

GW-107

2010 GW Annual Report

DATE:
02.11.11



GW-107

Via Federal Express

February 11, 2011

Mr. Glenn Von Goten
New Mexico Oil Conservation Division
1220 St. Francis Dr.
Santa Fe, NM 87505

**RE: 2010 Annual Groundwater Remediation Report
Jal No. 4 Plant
Lea County, New Mexico
NMOCD Case # GW-107R**

Dear Mr. Von Goten:

On behalf of El Paso Natural Gas Company, SAIC Energy, Environment & Infrastructure, LLC, formerly The Benham Companies, LLC, hereby submits the enclosed *2010 Annual Groundwater Remediation Report Jal No. 4 Plant Lea County, New Mexico* (Report). This Report details remediation efforts conducted at the Site during calendar year 2010.

If you have any questions concerning the Report please call Mr. Ian Yanagisawa at (713) 420-7361 or myself at (918) 599-4383.

Sincerely,

SAIC Energy, Environment & Infrastructure, LLC

Bruce McKenzie, P.G.
Project Manager

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SEE&I File - w/enclosures

**2010 ANNUAL
GROUNDWATER REMEDIATION REPORT
JAL NO. 4 PLANT
LEA COUNTY, NEW MEXICO
NMOCD CASE #GW-107R**

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February 11, 2011

TABLE OF CONTENTS

LIST OF TABLES	i
LIST OF FIGURES	i
LIST OF GRAPHS	ii
LIST OF APPENDICES	iii
1.0 INTRODUCTION	1
1.1 PROGRAM WELLS AND SAMPLING SCHEDULE	1
1.2 NON-PROGRAM WELLS AND SAMPLING SCHEDULE	3
1.3 DEPTH TO GROUNDWATER MEASUREMENTS	4
1.4 SAMPLING PROCEDURES	4
2.0 RESULTS OF MONITORING ACTIVITIES	5
2.1 FIELD MEASUREMENTS	5
2.2 INORGANIC CONSTITUENTS	5
2.3 ORGANIC CONSTITUENTS	7
3.0 GROUNDWATER REMEDIATION SYSTEM	9
4.0 CONCLUSIONS	11
5.0 RECOMMENDATIONS	13

LIST OF TABLES

- | | |
|---|---|
| 1 | Summary of Depth to Groundwater Measurements |
| 2 | Summary of Laboratory Analyses of Groundwater Samples |
| 3 | Summary of 2010 Groundwater Recovery/Disposal Volumes |

LIST OF FIGURES

- | | |
|---|--|
| 1 | Plant Location and Topographic Features |
| 2 | Groundwater Potentiometric Surface of Uppermost Groundwater System - February 17-25, 2010 |
| 3 | Groundwater Potentiometric Surface of Uppermost Groundwater System - June 28-29, 2010 |
| 4 | Groundwater Potentiometric Surface of Uppermost Groundwater System - September 20-21, 2010 |
| 5 | Groundwater Potentiometric Surface of Uppermost Groundwater System - December 6-9, 2010 |
| 6 | Isopleth of Chloride Concentrations in Groundwater in 2010 |
| 7 | Isopleth of Benzene Concentrations in Groundwater in 2010 |

LIST OF GRAPHS

- 1 Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-01
- 2 Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-01
- 3 Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-01
- 4 Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-02A
- 5 Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-02A
- 6 Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-02A
- 7 Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-03
- 8 Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-03
- 9 Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-03
- 10 Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-04
- 11 Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-04
- 12 Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-04
- 13 Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-05
- 14 Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-05
- 15 Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-05
- 16 Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-06
- 17 Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-06
- 18 Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-06
- 19 Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-07
- 20 Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-07
- 21 Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-07
- 22 Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-08
- 23 Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-08
- 24 Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-08
- 25 Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-09

26	Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-09
27	Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-09
28	Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-10
29	Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-10
30	Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-10
31	Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-11
32	Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-11
33	Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-11
34	Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-12
35	Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-12
36	Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-12
37	Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-13
38	Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-13
39	Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-13
40	Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-14
41	Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-14
42	Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-14
43	Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-15
44	Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-15
45	Concentration Trend of Benzene in Groundwater Samples taken from Monitor Well ACW-15

LIST OF APPENDICES

A	Laboratory Analytical Reports and Chain-of-Custody Documentation
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ACRONYMS AND ABBREVIATIONS

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	Jal No. 4 Plant
Q1	First Quarter
Q2	Second Quarter
Q3	Third Quarter
Q4	Fourth Quarter
Report	2010 Annual Groundwater Remediation Report
SEE&I	SAIC Energy, Environment & Infrastructure, LLC
SW/4	Southwest quarter
TDS	Total dissolved solids
Texas LPG	Texas LPG Storage Company
TOC	Top of casing
WRI	Western Refining, Inc.

EL PASO NATURAL GAS COMPANY
JAL NO. 4 PLANT, LEA COUNTY, NEW MEXICO
2010 ANNUAL GROUNDWATER REMEDIATION REPORT
February 11, 2011

1.0 INTRODUCTION

SAIC Energy, Environment & Infrastructure, LLC (SEE&I), formerly The Benham Companies, LLC, has been retained by El Paso Natural Gas Company (EPNG) to compile the 2010 Annual Groundwater Remediation Report (Report) for the Jal No. 4 Plant (Plant) located in Lea County, New Mexico. The remedial activities conducted at the Plant have been performed under EPNG's Project Work Plan (Plan), dated February 1995. This Plan was approved by the New Mexico Oil Conservation Division (NMOCD) on April 27, 1995, with subsequent revisions approved on August 10, 1995, July 8, 1997 and July 30, 2002.

The Plant property is comprised of approximately 181 acres of land located west of State Highway 18, approximately 9 miles north of the town of Jal, New Mexico. The Plant property location and topographic features are shown on **Figure 1**. The Plant property occupies portions of Sections 31 and 32 of Township 23 South, Range 37 East, and Sections 5 and 6 of Township 24 South, Range 37 East 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. (WRI). WRI 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 7**.

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.

The 2009 4th quarter groundwater sampling event was conducted during the period February 17-25, 2010. These activities are discussed in the document titled *2009 Annual Groundwater Remediation Report*, submitted to the NMOCD on April 14, 2010. To reconcile the sampling schedule, the groundwater analytical data derived from the 4th quarter 2009 sampling event was utilized as the 1st quarter 2010 groundwater analytical data.

A list of EPNG's program monitoring wells and the calendar year 2010 sample collection schedule for each well is as follows:

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

Monitoring Well	Sampled Q1, Q2, Q3, and Q4	Sampled Q1 and Q4
ACW-14	X	
ACW-15	X	

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 has continued since their conversion to recovery wells.

1.2 NON-PROGRAM WELLS AND SAMPLING SCHEDULE

In addition to the program monitoring wells, EPNG also collects groundwater samples from two non-program monitoring wells (ENSR-1 and ENSR-3), one piezometer (PTP-1), one upgradient water supply well (EPNG-1), and two downgradient active water supply wells (Oxy Production Well and Doom Production Well). Monitoring well ENSR-2 was converted into a groundwater recovery well and connected to the remediation system active at the Plant in 2002. The ENSR wells are located within the Plant process areas as shown on **Figures 2** through **7**. Water supply well EPNG-1 is located at the northwest corner of the Plant property. The Oxy Production Well is located in the approximate center of Section 5 of Township 24 South, Range 37 East and provides potable water to Oxy's Myers Langlie Mattix Unit Water Injection Station. The locations of the Oxy injection station and supply well are shown on **Figures 2** through **7**. The Doom Production Well is a private water supply well that provides water to the residence of Mr. Jimmie 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 2010 sample collection schedule is as follows:

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

Well	Sampled Q1, Q2, Q3, and Q4	Sampled Q1 and Q4
Oxy Production Well	Out of service in 2010	
Doom Production Well	X	

1.3 DEPTH TO GROUNDWATER MEASUREMENTS

During each quarterly sampling event and prior to disturbing the water columns within each well, the static depths to groundwater within the well casings were measured 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 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 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 and contents, packed on ice and placed under chain-of-custody control for transfer to the analytical laboratory. The results of the 2010 groundwater analyses and all previous analyses are summarized in **Table 2**. Complete copies of the 2010 laboratory analytical reports and chain-of-custody documentation are provided on the CD-ROM in **Appendix A**.

2.0 RESULTS OF MONITORING ACTIVITIES

The following Sections summarize the field measurements and laboratory analytical results obtained throughout the 2010 sampling program. These data have been compared with historic data to assess any trends that may be apparent. To facilitate these comparisons, 45 trend graphs have been prepared that show the TDS, chloride, sodium and benzene concentrations that have been detected in the groundwater samples taken from the fifteen program monitoring wells. These graphs are presented in the section of this report tabbed "**Graphs**".

2.1 FIELD MEASUREMENTS

The depth to groundwater measurements taken during each of the sampling events are summarized on **Table 1**. These data indicate that the depths to groundwater across the Plant are approximately 100 feet below ground surface and that the static groundwater elevations exhibit little seasonal variability. In 2010, 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 2010 sampling events. These maps are presented on **Figures 2** through **5**. As is shown on these figures, the groundwater flow direction across the Plant is, in general, from the northwest to the southeast (S46°E). The hydraulic gradient across the Plant is approximately 0.002 feet per foot. In general, 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. SEE&I has reviewed the concentration trend graphs for these parameters in each of the program monitor wells. Based upon this review, it is SEE&I's opinion that certain trends are apparent in the levels of these parameters. The following table summarizes SEE&I's opinions of the trends that are observable in 2010 from the inorganic database provided herein. The trends observed in calendar year 2009 are shown in parentheses.

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

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

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

In general, these trends indicate that the overall levels of inorganic constituents are decreasing in four wells, increasing in seven wells, and have no observable trends in four 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

Monitoring Well with Increasing Overall Inorganic Levels

ACW-5 ACW-7 ACW-9 ACW-10 ACW-11
ACW-12 ACW-13

Monitoring Wells with No Observable Trend in Overall Inorganic Levels

ACW-3 ACW-8 ACW-14 ACW-15

Figure 6 presents an isopleth of the chloride concentrations detected in groundwater during the 2010 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 2010 monitoring program.

Decreasing or stable chloride trends are, in general, observed in the monitoring wells located adjacent to the recovery wells. 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. SEE&I has reviewed the concentration trend graphs for benzene in each of the program monitor wells. Based upon this review, it is SEE&I's opinion that certain trends are apparent in the levels of this compound. The following table summarizes SEE&I's opinions of the trends that are observable in 2010 from the benzene database provided herein. The trends observed in calendar year 2009 are shown in parentheses.

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

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

In general, these trends indicate that benzene levels are stable or decreasing across the Plant property (3 decreasing and 3 stable trends), and are predominantly stable off-site (8 stable and 1 increasing). The only increasing benzene trend was observed in off-site well ACW-7.

Monitoring Wells with Decreasing Overall Organic Levels

ACW-1 ACW-2A ACW-3

Monitoring Well with Increasing Overall Organic Levels

ACW-7

Monitoring Wells with No Observable Trend in Overall Organic Levels

ACW-4 ACW-5 ACW-6 ACW-8 ACW-9
ACW-10 ACW-11 ACW-12 ACW-13 ACW-14 ACW-15

It should be noted that during the 2010 first quarterly sampling event, the containers containing the groundwater samples for the organic analyses from monitoring well ACW-15 were broken in transit to the analytical laboratory. Therefore, no organic analytical data was obtained for this well during this sampling event.

Figure 7 presents an isopleth of the benzene concentrations detected in groundwater during the 2010 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 2010 monitoring program. As can be seen on **Figure 7**, benzene was detected in 10 on-site and 6 off-site monitoring/recovery wells. The highest benzene concentration observed in 2010 was detected in the groundwater sample taken from the on-site monitoring well RW-1 (120 µg/L).

During 2010, the benzene levels detected in the groundwater samples collected from on-site wells ENSR-1 (12 µg/L), ENSR-2 (30 µg/L), ENSR-3 (19 µg/L), ACW-2A (35 µg/L), ACW-3 (100 µg/L), ACW-4 (86 µg/L), ACW-8 (82 µg/L) and RW-1 (120 µg/L) exceeded the New Mexico Water Quality Control Commission (NMWQCC) groundwater standard of benzene of 10 µg/L. In addition, the benzene level detected in the groundwater sample collected from off-site well ACW-7 (15 µg/L) exceeded the NMWQCC groundwater standard of benzene of 10 µg/L. Except for the overall benzene concentration trend observed in monitoring well ACW-7, the levels of benzene in the groundwater at the Site appear to be stable or decreasing. 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. Since groundwater recovery was initiated from wells ACW-3 and ACW-8, the levels of benzene observed in the groundwater samples taken from monitoring well ACW-7 appear to have stabilized.

3.0 GROUNDWATER REMEDIATION SYSTEM

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

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 2010.

Groundwater recoveries from recovery wells RW-1, RW-2, ENSR-2, ACW-3 and ACW-8 in calendar year 2010 totaled 1,687,110 gallons, 2,109,680 gallons, 792,970 gallons, 1,530,130 gallons and 1,292,650 gallons respectively, and had an annual combined total of 7,412,540 gallons. This total volume is equivalent to 22.75 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
2007	2,629,732	2,178,570	1,523,379	1,022,737	2,151,891	9,506,309	29.17
2008	3,204,015	2,245,830	338,730	941,069	2,800,513	9,530,157	29.25
2009	2,506,620	2,532,290	1,582,660	1,775,300	1,445,460	9,842,330	30.21
2010	1,687,110	2,109,680	792,970	1,530,130	1,292,650	7,412,540	22.75
Cumulative Total	18,634,396	25,952,925	14,412,857	7,698,656	11,126,144	77,824,978	238.89

In calendar year 2010, EPNG made numerous modifications to the groundwater remediation system in an effort to minimize operational downtimes. These modifications included the installation of new surface piping, fittings, valves, heat tape and lightning arrestors on recovery wells RW-1, RW-2, ACW-3 and ACW-8, and the installation of new submersible pumps within recovery wells RW-1, RW-2 and ACW-8.

In late 2010, during well servicing operations, the submersible pump installed within groundwater recovery well ENSR-2 became stuck within the screened portion of the well and is irretrievable. Because of this issue the well has become unusable. Recovery well ENSR-2 will need to be plugged/abandoned and a new recovery well drilled/installed.

4.0 CONCLUSIONS

Based upon a review of the data presented herein, SEE&I 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 brine. The groundwater analytical data indicate that a chloride plume has migrated hydraulically downgradient from the Plant property. During 2010, 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 observed in the groundwater appear to be decreasing along the eastern property boundary of the Plant in the former source areas. The levels of chloride observed in downgradient monitoring wells ACW-13 (169 mg/L) and ACW-15 (72 mg/L) remain well below the New Mexico's Domestic Water Supply Standard of 250 mg/L.
- The shallow groundwater system beneath a portion of the Plant property has also been impacted by benzene. The groundwater analytical data indicate that these benzene impacts have migrated hydraulically downgradient of the Plant and extend onto adjacent properties. The levels of benzene detected in the groundwater taken from 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, the benzene concentrations observed in the 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 the groundwater samples collected from monitoring well ACW-7 appear to have an overall increasing trend.

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

5.0 RECOMMENDATIONS

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

- Recovery well ENSR-2 should be plugged/abandoned and a new recovery well should be drilled/installed and made operational.
- 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).
- 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. However, if future groundwater analytical data show that the contaminants are not continuing to be adequately captured, 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
			05/16/07	106.58	3194.29
			08/23/07	106.50	3194.37
			11/12/07	106.77	3194.10
			02/20/08	106.50	3194.37
			06/10/08	106.65	3194.22
			08/08/08	106.69	3194.18
			11/17/08	106.64	3194.23
			03/04/09	106.91	3193.96
			05/18/09	106.94	3193.93
			08/27/09	106.90	3193.97
			02/24/10	106.55	3194.32
			06/28/10	106.51	3194.36
			09/20/10	106.49	3194.38
			12/06/10	106.47	3194.40
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

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

Monitor Well	Screened Interval (Feet-BGL)	Top of Casing Elevation (Feet-AMSL)	Depth to Groundwater Measurement Date	Depth to Groundwater (Feet-TOC)	Groundwater Elevation (Feet-AMSL)
ACW-02A (cont.)			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
			05/16/07	108.03	3192.85
			08/23/07	107.18	3193.70
			11/12/07	108.37	3192.51
			02/20/08	108.05	3192.83
			06/10/08	108.26	3192.62
			08/08/08	108.32	3192.56
			11/17/08	108.28	3192.60
			02/27/09	108.28	3192.60
			03/04/09	108.65	3192.23
			05/18/09	108.70	3192.18
			08/27/09	108.28	3192.60
			02/24/10	107.68	3193.20
			06/28/10	107.45	3193.43
			09/20/10	107.87	3193.01
			12/06/10	107.97	3192.91
ACW-03	112 to 132	3300.34	05/08/00	105.98	3194.36
			10/26/00	106.21	3194.13
			05/01/01	105.94	3194.40
			10/23/01	106.15	3194.19
			04/30/02	106.30	3194.04
			09/24/02	106.13	3194.21
			11/03/02	106.44	3193.90
			03/31/03	106.31	3194.03
			05/20/03	106.42	3193.92
			08/18/03	106.53	3193.81
			11/03/03	106.19	3194.15
			02/25/04	106.18	3194.16
			05/13/04	106.12	3194.22
			08/25/04	106.61	3193.73
			11/09/04	106.69	3193.65
			02/15/05	106.53	3193.81
			05/23/05	106.68	3193.66
			08/23/05	pumping	NM
			12/12/05	pumping	NM
			02/14/06	pumping	NM
			05/09/06	pumping	NM
			08/23/06	pumping	NM
			12/11/06	pumping	NM
			03/05/07	pumping	NM
			05/16/07	pumping	NM

Table 1

**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-03 (cont.)			08/23/07	pumping	NM
			11/12/07	pumping	NM
			02/20/08	pumping	NM
			06/10/08	pumping	NM
			08/08/08	pumping	NM
			11/18/08	pumping	NM
			03/04/09	pumping	NM
			05/18/09	pumping	NM
			08/27/09	pumping	NM
			02/24/10	pumping	NM
			06/28/10	pumping	NM
			09/20/10	pumping	NM
			12/06/10	pumping	NM
ACW-04	154 to 169	3299.48	05/08/00	113.57	3185.91
			10/26/00	113.25	3186.23
			05/02/01	106.00	3193.48
			10/22/01	107.99	3191.49
			04/30/02	107.88	3191.60
			09/24/02	107.71	3191.77
			11/02/02	107.90	3191.58
			03/31/03	107.90	3191.58
			05/20/03	107.76	3191.72
			08/18/03	113.13	3186.35
			11/04/03	107.34	3192.14
			02/25/04	107.18	3192.30
			05/13/04	107.07	3192.41
			08/25/04	110.90	3188.58
			11/09/04	110.51	3188.97
			02/15/05	109.64	3189.84
			05/25/05	109.40	3190.08
			08/23/05	112.98	3186.50
			12/12/05	107.43	3192.05
			02/14/06	113.71	3185.77
			05/09/06	112.42	3187.06
			08/23/06	107.80	3191.68
			12/11/06	107.16	3192.32
			03/05/07	113.32	3186.16
			05/16/07	113.30	3186.18
			08/23/07	107.16	3192.32
			11/12/07	113.48	3186.00
			02/20/08	112.34	3187.14
			06/10/08	112.15	3187.33
			08/08/08	112.09	3187.39
			11/17/08	111.38	3188.10
			03/04/09	112.30	3187.18
			05/18/09	112.21	3187.27
			08/27/09	109.86	3189.62
			02/24/10	108.71	3190.77
			06/28/10	107.62	3191.86
			09/20/10	110.23	3189.25
			12/06/10	110.77	3188.71
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

**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.)			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
			08/01/01	103.46	3191.29
			10/24/01	103.70	3191.05
			02/20/02	103.70	3191.05
			04/30/02	103.70	3191.05
			09/24/02	103.57	3191.18
			11/06/02	103.81	3190.94
			03/31/03	103.72	3191.03
			05/20/03	103.85	3190.90
			08/18/03	103.79	3190.96
			11/05/03	103.70	3191.05
			02/25/04	103.77	3190.98
			05/13/04	103.73	3191.02
			08/25/04	103.88	3190.87
			11/12/04	103.97	3190.78
			02/15/05	103.88	3190.87
			05/25/05	103.93	3190.82
			08/23/05	103.92	3190.83
			12/13/05	103.90	3190.85
			02/14/06	103.99	3190.76
			05/09/06	103.98	3190.77
			08/23/06	104.15	3190.60
			12/12/06	104.11	3190.64
			03/07/07	104.11	3190.64
			05/16/07	104.09	3190.66
			08/23/07	104.18	3190.57
			11/14/07	104.11	3190.64
			02/20/08	103.97	3190.78
			06/10/08	104.17	3190.58
			08/08/08	104.19	3190.56
			11/18/08	104.12	3190.63
			03/04/09	104.25	3190.50
			05/18/09	104.24	3190.51
			08/27/09	102.30	3192.45
			02/18/10	104.16	3190.59
			06/28/10	104.16	3190.59
			09/20/10	104.20	3190.55
			12/06/10	104.18	3190.57
ACW-06	110 to 120	3300.53	02/19/97	107.53	3193.00
			05/08/97	107.50	3193.03
			08/18/97	107.51	3193.02
			10/22/97	107.57	3192.96
			02/24/98	107.54	3192.99
			05/13/98	107.55	3192.98
			08/11/98	107.57	3192.96
			10/21/98	107.70	3192.83
			02/23/99	107.68	3192.85
			05/13/99	107.62	3192.91
			08/11/99	107.60	3192.93
			10/21/99	107.68	3192.85
			02/22/00	107.72	3192.81
			05/10/00	107.75	3192.78
			08/07/00	107.84	3192.69

