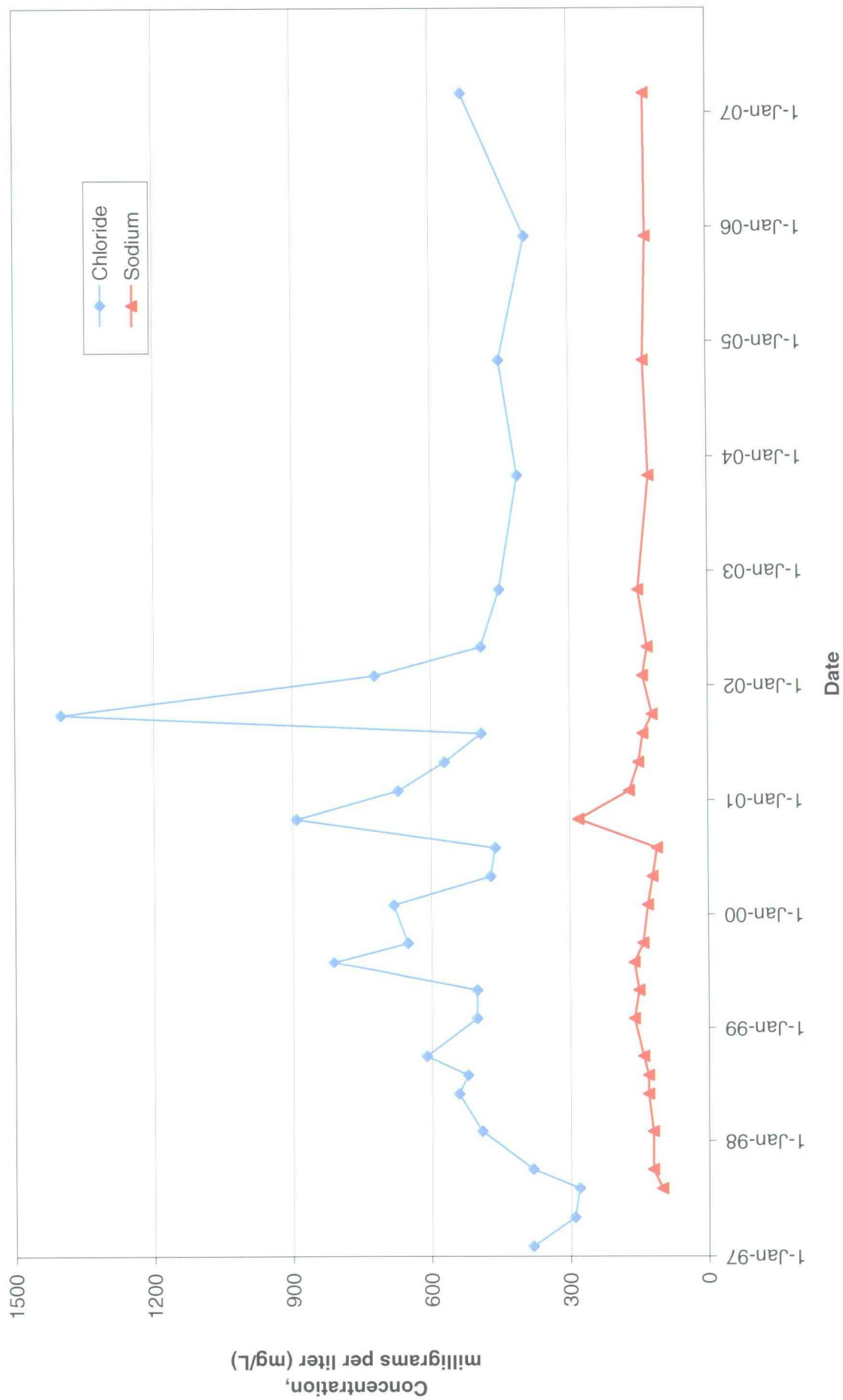


A zero (0) has been plotted for results less than the laboratory reporting limit.