**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-06 (cont.)			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
			05/16/07	108.41	3192.12
			08/23/07	108.45	3192.08
			11/13/07	108.50	3192.03
			02/20/08	108.35	3192.18
			06/10/08	108.30	3192.23
			08/08/08	108.53	3192.00
			11/18/08	108.51	3192.02
			03/04/09	108.61	3191.92
			05/18/09	108.63	3191.90
			08/27/09	108.64	3191.89
			02/18/10	108.44	3192.09
			06/28/10	108.43	3192.10
			09/20/10	108.44	3192.09
			12/06/10	108.37	3192.16
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

**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 (cont.)			02/14/06	103.92	3191.44
			05/09/06	104.00	3191.36
			08/23/06	104.11	3191.25
			12/12/06	103.91	3191.45
			03/07/07	104.02	3191.34
			05/16/07	104.00	3191.36
			08/23/07	104.00	3191.36
			11/13/07	103.92	3191.44
			02/20/08	103.71	3191.65
			06/10/08	104.04	3191.32
			08/08/08	104.11	3191.25
			11/18/08	104.03	3191.33
			03/04/09	104.22	3191.14
			05/18/09	104.24	3191.12
			08/27/09	104.23	3191.13
			02/19/10	103.89	3191.47
			06/28/10	103.88	3191.48
ACW-08	140 to 173	3297.27	09/20/10	104.00	3191.36
			12/06/10	103.94	3191.42
			05/11/99	104.17	3193.10
			10/18/99	104.29	3192.98
			05/09/00	104.40	3192.87
			10/26/00	104.64	3192.63
			05/01/01	104.48	3192.79
			10/24/01	104.60	3192.67
			04/29/02	104.81	3192.46
			09/24/02	104.51	3192.76
			11/04/02	104.72	3192.55
			03/31/03	104.71	3192.56
			05/20/03	104.85	3192.42
			08/18/03	104.82	3192.45
			11/03/03	104.62	3192.65
			02/25/04	104.70	3192.57
			05/13/04	104.62	3192.65
			08/25/04	104.92	3192.35
			11/09/04	104.97	3192.30
			02/15/05	104.91	3192.36
			05/24/05	pumping	NM
			08/23/05	pumping	NM
			12/12/05	pumping	NM
			02/14/06	pumping	NM
			05/09/06	pumping	NM
			08/23/06	pumping	NM
			12/11/06	pumping	NM
			03/06/07	pumping	NM
			05/16/07	pumping	NM
			08/23/07	pumping	NM
			11/12/07	pumping	NM
			02/20/08	pumping	NM
			06/10/08	pumping	NM
			08/08/08	pumping	NM
			11/18/08	pumping	NM
			03/04/09	pumping	NM
			05/18/09	pumping	NM
			08/27/09	pumping	NM
			02/24/10	pumping	NM
			06/28/10	pumping	NM
			09/20/10	pumping	NM
			12/06/10	pumping	NM

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

Monitor Well	Screened Interval (Feet-BGL)	Top of Casing Elevation (Feet-AMSL)	Depth to Groundwater Measurement Date	Depth to Groundwater (Feet-TOC)	Groundwater Elevation (Feet-AMSL)
ACW-09	140 to 160	3302.47	02/19/97	110.24	3192.23
			05/08/97	110.25	3192.22
			08/19/97	110.26	3192.21
			10/23/97	110.28	3192.19
			02/24/98	110.29	3192.18
			05/13/98	110.30	3192.17
			08/11/98	110.32	3192.15
			10/21/98	110.40	3192.07
			02/23/99	110.54	3191.93
			05/13/99	110.45	3192.02
			08/11/99	110.45	3192.02
			10/22/99	110.50	3191.97
			02/22/00	111.18	3191.29
			05/12/00	111.89	3190.58
			08/07/00	111.22	3191.25
			10/26/00	112.20	3190.27
			02/20/01	112.41	3190.06
			05/04/01	110.85	3191.62
			08/01/01	110.70	3191.77
			10/25/01	112.17	3190.30
			02/20/02	111.98	3190.49
			05/01/02	111.29	3191.18
			09/24/02	111.08	3191.39
			11/06/02	112.11	3190.36
			03/31/03	111.56	3190.91
			05/20/03	111.90	3190.57
			08/18/03	111.17	3191.30
			11/06/03	110.99	3191.48
			02/25/04	111.01	3191.46
			05/13/04	110.99	3191.48
			08/25/04	112.52	3189.95
			11/10/04	112.42	3190.05
			02/15/05	112.16	3190.31
			05/25/05	112.49	3189.98
			08/23/05	111.81	3190.66
			12/14/05	112.46	3190.01
			02/14/06	111.38	3191.09
			05/09/06	111.36	3191.11
			08/23/06	112.58	3189.89
			12/13/06	112.22	3190.25
			03/07/07	112.89	3189.58
			05/16/07	112.85	3189.62
			08/23/07	112.12	3190.35
			11/15/07	111.43	3191.04
			02/20/08	111.27	3191.20
			06/10/08	111.84	3190.63
			08/08/08	112.03	3190.44
			11/19/08	112.90	3189.57
			03/04/09	112.34	3190.13
			05/18/09	112.24	3190.23
			08/27/09	112.92	3189.55
			02/24/10	112.11	3190.36
			06/28/10	112.80	3189.67
			09/20/10	112.60	3189.87
			12/06/10	112.03	3190.44
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

Table 1

**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.)			08/11/98	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
			08/23/06	107.37	3190.20
			12/13/06	107.35	3190.22
			03/08/07	107.38	3190.19
			05/16/07	107.37	3190.20
			08/23/07	107.47	3190.10
			11/14/07	107.32	3190.25
			02/20/08	107.18	3190.39
			06/10/08	107.42	3190.15
			08/08/08	107.44	3190.13
			11/19/08	107.40	3190.17
			03/04/09	107.51	3190.06
			05/18/09	107.50	3190.07
			08/27/09	107.56	3190.01
			02/19/10	107.42	3190.15
			06/28/10	107.44	3190.13
			09/20/10	107.46	3190.11
			12/06/10	107.42	3190.15
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

**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-11 (cont.)			02/22/00	106.27	3193.06
			05/09/00	106.31	3193.02
			08/07/00	106.54	3192.79
			10/26/00	106.65	3192.68
			02/20/01	106.70	3192.63
			05/01/01	106.45	3192.88
			08/01/01	106.40	3192.93
			10/23/01	106.57	3192.76
			02/20/02	106.79	3192.54
			04/29/02	106.78	3192.55
			09/24/02	106.60	3192.73
			11/06/02	106.80	3192.53
			03/31/03	106.75	3192.58
			05/20/03	106.92	3192.41
			08/18/03	106.85	3192.48
			11/04/03	106.72	3192.61
			02/25/04	106.76	3192.57
			05/13/04	106.69	3192.64
			08/25/04	106.93	3192.40
			11/10/04	106.92	3192.41
			02/15/05	106.91	3192.42
			05/23/05	107.01	3192.32
			08/23/05	107.11	3192.22
			12/13/05	107.20	3192.13
			02/14/06	107.39	3191.94
			05/09/06	107.40	3191.93
			08/23/06	107.44	3191.89
			12/13/06	107.32	3192.01
			03/07/07	107.44	3191.89
			05/16/07	107.42	3191.91
			08/23/07	107.47	3191.86
			11/13/07	107.36	3191.97
			02/20/08	107.12	3192.21
			06/10/08	107.42	3191.91
			08/08/08	107.47	3191.86
			11/18/08	107.43	3191.90
			03/04/09	107.58	3191.75
			05/18/09	107.58	3191.75
			08/27/09	107.54	3191.79
			02/25/10	107.17	3192.16
			06/28/10	107.22	3192.11
			09/20/10	107.35	3191.98
			12/06/10	107.31	3192.02
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

**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.)			08/01/01	109.76	3189.80
			10/25/01	109.99	3189.57
			02/20/02	109.97	3189.59
			05/01/02	109.98	3189.58
			09/24/02	109.77	3189.79
			11/07/02	109.91	3189.65
			03/31/03	109.99	3189.57
			05/20/03	110.13	3189.43
			08/18/03	110.03	3189.53
			11/06/03	110.02	3189.54
			02/25/04	110.00	3189.56
			05/13/04	109.98	3189.58
			08/25/04	110.13	3189.43
			11/11/04	110.20	3189.36
			02/15/05	110.12	3189.44
			05/25/05	110.17	3189.39
			08/23/05	110.13	3189.43
			12/14/05	110.21	3189.35
			02/14/06	110.11	3189.45
			05/09/06	110.08	3189.48
			08/23/06	110.25	3189.31
			12/12/06	110.17	3189.39
			03/08/07	110.28	3189.28
			05/16/07	110.25	3189.31
			08/23/07	110.36	3189.20
			11/14/07	110.31	3189.25
			02/20/08	110.11	3189.45
			06/10/08	110.33	3189.23
			08/08/08	110.35	3189.21
			11/19/08	110.34	3189.22
			03/04/09	110.36	3189.20
			05/18/09	110.39	3189.17
			08/27/09	110.43	3189.13
			02/24/10	110.34	3189.22
			06/28/10	110.40	3189.16
			09/20/10	110.38	3189.18
			12/06/10	110.35	3189.21
ACW-13	153 to 173	3289.46	02/20/97	99.28	3190.18
			05/08/97	99.29	3190.17
			08/20/97	99.29	3190.17
			10/23/97	99.27	3190.19
			02/24/98	99.31	3190.15
			05/14/98	99.31	3190.15
			08/11/98	99.36	3190.10
			10/22/98	99.40	3190.06
			02/23/99	99.45	3190.01
			05/14/99	99.38	3190.08
			08/11/99	99.44	3190.02
			10/22/99	99.44	3190.02
			02/23/00	99.48	3189.98
			05/11/00	99.47	3189.99
			08/07/00	99.53	3189.93
			10/26/00	99.50	3189.96
			02/20/01	99.65	3189.81
			05/06/01	99.62	3189.84
			08/01/01	99.61	3189.85
			10/25/01	99.61	3189.85
			02/20/02	99.72	3189.74
			05/01/02	99.73	3189.73
			09/24/02	99.61	3189.85
			11/07/02	99.80	3189.66

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

Monitor Well	Screened Interval (Feet-BGL)	Top of Casing Elevation (Feet-AMSL)	Depth to Groundwater Measurement Date	Depth to Groundwater (Feet-TOC)	Groundwater Elevation (Feet-AMSL)
ACW-13 (cont.)			03/28/03	99.79	3189.67
			05/19/03	99.83	3189.63
			08/19/03	99.83	3189.63
			11/06/03	99.86	3189.60
			02/26/04	99.84	3189.62
			05/12/04	99.81	3189.65
			08/24/04	99.87	3189.59
			11/11/04	99.94	3189.52
			02/14/05	99.84	3189.62
			05/24/05	99.83	3189.63
			08/22/05	99.84	3189.62
			12/15/05	99.90	3189.56
			02/13/06	99.83	3189.63
			05/08/06	99.86	3189.60
			08/22/06	100.03	3189.43
			12/11/06	99.99	3189.47
			03/08/07	99.95	3189.51
			05/15/07	100.02	3189.44
			08/22/07	100.02	3189.44
			11/15/07	100.01	3189.45
			02/19/08	99.94	3189.52
			06/09/08	100.04	3189.42
			08/09/08	100.02	3189.44
			11/20/08	100.10	3189.36
			03/03/09	100.04	3189.42
			05/19/09	100.04	3189.42
			08/27/09	100.98	3188.48
			02/19/10	100.04	3189.42
			06/28/10	100.09	3189.37
			09/20/10	100.07	3189.39
			12/06/10	100.01	3189.45
ACW-14	157 to 177	3291.18	02/19/97	NM	NM
			05/06/97	NM	NM
			08/20/97	100.41	3190.77
			10/22/97	100.38	3190.80
			02/24/98	100.47	3190.71
			05/13/98	100.42	3190.76
			08/11/98	100.47	3190.71
			10/21/98	100.54	3190.64
			02/23/99	100.57	3190.61
			05/13/99	100.49	3190.69
			08/09/99	100.49	3190.69
			10/21/99	100.55	3190.63
			02/22/00	100.56	3190.62
			05/10/00	100.52	3190.66
			08/07/00	100.61	3190.57
			10/26/00	100.62	3190.56
			02/20/01	100.75	3190.43
			05/03/01	100.72	3190.46
			08/01/01	100.75	3190.43
			10/24/01	100.75	3190.43
			02/19/02	100.80	3190.38
			04/30/02	100.80	3190.38
			09/24/02	100.71	3190.47
			11/04/02	100.80	3190.38
			03/26/03	100.89	3190.29
			05/20/03	100.97	3190.21
			08/20/03	100.95	3190.23
			11/05/03	100.96	3190.22
			02/26/04	100.94	3190.24
			05/12/04	100.86	3190.32

**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 (cont.)			08/24/04	100.93	3190.25
			11/12/04	100.99	3190.19
			02/14/05	100.94	3190.24
			05/24/05	100.93	3190.25
			08/22/05	100.94	3190.24
			12/14/05	101.01	3190.17
			02/13/06	100.91	3190.27
			05/09/06	101.05	3190.13
			08/22/06	101.15	3190.03
			12/11/06	101.06	3190.12
			03/07/07	101.06	3190.12
			05/15/07	101.11	3190.07
			08/22/07	101.12	3190.06
			11/14/07	101.15	3190.03
			02/19/08	101.02	3190.16
			06/09/08	101.04	3190.14
			08/09/08	101.13	3190.05
			11/19/08	101.14	3190.04
			03/03/09	101.12	3190.06
			05/19/09	101.15	3190.03
			08/27/09	101.22	3189.96
			02/18/10	101.13	3190.05
			06/28/10	101.15	3190.03
			09/20/10	101.14	3190.04
			12/06/10	101.13	3190.05
ACW-15	150 to 170	3290.54	10/23/99	102.39	3188.15
			02/23/00	102.41	3188.13
			05/11/00	102.42	3188.12
			08/07/00	102.45	3188.09
			10/26/00	102.42	3188.12
			02/20/01	102.55	3187.99
			05/06/01	102.51	3188.03
			08/01/01	102.58	3187.96
			10/25/01	102.56	3187.98
			02/19/02	102.57	3187.97
			05/02/02	102.65	3187.89
			09/24/02	102.55	3187.99
			11/07/02	102.68	3187.86
			03/28/03	102.74	3187.80
			05/19/03	102.72	3187.82
			08/19/03	102.75	3187.79
			11/07/03	102.78	3187.76
			02/26/04	102.75	3187.79
			05/12/04	102.76	3187.78
			08/24/04	102.78	3187.76
			11/11/04	102.75	3187.79
			02/14/05	102.75	3187.79
			05/24/05	102.75	3187.79
			08/22/05	102.76	3187.78
			12/13/05	102.78	3187.76
			02/13/06	102.76	3187.78
			05/08/06	102.79	3187.75
			08/22/06	102.91	3187.63
			12/11/06	102.89	3187.65
			03/08/07	102.79	3187.75
			05/15/07	102.87	3187.67
			08/22/07	102.91	3187.63
			11/15/07	102.83	3187.71
			02/19/08	102.84	3187.70
			06/09/08	102.93	3187.61
			08/09/08	102.89	3187.65

**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.)			11/19/08	102.95	3187.59
			03/03/09	103.05	3187.49
			05/19/09	102.89	3187.65
			08/27/09	102.95	3187.59
			02/17/10	102.92	3187.62
			06/28/10	103.00	3187.54
			09/20/10	102.99	3187.55
			12/06/10	102.92	3187.62
ENSR-1	123 to 148	3305.40	02/25/04	108.63	3,196.77
			05/13/04	108.60	3,196.80
			08/25/04	108.57	3,196.83
			11/10/04	108.40	3,197.00
			12/13/05	108.33	3,197.07
			02/14/06	108.45	3,196.95
			05/09/06	108.61	3,196.79
			08/23/06	108.71	3,196.69
			12/15/06	108.50	3,196.90
			03/06/07	108.52	3,196.88
			05/16/07	108.52	3,196.88
			08/23/07	108.61	3,196.79
			11/13/07	108.54	3,196.86
			02/20/08	108.42	3,196.98
			06/10/08	108.58	3,196.82
			08/08/08	108.63	3,196.77
			11/18/08	108.75	3,196.65
			03/04/09	108.75	3,196.65
			05/18/09	108.82	3,196.58
			08/27/09	108.78	3,196.62
			02/25/10	108.38	3,197.02
			06/28/10	108.35	3,197.05
			09/20/10	108.39	3,197.01
			12/06/10	108.44	3,196.96
ENSR-3	123 to 148	3303.80	02/25/04	108.11	3,195.69
			05/13/04	108.07	3,195.73
			08/25/04	108.14	3,195.66
			11/10/04	108.10	3,195.70
			12/12/05	108.21	3,195.59
			02/14/06	108.26	3,195.54
			05/09/06	108.41	3,195.39
			08/23/06	108.52	3,195.28
			12/14/06	108.18	3,195.62
			03/06/07	108.35	3,195.45
			05/16/07	108.34	3,195.46
			08/23/07	108.31	3,195.49
			11/12/07	108.26	3,195.54
			02/20/08	108.08	3,195.72
			06/10/08	108.31	3,195.49
			08/08/08	108.38	3,195.42

**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)
ENSR-3 (cont.)			11/17/08	108.31	3,195.49
			03/04/09	108.54	3,195.26
			05/18/09	108.61	3,195.19
			08/27/09	108.57	3,195.23
			02/25/10	108.12	3,195.68
			06/28/10	108.12	3,195.68
			09/20/10	108.20	3,195.60
PTP-1	110 to 130	3304.41	12/06/10	108.18	3,195.62
			02/25/04	108.67	3,195.74
			05/13/04	108.65	3,195.76
			08/25/04	108.72	3,195.69
			11/10/04	108.60	3,195.81
			12/12/05	108.68	3,195.73
			02/14/06	108.83	3,195.58
			05/09/06	108.97	3,195.44
			08/23/06	109.06	3,195.35
			12/14/06	108.78	3,195.63
			03/06/07	108.91	3,195.50
			05/16/07	108.91	3,195.50
			08/23/07	108.87	3,195.54
			11/12/07	108.83	3,195.58
			02/20/08	108.64	3,195.77
			06/10/08	108.85	3,195.56
			08/08/08	108.93	3,195.48
			11/17/08	108.86	3,195.55
			03/04/09	109.09	3,195.32
			05/18/09	109.15	3,195.26
			08/27/09	109.13	3,195.28
			02/25/10	108.69	3,195.72
			06/28/10	108.68	3,195.73
			09/20/10	108.78	3,195.63
			12/06/10	108.76	3,195.65

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
ACW #01	ACW #01	05-Mar-93	--	--	--	--	--	--	--	--	--	14,350	--	8,505	4,045	--	--	--	--	--	--	--	--
ACW #01	ACW #01	15-Sep-93	--	--	--	--	--	--	--	--	--	10,360	--	6,016	2,915	--	--	--	--	--	--	--	--
ACW #01	ACW #01	10-Nov-93	--	--	--	--	--	--	--	--	--	11,780	--	7,340	3,683	--	--	--	--	--	--	--	--
ACW #01	ACW #01	20-Apr-94	--	--	--	--	--	--	--	--	--	16,520	--	8,430	5,400	--	--	--	--	--	--	--	--
ACW #01	ACW #01	27-Oct-94	--	--	--	--	--	--	--	--	--	14,630	--	8,440	3,700	--	--	--	--	--	--	--	--
ACW #01	ACW #01	16-May-95	<5	<10	<5	<5	<5	<5	<15	--	--	14,000	8.3	8,200	4,100	240	--	1.8	25	<2.0	--	--	--
ACW #01	ACW #01	27-Jun-95	4.6	4.6	<2.5	--	--	--	140	--	--	1,400	8.4	8,400	6,700	260	--	1.9	22	<2.0	--	--	--
ACW #01	ACW #01	29-Aug-95	6	<10	<5	--	--	--	<15	--	--	21,000	8.2	12,000	3,300	210	--	2.2	18	<20	--	--	--
ACW #01	ACW #01	06-Feb-96	6.1	3	1.9	--	--	--	2.8	--	--	16,000	8.3	9,700	5,200	280	--	2.1	0.88	0.02	--	--	--
ACW #01	ACW #01	29-Aug-96	5.6	2.7	3	--	--	--	<7.5	--	--	16,170	8.2	9,440	5,770	293	--	2.06	2.1	<1.25	--	--	--
ACW #01	ACW #01	06-May-96	6.3	2.03	<1.0	--	--	--	<3.0	--	--	14,620	8.2	8,190	4,130	268	--	<1.25	2.2	<1.25	--	--	--
ACW #01	ACW #01	13-Aug-96	3.5	1.2	<1.0	--	--	--	<2.0	--	--	12,000	8.1	7,400	3,500	270	--	1.9	4.9	<0.05	--	--	--
ACW #01	ACW #01	05-Nov-96	5.6	2.5	<1.0	--	--	--	1.3	--	--	11,000	8.1	7,200	3,700	250	--	2	4.4	<0.05	--	--	--
ACW #01	ACW #01	06-May-97	14	15	<5.0	--	--	--	5.7	--	--	14,800	--	8,800	5,200	--	--	--	--	--	--	--	--
ACW #01	ACW #01	21-Nov-97	6.1	4.8	<0.5	--	--	--	2.4	--	--	20,800	8.4	12,000	7,800	320	--	<2	2.1	<0.5	--	--	--
ACW #01D	ACW #01D	21-Nov-97	6.7	5.7	<0.5	--	--	--	2.1	--	--	20,700	8.2	12,000	7,500	320	--	2	2.2	<0.5	--	--	--
S98-0170	ACW #01	12-May-98	6.8	11	4.4	--	--	--	3.4	--	--	16,000	--	9,600	5,200	--	--	--	--	--	--	--	--
S98-0458	ACW #01	20-Oct-98	7	4	<2 Jm	--	--	--	<2 Jm	--	--	20,300	8.18	12,900	6,100	260	17.7	<5	2.3	<0.05	--	--	--
M99-0005	ACW #01	11-May-99	--	--	--	--	--	--	--	--	--	16,900	--	8,500	5,400	--	--	--	--	--	--	--	--
M99-0187	ACW #01	19-Oct-99	7.5	3.6	<2	--	--	--	<4	--	--	14,800	8.02	7,800	5,500	210	20.6	<4	2.2	<0.05	--	0.047	0.62
M00-0081	ACW #01	09-May-00	--	--	--	--	--	--	--	--	--	19,300	--	11,300	7,000	--	--	--	--	--	--	--	--
M00-0219	ACW #01	26-Oct-00	<2	<2	<2	--	--	--	8.3	--	--	15,500	8.13	9,900	5,500	300	15.2	<2	2.3	<1	--	--	0.30
M01-0133	ACW #01	01-May-01	--	--	--	--	--	--	--	--	--	14,200	--	7,640	5,300	--	--	--	--	--	--	--	--
M01-0469	ACW #01	22-Oct-01	<2	<2	<2	--	--	--	11.0	--	--	12,400	7.92	6,580	4,400	380	20.3	<5	2.5	<2.5	--	<0.05	0.21
2002040220-03	ACW #01	29-Apr-02	--	--	--	--	--	--	--	--	--	12,400	--	6,730	4,800	--	--	--	--	--	--	--	--
2002110896-6	ACW #01	03-Nov-02	<5.0	<5.0	<5.0	<10	<10	<5.0	<15	--	--	6,400	7.65 H	4,000	1,900	420	--	1.4	<0.40	<0.20	--	--	0.13
2003101363-9	ACW #01	04-Nov-03	2.2	<2.0	<2.0	--	--	--	<6.0	--	--	5,530	7.2	1,510	2,480	--	20.3	--	--	--	--	--	--
2004111601-3	ACW #01	09-Nov-04	<1.0	1.7	<1.0	--	--	--	<2.0	--	--	5,780	7.5	5,140	2,570	--	19.6	--	--	--	--	--	--
2005121523-3	ACW #01	12-Dec-05	<10	<10	<10	--	--	--	<30	--	--	7,650	7.0	3,500	1,770	--	21.8	--	--	--	--	--	--
2007030225-3	ACW #01	05-Mar-07	1.1	<1	<1	<1	<1	<1	<1	--	--	5,860	7.0	5,340	2,780	--	20.2	--	--	--	--	--	--
2007111584-3	ACW #01	12-Nov-07	1.2	<1	<1	<1	<1	<1	<1	--	--	5,850	7.0	4,500	2,040	--	19	--	--	--	--	--	--
2008111580-3	ACW #01	17-Nov-08	4.2	1.8	<1	<1	<1	<1	<1	--	--	7,600	6.8	4,150	2,010	--	18.8	--	--	--	--	--	--
100224-1010	ACW #01	24-Feb-10	<1	<1	<1	<1	<1	<1	<1	--	--	8,540	7.50	3,980	1,480	--	19.8	--	--	--	--	--	--
10120332-08	ACW#01	07-Dec-10	0.36 J	0.26 J	<1	<2	<1	<1	<1	--	--	4,900	7.48	4,620	1,770	--	19.6	--	--	--	--	--	--
ACW #02A	ACW #02A	08-May-97	140	100	<50	--	--	--	<100	--	--	26,800	--	17,000	11,000	--	--	--	--	--	--	--	--
ACW #02A	ACW #02A	20-Oct-97	89	100	13	--	--	--	26	--	--	24,400	9.2	16,000	8,600	<10	--	5	7.6	<0.5	--	--	--
ACW #02A	ACW #02A	11-May-98	120	210	20	--	--	--	33	--	--	26,000	--	16,000	8,200	--	--	--	--	--	--	--	--
S98-0455	ACW #02A	19-Oct-98	180	340	38	--	--	--	72	--	--	25,200	9.40	20,200	7,800	17	18.3	<5	12	<0.05	--	--	--
M99-0013	ACW #02A	12-May-99	--	--	--	--	--	--	--	--	--	24,400	--	12,000	7,400	--	--	--	--	--	--	--	--
M99-0181	ACW #02A	18-Oct-99	17 P	42 P	8.1 P	--	--	--	14 P	--	--	24,000	9.42	13,000	7,600	25	19.8	<4	16	<0.05	--	0.35	3.6
M00-0078	ACW #02A	08-May-00	--	--	--	--	--	--	--	--	--	21,500	--	13,600	7,200	--	--	--	--	--	--	--	--
M00-0215	ACW #02A	26-Oct-00	35	78	16	--	--	--	32	--	--	19,100	9.75	12,800	6,500	28	14.1	<2	11	<1	--	--	1.4
M01-0136	ACW #02A	02-May-01	--	--	--	--	--	--	--	--	--	18,500	--	10,900	5,400	--	--	--	--	--	--	--	--
M01-0468	ACW #02A	22-Oct-01	39	34	30	--	--	--	57	--	--	19,900	9.88	12,100	4,600	6.5	19.8	<10	11	<5	--	0.16	1.4
2002040220-11	ACW #02A	30-Apr-02	--	--	--	--	--	--	--	--	--	22,300	--	14,000	6,300	--	--	--	--	--	--	--	--
2002110896-4	ACW #02A	03-Nov-02	61	32	35	47	<20	<20	47	--	--	19,000	9.85 H	8,800	8,900	3.2	--	<0.50	14	<0.20	--	--	1.6
2003101363-11	ACW #02A	04-Nov-03	45.6 P	17.9 P	24.8 P	--	--	--	41.3 P	--	--	18,530	9.8	9,050	4,740	--	23.5	--	--	--	--	--	--
2003101363-12	ACW #02A-D	04-Nov-03	44.6 P	18.5 P	23.4 P	--	--	--	37.7 P	--	--	--	--	9,280	4,560	--	--	--	--	--	--	--	--
2004111601-4	ACW #02A	09-Nov-04	47.9	17.1	15.0	--	--	--	28.4	--	--	13,730	9.8	11,300	4,290	--	20.2	--	--	--	--	--	--
2005121523-4	ACW #02A	12-Dec-05	22.9	12.2 J	<20	--	--	--	<50	--	--	23,500	9.0	13,200	5,520	--	18.6	--	--	--	--	--	--
2007030225-4	ACW #02A	05-Mar-07	44	14	30	31	--	--	<60	--	--	18,650	9.1	11,900	5,760	--	20.3	--	--	--	--	--	--
2007111584-5	ACW #02A	12-Nov-07	120	3.9	66	44	17	61	42	--	--	19,420	8.7	11,900	5,950	--	20	--	--	--	--	--	--
2008111580-4	ACW #02A	17-Nov-08	16	2.4	6.1	6.6	2.1	8.7	8.7	--	--	21,100	8.7	12,700	7,400	--	21.2	--	--	--	--	--	--
1002241210	ACW #02A	24-Feb-10	35	11	18	13	4.5	17.5	17.5	--	--	17,600	9.10	9,640	6,700	--	19.9	--	--	--	--	--	--
10120332-12	ACW #02A	07-Dec-10	30	14	18	16	5.3	21.3	21.3	--	--	27,500	5.85	10,600	6,280	--	21.4	--	--	--	--	--	--
ACW #03	ACW #03	06-May-97	350	22	110	--	--	--	43	--	--	18,500	--	11,000	6,900	--	--	--	--	--	--	--	--
ACW #03	ACW #03	20-Oct-97	160	8.2	69	--	--	--	32	--	--	23,000	--	13,000	7,800	--	--	--	--	--	--	--	--
S98-0157	ACW #03	11-May-98	130	21	41	--	--	--	19	--	--	24,000	--	15,000	8,500	--	--	--	--	--	--	--	--
S98-0456	ACW #03	19-Oct-98	--	--	--	--	--	--	--	--	--	20,800	--	12,400	7,700	--	--	--	--	--	--	--	--
M99-0011	ACW #03	12-May-99	--	--	--	--	--	--	--	--	--	19,600	--	10,100	6,600	--	--	--	--	--	--	--	--
M99-0185	ACW #03	19-Oct-99	--	--	--	--	--	--	--	--	--	18,900	--	9,120	6,900	--	--	--	--	--	--	--	--
M00-0077	ACW #03	08-May-00	--	--	--	--	--	--	--	--	--	19,400	--	11,900	7,600	--	--	--	--	--	--	--	--

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
M00-0217	ACW #03	26-Oct-00	--	--	--	--	--	--	--	--	--	17,500	--	11,900	7,400	--	--	--	--	--	--	--	--
M01-0132	ACW #03	01-May-01	--	--	--	--	--	--	--	--	--	19,200	--	9,900	9,500	--	--	--	--	--	--	--	--
M01-0474	ACW #03	23-Oct-01	--	--	--	--	--	--	--	--	--	18,800	--	10,800	7,100	--	--	--	--	--	--	--	--
2002040220-13	ACW #03	30-Apr-02	--	--	--	--	--	--	--	--	--	18,500	--	10,600	6,000	--	--	--	--	--	--	--	--
2002110896-3	ACW #03	03-Nov-02	37	<10	28	<20	<10	<10	<30	--	--	13,000	7.56 H	13,000	4,700	13	--	2.2	<0.40	<0.20 H	--	--	0.043
2003101363-3	ACW #03	03-Nov-03	7.7	4.0	8.3	--	--	--	2.9 J	--	--	11,080	6.8	8,310	4,070	--	21.2	--	--	--	--	--	--
2004111601-8	ACW #03	09-Nov-04	13.7	5.4	7.0	--	--	--	6.60	--	--	12,290	6.3	8,580	4,980	--	21.2	--	--	--	--	--	--
2005050596-1	ACW #03	23-May-05	5.5	1.1 J	3.6	--	--	--	2.9 J	--	--	16,570	6.8	11,567	5,600	--	22.2	--	--	--	--	--	--
2005121523-24	ACW #03	14-Dec-05	103	34.2	23.7	--	--	--	19.3	--	--	21,100	6.9	12,600	6,500	--	16.8	--	--	--	--	--	--
2007030225-9	ACW #03	05-Mar-07	61	34	17	12	4.6	3.6	15.6	--	--	18,800	7.0	11,600	6,970	--	19.8	--	--	--	--	--	--
2007111584-7	ACW #03	12-Nov-07	34	17	3.5	4.6	1.8	6.4	--	--	--	18,620	7.0	11,200	6,210	--	19.9	--	--	--	--	--	--
2008111580-11	ACW #03	18-Nov-08	41	32	16	13	3.8	16.8	--	--	--	16,980	6.6	10,500	6,150	--	21.1	--	--	--	--	--	--
1002241350	ACW #03	24-Feb-10	46	25	21	20	6.3	26.3	--	--	--	1,000	7.95	10,600	5,940	--	22.3	--	--	--	--	--	--
10120332-10	ACW #03	07-Dec-10	100	130	20	24	8.3	32.3	--	--	--	2,750	5.67	13,000	7,950	--	26.9	--	--	--	--	--	--
ACW #04	ACW #04	06-May-97	29	12	<5.0	--	--	--	<10	--	--	48,500	--	25,000	21,000	--	--	--	--	--	--	--	--
ACW #04	ACW #04	20-Oct-97	170	150	<5.0	--	--	--	110	--	--	172,000	7.3	94,000	58,000	2,100	--	33	<0.5	<0.5	--	--	--
S98-0168	ACW #04	12-May-98	190	170	60	--	--	--	100	--	--	160,000	--	99,000	74,000	--	--	--	--	--	--	--	--
S98-0454	ACW #04	19-Oct-98	190	140	49	--	--	--	90	--	--	121,000	6.74	83,100	56,000	1,800	17.6	<20	0.51	<0.5	--	--	--
M99-0012	ACW #04	12-May-99	--	--	--	--	--	--	--	--	--	131,000	--	84,800	45,000	--	--	--	0.64	<0.05	--	<0.025	0.092
M99-0184	ACW #04	19-Oct-99	240	160	44	--	--	--	81	--	--	95,000	6.95	46,300	44,300	1,300	20.7	<20	--	--	--	--	--
M00-0079	ACW #04	08-May-00	--	--	--	--	--	--	--	--	--	106,000	--	72,300	47,000	--	--	--	--	--	--	--	--
M00-0216	ACW #04	26-Oct-00	63	17	41	--	--	--	190	--	--	25,600	7.73	16,300	10,000	88	15.1	<2	12	<1	--	--	0.47
M01-0137	ACW #04	02-May-01	--	--	--	--	--	--	--	--	--	29,600	--	17,400	12,000	--	--	--	--	--	--	--	--
M01-0467	ACW #04	22-Oct-01	12	3	32	--	--	--	100	--	--	35,300	7.15	21,400	13,000	200	20.2	<20	8.2	<10	--	<0.05	0.31
2002040220-12	ACW #04	30-Apr-02	--	--	--	--	--	--	--	--	--	35,600	--	24,500	15,000	--	--	--	--	--	--	--	--
2002110896-5	ACW #04	03-Nov-02	84	17	27	34	11	45	--	--	--	33,000	7.71 H	24,000	11,000	450	--	1.9	1.3	0.69	--	--	0.21
2003101363-10	ACW #04	04-Nov-03	44.8	5.5	15.0	--	--	--	26.5	--	--	22,400	6.9	20,900	14,200	--	21.7	--	--	--	--	--	--
2004111601-7	ACW #04	09-Nov-04	189 R	42.9	69.8	--	--	--	101	--	--	54,400	7.0	19,700 (20,000)	10,800	--	20.8	--	--	--	--	--	--
2005121523-5	ACW #04	12-Dec-05	96.6	55.7	76.1	--	--	--	136	--	--	25,100	7.7	13,900	5,520	--	18.9	--	--	--	--	--	--
2007030225-6	ACW #04	05-Mar-07	110	6.4	61	73	24	97	--	--	--	21,100	7.5	14,200	8,600	--	20.6	--	--	--	--	--	--
2007030225-7	ACW #04D	05-Mar-07	88	6.4	47.0	56	18	74	--	--	--	--	--	13,200	7,730	--	--	--	--	--	--	--	--
2007111584-6	ACW #04	12-Nov-07	71	12	34	45	15	60	--	--	--	30,700	8.7	15,000	8,670	--	20.2	--	--	--	--	--	--
2008111580-6	ACW #04	17-Nov-08	19	2.5	12	16	5.1	21.1	--	--	--	25,200	7.5	12,200	8,120	--	20.3	--	--	--	--	--	--
1002241505	ACW #04	24-Feb-10	18	2.4	6.7	8.6	2.7	11.3	--	--	--	69,700	8.35	16,500	9,730	--	20.3	--	--	--	--	--	--
10120332-13	ACW #04	07-Dec-10	86	7.9	24	30	10	40	--	--	--	27,000	7.21	36,400	28,000	--	17.7	--	--	--	--	--	--
ACW #05	ACW #05	10-Mar-93	--	--	--	--	--	--	--	--	--	10,400	--	6,110	2,544	--	--	--	--	--	--	--	--
ACW #05	ACW #05	17-Jun-93	--	--	--	--	--	--	--	--	--	4,480	--	323	1,228	--	--	--	--	--	--	--	--
ACW #05	ACW #05	16-Sep-93	--	--	--	--	--	--	--	--	--	4,140	--	3,064	650	--	--	--	--	--	--	--	--
ACW #05	ACW #05	09-Nov-93	--	--	--	--	--	--	--	--	--	4,390	--	3,202	720	--	--	--	--	--	--	--	--
ACW #05	ACW #05	21-Apr-94	--	--	--	--	--	--	--	--	--	4,131	--	3,300	800	--	--	--	--	--	--	--	--
ACW #05	ACW #05	28-Oct-94	--	--	--	--	--	--	--	--	--	4,500	--	3,112	550	--	--	--	--	--	--	--	--
ACW #05	ACW #05	31-Jan-95	--	--	--	--	--	--	--	--	--	4,050	--	2,848	499	--	--	--	--	--	--	--	--
ACW #05	ACW #05	16-May-95	<5	<10	<5	<5	<5	<5	<15	--	--	3,900	7.0	2,800	530	1,100	--	1.3	<1.0	3.5	--	--	--
ACW #05	ACW #05	27-Jun-95	<2.5	<2.5	<2.5	--	--	--	<5.0	--	--	3,800	7.3	2,800	460	800	--	1.1	<1.0	3.4	--	--	--
ACW #05	ACW #05	30-Aug-95	<5	<10	<5	--	--	--	<15	--	--	3,900	7.0	2,700	510	890	--	1	<10	<20	--	--	--
ACW #05	ACW #05	06-Feb-96	<1.0	<1.0	<1.0	--	--	--	<2.0	--	--	3,800	7.5	2,200	510	920	--	0.92	0.12	4.7	--	--	--
ACW #05	ACW #05	06-Feb-96	<2.5	<2.5	<2.5	--	--	--	<7.5	--	--	3,090	7.3	2,745	506	835	--	<1.25	0.29	4.9	--	--	--
ACW #05	ACW #05	08-May-96	<1.0	<1.0	<1.0	--	--	--	<3.0	--	--	3,650	7.2	2,460	519	653	--	4.5	0.42	5	--	--	--
ACW #05	ACW #05	13-Aug-96	<1.0	1.2	<1.0	--	--	--	<2.0	--	--	3,400	7.3	2,500	500	710	--	1	0.7	5.4	--	--	--
ACW #05	ACW #05	06-Nov-96	1.1	1.4	1.2	--	--	--	<2.0	--	--	3,300	7.5	2,300	500	710	--	1.2	0.57	<0.05	--	--	--
ACW #05	ACW #05	07-May-97	0.84	1.2	0.93	--	--	--	<1.0	--	--	3,020	--	2,000	430	--	--	--	--	--	--	--	--
ACW #05	ACW #05	22-Oct-97	0.9	1.6	0.8	--	--	--	1.9	--	--	3,160	7.7	2,000	470	320	--	1.7	0.6	6	--	--	--
S98-0183	ACW #05	13-May-98	0.79	1.5	0.77*	--	--	--	12*	--	--	3,100	--	2,800	570	--	--	--	--	--	--	--	--
S98-0470	ACW #05	21-Oct-98	--	--	--	--	--	--	--	--	--	2,930	--	1,910	440	--	--	--	--	--	--	--	--
M99-0020	ACW #05	13-May-99	--	--	--	--	--	--	--	--	--	3,190	--	1,960	450	--	--	--	--	--	--	--	--
M99-0196	ACW #05	21-Oct-99	<2	2.7	<2	--	--	--	<4	--	--	3,250	7.23	1,890	1,000	440	18.5	<2	0.77	6.5	--	0.094	0.0061
M00-0092	ACW #05	10-May-00	--	--	--	--	--	--	--	--	--	3,180	--	1,960	750	--	--	--	--	--	--	--	--
M00-0234	ACW #05	02-Nov-00	<5	<5	<5	--	--	--	<10	--	--	2,650	7.3	1,920	860	750	18.5	<40	0.85	5.3	--	--	<0.1
M01-0157	ACW #05	06-May-01	--	--	--	--	--	--	--	--	--	3,030	--	1,920	540	--	--	--	--	--	--	--	--
M01-0481	ACW #05	24-Oct-01	--	--	--	--	--	--	--	--	--	3,120	--	1,860	590	--	--	--	--	--	--	--	--
2002040220-17	ACW #05	30-Apr-02	--	--	--	--	--	--	--	--	--	3,110	--	1,900	570	--	--	--	--	--	--	--	--
2002110896-20	ACW #05	06-Nov-02	<1.0	<1.0	<1.0	<20	<1.0	<1.0	<3.0	--	--	3,000	7.26 H	2,200	560	520	--	0.99	0.88	4.7	--	--	<0.0050

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	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l	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	Hardness (as CaCO ₃), mg/l	
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	--	1.0	--	220	--	--	--	10	--	98	0.48	--	--	--	28	--	55	--	--	4,200	--	--	960	<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	--	--	--	--	--	
2007111584-7	ACW #03	12-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3,970	--	--	--	--	--	
2008111580-11	ACW #03	18-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3,400	--	--	--	--	--	
1002241350	ACW #03	24-Feb-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4,140	--	--	--	--	--	
10120332-10	ACW #03	07-Dec-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4,250	--	--	--	--	--	
ACW #04	ACW #04	06-May-97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
ACW #04	ACW #04	20-Oct-97	--	0.7	--	580	--	--	<0.01	0.2	--	360	6.1	--	--	--	250	--	13	--	--	33,000	--	<0.02	500	--	--	
S98-0168	ACW #04	12-May-98	--	--	--	--	--	--	<0.0025	0.14	--	370	7.0	--	--	--	170	--	10	--	--	37,000	--	<0.05	480	<25	3100	
S98-0454	ACW #04	19-Oct-98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
M99-0012	ACW #04	12-May-99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
M99-0184	ACW #04	19-Oct-99	0.15	1.4	<0.002	650	<0.005	0.018	0.0080	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	3200	
M00-0079	ACW #04	08-May-00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
M00-0216	ACW #04	26-Oct-00	0.87	2.0	<0.01	57	<0.01	--	<0.005	1.7	<0.05	28	0.50	<0.0002	--	--	23	<0.1	25	<0.02	3,600	--	<0.1	1600	<25	<25	260	
M01-0137	ACW #04	02-May-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
M01-0467	ACW #04	22-Oct-01	0.81	1.5	<0.005	290	<0.01	<0.01	<0.005	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	1200	
2002040220-12	ACW #04	30-Apr-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2002110896-5	ACW #04	03-Nov-02	--	1.1	--	440	--	--	--	1.6	--	150	1.2	--	--	--	96	--	37	--	--	8,400	--	--	560	<2.0	<2.0	1700
2003101363-10	ACW #04	04-Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7,300	--	--	--	--	--	
2004111601-7	ACW #04	09-Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22,000	--	--	--	--	--	
2005121523-5	ACW #04	12-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5,490	--	--	--	--	--	
2007030225-6	ACW #04	05-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5,030	--	--	--	--	--	
2007030225-7	ACW #04D	05-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4,750	--	--	--	--	--	
2007111584-6	ACW #04	12-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5,420	--	--	--	--	--	
2008111580-6	ACW #04	17-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3,870	--	--	--	--	--	
1002241505	ACW #04	24-Feb-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6,160	--	--	--	--	--	
10120332-13	ACW #04	07-Dec-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12,500	--	--	--	--	--	
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	--	0.9	--	270	--	--	<0.025	0.46	--	39	0.026	--	--	--	6.6	--	57	--	--	540	--	<0.020	320	--	--	980
ACW #05	ACW #05	27-Jun-95	--	1.0	--	270	--	--	<0.025	0.34	--	40	0.02	--	--	--	6.9	--	56	--	--	530	--	<0.020	320	--	--	240
ACW #05	ACW #05	30-Aug-95	--	1.1	--	240	--	--	<0.025	<0.10	--	36	<0.015	--	--	--	8.7	--	44	--	--	550	--	<0.020	310	--	--	810
ACW #05	ACW #05	06-Feb-96	--	1.4	--	240	--	--	<0.006	1.5	--	32	0.026	--	--	--	6.5	--	64	--	--	58						