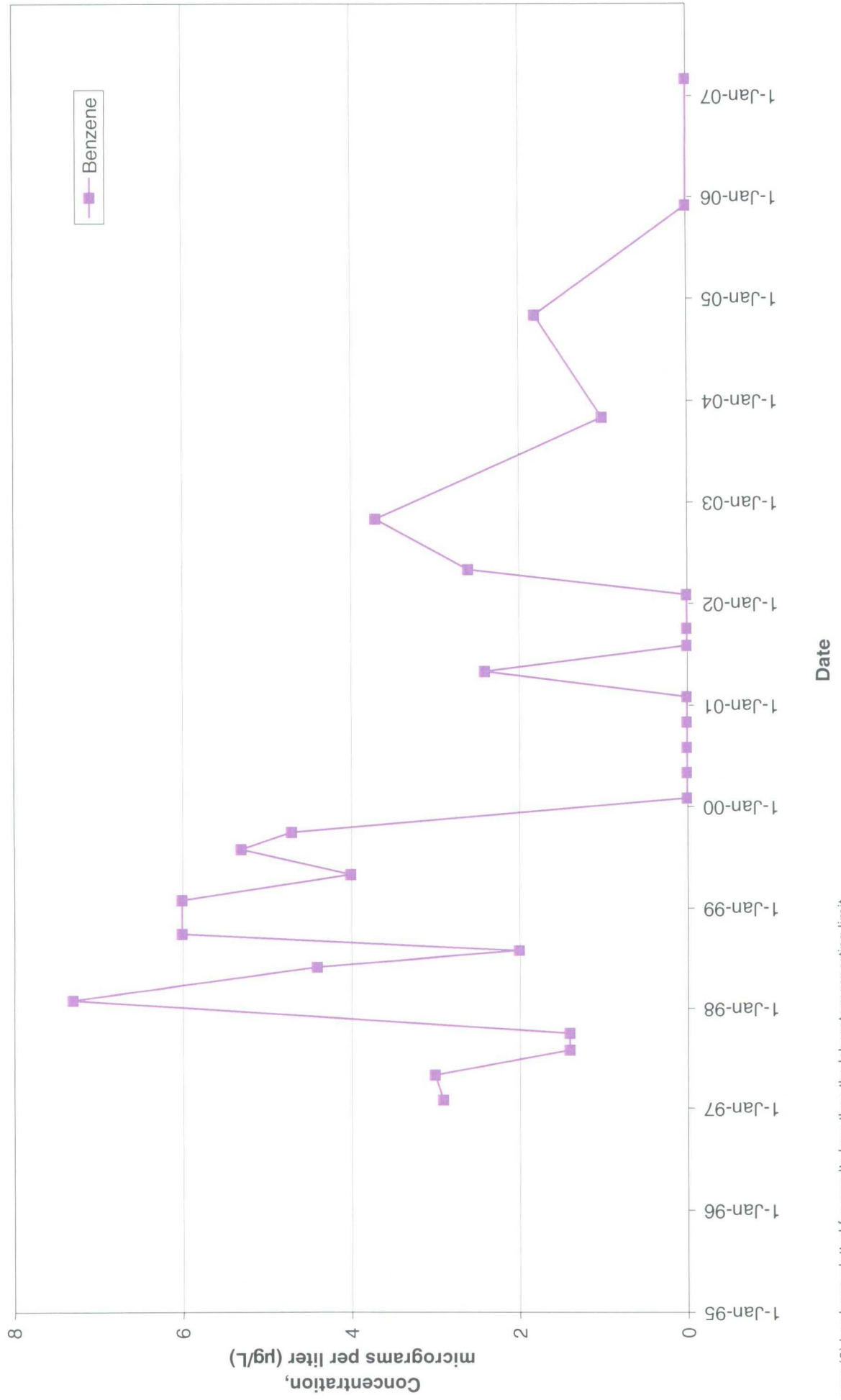
Graph 34 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-12



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

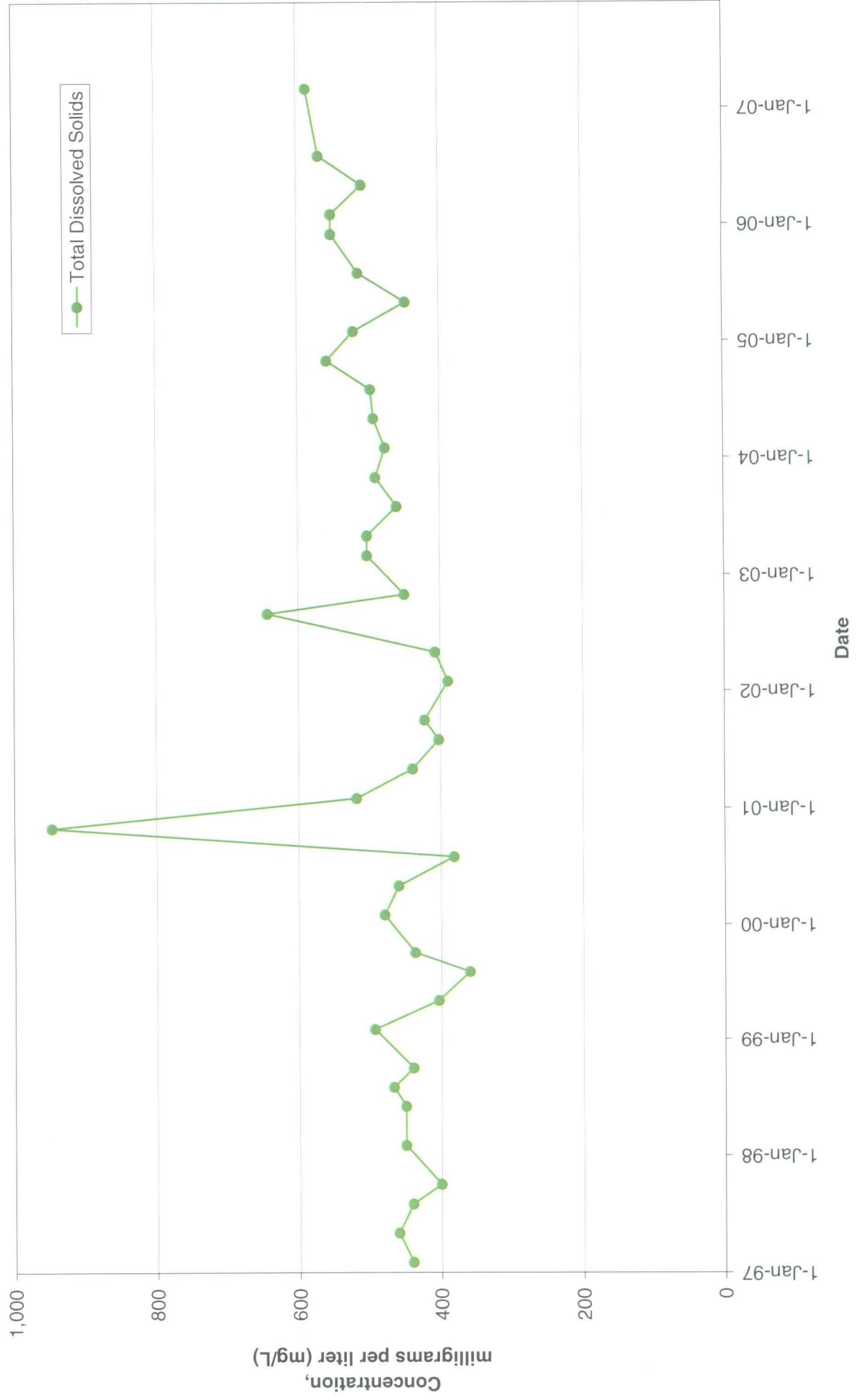


Graph 36 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-12

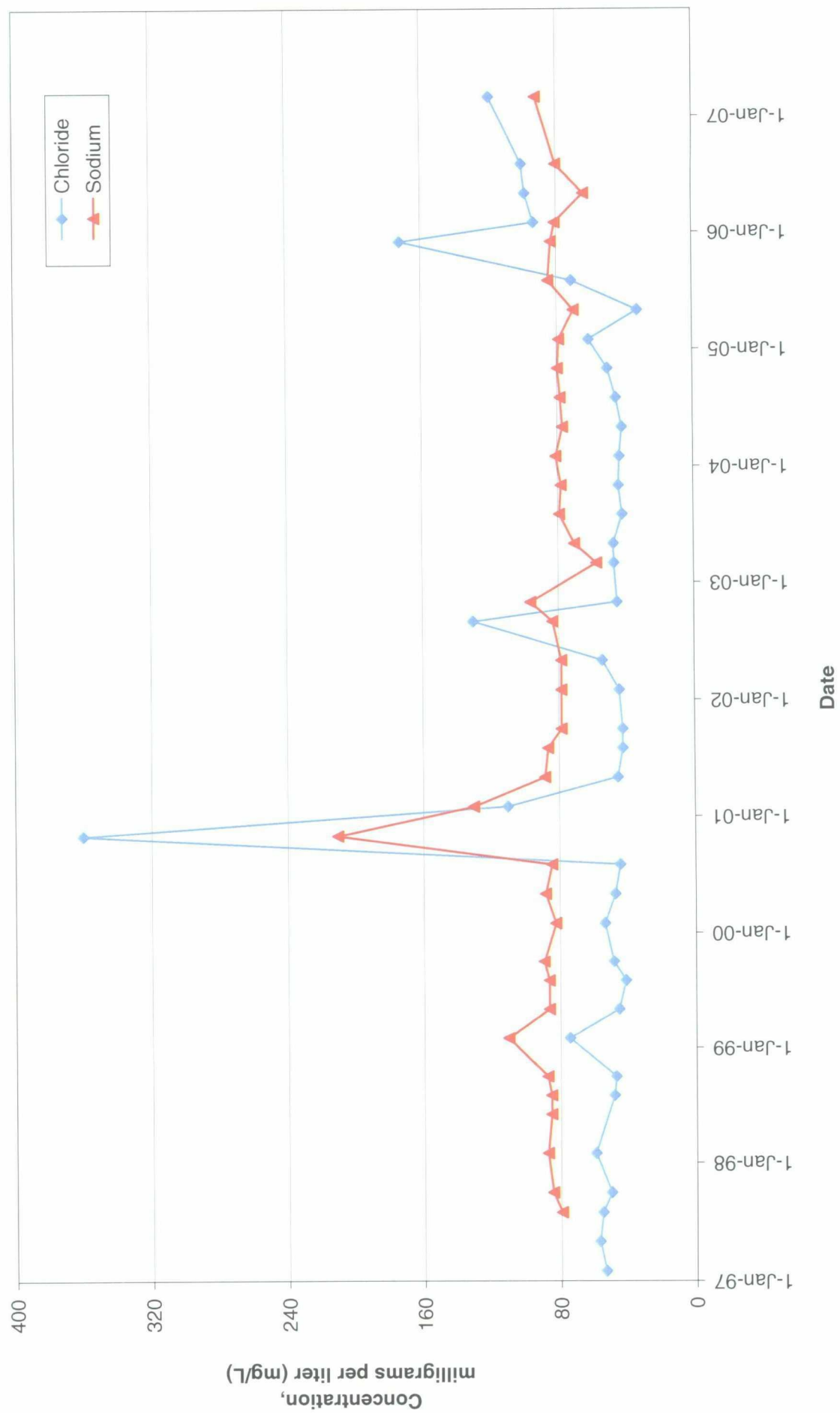


A zero (0) has been plotted for results less than the laboratory reporting limit.