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
2003101363-19	ACW #05	05-Nov-03	1.2 J	1.1 J	1.3 J	--	--	--	<6.0	--	--	3,000	7.1	1,040	613	--	22.6	--	--	--	--	--	--
2004111601-26	ACW #05	12-Nov-04	0.42 J	<1.0	0.51 J	--	--	--	<2.0	--	--	3,450	6.6	2,540	708	--	20.3	--	--	--	--	--	--
2005121523-13	ACW #05	13-Dec-05	<2.0	<2.0	1.1 J	--	--	--	<6.0	--	--	3,820	6.4	2,640	771	--	20.2	--	--	--	--	--	--
2005121523-14	ACW #05D	13-Dec-05	<2.0	<2.0	1.2 J	--	--	--	<6.0	--	--	--	--	2,510	675	--	--	--	--	--	--	--	--
2007030225-22	ACW #05	07-Mar-07	<1	<1	<1	1.2	<1	<1	1.2	--	--	4,170	6.6	3,440	978	--	20.2	--	--	--	--	--	--
2007111584-18	ACW #05	14-Nov-07	<1	<1	<1	<1	<1	<1	<1	--	--	4,260	6.5	3,240	1,070	--	21.4	--	--	--	--	--	--
2008111580-17	ACW #05	18-Nov-08	<1	<1	1	<1	<1	<1	<1	--	--	4,930	6.1	3,530	1,340	--	22.2	--	--	--	--	--	--
1002181515	ACW #05	18-Feb-10	--	--	--	--	--	--	--	--	--	5,430	6.78	3,120	1,070	--	17.5	--	--	--	--	--	--
10120332-06	ACW#05	07-Dec-10	0.14 J	<1	<1	<2	<1	<1	<1	--	--	5,632	7.23	6,200	1,400	--	22.9	--	--	--	--	--	--
ACW #06	ACW #06	18-Jun-93	--	--	--	--	--	--	--	--	--	8,220	--	5,027	2,108	--	--	--	--	--	--	--	--
ACW #06	ACW #06	16-Sep-93	--	--	--	--	--	--	--	--	--	11,130	--	6,656	2,737	--	--	--	--	--	--	--	--
ACW #06	ACW #06	08-Nov-93	--	--	--	--	--	--	--	--	--	8,540	--	5,646	2,154	--	--	--	--	--	--	--	--
ACW #06	ACW #06	21-Apr-94	--	--	--	--	--	--	--	--	--	11,080	--	6,930	3,600	--	--	--	--	--	--	--	--
ACW #06	ACW #06	28-Oct-94	--	--	--	--	--	--	--	--	--	11,988	--	6,910	2,100	--	--	--	--	--	--	--	--
ACW #06	ACW #06	31-Jan-95	--	--	--	--	--	--	--	--	--	11,530	--	6,755	2,873	--	--	--	--	--	--	--	--
ACW #06	ACW #06	16-May-95	<5	<10	<5	<5	<5	<5	<15	--	--	10,000	8.1	6,400	2,800	110	--	1.4	31	<2.0	--	--	--
ACW #06	ACW #06	27-Jun-95	14	<2.5	<2.5	--	--	--	<5.0	--	--	10,000	9.0	8,600	3,500	110	--	1.8	44	<2.0	--	--	--
ACW #06	ACW #06	29-Aug-95	7	<10	<5	--	--	--	<15	--	--	12,000	8.4	7,100	3,000	110	--	1.8	26	<20	--	--	--
ACW #06	ACW #06	06-Feb-96	6.6	3.2	<1.0	--	--	--	<2.0	--	--	11,000	8.0	6,600	2,600	72	--	1.3	3.8	<0.0071	--	--	--
ACW #06	ACW #06	06-Feb-96	<2.5	<2.5	<2.5	--	--	--	<7.5	--	--	10,320	7.8	5,630	3,180	79	--	1.52	10	<1.25	--	--	--
ACW #06	ACW #06	08-May-96	4.08	1.58	<1.0	--	--	--	<3.0	--	--	10,620	7.7	6,460	2,880	48	--	<1.25	6.4	<1.25	--	--	--
ACW #06	ACW #06	14-Aug-96	4.2	2.6	<2.0	--	--	--	<2.0	--	--	11,000	7.9	7,100	2,900	88	--	1.8	21	<0.05	--	--	--
ACW #06	ACW #06	06-Nov-96	4.5	1.5	<1.0	--	--	--	<2.0	--	--	12,000	8.6	7,700	3,400	74	--	1.3	18	<0.05	--	--	--
ACW #06	ACW #06	06-Nov-96	4.6	1.5	<1.0	--	--	--	<2.0	--	--	12,000	8.6	7,700	3,600	62	--	1.3	18	<0.05	--	--	--
ACW #06	ACW #06	08-May-97	8.2	2.8	2.6	--	--	--	2.7	--	--	8,450	--	5,500	2,300	--	--	--	--	--	--	--	--
ACW #06	ACW #06	22-Oct-97	10	3.8	1.4	--	--	--	1.2	--	--	10,200	8.2	6,500	2,900	100	--	3	16.5	<0.05	--	--	--
ACW #06D	ACW #06D	22-Oct-97	9.5	3.1	1.2	--	--	--	1.2	--	--	10,700	8.3	6,200	2,900	98	--	3	17.2	<0.05	--	--	--
S98-0181	ACW #06	13-May-98	15	12	<0.50	--	--	--	3.8	--	--	12,000	--	10,000	3,300	--	--	--	--	--	--	--	--
S98-0469	ACW #06	21-Oct-98	11	6	3	--	--	--	3	--	--	11,600	8.00	6,530	3,000	74	20.1	<5	25	<0.05	--	--	--
M99-0019	ACW #06	13-May-99	--	--	--	--	--	--	--	--	--	11,200	--	6,620	2,900	--	--	--	--	--	--	--	--
M99-0195	ACW #06	21-Oct-99	<20	<20	<20	--	--	--	<40	--	--	11,500	8.54	6,170	2,800	230	--	<4	28	<0.05	--	0.083	1.7
M00-0089	ACW #06	10-May-00	--	--	--	--	--	--	--	--	--	10,300	--	6,290	3,600	--	19.1	<4	28	<0.05	--	--	--
M00-0232	ACW #06	02-Nov-00	<5	<5	<5	--	--	--	<10	--	--	8,520	8.2	4,350	3,100	340	18.4	--	22.9	<0.05	--	--	0.82
M01-0156	ACW #06	06-May-01	--	--	--	--	--	--	--	--	--	9,020	--	5,240	2,600	--	--	--	--	--	--	--	--
M01-0480	ACW #06	24-Oct-01	5.6	<2	<2	--	--	--	18	--	--	8,350	8.2	4,730	2,400	220	19.5	<10	22	<2.5	--	0.180	0.58
2002040220-10	ACW #06	29-Apr-02	--	--	--	--	--	--	--	--	--	8,910	--	4,800	2,400	--	--	--	--	--	--	--	--
2002110896-15	ACW #06	05-Nov-02	18	<10	<10	<20	<10	<10	<30	--	--	7,300	8.49 H	4,400	1,800	150	--	1.5	19	<0.20	--	--	2.4
2003101363-17	ACW #06	05-Nov-03	8.9	2.9	2.2	--	--	--	3.0 J	--	--	6,960	8.0	2,180	1,490	--	22.4	--	--	--	--	--	--
2004111601-28	ACW #06	12-Nov-04	<10	<10	<10	--	--	--	<20	--	--	5,970	7.5	3,430	1,060	--	21.1	--	--	--	--	--	--
2004111601-29	ACW #06D	12-Nov-04	<10	<10	<10	--	--	--	<20	--	--	--	--	3,490	1,230	--	--	--	--	--	--	--	--
2005121523-11	ACW #06	13-Dec-05	<20	<20	<20	--	--	--	<60	--	--	5,910	8.3	3,340	1,160	--	20.5	--	--	--	--	--	--
2007030225-23	ACW #06	07-Mar-07	7	<1	1.5	2	<1	<1	2	--	--	4,860	7.9	3,160	1,120	--	21.6	--	--	--	--	--	--
2007111584-14	ACW #06	13-Nov-07	7.6	<1	2.1	2.2	<1	<1	2.2	--	--	4,530	8.3	3,060	1,080	--	21.6	--	--	--	--	--	--
2008111580-15	ACW #06	18-Nov-08	4.5	<1	1.4	1.4	<1	<1	1.4	--	--	5,300	8.2	2,950	1,380	--	20.9	--	--	--	--	--	--
1002181535	ACW #06	18-Feb-10	4.1	<1	<1	<1	<1	<1	<1	--	--	4,860	8.22	2,560	1,090	--	18.9	--	--	--	--	--	--
10120332-02	ACW#06	06-Dec-10	3.7	0.59 J	0.33 J	<2	<1	<1	<1	--	--	4,863	7.70	2,780	1,500	--	19.5	--	--	--	--	--	--
ACW #07	ACW #07	07-May-97	7.3	2.5	3.1	--	--	--	1.7	--	--	13,200	--	8,100	3,600	--	--	--	--	--	--	--	--
ACW #07	ACW #07	22-Oct-97	6.4	3.4	3	--	--	--	3	--	--	13,800	7.3	7,500	4,400	50	--	4	4	<0.05	--	--	--
S98-0182	ACW #07	13-May-98	7.0	3.2	2.1*	--	--	--	1.7*	--	--	14,000	--	11,000	4,300	--	--	--	--	--	--	--	--
S98-0467	ACW #07	21-Oct-98	8	3	2	--	--	--	<2	--	--	14,000	7.05	8,290	4,400	130	20.3	<5	3.8	<0.05	--	--	--
M99-0017	ACW #07	12-May-99	--	--	--	--	--	--	--	--	--	14,300	--	7,420	4,900	--	--	--	--	--	--	--	--
M99-0194	ACW #07	21-Oct-99	7.2	5.3	2.4	--	--	--	<4	--	--	14,700	7.05	8,010	4,800	160	18.7	<4	3.4	<0.05	--	0.11	0.091
M00-0088	ACW #07	10-May-00	--	--	--	--	--	--	--	--	--	14,900	--	8,900	7,100	--	--	--	--	--	--	--	--
M00-0231	ACW #07	02-Nov-00	<5	<5	<5	--	--	--	<10	--	--	12,500	7.1	8,400	5,100	200	19.0	<20	3.0	<0.05	--	--	<0.1
M01-0152	ACW #07	06-May-01	--	--	--	--	--	--	--	--	--	16,400	--	8,980	6,800	--	--	--	--	--	--	--	--
M01-0153	ACW #07D	06-May-01	--	--	--	--	--	--	--	--	--	16,300	--	9,640	6,500	--	--	--	--	--	--	--	--
M01-0477	ACW #07	24-Oct-01	7.4	<2	<2	--	--	--	2.4	--	--	17,400	7.11 H	9,180	8,500	110	21.0	<20	2.9	<5	--	0.29	<0.1
2002040220-14	ACW #07	30-Apr-02	--	--	--	--	--	--	--	--	--	17,400	--	9,120	6,400	--	--	--	--	--	--	--	--
2002110896-16	ACW #07	05-Nov-02	12	1.1	2.4	<2.0	<1.0	<1.0	<3.0	--	--	14,000	7.18 H	8,900	5,200	120	--	1.5	<0.40	<0.20	--	--	0.070
2003101363-18	ACW #07	05-Nov-03	19.3	1.3 J	4.7	--	--	--	2.4 J	--	--	13,750	6.9	2,050	5,650	--	23.64	--	--	--	--	--	--
2004111601-27	ACW #07	12-Nov-04	14.0	0.54 J	3.2	--	--	--	1.3	--	--	14,290	6.7	10,400	5,610	--	20	--	--	--	--	--	--
2005050586-7	ACW #07	24-May-05	17.8	<2.0	3.7	--	--	--	3.1 J	--	--	16,460	6.9	11,667	5,515	--	23.1	--	--	--	--	--	--

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	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l	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
2003101363-19	ACW #05	05-Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	421	--	--	--	--	--	--
2004111601-26	ACW #05	12-Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	411	--	--	--	--	--	--
2005121523-13	ACW #05	13-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	394	--	--	--	--	--	--
2005121523-14	ACW #05D	13-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	388	--	--	--	--	--	--
2007030225-22	ACW #05	07-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	376	--	--	--	--	--	--
2007111584-18	ACW #05	14-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	422	--	--	--	--	--	--
2008111580-17	ACW #05	18-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	432	--	--	--	--	--	--
1002181515	ACW #05	18-Feb-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	381	--	--	--	--	--	--
10120332-06	ACW#05	07-Dec-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	542	--	--	--	--	--	--
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	--	0.9	--	70	--	--	<0.025	3.9	--	19	0.079	--	--	--	<5.0	--	48	--	--	2,200	--	<0.020	1,300	--	--	200
ACW #06	ACW #06	27-Jun-95	--	1.1	--	64	--	--	<0.025	5.8	--	16	0.082	--	--	--	<5.0	--	44	--	--	3,000	--	<0.080	1,500	--	--	130
ACW #06	ACW #06	29-Aug-95	--	0.9	--	42	--	--	<0.025	0.54	--	16	0.04	--	--	--	<5.0	--	42	--	--	2,500	--	<0.020	1,500	--	--	200
ACW #06	ACW #06	06-Feb-96	--	1.1	--	91	--	--	<0.006	4.6	--	23	0.12	--	--	--	3.6	--	62	--	--	2,700	--	0.029	1,400	--	--	320
ACW #06	ACW #06	06-Feb-96	--	1.3	--	76	--	--	<0.1	5	--	21	0.1	--	--	--	3.6	--	50	--	--	2,400	--	<0.1	1,315	--	--	275
ACW #06	ACW #06	08-May-96	--	1.3	--	35	--	--	0.02	4.1	--	21	0.14	--	--	--	4	--	40	--	--	2,380	--	<0.05	1,396	--	--	175
ACW #06	ACW #06	14-Aug-96	--	1.2	--	85	--	--	<0.006	4.5	--	23	0.13	--	--	--	3.4	--	60	--	--	2,900	--	0.024	1,400	--	--	310
ACW #06	ACW #06	06-Nov-96	--	1.2	--	98	--	--	<0.007	5.3	--	27	0.16	--	--	--	3.8	--	32	--	--	2,800	--	0.032	1,600	--	--	360
ACW #06	ACW #06	06-Nov-96	--	1.1	--	88	--	--	<0.007	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	--	0.9	--	68	--	--	<0.01	2.6	--	19	0.11	--	--	--	3	--	21	--	--	2,200	--	<0.02	1,400	--	--	--
ACW #06D	ACW #06D	22-Oct-97	--	0.9	--	68	--	--	<0.01	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	--	1.2	--	64	--	--	<0.0025	2.4	--	23	0.099	--	--	--	2.7	--	22	--	--	2,640	--	<0.05	1,600	<25	250	
M99-0019	ACW #06	13-May-99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M99-0195	ACW #06	21-Oct-99	0.35	1.3	0.0061	69	0.0045	0.0084	<0.0025	2.2	<0.005	19	0.087	<0.0002	0.080	0.030	2.3	--	29	<0.005	<0.005	2,900	<0.005	<0.05	1,500	1,400	<25	250
M00-0089	ACW #06	10-May-00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M00-0232	ACW #06	02-Nov-00	0.28	1.5	<0.01	83	<0.01	--	0.016	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	0.21	1.3	<0.005	57	<0.01	<0.01	<0.005	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	210	
2002040220-10	ACW #06	29-Apr-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2002110896-15	ACW #06	05-Nov-02	--	1.5	--	100	--	--	--	9.0	--	13	0.12	--	--	--	11	--	110	--	--	2,100	--	--	1400	<2.0	320	
2003101363-17	ACW #06	05-Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,440	--	--	--	--	--	--
2004111601-28	ACW #06	12-Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,190	--	--	--	--	--	--
2004111601-29	ACW #06D	12-Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,260	--	--	--	--	--	--
2005121523-11	ACW #06	13-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,420	--	--	--	--	--	--
2007030225-23	ACW #06	07-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,140	--	--	--	--	--	--
2007111584-14	ACW #06	13-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,130	--	--	--	--	--	--
2008111580-15	ACW #06	18-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,070	--	--	--	--	--	--
1002181535	ACW#06	18-Feb-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	933	--	--	--	--	--	--
10120332-02	ACW#06	06-Dec-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,100	--	--	--	--	--	--