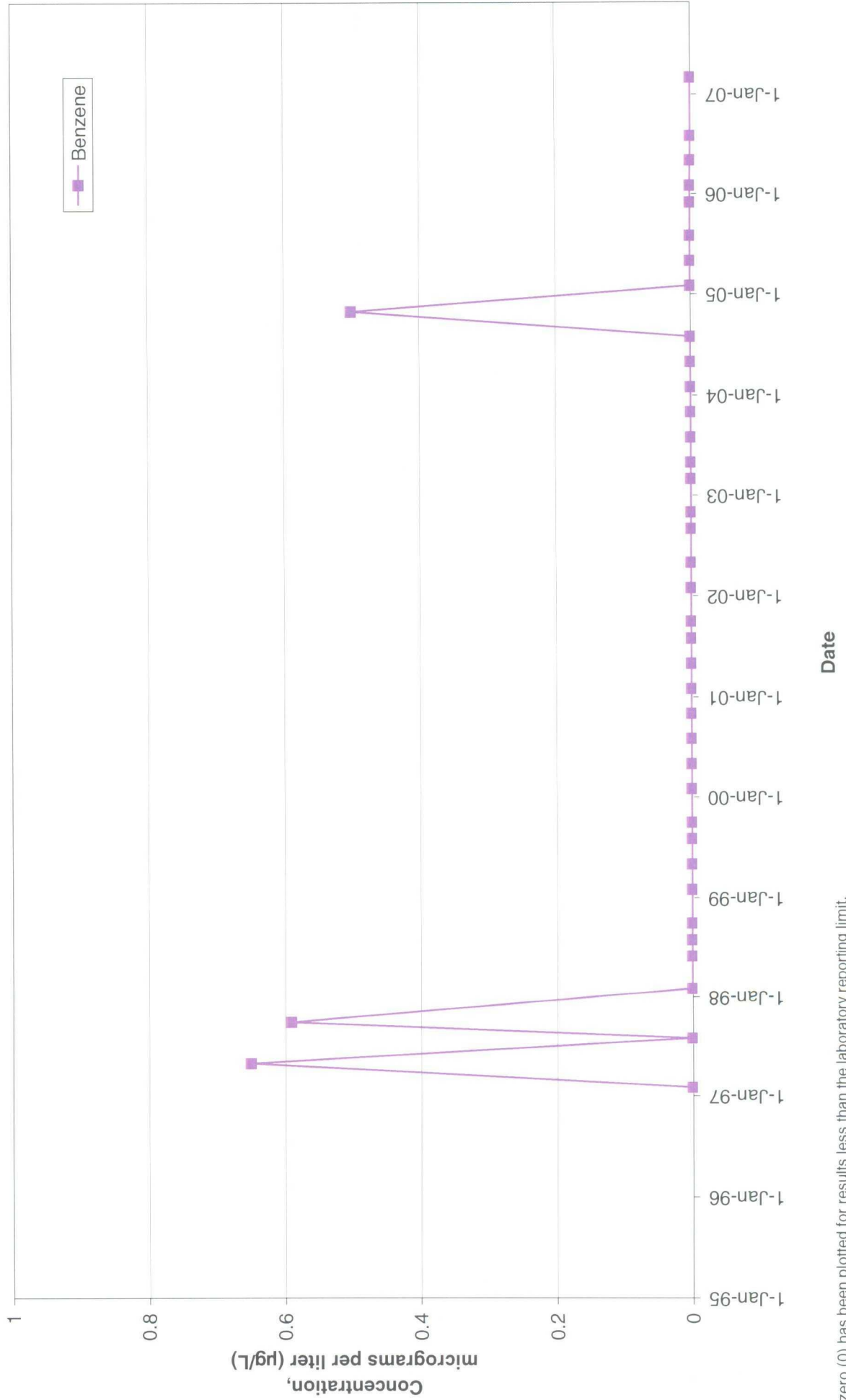
Graph 37 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-13



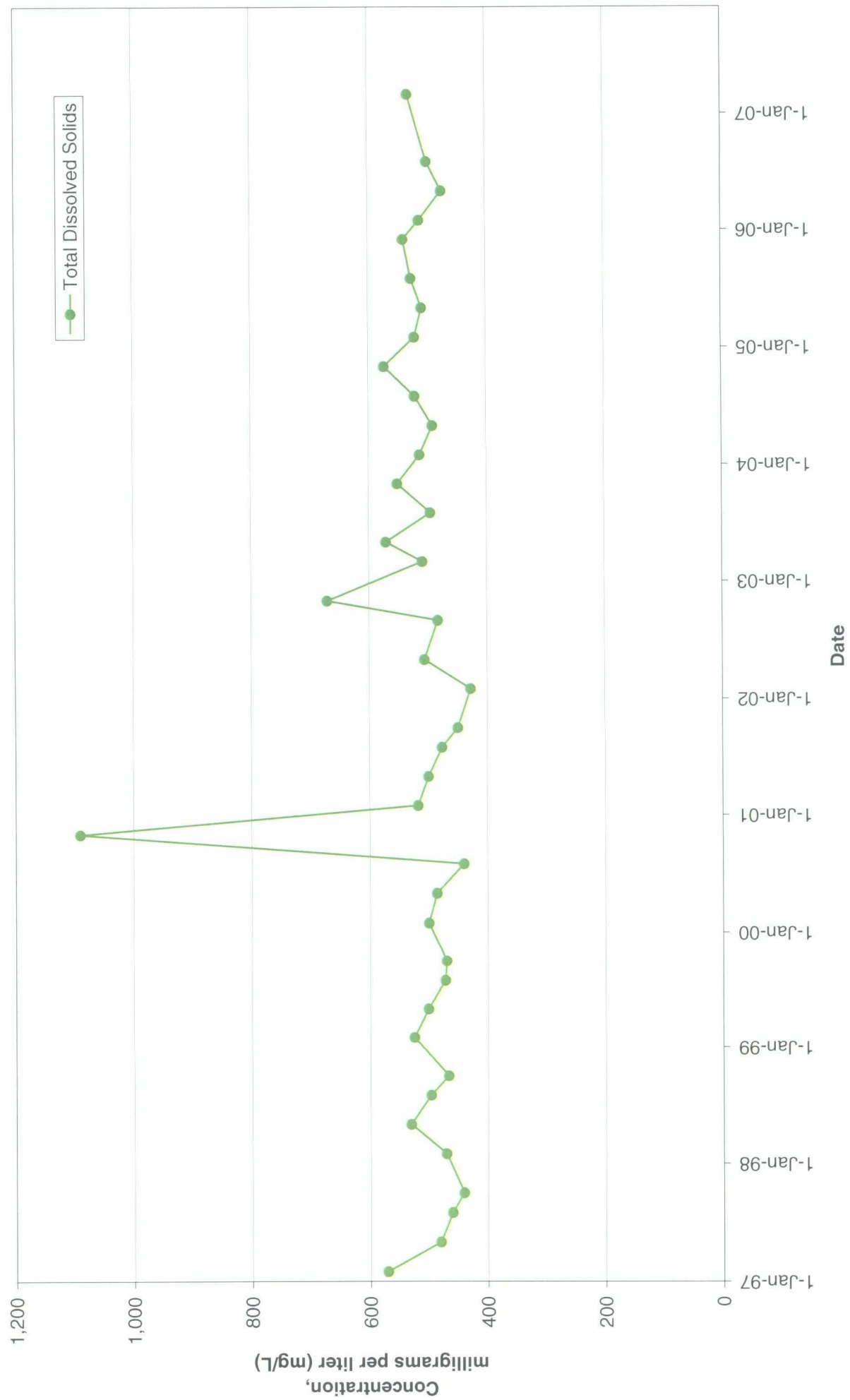
Graph 38 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-13



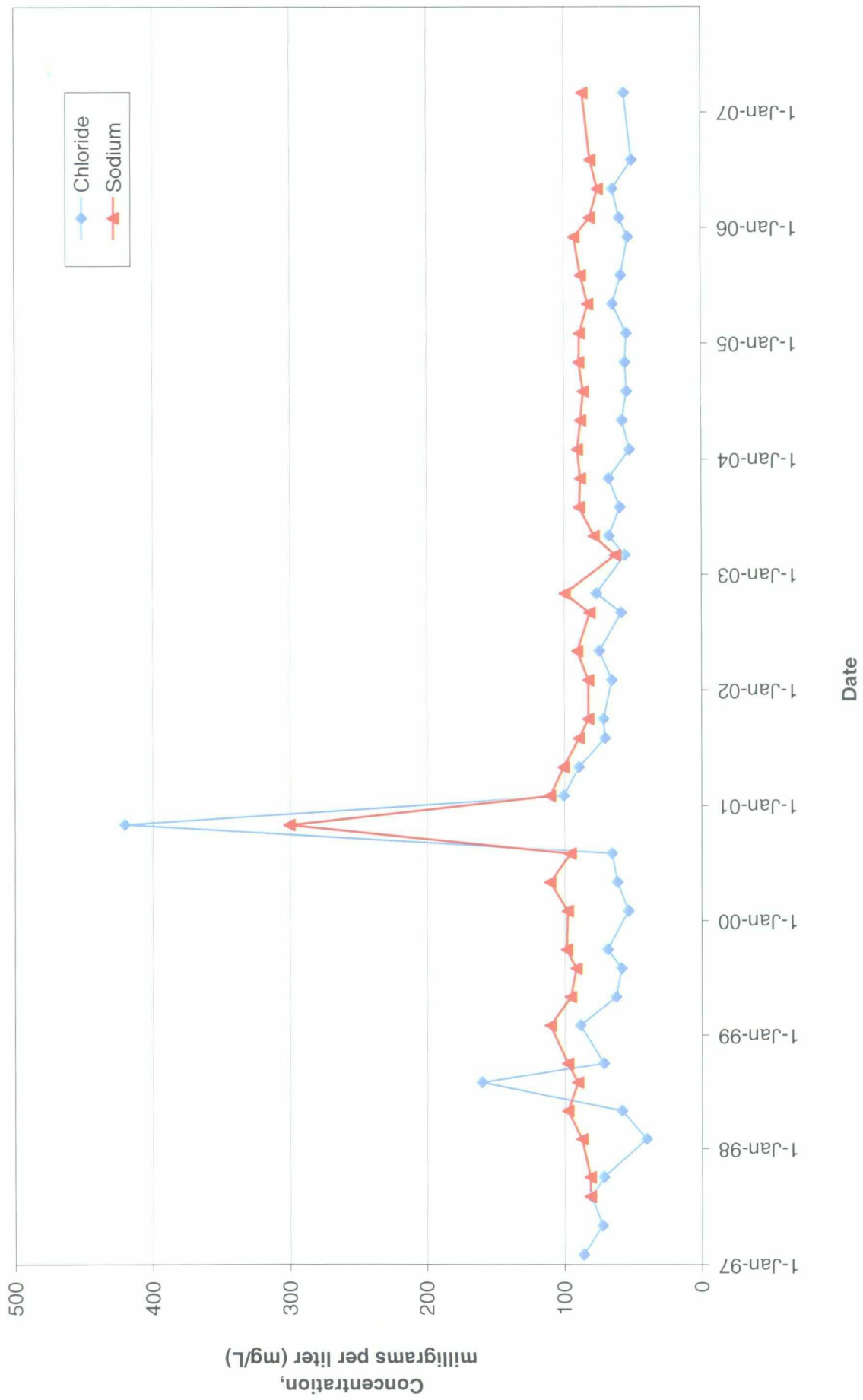
Graph 39 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-13



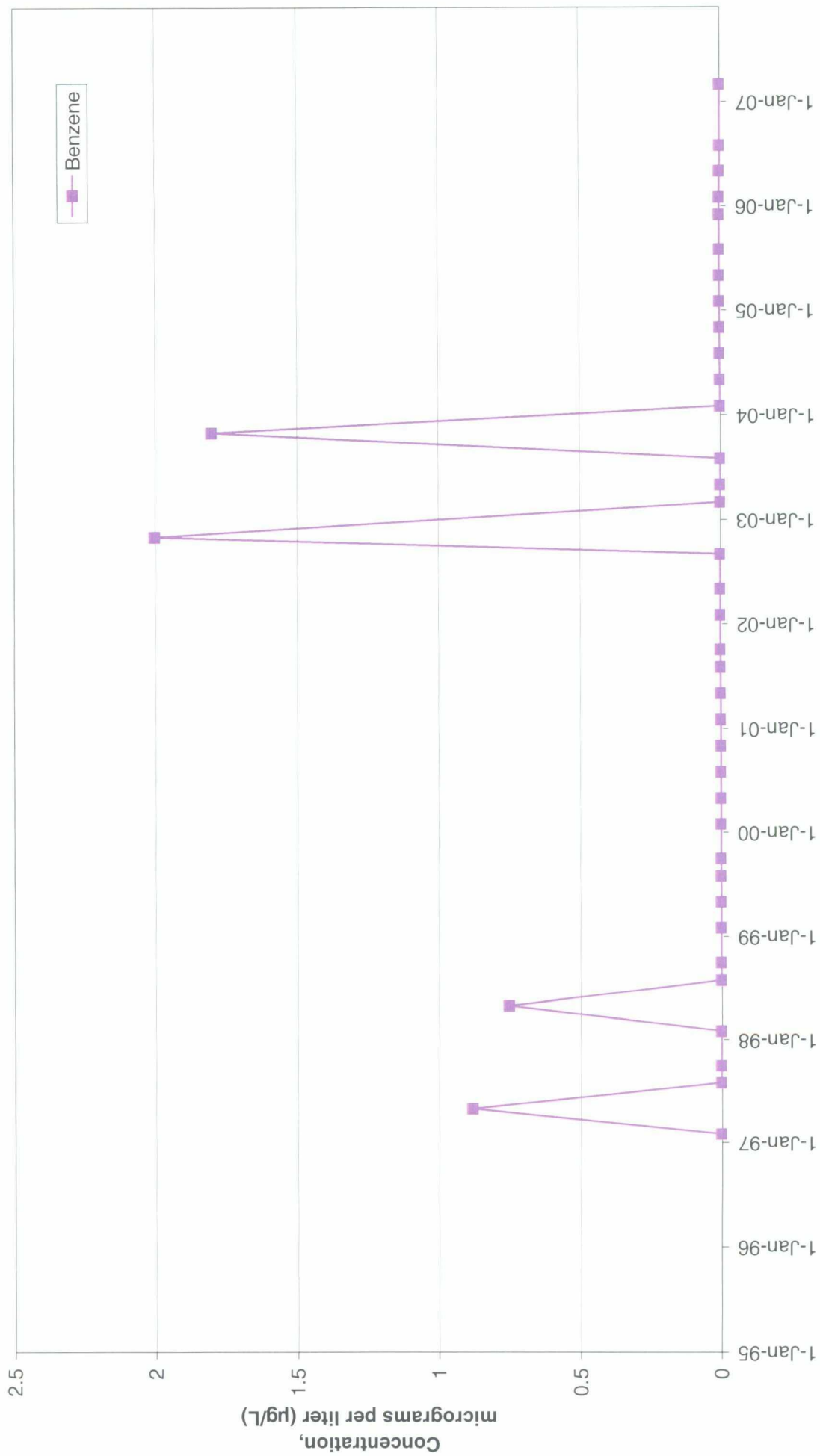
Graph 40 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-14