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, 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
2005121523-12	ACW #07	13-Dec-05	16.4	<10	5.1 J	--	--	--	<30	--	--	16,690	6.9	9,900	4,940	--	19.9	--	--	--	--	--	--
2006050558-8	ACW #07	09-May-06	18.1	<20	4.7	--	--	--	<6.0	--	--	16,220	7.0	5,300	6,030	--	24.2	--	--	--	--	--	--
2006081053-8	ACW #07	23-Aug-06	14.6	<20	4.3	--	--	--	<6.0	--	--	16,020	7.0	<1000 (9,940 R H)	5,890	--	24.7	--	--	--	--	--	--
2007030225-24	ACW #07	07-Mar-07	17	<1	6.1	1.5	<1	<1	1.5	--	--	15,580	7.0	9,980	5,810	--	20.1	--	--	--	--	--	--
2007111584-15	ACW #07	13-Nov-07	21	<1	7	1.3	<1	<1	1.3	--	--	15,080	7.0	9,620	5,660	--	20.1	--	--	--	--	--	--
2008111580-16	ACW #07	18-Nov-08	16	<1	7.9	1	<1	<1	1	--	--	15,390	6.9	9,380	5,820	--	21	--	--	--	--	--	--
10021909-10	ACW #07	19-Feb-10	4.7	<1	7.6	1.1	<1	<1	1.1	--	--	1,570	7.18	7,720	5,090	--	20.4	--	--	--	--	--	--
10120332-01	ACW#07	06-Dec-10	15	11	0.28 J	<2	<1	<1	<1	--	--	1,632	7.19	9,610	6,470	--	19.7	--	--	--	--	--	--
101203352-05	ACW#07	06-Dec-10	15	11	0.29 J	<2	<1	<1	<1	--	--	---	---	10,300	7,190	--	---	--	--	--	--	--	--
ACW #08	ACW #08	06-May-97	99	10	4.1	--	--	--	3.9	--	--	89,200	--	50,000	29,000	--	--	--	--	--	--	--	--
ACW #08	ACW #08	21-Nov-97	36	3.9	2	--	--	--	14	--	--	49,200	7.0	29,000	17,000	800	--	<5	0.6	<0.5	--	--	--
S98-0173	ACW #08	12-May-98	37	4.5	2.9	--	--	--	1.6	--	--	48,000	--	28,000	34,000	--	--	--	--	--	--	--	--
S98-0459	ACW #08	20-Oct-98	140	13	6	--	--	--	6	--	--	44,200	6.79	28,700	24,000	740	17.9	<10	0.82	<0.05	--	--	--
M99-0010	ACW #08	11-May-99	--	--	--	--	--	--	--	--	--	52,500	--	29,800	21,000	--	--	--	--	--	--	--	--
M99-0186	ACW #08	19-Oct-99	32	6.2	3.7	--	--	--	<4	--	--	36,400	7.09	17,700	15,000	580	20.5	<10	0.86	<0.05	--	<-0.025	<0.005
M00-0086	ACW #08	09-May-00	--	--	--	--	--	--	--	--	--	62,900	--	41,800	32,000	--	--	--	--	--	--	--	--
M00-0218	ACW #08	26-Oct-00	15	<2	2.1	--	--	--	10	--	--	36,300	6.85	26,000	17,000	740	15.0	<2	0.92	<1	--	--	<-0.1
M01-0134	ACW #08	01-May-01	41	5	3.1	--	--	--	<2	--	--	51,300	--	28,200	25,000	--	--	--	1.1	<10	--	--	<-0.05
2002040220-08	ACW #08	23-Oct-01	--	--	--	--	--	--	--	--	--	33,400	7.02	20,000	11,000	590	21.6	<20	1.1	--	--	--	<-0.05
2002110896-10	ACW #08	29-Apr-02	--	--	--	--	--	--	--	--	--	69,400	--	53,400	30,000	--	--	--	--	--	--	--	0.0055
2003101363-4	ACW #08	04-Nov-02	10	1.5	1.2	<2.0	<1.0	<3.0	<3.0	--	--	11,000	7.60 H	6,200	3,900	260	--	<-0.50	<0.40	0.93 H	--	--	--
2003101363-4	ACW #08	03-Nov-03	7.0	<2.0	<2.0	--	--	<6.0	<6.0	--	--	12,330	6.7	8,670	5,350	--	21.2	--	--	--	--	--	--
2004111601-9	ACW #08	09-Nov-04	25.3	2.1	1.6	--	--	--	1.2 J	--	--	16,200	6.9	10,100	6,280	--	21.4	--	--	--	--	--	--
2005050586-6	ACW #08 (SPL)	23-May-05	80	13	<5	<5	<5	<5	<5	--	--	61,480	6.6	--	--	--	23.8	--	--	--	--	--	--
2005050586-6	ACW #08 (Acute test)	23-May-05	81.9	13.0	4.0	--	--	--	6.0	--	--	61,480	6.6	41,700	22,100	--	23.8	--	--	--	--	--	--
2005121523-25	ACW #08	14-Dec-05	98.4	11.1	19.4	--	--	--	8.2	--	--	50,100	6.6	29,000	14,200	--	17.7	--	--	--	--	--	--
2007030225-14	ACW #08	06-Mar-07	100	110	870	77	25	102	102	--	--	32,700	6.6	21,100	16,300	--	19	--	--	--	--	--	--
2007111584-8	ACW #08	12-Nov-07	86	36	200	51	14	65	65	--	--	---	---	22,000	12,700	--	20.5	--	--	--	--	--	--
2007111584-9	ACW #08D	12-Nov-07	85	36	200	49	14	63	63	--	--	---	---	22,000	12,700	--	20.5	--	--	--	--	--	--
2008111580-13	ACW #08	18-Nov-08	67	28	290	53	12	65	65	--	--	32,700	6.6	21,100	16,300	--	19	--	--	--	--	--	--
1002241445	ACW #08	24-Feb-10	66	26	180	46	8.7	54.7	54.7	--	--	24,700	6.84	28,600	17,400	--	20.3	--	--	--	--	--	--
10120332-11	ACW# 08	07-Dec-10	82	37	530	97	20.0	117.0	117.0	--	--	28,000	5.60	20,500	14,400	--	24.1	--	--	--	--	--	--
ACW #09	ACW #09	17-Jun-93	--	--	--	--	--	--	--	--	--	5,900	--	4,435	2,288	--	--	--	--	--	--	--	--
ACW #09	ACW #09	14-Sep-93	--	--	--	--	--	--	--	--	--	3,100	--	2,119	915	--	--	--	--	--	--	--	--
ACW #09	ACW #09	09-Nov-93	--	--	--	--	--	--	--	--	--	3,670	--	2,300	1,184	--	--	--	--	--	--	--	--
ACW #09	ACW #09	22-Apr-94	--	--	--	--	--	--	--	--	--	3,900	--	2,508	1,150	--	--	--	--	--	--	--	--
ACW #09	ACW #09	01-Dec-94	--	--	--	--	--	--	--	--	--	5,450	--	3,510	1,650	--	--	--	--	--	--	--	--
ACW #09	ACW #09	31-Jan-95	--	--	--	--	--	--	--	--	--	7,110	--	4,240	2,083	--	--	--	--	--	--	--	--
ACW #09	ACW #09	17-May-95	<5	22	<5	<5	<5	<15	<15	--	--	11,000	6.6	6,800	5,600	440	--	2.1	<1.0	<2.0	--	--	--
ACW #09	ACW #09	28-Jun-95	<2.5	<2.5	<2.5	--	--	<5.0	<5.0	--	--	9,100	7.0	6,200	3,500	360	--	1.9	<1.0	<2.0	--	--	--
ACW #09	ACW #09	30-Aug-95	<5	<10	<5	--	--	<15	<15	--	--	7,150	6.5	4,500	2,500	370	--	1.5	<10	<20	--	--	--
ACW #09	ACW #09	07-Feb-96	1.8	<1.0	<1.0	--	--	<2.0	<2.0	--	--	7,500	7.7	5,400	2,400	320	--	1.5	0.16	0.039	--	--	--
ACW #09	ACW #09	07-Feb-96	<2.5	<2.5	<2.5	--	--	<7.5	<7.5	--	--	7,450	6.8	4,620	2,300	341	--	1.85	0.36	<1.25	--	--	--
ACW #09	ACW #09	08-May-96	<1.0	<1.0	<1.0	--	--	<3.0	<3.0	--	--	7,530	6.8	4,210	2,210	322	--	3	0.35	<1.25	--	--	--
ACW #09	ACW #09	14-Aug-96	1.4	1.6	<1.0	--	--	<2.0	<2.0	--	--	4,400	7.4	3,600	1,200	180	--	1.2	1.4	0.13	--	--	--
ACW #09	ACW #09	07-Nov-96	2.3	2.2	<1.0	--	--	<2.0	<2.0	--	--	4,200	7.3	3,100	1,200	--	--	--	1.1	0.055	--	--	--
ACW #09	ACW #09	19-Feb-97	1.3	4.0	10	--	--	--	4.2	--	--	4,110	--	2,500	1,260	--	--	--	--	--	--	--	--
ACW #09	ACW #09	08-May-97	2.6	2.6	1.4	--	--	--	1.7	--	--	2,800	--	2,100	830	--	--	--	--	--	--	--	--
ACW #09	ACW #09	23-Oct-97	<0.5	<0.5	<0.5	--	--	<1.0	<1.0	--	--	3,380	7.2	1,600	880	130	--	1.3	1.2	<0.05	--	--	--
S98-0185	ACW #09	13-May-98	<0.50	<0.50	<0.50	--	--	<1.0	<1.0	--	--	5,100	--	4,500	1,600	--	--	--	1.1	--	--	--	--
S98-0472	ACW #09	21-Oct-98	6	<2	<2	--	--	<2	<2	--	--	13,200	6.49	8,980	4,100	440	20.8	<5	0.40	<0.05	--	--	--
M99-0022	ACW #09	13-May-99	--	--	--	--	--	--	<2	--	--	11,100	--	6,400	3,400	--	--	--	--	--	--	--	--
M99-0199	ACW #09	22-Oct-99	<2	<2	<2	--	--	<2	<2	--	--	8,580	6.78	5,950	2,900	280	19.6	<4	0.71	<0.05	--	0.030	0.0066
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	<4	--	--	7,630	6.8	5,860	3,000	230	19.0	<20	0.68	<0.05	--	--	<-0.1
M00-0238	ACW #09D	03-Nov-00	<2	<2	<2	--	--	<4	<4	--	--	7,620	6.8	11,200	2,900	260	19.1	<20	0.66	<0.05	--	--	<-0.1
M01-0147	ACW #09	06-May-01	--	--	--	--	--	--	--	--	--	8,300	--	4,640	2,800	--	--	--	--	--	--	--	--
M01-0483	ACW #09	25-Oct-01	<2	<2	<2	--	--	--	2	--	--	7,820	6.8 H	4,390	4,000	200	20.1	<5	0.88	<1.25	--	<0.05	<-0.1
M01-0484	ACW #09D	25-Oct-01	<2	<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
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	--	--	--	--	--	--	--	--

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, 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 NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l
2002110896-21	ACW #09	06-Nov-02	1.1	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	—	—	7,800	6.87 H	3,700	1,800	220	—	—	1.8	0.47	0.22	—	—	0.0082
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	—	—	16.8	—	—	—	—	—	
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	<1	—	—	6,060	6.9	4,420	2,210	—	—	21.5	—	—	—	—	—	
2007111584-24	ACW #09	15-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	5,900	7.0	2,870	1,290	—	—	19.3	—	—	—	—	—	
2008111580-24	ACW #09	19-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	5,540	6.7	2,990	1,480	—	—	19.6	—	—	—	—	—	
1002241400	ACW #09	24-Feb-10	1	<1	<1	<1	<1	<1	<1	—	—	14,300	6.52	8,340	4,190	—	—	20.7	—	—	—	—	—	
10120332-24	ACW #09	09-Dec-10	0.17 J	0.29 J	<1	<2	<1	<1	<1	—	—	15,730	6.77	48,000	3,050	—	—	21.2	—	—	—	—	—	
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	<5	<15	—	—	3,900	6.9	2,300	1,600	300	—	—	1.1	<1.0	1.1	—	—	
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	—	—	
ACW #10	ACW #10	30-Aug-95	<5	<10	<5	—	—	<15	—	—	—	3,100	7.0	2,200	790	210	—	—	0.9	<10	<20	—	—	
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	—	—	
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	—	—	
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	—	—	
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	—	—	
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	—	—	
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	—	—	
S98-0187	ACW #10	14-May-98	—	—	—	—	—	—	—	—	—	2,400	—	1,200	540	—	—	—	—	—	—	—	—	
S98-0473	ACW #10	22-Oct-98	<2	<2	<2	<2	<2	<2	<6	—	—	2,900	7.06	1,960	800	210	20.8	<2	0.90	0.83	—	—	—	
M99-0023	ACW #10	13-May-99	—	—	—	—	—	—	—	—	—	2,810	—	1,660	730	—	—	—	—	—	—	—	—	
M99-0201	ACW #10	22-Oct-99	<2	<2	<2	<2	<2	<2	<6	—	—	2,470	7.23	1,720	660	160	19.4	<2	<2	1.2	0.62	—	0.037	
M00-0099	ACW #10	11-May-00	—	—	—	—	—	—	—	—	—	3,620	—	2,430	1,400	—	—	—	—	—	—	—	0.010	
M00-0243	ACW #10	06-Nov-00	<2	<2	<2	—	—	<4	—	—	—	3,100	7.1	2,840	980	220	16.4	<2	<2	1.0	<1	—	<0.1	
M01-0158	ACW #10	06-May-01	—	—	—	—	—	—	—	—	—	3,660	—	2,360	1,000	—	—	—	—	—	—	—	<0.1	
M01-0487	ACW #10	25-Oct-01	<2	<2	<2	<2	<2	<2	<6	—	—	3,350	7.02	2,270	930	220	19.8	2.1	1.0	<0.5	<0.57	<0.1	<0.1	
2002040220-21	ACW #10	01-May-02	—	—	—	—	—	—	—	—	—	3,440	—	1,970	1,000	—	—	—	—	—	—	—	0.0086	
2002110896-25	ACW #10	08-Nov-02	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<3.0	—	—	2,600	7.15 H	2,000	740	250	—	—	0.64	1.4	0.86	—	—	
2003101363-21	ACW #10	06-Nov-03	<2.0	<2.0	<2.0	—	—	<6.0	—	—	—	2,580	6.6	2,160	795	—	—	18.7	—	—	—	—	—	
2004111601-21	ACW #10	11-Nov-04	0.51 J	<1.0	<1.0	—	—	<2.0	—	—	—	2,670	6.7	1,990	720	—	—	19.2	—	—	—	—	—	
2005121523-20	ACW #10	14-Dec-05	<2.0	<2.0	<2.0	—	—	<6.0	—	—	—	3,000	6.9	1,640	638	—	—	19.1	—	—	—	—	—	
2007030225-27	ACW #10	08-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	2,860	6.8	2,240	793	—	—	18.5	—	—	—	—	—	
2007111584-22	ACW #10	14-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	2,810	6.7	2,070	802	—	—	20.4	—	—	—	—	—	
2008111580-26	ACW #10	19-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	2,890	6.7	2,090	767	—	—	21.4	—	—	—	—	—	
1002191350	ACW #10	19-Feb-10	<1	<1	<1	<1	<1	<1	<1	—	—	5,780	6.99	2,360	1,020	—	—	21.2	—	—	—	—	—	
1002190000	ACW #10 D	19-Feb-10	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	2,380	1,030	—	—	—	—	—	—	—	—	
10120332-17	ACW #10	08-Dec-10	0.89 J	<1	<1	<2	<1	<1	<1	—	—	6,517	6.8	5,400	1,200	—	—	20.6	—	—	—	—	—	
ACW #11	ACW #11	19-Jun-93	—	—	—	—	—	—	—	—	—	25,000	—	18,670	9,737	—	—	—	—	—	—	—	—	
ACW #11	ACW #11	15-Sep-93	—	—	—	—	—	—	—	—	—													

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	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l	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	
2002110896-21	ACW #09	06-Nov-02	—	0.60	—	260	—	—	—	1.9	—	97	0.19	—	—	—	33	—	48	—	1400	—	—	—	600	<2.0	<2.0	1,000
2003101363-23	ACW #09	06-Nov-03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1430	—	—	—	—	—	—	—
2004111601-17	ACW #09	10-Nov-04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1220	—	—	—	—	—	—	—
2005121523-19	ACW #09	14-Dec-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	941	—	—	—	—	—	—	—
2007030225-25	ACW #09	07-Mar-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	935	—	—	—	—	—	—	—
2007111584-24	ACW #09	15-Nov-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	796	—	—	—	—	—	—	—
2008111580-24	ACW #09	19-Nov-08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	751	—	—	—	—	—	—	—
1002241400	ACW #09	24-Feb-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2800	—	—	—	—	—	—	—
10120332-24	ACW #09	09-Dec-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1710	—	—	—	—	—	—	—
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	—	—	—	320	—	—	<0.025	0.12	—	110	0.037	—	—	—	8	—	43	—	—	170	—	<0.020	190	—	—	1,300
ACW #10	ACW #10	28-Jun-95	—	0.3	—	280	—	—	<0.025	0.28	—	94	0.029	—	—	—	7.5	—	46	—	—	160	—	<0.020	190	—	—	1,200
ACW #10	ACW #10	30-Aug-95	—	0.3	—	280	—	—	<0.025	<0.20	—	95	0.034	—	—	—	52	—	42	—	—	150	—	<0.040	180	—	—	1,100
ACW #10	ACW #10	07-Feb-96	—	0.2	—	320	—	—	<0.006	0.24	—	110	0.032	—	—	—	8.4	—	36	—	—	190	—	0.011	200	—	—	1,200
ACW #10	ACW #10	07-Feb-96	—	0.3	—	320	—	—	<0.1	0.4	—	107	<0.1	—	—	—	9.4	—	54	—	—	190	—	<0.1	194	—	—	1,240
ACW #10	ACW #10	08-May-96	—	<0.5	—	206	—	—	<0.01	0.1	—	92	<0.05	—	—	—	8	—	62	—	—	127	—	<0.05	137	—	—	893
ACW #10	ACW #10	14-Aug-96	—	0.3	—	210	—	—	<0.006	0.14	—	71	0.019	—	—	—	7	—	47	—	—	140	—	0.037	170	—	—	810
ACW #10	ACW #10	07-Nov-96	—	0.2	—	200	—	—	<0.007	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	—	220	—	—	<0.01	0.2	—	71	0.02	—	—	—	6	—	20	—	—	140	—	<0.02	200	—	—	—
S98-0187	ACW #10	14-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0473	ACW #10	22-Oct-98	—	0.29	—	300	—	—	<0.0025	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	0.091	0.26	<0.002	260	<0.005	<0.005	<0.0025	0.26	<0.005	84	0.020	<0.0002	<0.005	<0.02	7.9	—	19	<0.005	170	—	<0.05	160	<25	<25	1,000	
M00-0099	ACW #10	11-May-00	—	—	—	—	—	—	—	—	—	—	—	<0.0002	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M00-0243	ACW #10	06-Nov-00	0.15	0.37	<0.01	470	<0.01	—	0.0061	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	0.10	0.30	<0.005	300	<0.01	<0.01	<0.005	0.19	0.068	95	0.021	<0.0002	<0.01	<0.04	9.6	<0.1	35	<0.02	180	—	<0.1	160	<25	<25	1,100	
2002040220-21	ACW #10	01-May-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002110896-25	ACW #10	08-Nov-02	—	0.27	—	290	—	—	—	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	—	—	—	—	—	—
2007111584-22	ACW #10	14-Nov-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	187	—	—	—	—	—	—
2008111580-26	ACW #10	19-Nov-08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	175	—	—	—	—	—	—
1002191350	ACW #10	19-Feb-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	180	—	—	—	—	—	—
1002190000	ACW #10 D	19-Feb-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	176	—	—	—	—	—	—
10120332-17	ACW #10	08-Dec-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	264	—	—	—	—	—	—
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	—	0.3	—	740	—	—	<0.025	0.36	—	260	0.23	—	—	—	16	—	42	—	—	1,200	—	<0.020	230	—	—	3,300
ACW #11	ACW #11	27-Jun-95	—	0.4	—	720	—	—	<0.025	0.29	—	270	0.2	—	—	—	16	—	45	—	—	980	—	<0.020	210	—	—	2,800
ACW #11	ACW #11	29-Aug-95	—	0.3	—	550	—	—	<0.025	0.17	—	210	0.088	—	—	—	16	—	44	—	—	880	—	<0.020	220	—	—	2,700
ACW #11	ACW #11	07-Feb-96	—	0.3	—	660	—	—	<0.006	0.38	—	230	0.13	—	—	—	26	—	47	—	—	1,500	—	<0.010	210	—	—	2,600
ACW #11	ACW #11	07-Feb-96	—	0.4	—	688	—	—	<0.1	0.5	—	224	0.1	—	—	—	31	—	46	—	—	1,400	—	<0.1	200	—	—	2,590
ACW #11	ACW #11	08-May-96	—	<0.5	—	484	—	—	0.02	0.3	—	220	0.09	—	—	—	29	—	50	—	—	1,160	—	<0.05	111	—	—	2,110
ACW #11	ACW #11	13-Aug-96	—	0.4	—	540	—																					