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

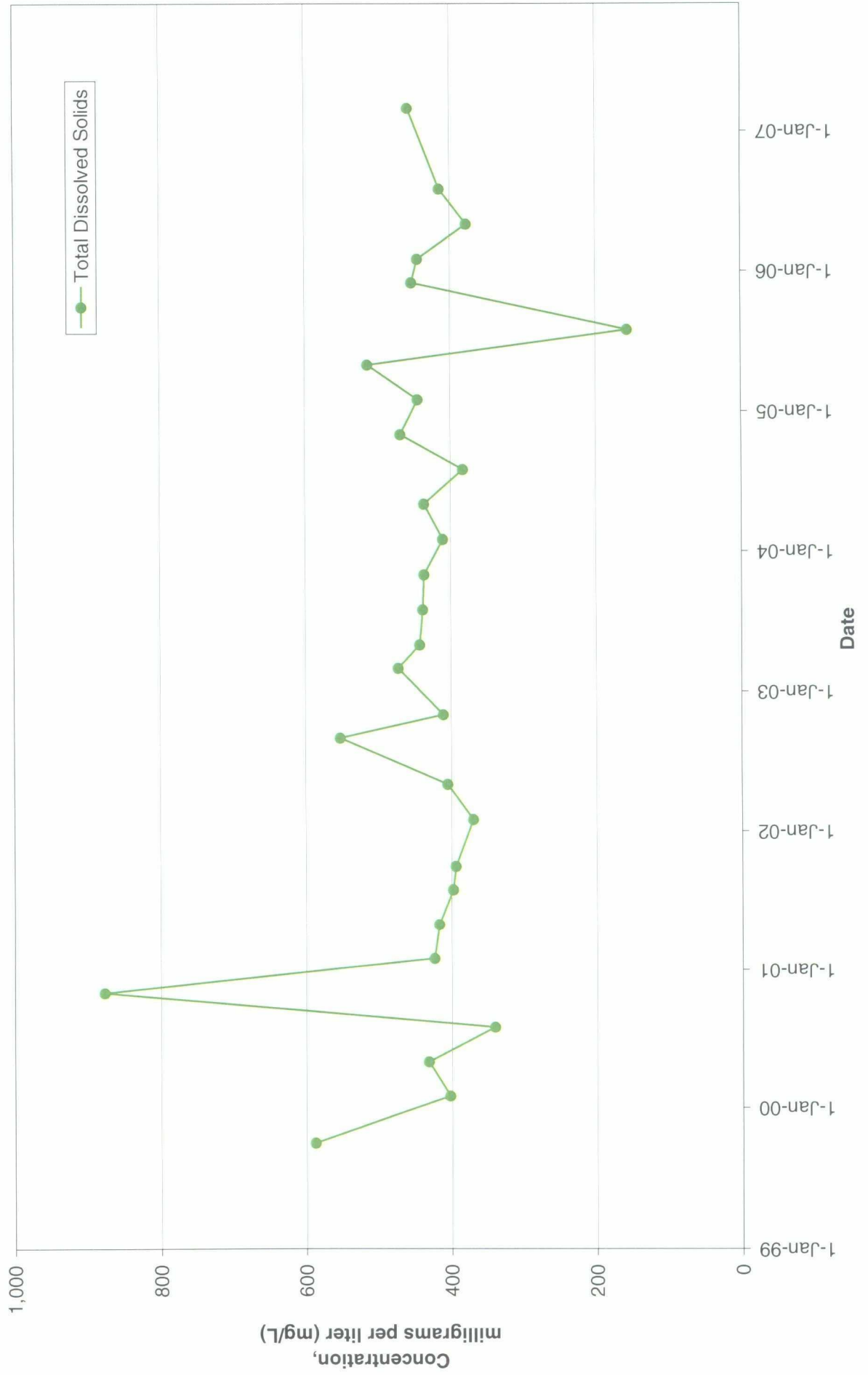


Graph 42 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-14

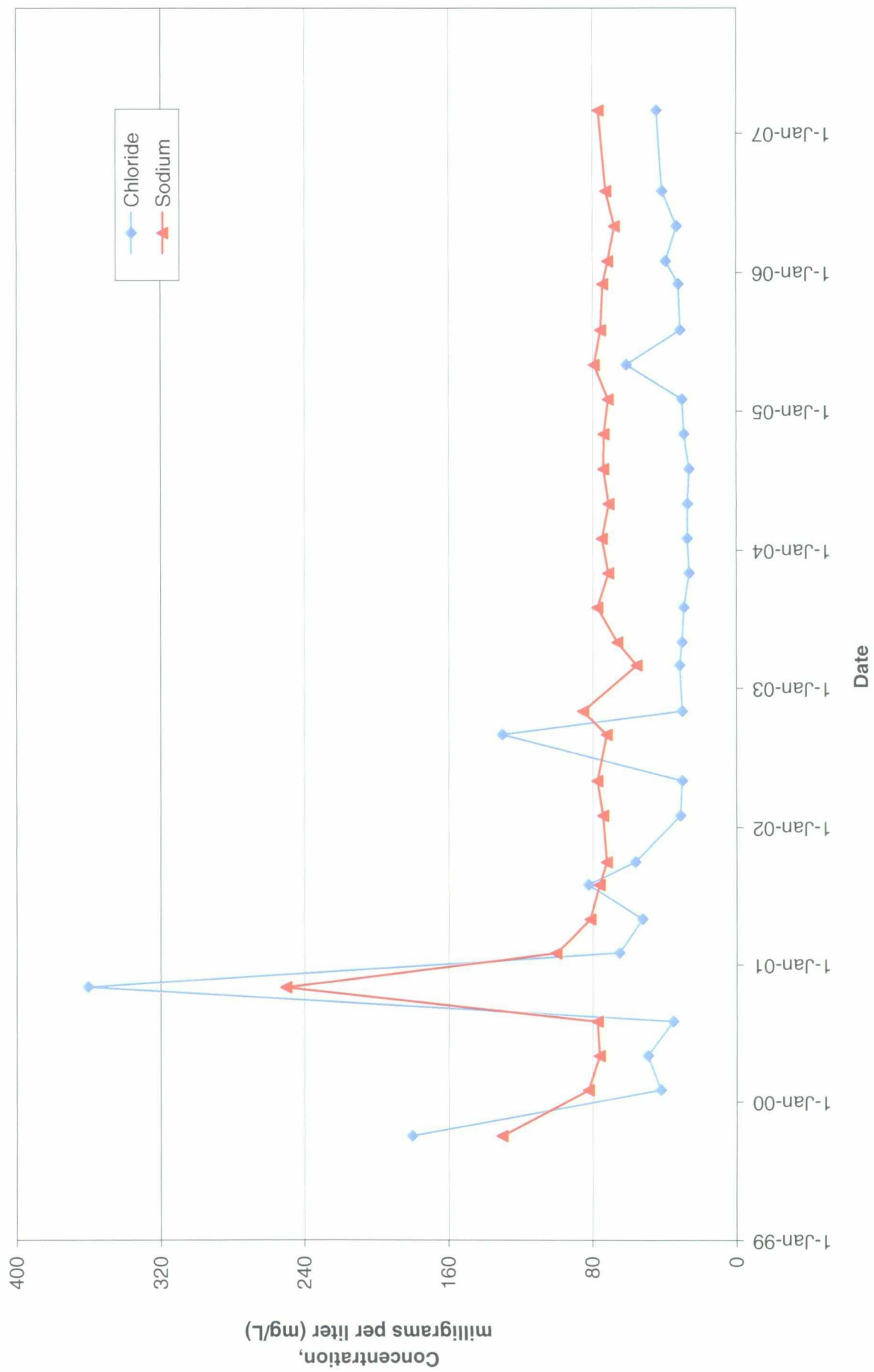


A zero (0) has been plotted for results less than the laboratory reporting limit.