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
S98-0460	ACW #11	20-Oct-98	51	<2	<2	—	—	—	<2	—	—	42,500	6.60	29,600	17,000	680	18.5	<10	0.43	0.11	—	—	—
M99-0014	ACW #11	12-May-99	—	—	—	—	—	—	—	—	—	19,800	—	11,100	7,200	—	—	—	—	—	—	—	—
M99-0192	ACW #11	20-Oct-99	14	4.5	<2	—	—	—	<4	—	—	19,300	6.94	13,600	7,800	340	19.1	<4	0.60	0.055	—	0.096	0.0088
M00-0087	ACW #11	09-May-00	—	—	—	—	—	—	—	—	—	31,500	—	21,000	18,000	—	—	—	—	—	—	—	—
M00-0227	ACW #11	01-Nov-00	16	<2	<2	—	—	—	<4	—	—	25,700	6.82	21,900	10,000	490	13.1	<2	<0.4	<1	—	—	<0.1
M01-0135	ACW #11	01-May-01	—	—	—	—	—	—	—	—	—	32,800	—	20,000	15,000	—	—	—	—	—	—	—	<0.1
M01-0476	ACW #11	23-Oct-01	59	<2	<2	—	—	—	<2	—	—	47,800	6.55	32,900	17,000	800	21.5	<20	0.41	<10	—	<0.05	<0.1
2002040220-09	AC W #11	29-Apr-02	—	—	—	—	—	—	—	—	—	34,200	—	25,500	15,000	—	—	—	—	—	—	—	—
2002110896-19	AC W #11	06-Nov-02	13	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	—	—	11,000	6.98 H	9,700	4,600	320	—	1.5	<0.40	1.4	—	—	0.0083
2003101363-8	ACW #11	04-Nov-03	2.7	<2.0	<2.0	—	—	—	<6.0	—	—	7,950	6.8	3,470	4,520	—	19.5	—	—	—	—	—	0.0266
2004111601-14	ACW #11	10-Nov-04	19.3	<1.0	0.53 J	—	—	—	<2.0	—	—	21,200	6.6	18,300 (14,700)	7,950	—	21.8	—	—	—	—	—	—
2005050586-5	ACW #11	23-May-05	22.2	<2.0	<2.0	—	—	—	<6.0	—	—	22,200	6.6	17,700	8,339	—	22.8	—	—	—	—	—	—
2005121523-10	ACW #11	13-Dec-05	18.7	<2.0	<2.0	—	—	—	<6.0	—	—	27,000	6.5	10,400	4,580	—	20.3	—	—	—	—	—	—
2007030225-13	ACW #11	06-Mar-07	11	<1	<1	<1	<1	<1	<1	—	—	18,500	6.6	14,500	8,880	—	20.6	—	—	—	—	—	—
2007111584-13	ACW #11	13-Nov-07	3.2	<1	<1	<1	<1	<1	<1	—	—	13,260	6.8	11,300	6,540	—	20.3	—	—	—	—	—	—
2008111580-14	ACW #11	18-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	12,540	6.8	10,100	5,570	—	18.2	—	—	—	—	—	—
1002251100	ACW #11	25-Feb-10	1.5	<1	<1	<1	<1	<1	<1	—	—	50,300	7.23	11,700	6,450	—	20.8	—	—	—	—	—	—
10120332-26	ACW #11	09-Dec-10	<1	2.9	<1	<2	<1	<1	<1	—	—	22,500	7.66	48,300	21,000	—	22.2	—	—	—	—	—	—
ACW #12	ACW #12	19-Feb-97	<0.5	<0.5	1.5	—	—	—	<1.0	—	—	1,610	—	950	380	—	—	—	—	—	—	—	—
ACW #12D	ACW #12D	19-Feb-97	2.9	<0.5	<0.5	—	—	—	<1.0	—	—	1,630	—	960	390	—	—	—	—	—	—	—	—
ACW #12	ACW #12	08-May-97	3	0.89	<0.5	—	—	—	<1.0	—	—	1,240	—	900	290	—	—	—	—	—	—	—	—
ACW #12	ACW #12	20-Aug-97	1.2	<0.5	<0.5	—	—	—	<1.0	—	—	1,120	8.1	740	260	85	—	0.6	1.3	0.2	—	—	—
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	—	—	—
ACW #12	ACW #12	23-Oct-97	1.4	0.58	<0.5	—	—	—	<1.0	—	—	1,810	7.5	850	380	120	—	1	1	0.34	—	—	—
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	—	—	—
S98-0059	ACW #12D	24-Feb-98	6.7	<0.50	<0.50	—	—	—	<1.0	—	—	2,090	7.9	1,220	490	160	—	0.9	2.1	0.5	—	—	—
S98-0188	ACW #12	01-Jun-98	<0.50	1.2	<0.50	—	—	—	<1.0	—	—	2,000	7.5	1,500	—	—	—	—	—	—	—	—	—
S98-0189	ACW #12D	01-Jun-98	4.4	2.5	6.1	—	—	—	2.5	—	—	2,300	7.4	1,700	540	150	—	0.74	1.3	0.54	—	—	—
S98-0294	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	—	—	—
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	—	—	—
S98-0474	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	—	—	—
S98-0475	ACW #12D	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	—	—	—
S99-0083	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	—	—	—
S99-0084	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	—	—	—
M99-0024	ACW #12	14-May-99	4	<2	<2	<2	<2	<2	<6	—	<0.25	2,390	7.47	1,440	500	120	23.8	<2	0.86	0.14	—	—	—
M99-0026	ACW #12D	14-May-99	4	<2	<2	<2	<2	<2	<6	—	<0.25	2,350	7.42	1,410	590	150	23.9	<2	0.86	0.18	—	—	—
M99-0087	ACW #12	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	—	—	—
M99-0088	ACW #12D	11-Aug-99	2.4	<2	<2	<2	<2	<2	<6	—	—	2,630	7.33	1,880	810	160	21.1	<1	0.85	0.53	—	—	—
M99-0202	ACW #12	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	—	0.034	0.0094
M99-0204	ACW #12D	22-Oct-99	4.4	<2	<2	<2	<2	<2	<6	—	—	2,170	7.48	1,390	560	140	19.8	<2	0.95	0.32	—	0.031	0.0084
M00-0024	ACW #12	22-Feb-00	<2	<2	<2	—	—	—	<2	—	—	1,950	7.38	1,260	680	130	16.4	<1.0	1.1	<0.5	—	—	—
M00-0098	ACW #12	11-May-00	<5	<5	<5	—	—	—	<10	—	—	1,590	7.88	989	470	100	18.5	0.47	1.2	0.15	—	—	—
M00-0197	ACW #12	07-Aug-00	<2	<2	<2	—	—	—	<4	—	—	1,800	7.63	1,270	460	110	25.4	0.47	1.1	0.087	—	—	—
M00-0240	ACW #12	03-Nov-00	<2	<2	<2	—	—	—	<4	—	—	2,520	7.5	1,780	890	130	19.2	<20	1.1	0.30	—	—	<0.1
M01-0011	ACW #12	20-Feb-01	<2	<2	<2	—	—	—	<4	<5	—	2,230	7.44 H	1,210	670	140	21.5	0.74	0.88	0.28	—	—	—
M01-0145	ACW #12	03-May-01	2.4	<2	<2	—	—	—	<2	<5	—	2,100	7.4	1,060	570	110	22.2	1.4	1.00	<1	—	—	—
M01-0146	ACW #12D	03-May-01	2.1	<2	<2	—	—	—	<2	<5	—	2,120	7.44	1,150	510	110	22.5	1.3	0.97	<1	—	—	—
M01-0405	ACW #12	01-Aug-01	<2	<2	<2 Jc	—	—	—	<2	—	—	2,080	7.34	1,290	490	120	24.6	<2	0.97	<1	—	—	—
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
M02-0046	ACW #12	20-Feb-02	—	—	—	—	—	—	—	—	—	2,200	7.27	1,370	720	120	—	<10	0.85	0.24	—	—	—
M02-0046	ACW #12 R	20-Feb-02	<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	<5.0	—	2,030	7.43	1,180	490	130	—	<2.0	1.0	<2.0	—	—	—
2002040220-23	ACW #12D	01-May-02	<2.0	<2.0	<2.0	—	—	—	<2.0	<5.0	—	1,900	7.48	1,100	440	140	—	<2.0	1.1	<2.0	—	—	—
2002110896-24	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
2003101363-22	ACW #12	06-Nov-03	1.0 J	<2.0	<2.0	—	—	—	<6.0	—	—	1,605	6.9	1,220	410	—	—	—	—	—	—	—	—
2004111601-22	ACW #12	11-Nov-04	1.8	<1.0	<1.0	—	—	—	<2.0	—	—	2,270	6.9	1,300	449	—	—	—	—	—	—	—	—
2005121523-21	ACW #12	14-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	2,090	7.0	1,130	393	—	—	—	—	—	—	—	—
2007030225-30	ACW #12	08-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	1,980	7.2	1,650	529	—	—	—	—	—	—	—	—
2007111584-21	ACW #12	14-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	1,920	7.0	1,460	451	—	—	—	—	—	—	—	—
2008111580-25	ACW #12	19-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	2,300	6.9	1,570	460	—	—	—	—	—	—	—	—
1002241250	ACW #12	24-Feb-10	2.6	<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	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l	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
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	--	0.2	--	39	--	--	<0.01	0.3	--	14	0.02	--	--	--	10	--	20	--	--	79	--	<0.02	160	--	--
ACW #13	ACW #13	23-Oct-97	--	0.2	--	34	--	--	<0.01	0.2	--	14	<0.01	--	--	--	15	--	21	--	--	84	--	<0.02	170	--	--
ACW #13	ACW #13	24-Feb-98	--	--	--	31	--	--	--	--	--	14	--	--	--	--	17	--	21	--	--	87	--	--	170	--	--
S98-0190	ACW #13	01-Jun-98	--	--	--	40	--	--	--	--	--	14	--	--	--	--	10	--	21	--	--	85	--	--	170	170	--
S98-0296	ACW #13	11-Aug-98	--	--	--	43	--	--	--	--	--	14	--	--	--	--	9.4	--	15	--	--	85	--	--	170	170	<25
S98-0476	ACW #13	22-Oct-98	--	0.23	--	48	--	--	<0.0025	0.37	--	16	0.017	--	--	--	7.5	--	23	--	--	87	--	<0.05	170	170	<25
S99-0085	ACW #13	23-Feb-99	--	--	--	44	--	--	--	--	--	15	--	--	--	--	7.0	--	23	--	--	110	--	<0.05	180	180	<25
M99-0027	ACW #13	14-May-99	--	0.25	--	46	--	--	0.0062	0.17	--	15	0.0084	--	--	--	5.3	--	28	--	--	86	--	<0.05	170	170	<25
M99-0089	ACW #13	11-Aug-99	--	--	--	49	--	--	--	--	--	16	--	--	--	--	5.0	--	26	--	--	86	--	--	170	170	<25
M99-0205	ACW #13	22-Oct-99	0.057	0.23	<0.002	49	0.0055	<0.005	<0.0025	0.23	<0.005	15	0.018	<0.0002	0.0044	<0.02	5.9	--	19	<0.005	<0.005	89	<0.005	<0.05	160	160	<25
ACW #13	ACW #13	23-Feb-00	--	--	--	44	--	--	--	--	--	14	--	--	--	--	6.3	--	14	--	--	82	--	--	160	160	<25
M00-0028	ACW #13	11-May-00	--	--	--	48	--	--	--	--	--	16	--	--	--	--	6.6	--	30	--	--	88	--	--	170	170	<25
M00-0096	ACW #13	08-Aug-00	--	--	--	49	--	--	--	--	--	15	--	--	--	--	5.8	--	<2.0	--	--	82	--	--	160	160	<25
M00-0198	ACW #13	08-Aug-00	--	--	--	50	--	--	--	--	--	16	--	--	--	--	6.0	--	37	--	--	84	--	--	160	160	<25
M00-0199	ACW #13D	08-Aug-00	--	--	--	55	<0.01	--	<0.005	0.34	<0.05	19	0.024	<0.0002	--	--	11	<0.1	29	<0.02	<0.02	210	--	<0.1	170	170	<25
M00-0242	ACW #13	06-Nov-00	0.061	0.26	<0.01	48	--	--	--	--	--	16	--	--	--	--	7.5	--	34	--	--	130	--	--	160	160	<25
M01-0013	ACW #13	20-Feb-01	--	--	--	47	--	--	--	--	--	6	--	--	--	--	4.6	--	33	--	--	88	--	--	180	180	<25
M01-0159	ACW #13	07-May-01	--	--	--	46	--	--	--	--	--	16	--	--	--	--	6.1	--	29	--	--	86	--	--	170	170	<25
M01-0406	ACW #13	01-Aug-01	--	--	--	42	--	--	--	--	--	14	--	--	--	--	6	--	30	--	--	80	--	--	160	160	<25
M01-0407	ACW #13D	01-Aug-01	--	--	--	45	<0.01	<0.01	<0.005	0.17	<0.05	15	0.02	<0.0002	<0.01	<0.04	6	<0.1	34	<0.02	<0.02	78	<0.005	<0.1	170	170	<25
M01-0490	ACW #13	25-Oct-01	0.046	0.22	<0.005	44	--	--	--	--	--	14	--	--	--	--	5.0	--	36	--	--	78	--	--	160	160	<25
M02-0047	ACW #13	20-Feb-02	--	--	--	44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ACW #13 R	ACW #13 R	20-Feb-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2002040220-24	ACW #13	01-May-02	--	--	--	52	--	--	--	--	--	18	--	--	--	--	5.0	--	33	--	--	78	--	--	170	170	<25
ACW #13	ACW #13	25-Sep-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	80	--	--	--	--	200
3	ACW #13D	25-Sep-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	83	--	--	--	--	--
2002110896-23	ACW #13	07-Nov-02	--	0.23	--	53	--	--	--	0.21	--	19	<0.010	--	--	--	6.6	--	10	--	--	96	--	--	180	180	<2.0
2003030318/T4112-1	ACW #13	28-Mar-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	210
2003050551-3	ACW #13	19-May-03	--	--	--	49,400	--	--	--	--	--	16,200	--	--	--	--	--	--	--	--	--	57,000	--	--	--	--	--
2003080979-3	ACW #13	19-Aug-03	--	--	--	52,400	--	--	--	--	--	17,800	--	--	--	--	--	--	--	--	--	69,800	--	--	--	--	190
2003101363-20	ACW #13	08-Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	78,600	--	--	--	--	204
2004020197-6	ACW #13	26-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	77,400	--	--	--	--	--
2004050647-4	ACW #13	12-May-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	80,500	--	--	--	--	--
2004081157-4	ACW #13	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	76,500	--	--	--	--	--
2004111601-20	ACW #13	11-Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	77,700	--	--	--	--	--
2005020148-4	ACW #13	14-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	79.1	--	--	--	--	--
2005050586-9	ACW #13	24-May-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	78.3	--	--	--	--	--
2005081051-4	ACW #13	15-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	69,600	--	--	--	--	--
2005121523-26	ACW #13	15-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	84,600	--	--	--	--	--
2005121523-27	ACW #13D	15-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	82,900	--	--	--	--	--
2006020147-4	ACW #13	13-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	79,200	--	--	--	--	--
2006050558-4	ACW #13	08-May-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	80,500	--	--	--	--	--
2006050558-5	ACW #13D	08-May-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	63,400	--	--	--	--	--
2006081053-3	ACW #13	22-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70,100	--	--	--	--	--
2007030225-26	ACW #13	08-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	79,800	--	--	--	--	--
2007050615-4	ACW #13	15-May-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	91.6	--	--	--	--	--
2007091015-4	ACW #13	22-Aug-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	84.4	--	--	--	--	--
2007111584-23	ACW #13	15-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	86.5	--	--	--	--	--
2008020241-4	ACW #13	19-Feb-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	83.9	--	--	--	--	--
2008060775-4	ACW #13	09-Jun-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	88.7	--	--	--	--	--
2008060775-5	ACW #13D	09-Jun-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	86.8	--	--	--	--	--
2008081172-5	ACW #13	13-Aug-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	74.7	--	--	--	--	--
2008111580-28	ACW #13	20-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	89.1	--	--	--	--	--
2009030219-4	ACW #13	03-Mar-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	89.6	--	--	--	--	--
2009030219-5	ACW #13D	03-Mar-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	88.8	--	--	--	--	--
2009050622-6	ACW# 13	19-May-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	87.5	--	--	--	--	--
2009080924-6	ACW#13	27-Aug-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	86.7	--	--	--	--	--
1002191130	ACW#13	19-Feb-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	88.5	--	--	--	--	--
10060909-03	ACW#13	28-Jun-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	97.8	--	--	--	--	--
10060909-05	ACW#13D	28-Jun-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	92.2	--	--	--	--	--

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	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l	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
10090591-01	ACW#13	20-Sep-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	95.4	--	--	--	--	--	--
10090591-06	ACW#13D	21-Sep-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	93.5	--	--	--	--	--	--
10120332-07	ACW#13	07-Dec-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	99.2	--	--	--	--	--	--
ACW #14	ACW #14	20-Feb-97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ACW #14	ACW #14	07-May-97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ACW #14	ACW #14	20-Aug-97	--	--	--	45	--	--	<0.01	0.5	--	15	0.03	--	--	--	5	--	20	--	--	81	--	0.03	150	--	--	--
ACW #14	ACW #14	22-Oct-97	--	0.2	--	46	--	--	<0.01	0.3	--	16	0.01	--	--	--	5	--	20	--	--	81	--	<0.02	180	--	--	--
S98-0173	ACW #14	24-Feb-98	--	--	--	46	--	--	--	--	--	16	--	--	--	--	5	--	22	--	--	87	--	--	--	--	--	--
S98-0184	ACW #14	13-May-98	--	--	--	47	--	--	--	--	--	18	--	--	--	--	6	--	24	--	--	97	--	--	170	170	--	--
S98-0293	ACW #14	11-Aug-98	--	--	--	48	--	--	--	--	--	16	--	--	--	--	5.5	--	25	--	--	90	--	--	170	170	<25	190
S98-0471	ACW #14	21-Oct-98	--	0.25	--	52	--	--	0.0026	0.20	--	19	0.014	--	--	--	6.2	--	25	--	--	97	--	<0.05	170	170	<25	210
S99-0080	ACW #14	23-Feb-99	--	--	--	47	--	--	--	--	--	17	--	--	--	--	6.0	--	25	--	--	110	--	--	180	180	<25	190
M99-0021	ACW #14	13-May-99	--	0.27	--	49	--	--	0.016	0.17	--	18	0.011	--	--	--	5.7	--	28	--	--	95	--	<0.05	170	170	<25	200
M99-0086	ACW #14	09-Aug-99	--	--	--	52	--	--	--	--	--	19	--	--	--	--	5.3	--	24	--	--	91	--	--	170	170	<25	210
M99-0197	ACW #14	21-Oct-99	0.046	0.24	<0.002	48	<0.005	<0.005	<0.0025	0.21	<0.005	18	0.012	<0.0002	<0.005	<0.02	5.8	--	21	<0.005	--	98	0.0082	<0.05	170	170	<25	200
M00-0023	ACW #14	22-Feb-00	--	--	--	62	--	--	--	--	--	22	--	--	--	--	5.4	--	46	--	--	97	--	--	160	160	<25	250
M00-0093	ACW #14	10-May-00	--	--	--	51	--	--	--	--	--	19	--	--	--	--	6.6	--	34	--	--	110	--	--	170	170	<25	200
M00-0195	ACW #14	07-Aug-00	--	--	--	50	--	--	--	--	--	18	--	--	--	--	6.0	--	39	--	--	95	--	--	170	170	<25	200
M00-0230	ACW #14	01-Nov-00	0.068	0.30	<0.01	65	<0.01	--	<0.005	0.27	<0.05	23	0.037	<0.0002	--	--	14	<0.1	25	<0.02	--	300	--	<0.1	170	170	<25	260
M01-0017	ACW #14	21-Feb-01	--	--	--	47	--	--	--	--	--	18	--	--	--	--	7.2	--	33	--	--	110	--	--	170	170	<25	190
M01-0144	ACW #14	03-May-01	--	--	--	54	--	--	--	--	--	20	--	--	--	--	6.8	--	35	--	--	100	--	--	160	160	<25	220
M01-0411	ACW #14	02-Aug-01	--	--	--	45	--	--	--	--	--	17	--	--	--	--	5.8	--	35	--	--	89	--	--	160	160	<25	180
M01-0482	ACW #14	24-Oct-01	0.041	0.22	<0.005	46	<0.01	<0.01	<0.005	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	190
M02-0042	ACW #14	19-Feb-02	--	--	--	46	--	--	--	--	--	16	--	--	--	--	5.9	--	9.8	--	--	82	--	--	170	170	<25	180
M02-0042	ACW #14 R	19-Feb-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2002040220-18	ACW #14	30-Apr-02	--	--	--	57	--	--	--	--	--	21	--	--	--	--	6.3	--	31	--	--	90	--	--	180	180	<25	230
1	ACW #14	25-Sep-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	81	--	--	--	--	--	--
2002110896-11	ACW #14	04-Nov-02	--	0.27	--	60	--	--	--	0.38	--	22	0.018	--	--	--	7.6	--	50	--	--	97	--	--	180	180	<2.0	240
2002110896-12	ACW #14D	04-Nov-02	--	0.27	--	61	--	--	--	0.40	--	23	0.018	--	--	--	7.7	--	51	--	--	99	--	--	180	180	<2.0	240
2003030318/74096-3	ACW #14	26-Mar-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	62.200	--	--	--	--	--	--
2003050551-6	ACW #14	20-May-03	--	--	--	55.600	--	--	--	--	--	20.800	--	--	--	--	--	--	--	--	--	77.800	--	--	--	--	--	224
2003050551-7	ACW #14D	20-May-03	--	--	--	53.500	--	--	--	--	--	20.100	--	--	--	--	--	--	--	--	--	75.600	--	--	--	--	--	216
2003080979-6	ACW #14	20-Aug-03	--	--	--	53.000	--	--	--	--	--	20.300	--	--	--	--	--	--	--	--	--	88.400	--	--	--	--	--	216
2003080979-7	ACW #14D	20-Aug-03	--	--	--	53.100	--	--	--	--	--	20.300	--	--	--	--	--	--	--	--	--	88.900	--	--	--	--	--	216
2003101363-14	ACW #14	05-Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	87.500	--	--	--	--	--	--
2004020197-7	ACW #14	26-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	89.800	--	--	--	--	--	--
2004020197-8	ACW #14D	26-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	89.100	--	--	--	--	--	--
2004050647-5	ACW #14	12-May-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	87.300	--	--	--	--	--	--
2004081157-5	ACW #14	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	85.500	--	--	--	--	--	--
2004111601-25	ACW #14	12-Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	88.7	--	--	--	--	--	--
2005020148-5	ACW #14	14-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	88.0	--	--	--	--	--	--
2005020148-6	ACW #14D	14-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	82.9	--	--	--	--	--	--
2005050586-8	ACW #14	24-May-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	82.000	--	--	--	--	--	--
2005081051-5	ACW #14	22-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	87.400	--	--	--	--	--	--
2005121523-17	ACW #14	14-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	92.100	--	--	--	--	--	--
2006020147-5	ACW #14	13-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	80.500	--	--	--	--	--	--
2006020147-6	ACW #14D	13-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	81.200	--	--	--	--	--	--
2006050558-7	ACW #14	09-May-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	74.800	--	--	--	--	--	--
2006081053-5	ACW #14	22-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	80.200	--	--	--	--	--	--
2006081053-6	ACW #14D	22-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	82.500	--	--	--	--	--	--
2007030225-20	ACW #14	07-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	85.7	--	--	--	--	--	--
2007030225-21	ACW #14D	07-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	89.3	--	--	--	--	--	--
2007050615-5	ACW #14	15-May-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	86.5	--	--	--	--	--	--
2007081015-5	ACW #14	22-Aug-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	80.2	--	--	--	--	--	--
2007081015-6	ACW #14D	22-Aug-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	77.3	--	--	--	--	--	--
2007111584-19	ACW #14	14-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	88	--	--	--	--	--	--
2007111584-20	ACW #14D	14-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	85.5	--	--	--	--	--	--
2008020241-5	ACW #14	19-Feb-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	77.1	--	--	--	--	--	--
2008020241-6	ACW #14D	19-Feb-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	84.3	--	--	--	--	--	--
2008060775-6	ACW #14	09-Jun-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	85.6	--	--	--	--	--	--
2008081172-6	ACW #14	13-Aug-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	76.2	--	--	--	--	--	--
2008081172-7	ACW #14D	13-Aug-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	69.7	--	--	--	--	--	--

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
2008111580-21	ACW #14	19-Nov-08	<1	<1	<1	<1	<1	<1	<1	--	--	910	7.0	546	70.5	--	19	--	--	--	--	--	--
2008111580-22	ACW #14D	19-Nov-08	<1	<1	<1	<1	<1	<1	<1	--	--	--	--	537	68.9	--	--	--	--	--	--	--	--
2009030219-6	ACW#14	03-Mar-09	<1	<1	<1	<1	<1	<1	<1	--	--	922	7.1	519	51.8	--	19.9	--	--	--	--	--	--
2009050622-7	ACW#14	19-May-09	<1	<1	<1	<1	<1	<1	<1	--	--	1100	7.0	561	64.3	--	21	--	--	--	--	--	--
2009080924-7	ACW#14	27-Aug-09	<1	<1	<1	<1	<1	<1	<1	--	--	988	7.0	603	62.3	--	21	--	--	--	--	--	--
11002181555	ACW#14	18-Feb-10	<1	<1	<1	<1	<1	<1	<1	--	--	1030	7.87	524	82	--	20.8	--	--	--	--	--	--
10060967-01	ACW#14	29-Jun-10	<1	<1	<1	<2	<1	<1	<1	--	--	794	7.72	<10	62.8	--	22.1	--	--	--	--	--	--
10090591-04	ACW#14	21-Sep-10	<1	0.26 J	<1	<2	<1	<1	<1	--	--	1000	7.57	705	98.4	--	22.9	--	--	--	--	--	--
10120332-04	ACW#14	07-Dec-10	<1	<1	<1	<2	<1	<1	<1	--	--	1070	7.51	600	83.4	--	20.9	--	--	--	--	--	--
M99-0206	ACW #15	23-Oct-99	3.2	5.3	<2	--	--	--	<4	--	--	1,010	8.24	587	180	87	21.2	<2	1.6	0.81	--	0.79	0.0089
M00-0026	ACW #15	23-Feb-00	<2	<2	<2	--	--	--	<2	--	--	665	7.71	402	42	84	16.6	<1.0	1.4	1.2	--	--	--
M00-0027	ACW #15D	23-Feb-00	<2	<2	<2	--	--	--	<2	--	--	660	7.71	394	42	92	16.6	<20	1.5	1.1	--	--	--
M00-0095	ACW #15	11-May-00	<5	<5	<5	--	--	--	<10	--	--	654	7.95	431	49	91	18.4	0.34	1.4	0.86	--	--	--
M00-0200	ACW #15	08-Aug-00	<2	<2	<2	--	--	--	<4	--	--	605	7.94	340	35	84	25.6	0.25	1.4	0.91	--	--	--
M00-0236	ACW #15	02-Nov-00	<5	<5	<5	--	--	--	<10	--	--	1,380	7.8	876	360	100	18.4	<20	1.4	0.93	--	--	<0.1
M01-0014	ACW #15	20-Feb-01	<2	<2	<2	--	--	--	<4	<5	--	725	7.89 H	423	64	78	21.5	0.33	1.3	1	--	--	--
M01-0015	ACW #15D	20-Feb-01	<2	<2	<2	--	--	--	<4	<5	--	727	7.87 H	413	65	81	21.7	0.34	1.3	1	--	--	--
M01-0160	ACW #15	07-May-01	<2	<2	<2	<2	<2	<2	<6	<5	--	629	7.81 H	416	52	84	26.0	0.28	1.3	0.99	--	--	--
M01-0161	ACW #15D	07-May-01	<2	<2	<2	<2	<2	<2	<6	<5	--	628	7.84 H	396	46	80	25.8	0.31	1.3	1	--	--	--
M01-0410	ACW #15	02-Aug-01	<2	<2	<2	--	--	--	<2	--	--	627	8.03	397	82	75	22.9	0.39	1.3	0.98	--	--	--
M01-0489	ACW #15	25-Oct-01	<2	<2	<2	<2	<2	<2	<6	--	--	627	7.86	393	56	85	19.9	<1	1.4	1	--	<0.05	<0.1
M02-0043	ACW #15	19-Feb-02	<2.0	3.4	2.0	--	--	--	11	--	--	629	7.83 H	369	27	79	--	0.31	1.4	0.97	--	--	--
M02-0044	ACW #15D	19-Feb-02	<2.0	<2.0	<2.0	--	--	--	<2.0 H	--	--	628	8.11 H	355	31	76	--	0.32	1.4	0.81	--	--	--
M02-0044	ACW #15D R	19-Feb-02	<2.0 H	<2.0 H	<2.0 H	--	--	--	<2.0 H	--	--	--	--	--	--	--	--	--	--	--	--	--	--
200240220-27	ACW #15	02-May-02	<2.0	<2.0	<2.0	--	--	--	<2.0	<5.0	--	670	7.79 H	404	30	110	--	<1	1.4	1.0	--	--	--
4	ACW #15	25-Sep-02	<2.0	<2.0	<2.0	--	--	--	<4.0	<5.0	--	777	7.91 H	552	130	--	--	--	--	--	--	--	--
2002110896-26	ACW #15	08-Nov-02	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<3.0	--	--	640	7.76 H	380	30	110	--	<0.50	1.5	1.3	--	--	0.010
2002110896-27	ACW #15D	08-Nov-02	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<3.0	--	--	620	7.78 H	410	29	110	--	<0.50	1.3	1.3	--	--	0.011
2003030318174112-2	ACW #15	28-Mar-03	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	700	8.0 H	472	31.4	--	--	--	--	--	--	--	--
2003050551-5	ACW #15	19-May-03	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	651	7.7 H	442	30.0	--	--	--	--	--	--	--	--
2003080979-4	ACW #15	19-Aug-03	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	650	6.99	438	29.1	--	--	--	--	--	--	--	--
2003101363-26	ACW #15	07-Nov-03	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	644	7.0	436	26.1	--	16.5	--	--	--	--	--	--
2004020197-5	ACW #15	26-Feb-04	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	600	6.7	410	27.0	--	18.4	--	--	--	--	--	--
2004050647-3	ACW #15	12-May-04	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	655	7.0	436	27.1	--	22.8	--	--	--	--	--	--
2004081157-3	ACW #15	24-Aug-04	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	587	7.2	382	26.0	--	22.7	--	--	--	--	--	--
2004111601-24	ACW #15	11-Nov-04	<1.0	<1.0	<1.0	--	--	--	<2.0	--	--	760	7.3	468	29.0	--	21.3	--	--	--	--	--	--
2005020148-3	ACW #15	14-Feb-05	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	937	7.0	444	30.0	--	18.9	--	--	--	--	--	--
2005050586-10	ACW #15	24-May-05	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	655	7.3	513	61.0	--	23.9	--	--	--	--	--	--
2005050586-11	ACW #15D	24-May-05	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	--	--	458	34.0	--	--	--	--	--	--	--	--
2005081051-3	ACW #15	22-Aug-05	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	743	6.9	456	31.0	--	24.8	--	--	--	--	--	--
2005121523-22	ACW #15	14-Dec-05	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	754	7.1	452	32.0	--	18.2	--	--	--	--	--	--
2006020147-3	ACW #15	13-Feb-06	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	730	7.2	444	39.0	--	18.5	--	--	--	--	--	--
2006050558-3	ACW #15	8-May-06	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	721	7.2	377	33.0	--	21.9	--	--	--	--	--	--
2006081053-4	ACW #15	22-Aug-06	<2.0	<2.0	<2.0	--	--	--	<6.0	--	--	708	7.1	414	41.0	--	22.2	--	--	--	--	--	--
2007050615-3	ACW #15	8-Mar-07	<1	<1	<1	<1	<1	<1	<1	--	--	716	7.4	457	44.1	--	20.2	--	--	--	--	--	--
2007081015-1	ACW #15	22-Aug-07	<1	<1	<1	<1	<1	<1	<1	--	--	799	7.3	47	105	--	--	--	--	--	--	--	--
2007111584-25	ACW #15	15-Nov-07	<1	<1	<1	<1	<1	<1	<1	--	--	752	7.3	520	50	--	19.9	--	--	--	--	--	--
2008020241-3	ACW #15	19-Feb-08	<1	<1	<1	<1	<1	<1	<1	--	--	844	7.3	542	62.2	--	19.6	--	--	--	--	--	--
2008060775-3	ACW #15	9-Jun-08	<1	<1	<1	<1	<1	<1	<1	--	--	840	7.3	538	56.1	--	19.8	--	--	--	--	--	--
2008081172-4	ACW #15	13-Aug-08	<1	<1	<1	<1	<1	<1	<1	--	--	848	7.3	588	62.1	--	19.9	--	--	--	--	--	--
2008111580-27	ACW #15	19-Nov-08	<1	<1	<1	<1	<1	<1	<1	--	--	828	7.1	481	47.1	--	21.2	--	--	--	--	--	--
2009030219-3	ACW #15	3-Mar-09	<1	<1	<1	<1	<1	<1	<1	--	--	857	7.2	491	50.3	--	19.9	--	--	--	--	--	--
2009050622-4	ACW #15	19-May-09	<1	<1	<1	<1	<1	<1	<1	--	--	825	7.1	493	55.6	--	22	--	--	--	--	--	--
2009080924-4	ACW#15D	19-May-09	<1	<1	<1	<1	<1	<1	<1	--	--	--	--	482	65.1	--	--	--	--	--	--	--	--
2009080924-5	ACW#15	27-Aug-09	<1	<1	<1	<1	<1	<1	<1	--	--	840	7.2	515	59.9	--	20	--	--	--	--	--	--
1002171120	ACW#15	27-Aug-09	<1	<1	<1	<1	<1	<1	<1	--	--	839	7.69	337	30.9	--	--	--	--	--	--	--	--
10060909-02	ACW#15	17-Feb-10	--	--	--	--	--	--	--	--	--	--	--	671	48.8	--	19.5	--	--	--	--	--	--
10090591-02	ACW#15	28-Jun-10	<1	<1	<1	<2	<1	<1	<1	--	--	837	7.51	476	30.3	--	22.3	--	--	--	--	--	--
10120332-22	ACW #15	20-Sep-10	<1	0.33 J	<1	<2	<1	<1	<1	--	--	878	7.54	476	30.3	--	22.0	--	--	--	--	--	--
		9-Dec-10	<1	0.6 J	<1	<2	<1	<1	<1	--	--	9300	7.59	5500	72	--	19.9	--	--	--	--	--	--

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

Laboratory Sample Number	Sample Description	Sample Date	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l	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 - Hydroxide, mg/l	Hardness (as CaCO ₃), mg/l
2008111580-21	ACW #14	19-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	82.9	--	--	--	--	--
2008111580-22	ACW #14D	19-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	80.9	--	--	--	--	--
2009030219-6	ACW#14	03-Mar-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	87.2	--	--	--	--	--
2009050622-7	ACW#14	19-May-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	97.9	--	--	--	--	--
2009080924-7	ACW#14	27-Aug-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	86	--	--	--	--	--
11002181555	ACW#14	18-Feb-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	91.6	--	--	--	--	--
10060967-01	ACW#14	29-Jun-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	93.4	--	--	--	--	--
10090591-04	ACW#14	21-Sep-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	95.1	--	--	--	--	--
10120332-04	ACW#14	07-Dec-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	98.8	--	--	--	--	--
M99-0206	ACW #15	23-Oct-99	0.11	0.21	<0.002	66	0.022	<0.005	0.0039	0.75	<0.005	20	0.051	<0.0002	0.040	<0.02	28	--	30	<0.005	--	130	<0.0005	0.096	<25	<25	250
M00-0026	ACW #15	23-Feb-00	--	--	--	62	--	--	--	--	--	15	--	--	--	--	5.7	--	27	--	--	170	--	--	<25	<25	220
M00-0027	ACW #15D	23-Feb-00	--	--	--	58	--	--	--	--	--	15	--	--	--	--	5.8	--	24	--	--	180	--	--	<25	<25	210
M00-0095	ACW #15	11-May-00	--	--	--	47	--	--	--	--	--	14	--	--	--	--	4.9	--	29	--	--	170	--	--	<25	<25	170
M00-0200	ACW #15	08-Aug-00	--	--	--	45	--	--	--	--	--	14	--	--	--	--	9.1	--	34	--	--	170	--	--	<25	<25	160
M00-0236	ACW #15	02-Nov-00	0.064	0.27	<0.01	53	<0.01	--	<0.005	0.22	<0.05	18	0.026	<0.0002	--	--	16	<-0.1	27	<0.02	--	250	--	<0.1	<25	<25	210
M01-0014	ACW #15	20-Feb-01	--	--	--	40	--	--	--	--	--	14	--	--	--	--	8.6	--	31	--	--	160	--	--	<25	<25	160
M01-0015	ACW #15D	20-Feb-01	--	--	--	38	--	--	--	--	--	13	--	--	--	--	7.5	--	31	--	--	180	--	--	<25	<25	150
M01-0160	ACW #15	07-May-01	--	--	--	42	--	--	--	--	--	14	--	--	--	--	5.8	--	32	--	--	180	--	--	<25	<25	160
M01-0161	ACW #15D	07-May-01	--	--	--	42	--	--	--	--	--	14	--	--	--	--	6.2	--	32	--	--	180	--	--	<25	<25	160
M01-0410	ACW #15	02-Aug-01	--	--	--	38	--	--	--	--	--	13	--	--	--	--	9.2	--	35	--	--	170	--	--	<25	<25	150
M01-0489	ACW #15	25-Oct-01	0.042	0.22	<0.005	37	<0.01	<0.01	<0.005	0.17	<0.05	13	0.0073	0.0003	<0.01	<0.04	72	<-0.1	34	<0.02	--	72	<0.005	<0.1	<25	<25	150
M02-0043	ACW #15	19-Feb-02	--	--	--	35	--	--	--	--	--	12	--	--	--	--	18	--	18	--	--	170	--	--	<25	<25	140
M02-0043	ACW #15 R	19-Feb-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M02-0044	ACW #15D	19-Feb-02	--	--	--	52	--	--	--	--	--	15	--	--	--	--	9.6	--	18	--	--	160	--	--	<25	<25	190
M02-0044	ACW #15D R	19-Feb-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
200240220-27	ACW #15	02-May-02	--	--	--	42	--	--	--	--	--	15	--	--	--	--	5.8	--	33	--	--	--	--	--	<25	<25	170
4	ACW #15	25-Sep-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	72	--	--	--	--	--
2002110896-26	ACW #15	08-Nov-02	--	0.25	--	47	--	--	--	0.16	--	16	<0.010	--	--	--	6.1	--	50	--	--	85	--	--	<2.0	<2.0	180
2002110896-27	ACW #15D	08-Nov-02	--	0.23	--	46	--	--	--	0.15	--	15	<0.010	--	--	--	5.9	--	53	--	--	81	--	--	<2.0	<2.0	180
2003030318T4112-2	ACW #15	28-Mar-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	55.200	--	--	--	--	--
2003050551-5	ACW #15	19-May-03	--	--	--	45.900	--	--	--	--	--	16.300	--	--	--	--	--	--	--	--	--	66.000	--	--	--	--	180
2003080979-4	ACW #15	19-Aug-03	--	--	--	44.600	--	--	--	--	--	16.500	--	--	--	--	--	--	--	--	--	77.000	--	--	--	--	179
2003101363-26	ACW #15	07-Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	71.000	--	--	--	--	--
2004020197-5	ACW #15	26-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	74.500	--	--	--	--	--
2004050647-3	ACW #15	12-May-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70.700	--	--	--	--	--
2004081157-3	ACW #15	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	73.700	--	--	--	--	--
2004111601-24	ACW #15	11-Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	73.5	--	--	--	--	--
2005020148-3	ACW #15	14-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	71.2	--	--	--	--	--
2005050586-10	ACW #15	24-May-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	78.800	--	--	--	--	--
2005050586-11	ACW #15D	24-May-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	72.100	--	--	--	--	--
2005081051-3	ACW #15	22-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	75.300	--	--	--	--	--
2005121523-22	ACW #15	14-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	74.100	--	--	--	--	--
2006020147-3	ACW #15	13-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	71.300	--	--	--	--	--
2006050558-3	ACW #15	8-May-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	67.600	--	--	--	--	--
2006081053-4	ACW #15	22-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	72.400	--	--	--	--	--
2007030225-31	ACW #15	8-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	76.6	--	--	--	--	--
2007050615-3	ACW #15	15-May-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	77	--	--	--	--	--
2007081015-1	ACW #15	22-Aug-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--
2007111584-25	ACW #15	15-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	77.5	--	--	--	--	--
2008020241-3	ACW #15	19-Feb-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70.3	--	--	--	--	--
2008060775-3	ACW #15	9-Jun-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	76.1	--	--	--	--	--
2008081172-4	ACW #15	13-Aug-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	65.2	--	--	--	--	--
2008111580-27	ACW #15	19-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	71.5	--	--	--	--	--
2009030219-3	ACW #15	3-Mar-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	82.2	--	--	--	--	--
2009050622-4	ACW #15	19-May-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	81.5	--	--	--	--	--
2009050622-5	ACW#15D	19-May-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	79.5	--	--	--	--	--
2009080924-4	ACW#15	27-Aug-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	77.5	--	--	--	--	--
2009080924-5	ACW#15D	27-Aug-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	78.9	--	--	--	--	--
1002171120	ACW#15	17-Feb-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	47.4	--	--	--	--	--
10060909-02	ACW#15	28-Jun-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	85.3	--	--	--	--	--
10090591-02	ACW#15	20-Sep-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	81.2	--	--	--	--	--
10120332-22	ACW #15	9-Dec-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	78.6	--	--	--	--	--

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	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
M00-0241	RW #1	03-Nov-00	130	40	73	—	—	—	120	—	—	62,000	8.3	43,900	32,000	790	19.3	<200	6.0	0.10	—	—	0.82
2004111601-5	RW #1	09-Nov-04	114 R	24.1	70.3	—	—	—	62.1	—	—	67,670	8.2	39,900	13,700	—	20.2	—	—	—	—	—	—
2005121523-33	RW #1	15-Dec-05	136	20.7	90.5	—	—	—	91.8	—	—	48,800	8.5	32,600	23,600	—	16.9	—	—	—	—	—	—
2007030225-5	RW #1	05-Mar-07	93	25	59	54	54	17	71	—	—	47,800	8.5	30,400	22,500	—	19.8	—	—	—	—	—	—
2007111584-4	RW #1	12-Nov-07	110	47	69	61	61	20	81	—	—	44,900	8.8	29,700	16,800	—	19.9	—	—	—	—	—	—
2008111580-5	RW #1	17-Nov-08	57	39	37	39	39	13	52	—	—	38,400	8.8	26,600	17,700	—	18.9	—	—	—	—	—	—
1002191520	RW #1	19-Feb-10	120	100	56	63	63	21	84	—	—	34,600	8.52	35,000	22,600	—	20.1	—	—	—	—	—	—
10120332-09	RW #1	07-Dec-10	86	69	46	53	53	18	71	—	—	27,500	5.15	28,600	20,800	—	27.1	—	—	—	—	—	—
10120332-14	RW #1D	07-Dec-10	94	70	50	57	57	19	76	—	—	—	—	34,000	21,900	—	—	—	—	—	—	—	—
M00-0239	RW #2	03-Nov-00	<5	<5	<5	—	—	—	<10	—	—	7,340	6.8	5,660	2,800	240	19.3	<20	0.44	0.11	—	—	<0.1
M01-0485	RW #2	25-Oct-01	—	—	—	—	—	—	—	—	—	8,380	—	5,050	2,400	—	—	—	—	—	—	—	—
200210896-22	RW #2	06-Nov-02	1.5	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	—	—	8,700	6.78 H	5,800	3,500	260	—	2.0	<0.40	<0.20	—	—	0.014
2004111601-16	RW #2	10-Nov-04	2.1	0.48 J	<1.0	—	—	—	<2.0	—	—	5,870	6.4	7,000	2,850	—	21.3	—	—	—	—	—	—
2005121523-18	RW #2	14-Dec-05	1.9 J	<2.0	<2.0	—	—	—	<6.0	—	—	8,450	6.4	5,060	2,280	—	16.2	—	—	—	—	—	—
2007030225-16	RW #2	06-Mar-07	4.2	<1	<1	<1	<1	<1	<1	—	—	10,320	6.5	7,200	3,950	—	21.2	—	—	—	—	—	—
2008111580-23	RW #2	19-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	13,830	6.5	10,800	5,850	—	20.1	—	—	—	—	—	—
1002241410	RW #2	24-Feb-10	4	<1	<1	<1	<1	<1	<1	—	—	21,700	8.29	5,780	2,510	—	20.6	—	—	—	—	—	—
10120332-23	RW #2	09-Dec-10	<1	<1	<1	<2	<1	<1	<1	—	—	11,340	6.66	8,620	3,840	—	19.6	—	—	—	—	—	—
ENSR #1	ENSR #1	07-May-97	7.3	3.7	2.4	—	—	—	2	—	—	8,620	—	5,200	3,200	—	—	—	—	—	—	—	—
ENSR #1	ENSR #1	21-Oct-97	13	6.3	4.2	—	—	—	5.6	—	—	13,800	—	7,600	4,400	—	—	—	—	—	—	—	—
S98-0172	ENSR #1	12-May-98	13	4.6	4.0	—	—	—	4.4	—	—	12,000	—	6,700	3,600	—	—	—	—	—	—	—	—
2007030225-16	ENSR #1	20-Oct-98	—	—	—	—	—	—	—	—	—	12,400	—	7,590	4,200	—	—	—	—	—	—	—	—
S98-0457	ENSR #1	20-Oct-98	—	—	—	—	—	—	—	—	—	14,700	—	8,450	5,500	—	—	—	—	—	—	—	—
M99-0004	ENSR #1	11-May-99	—	—	—	—	—	—	—	—	—	12,400	—	6,290	4,100	—	—	—	—	—	—	—	—
M99-0188	ENSR #1	20-Oct-99	—	—	—	—	—	—	—	—	—	12,800	—	7,420	6,200	—	—	—	—	—	—	—	—
M00-0082	ENSR #1	09-May-00	—	—	—	—	—	—	—	—	—	10,200	—	6,690	3,800	—	—	—	—	—	—	—	—
M00-0220	ENSR #1	27-Oct-00	—	—	—	—	—	—	—	—	—	10,600	—	7,140	4,000	—	—	—	—	—	—	—	—
M00-0221	ENSR #1D	27-Oct-00	—	—	—	—	—	—	—	—	—	19,200	—	10,200	7,600	—	—	—	—	—	—	—	—
M01-0141	ENSR #1	02-May-01	—	—	—	—	—	—	—	—	—	15,300	—	8,050	5,100	—	—	—	—	—	—	—	—
M01-0470	ENSR #1	23-Oct-01	—	—	—	—	—	—	—	—	—	11,400	—	6,070	3,600	—	—	—	—	—	—	—	—
M01-0471	ENSR #1D	23-Oct-01	—	—	—	—	—	—	—	—	—	9,480	—	4,770	3,800	—	—	—	—	—	—	—	—
2002040220-04	ENSR #1	29-Apr-02	—	—	—	—	—	—	<30	—	—	12,000	7.28 H	7,600	4,500	34	20.8	1.0	3.0	0.25 H	—	—	0.046
2002110896-7	ENSR #1	04-Nov-02	18	<10	<10	<20	<20	<10	<30	—	—	6,510	7.1	2,260	2,600	—	21.7	—	—	—	—	—	—
2003101363-13	ENSR #1	04-Nov-03	13.1	1.2 J	3.1	—	—	—	3.1 J	—	—	5,800	7.1	3,900	1,920	—	20.1	—	—	—	—	—	—
2004111601-11	ENSR #1	10-Nov-04	10.8	1.1	2.8	—	—	—	2.0	—	—	—	—	3,150	1,420	—	—	—	—	—	—	—	—
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	2.4	<1	2.4	—	—	4,860	7.3	4,010	2,230	—	16.3	—	—	—	—	—	—
2007111584-12	ENSR #1	13-Nov-07	11	<1	3.7	1.9	1.9	<1	1.9	—	—	7,430	7.1	2,830	1,230	—	19.6	—	—	—	—	—	—
2008111580-12	ENSR #1	18-Nov-08	6.2	<1	2.2	1.3	1.3	<1	1.3	—	—	7,690	6.9	3,270	1,680	—	18.4	—	—	—	—	—	—
1002250920	ENSR #1	25-Feb-10	4.1	<1	1.1	<1	<1	<1	<1	—	—	13,890	7.07	3,760	1,640	—	20.0	—	—	—	—	—	—
1002250000	ENSR #1D	25-Feb-10	4.2	<1	1.2	<1	<1	<1	<1	—	—	—	—	3,760	1,630	—	—	—	—	—	—	—	—
10120332-27	ENSR #1	09-Dec-10	12	1.4	0.9 J	1.2 J	1.2 J	<1	1.2 J	—	—	22,500	7.76	9,210	4,620	—	21.9	—	—	—	—	—	—
10120332-29	ENSR #1D	09-Dec-10	12	0.25 J	<1	<1	<1	<1	<1	—	—	—	—	7,670	4,690	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—
M99-0183	ENSR #2	19-Oct-99	—	—	—	—	—	—	—	—	—	28,900	—	16,600	9,400	—	—	—	—	—	—	—	—
M00-0080	ENSR #2	09-May-00	—	—	—	—	—	—	—	—	—	42,900	—	26,700	18,000	—	—	—	—	—	—	—	—
M01-0495	ENSR #2	29-Oct-01	—	—	—	—	—	—	—	—	—	42,000	—	25,100	13,000	—	—	—	—	—	—	—	—
2004111601-6	ENSR #2	09-Nov-04	72.1 R	28.4	18.1	—	—	—	93.8	—	—	35,500	9.1	22,500	12,900	—	21.5	—	—	—	—	—	—
2005121523-23	ENSR #2	14-Dec-05	49.4	53.4	21.5	—	—	—	32.9	—	—	34,400	9.3	20,600	10,400	—	18.1	—	—	—	—	—	—
2007030225-8	ENSR #2	05-Mar-07	10	12	4.5	5.5	5.5	1.8	7.3	—	—	33,300	9.3	22,100	12,400	—	20.1	—	—	—	—	—	—
2008111580-7	ENSR #2	17-Nov-08	72	96	38	52	52	18	70	—	—	39,200	9.5	24,200	18,200	—	20.5	—	—	—	—	—	—
2008111580-8	ENSR #2D	17-Nov-08	73	99	39	54	54	18	72	—	—	—	—	24,000	15,500	—	—	—	—	—	—	—	—
1002191458	ENSR #2	19-Feb-10	30	30	13	17	17	5.8	22.8	—	—	33,600	8.74	15,400	9,560	—	20.3	—	—	—	—	—	—
10120332-21	ENSR #2	08-Dec-10	28	38	9.1	12	12	4.5 J	16.5	—	—	11,000	7.47	15,300	8,500	—	21.2	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—