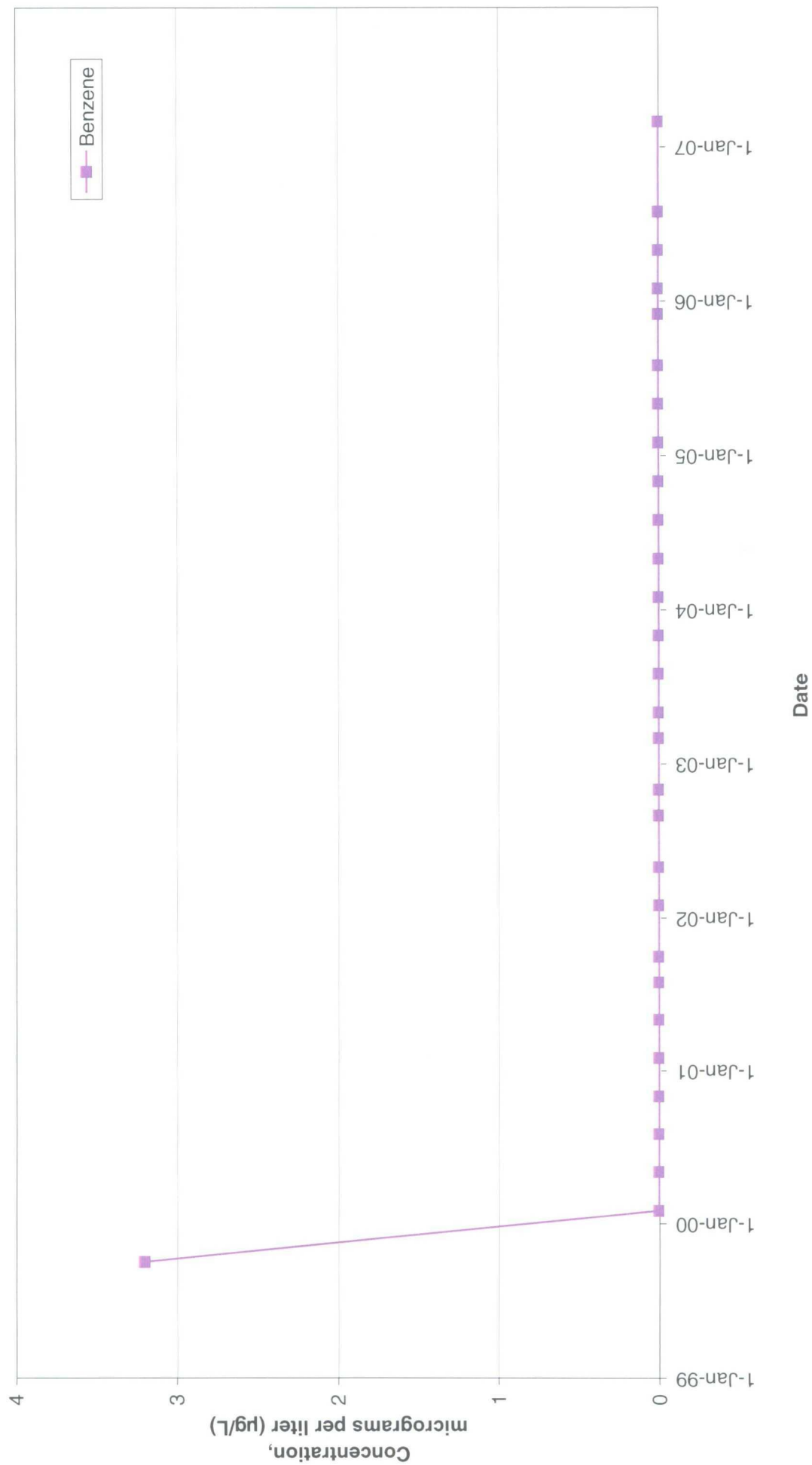
Graph 43 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-15



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.

APPENDICES

APPENDIX A

**REPORT SUBMITTAL
DELAY CORRESPONDENCE**



RECEIVED

JAN 25 2007

BENHART TULSA

CERTIFIED MAIL # 7001 1940 0002 1371 8086

January 23, 2006

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

**RE: Delay in Submittal of the 2006 Annual Groundwater Remediation Report Jal No. 4
Plant Lea, County, New Mexico**

Dear Mr. Martin:

The purpose of this letter is to notify the New Mexico Oil Conservation Division that El Paso Natural Gas Company (EPNG) must delay the submittal of the 2006 Annual Groundwater Remediation Report (due February 15, 2007) because of problems with the analytical data from the fourth quarter 2006 sampling event. Within this data set, a number of the chloride, sodium and TDS results failed a mass balance assessment indicating that the data was not reliable. As you are aware, the results for these parameters are critical to evaluating the performance of EPNG's remediation system. As a result, EPNG has decided to resample all the monitoring wells for these parameters to ensure a reliable data set. The earliest the re-sampling event can be scheduled is the week of February 5, 2007, weather permitting. This will result in a revised submittal due date for the 2006 Annual Groundwater Remediation Report of March 30, 2006.

EPNG apologizes for the unexpected delay of the annual report submittal, but feels it is important to maintain high quality data for accurate evaluation of remedial efforts at Jal #4. If you have any questions or concerns regarding the delay in submittal of the 2006 Annual Groundwater Remediation Report, please call me at (719) 520-4433.

Sincerely,

Scott T. Pope P.G.
Principal Environmental Scientist

xc: Mr. Chris Williams, NMOCD, Hobbs
Mr. Darrell Campbell, EPNG
Mr. Buddy Richardson, BI
Jal 4 file



infrastructure & environment

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Tulsa, OK 74103

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Fax 918.496.0132

info@benham.com
www.benham.com

March 20, 2007

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

**Re: Delay in Submittal of 2006 Annual Groundwater Remediation Report
Jal No. 4 Plant
Lea County, New Mexico**

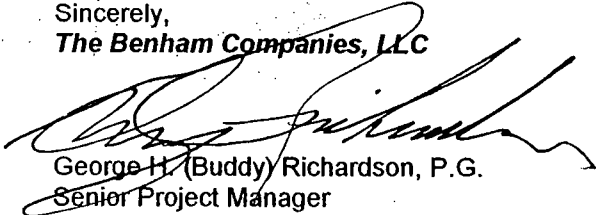
Dear Mr. Martin:

On January 23, 2007, Mr. Scott Pope with El Paso Natural Gas Company (EPNG) submitted to the New Mexico Oil Conservation Division a written notice that there would be a delay in EPNG's submittal of the 2006 Annual Groundwater Remediation Report for the Jal No. 4 Plant. This delay occurred because EPNG identified substantive quality issues within the laboratory analytical data for the Q4/2006 sampling event. These problems required EPNG to resample the wells and have the second set of samples analyzed; this time by another laboratory. In this letter, EPNG stated that the annual report would be submitted on or before March 30, 2007.

EPNG will be unable to meet this submittal date because of adverse weather and staff health issues. EPNG did resample the wells on March 5 through 8, 2007, and the data is currently being received and evaluated. The Benham Companies, LLC, on behalf of our client EPNG, respectfully requests that the submittal date now be extended until May 14, 2007.

If you have questions concerning this delay in submittal of the 2006 Annual Groundwater Remediation Report, please do not hesitate to contact Mr. Scott Pope at 719-520-4433, or myself at 918-599-4382.

Sincerely,
The Benham Companies, LLC



George H. (Buddy) Richardson, P.G.
Senior Project Manager

xc: Scott Pope, EPNG, Colorado Springs, CO

APPENDIX B

**LABORATORY ANALYTICAL REPORTS
AND CHAIN-OF-CUSTODY DOCUMENTATION**