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	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l	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
M00-0241	RW #1	03-Nov-00	0.47	2.4	<0.05	760	<0.05	--	<0.025	<0.5	<0.25	330	2.5	0.0029	--	--	100	<0.5	19	<0.1	22,000	--	<0.5	1,500	25	<25	--	3,200
2004111601-5	RW #1	09-Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12,400	--	--	--	--	--	--	--
2005121523-33	RW #1	15-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11,500	--	--	--	--	--	--	--
2007030225-5	RW #1	05-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10,800	--	--	--	--	--	--	--
2007111584-4	RW #1	12-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10,600	--	--	--	--	--	--	--
2008111580-5	RW #1	17-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8,530	--	--	--	--	--	--	--
1002191520	RW #1	19-Feb-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11,600	--	--	--	--	--	--	--
10120332-09	RW #1	07-Dec-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9,880	--	--	--	--	--	--	--
10120332-14	RW #1D	07-Dec-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10,500	--	--	--	--	--	--	--
M00-0239	RW #2	03-Nov-00	0.18	<0.1	<0.01	610	0.012	--	<0.005	0.12	<0.05	190	0.83	<0.0002	--	--	15	<0.1	39	<0.02	680	--	<0.1	470	<25	<25	--	2,300
M01-0485	RW #2	25-Oct-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2002110896-22	RW #2	06-Nov-02	--	0.65	--	730	--	--	--	0.45	--	210	0.82	--	--	--	27	--	58	--	1,400	--	--	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	--	--	--	--	--	--	--
2008111580-23	RW #2	19-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,910	--	--	--	--	--	--	--
1002241410	RW #2	24-Feb-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,170	--	--	--	--	--	--	--
10120332-23	RW #2	09-Dec-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1,590	--	--	--	--	--	--	--
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	--	0.76	--	140	--	--	--	4.8	--	58	0.54	--	--	--	28	--	58	--	1,900	--	--	610	<2.0	<2.0	--	600
2003101363-13	ENSR #1	04-Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--												

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

Laboratory Sample Number	Sample Description	Sample Date	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene µg/l	p-Xylene µg/l	o-Xylene µg/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, µg/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
S98-0176	ENSR #3D	12-May-98	14	4.4	2.3	—	—	—	4.4	—	—	2,200	—	1,300	550	—	—	—	—	—	—	—	—
S98-0461	ENSR #3	20-Oct-98	—	—	—	—	—	—	—	—	—	2,260	—	1,580	590	—	—	—	—	—	—	—	—
S98-0462	ENSR #3D	20-Oct-98	—	—	—	—	—	—	—	—	—	2,240	—	1,290	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	—	—	—	—	—	—	—	—	—	2,410	—	1,870	640	—	—	—	—	—	—	—	—
M01-0138	ENSR #3	02-May-01	—	—	—	—	—	—	—	—	—	2,480	—	1,240	610	—	—	—	—	—	—	—	—
M01-0139	ENSR #3D	02-May-01	—	—	—	—	—	—	—	—	—	2,490	—	1,270	680	—	—	—	—	—	—	—	—
M01-0472	ENSR #3	23-Oct-01	—	—	—	—	—	—	—	—	—	2,480	—	1,300	620	—	—	—	—	—	—	—	—
2002040220-05	ENSR #3	29-Apr-02	—	—	—	—	—	—	—	—	—	2,500	—	1,350	580	—	—	—	—	—	—	—	—
2002040220-06	ENSR #3D	29-Apr-02	—	—	—	—	—	—	—	—	—	2,370	—	1,390	490	—	—	—	—	—	—	—	—
2002110896-8	ENSR #3	04-Nov-02	7.1	<5.0	22	25	<5.0	25	11.4	—	—	2,100	7.09 H	1,400	520	45	—	2.3	1.2	H	—	—	0.016
2003101363-6	ENSR #3	03-Nov-03	9.3	<2.0	11.2	—	—	—	—	—	—	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	—	—	—	—	—	—
2007111584-11	ENSR #3	12-Nov-07	11	<1	22	22	<1	<1	22	—	—	2,360	6.6	1,630	477	—	20.2	—	—	—	—	—	—
2008111580-10	ENSR #3	17-Nov-08	5.5	<1	12	13	<1	13	—	—	—	2,100	6.4	1,390	422	—	21.8	—	—	—	—	—	—
1002251230	ENSR #3	25-Feb-10	2.9	<1	8.2	5.6	<1	5.6	—	—	—	2,390	7.3	1,550	364	—	20.9	—	—	—	—	—	—
10120332-19	ENSR #3	08-Dec-10	19	0.73 J	14	19	0.49 J	19.49	—	—	—	8,000	7.58	2,060	552	—	21.7	—	—	—	—	—	—
S98-0186	Oxy Production Well	13-May-98	<0.50	<0.50	<0.50	—	—	—	<1.0	—	—	800	7.8	480	120	61	—	<2	1.1	0.93	—	—	—
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	—	—	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	—	—	831	7.91	468	120	59	23.6	0.6	0.96	0.27	—	—	—
M99-0093	Oxy Production Well	11-Aug-99	<2	<2	<2	—	—	—	<2	—	—	808	7.67	466	140	59	20.5	0.5	1.0	0.78	—	—	—
M99-0203	Oxy Production Well	22-Oct-99	<2	<2	<2	—	—	—	<4	—	—	788	7.86	490	130	56	19.2	0.53	1.0	0.41	—	<0.025	0.011
M00-0025	Oxy Production Well	23-Feb-00	<2	<2	<2	<2.0	<2.0	<2.0	<6.0	—	—	630	7.85	392	38	77	17.6	<1.0	1.1	1.2	—	—	—
M00-0097	Oxy Production Well	11-May-00	<5	<5	<5	—	—	—	<10	—	—	835	7.96	504	120	63	19.6	0.50	0.99	0.84	—	—	—
M00-0196	Oxy Production Well	07-Aug-00	<2	<2	<2	—	—	—	<4	—	—	802	7.96	433	120	59	25.9	0.44	0.99	0.71	—	—	—
M00-0235	Oxy Production Well	02-Nov-00	<2	<2	<2	—	—	—	<4	—	—	662	7.8	475	120	60	18.6	<2	1.1	0.70	—	—	<0.1
M01-0016	Oxy Production Well	20-Feb-01	<2	<2	<2	—	—	—	<4	<5	—	805	7.83 H	442	130	52	22.6	0.57	0.99	0.70	—	—	—
M01-0165	Oxy Production Well	07-May-01	<2	<2	<2	<2	<2	—	<2	<5	—	781	7.7 H	481	140	58	24.9	0.61	1.0	0.82	—	—	—
M01-0408	Oxy Production Well	01-Aug-01	<2	<2	<2	<2	<2	—	<2	<5	—	807	7.7	532	120	57	22.5	<2	1.0	1.0	—	—	—
M01-0488	Oxy Production Well	25-Oct-01	<2	<2	<2	<2	<2	—	<2	—	—	822	7.69	500	120	62	20.3	1.1	1.1	0.9	—	<0.05	<0.1
5	Oxy Production Well	25-Sep-02	<2.0	<2.0	<2.0	—	—	—	<4.0	<5.0	—	827	7.41 H	552	34	—	—	—	—	—	—	—	—
2002110896-18	Oxy Production Well	06-Nov-02	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	—	—	820	7.58 H	580	140	65	—	0.57	1.0	0.73	—	—	0.0085
2003030318/T4096-4	Oxy Supply	26-Mar-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	870	7.6 H	556	162	—	—	—	—	—	—	—	—
2003050551-4	Oxy Supply	19-May-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	863	7.5 H	544	190	—	—	—	—	—	—	—	—
2003080979-5	Oxy Supply	19-Aug-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	786	6.86	500	126	—	—	—	—	—	—	—	—
2003101363-7	Oxy Supply	03-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	822	7.2	572	154	—	22.4	—	—	—	—	—	—
2004020197-1	Oxy Supply	25-Feb-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	830	6.5	548	136	—	18.4	—	—	—	—	—	—
2004050647-6	Oxy Supply	13-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	851	7.0	922	157	—	23.6	—	—	—	—	—	—
2004050647-7	Oxy Supply-D	13-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	588	182	—	—	—	—	—	—	—	—
2004081157-6	Oxy Supply	25-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	849	7.1	654	193	—	23.9	—	—	—	—	—	—
2004081157-7	Oxy Supply-D	25-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	650	200	—	—	—	—	—	—	—	—
2004111601-23	Oxy Supply	11-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	984	7.3	588	135	—	19.6	—	—	—	—	—	—
2005020148-7	Oxy Supply	15-Feb-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1,226	6.9	397	29.0	—	19.5	—	—	—	—	—	—
2005050586-12	Oxy Supply	25-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	935	7.0	611	147	—	23.8	—	—	—	—	—	—
2005050586-12	Oxy Supply	25-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1,190	6.9	650	217	—	24.2	—	—	—	—	—	—
2005081051-8	Oxy Supply	23-Aug-05	<2.0 H	<2.0 H	<2.0 H	—	—	—	<6.0 H	—	—	1,238	7.0	696	228	—	15.2	—	—	—	—	—	—
2005121523-31	Oxy Supply	15-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1,198	7.0	635	213	—	18.3	—	—	—	—	—	—
2006020147-7	Oxy Supply	14-Feb-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1,098	7.2	513	171	—	22.2	—	—	—	—	—	—
2006050558-6	Oxy Supply	08-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	980	7.0	9980 (556 R H)	168	—	23.7	—	—	—	—	—	—
2006081053-9	Oxy Supply	23-Aug-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1,036	7.2	730	199	—	19.9	—	—	—	—	—	—
2007030225-29	Oxy Supply	08-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	702	199	—	—	—	—	—	—	—	—
2007030225-30	Oxy Supply Dup	08-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	702	199	—	—	—	—	—	—	—	—

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, 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
2007050615-7	Oxy Supply	16-May-07	<1	<1	<1	<1	<1	<1	<1	—	—	1,094	7.0	699	202	—	—	—	—	—	—	—	—
2007050615-8	Oxy Supply Dup	16-May-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	730	201	—	—	—	—	—	—	—	—
2007091015-7	Oxy Supply	23-Aug-07	<1	<1	<1	<1	<1	<1	<1	—	—	1,159	7.0	701	186	—	—	—	—	—	—	—	—
2007111584-26	Oxy Supply	15-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	1,059	7.2	796	188	—	21	—	—	—	—	—	—
Production Well #1	Production Well #1	08-May-97	0.56	0.55	<0.5	—	—	—	<1.0	—	—	718	—	—	—	—	—	—	—	—	—	—	—
Production Well #1	Production Well #1	23-Oct-97	<0.5	<0.5	<0.5	—	—	—	<1.0	—	—	890	—	470	91	—	—	—	—	—	—	—	—
S98-0193	Production Well #1	14-May-98	—	—	—	—	—	—	—	—	—	850	—	500	67	—	—	—	—	—	—	—	—
S98-0194	Production Well #1D	14-May-98	<0.50	<0.50	<0.50	—	—	—	<1.0	—	—	860	—	520	67	—	—	—	—	—	—	—	—
S98-0479	Production Well #1	22-Oct-98	<2	<2	<2	<2	<2	<2	<6	—	—	994	—	659	56	—	—	—	—	—	—	—	—
M99-0030	Production Well #1	14-May-99	—	—	—	—	—	—	—	—	—	846	—	469	70	—	—	—	—	—	—	—	—
M99-0210	Production Well #1	23-Oct-99	<2	<2	<2	<2	<2	<2	<6	—	—	891	—	540	2.5	—	—	—	—	—	—	—	—
M00-0224	Production Well #1	27-Oct-00	—	—	—	—	—	—	—	—	—	850	—	603	94	—	—	—	—	—	—	—	—
M01-0496	Production Well #1	29-Oct-01	—	—	—	—	—	—	—	—	—	890	—	523	65	—	—	—	—	—	—	—	—
2002110896-30	EPNG #1	08-Nov-02	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<3.0	—	—	940	7.20 H	600	60	130	—	<0.50	1.3	1.5	—	—	0.010
2003101363-27	EPNG #1	07-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	733	6.8	600	62.0	—	16.4	—	—	—	—	—	—
2004111601-30	EPNG #1	12-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	963	7.1	516	68.0	—	17.8	—	—	—	—	—	—
2005121523-28	EPNG #1	15-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1,103	6.8	674	52.0	—	18	—	—	—	—	—	—
20070303225-34	EPNG #1	09-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	747	7.3	485	58	—	20.9	—	—	—	—	—	—
2007111584-29	EPNG #1	16-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	738	7.1	851	52.3	—	20.5	—	—	—	—	—	—
2007111584-30	EPNG #1D	16-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	670	52.2	—	—	—	—	—	—	—	—
2008111580-29	EPNG #1	20-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	1,118	7.0	674	70.7	—	18.5	—	—	—	—	—	—
2008111580-30	EPNG #1D	20-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	670	70.6	—	—	—	—	—	—	—	—
1002241055	EPNG #1	24-Feb-10	<1	<1	<1	<1	<1	<1	<1	—	—	1,060	7.23	420	63.2	—	21.2	—	—	—	—	—	—
10120332-28	EPNG #1	09-Dec-10	0.3 J	1.6	3.2	2.5	0.43 J	2.93	—	—	—	2,300	7.79	980	73.6	—	23.1	—	—	—	—	—	—
S98-0057	Production Well Dooms	24-Feb-98	<0.50	<0.50	<0.50	—	—	—	<1.0	—	—	634	8.1	410	38	85	—	0.3	1.1	1.2	—	—	—
S98-0180	Production Well Dooms	13-May-98	<0.50	<0.50	<0.50	—	—	—	<1.0	—	—	640	7.8	410	30	81	—	<2	1.2	1.2	—	—	—
S98-0292	Production Well Dooms	10-Aug-98	<2	<2	<2	<2	<2	<2	<6	—	—	629	7.76	450	34	83	20.2	<1	<0.4	1.2/<0.05	5.3	—	—
S98-0464	Production Well Dooms	20-Oct-98	<2	<2	<2	<2	<2	<2	<6	—	—	636	7.71	464	35	80	18.0	<2	1.0	1.2	—	—	—
S98-0081	Production Well Dooms	23-Feb-99	<2	<2	<2	—	—	—	<2	—	—	627	7.86	364	31	73	14.9	0.3	0.89	0.89	—	—	—
M99-0018	Production Well Dooms	13-May-99	<2	<2	<2	—	—	—	<2	—	—	630	7.76	381	34	80	23.6	0.4	0.84	0.82	—	—	—
M99-0092	Production Well Dooms	11-Aug-99	<2	<2	<2	—	—	—	<2	—	—	629	7.69	372	30	79	19.8	0.2	0.83	1.1	—	—	—
M99-0193	Production Well Dooms	21-Oct-99	<2	<2	<2	—	—	—	<4	—	—	617	7.74	400	32	74	19.2	0.29	0.86	1.1	—	0.042	0.0096
M00-0022	Production Well Dooms	23-Feb-00	<2	<2	<2	<2.0	<2.0	<2.0	<6.0	—	—	814	7.92	506	130	54	17.4	0.58	1.1	0.72	—	—	—
M00-0094	Production Well Dooms	10-May-00	<5	<5	<5	—	—	—	<10	—	—	619	7.69	417	31	77	21.3	0.27	0.82	1.2	—	—	—
M00-0204	Production Well Dooms	14-Aug-00	<5	<5	<5	—	—	—	<10	—	—	597	7.72	400	28	75	27.2	<0.2	0.93	1.2	—	—	—
M00-0233	Production Well Dooms	02-Nov-00	<2	<2	<2	—	—	—	<4	—	—	530	7.8	375	32	79	18.4	<2	1.0	0.95	—	—	<0.1
M01-0010	Production Well Dooms	20-Feb-01	<2	<2	<2	—	—	—	<4	<5	—	619	7.75 H	372	33	66	23.0	0.35	0.85	1.1	—	—	—
M01-0143	Production Well Dooms	03-May-01	<2	<2	<2	—	—	—	<2	<5	—	615	7.75	419	30	74	22.7	0.51	0.91	1	—	—	—
M01-0409	Production Well Dooms	01-Aug-01	<2	<2	<2 Jc	—	—	—	<2	<5	—	618	7.72	374	28	75	22.7	<2	0.92	1.2	—	—	—
M01-0497	Production Well Dooms	29-Oct-01	<2	<2	<2	<2	<2	<2	<6	—	—	622	7.80	396	28	74	22.7	<2	0.96	1.2	—	<0.05	<0.1
M02-0050	Production Well Dooms	20-Feb-02	<2.0	19	3.9	—	—	—	24	—	—	620	7.68 H	373	31	64	—	0.33	0.92	0.97	—	—	—
M02-0050	Production Well Dooms R	20-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	—	<2.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0052-01	Production Well Dooms	27-Mar-02	<2.0	<2.0	<2.0	—	—	—	<2.0	<5.0	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-29	Production Well Dooms	02-May-02	<2.0	<2.0	<2.0	—	—	—	<2.0	<5.0	—	624	7.70 H	351	30	74	—	<1.0	0.92	<1.0	—	—	—
6	Production Well Dooms	25-Sep-02	<2.0	<2.0	<2.0	—	—	—	<4.0	<5.0	—	626	7.73 H	411	68	—	—	—	—	—	—	—	—
2002110896-17	Production Well Dooms	05-Nov-02	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<3.0	—	—	620	7.85 H	470	29	86	—	<0.50	1.1	1.0	—	—	0.010
2003030318/T4096-5	Doom Supply	26-Mar-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	585	7.7 H	386	30.0	—	—	—	—	—	—	—	—
2003050551-8	Doom Supply	20-May-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	602	7.9 H	410	36.0	—	—	—	—	—	—	—	—
2003080979-8	Doom Supply	20-Aug-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	561	7.14	366	30.8	—	—	—	—	—	—	—	—
2003101363-24	Doom Supply	06-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	5.88	6.7	406	28.3	—	16.0	—	—	—	—	—	—
2003101363-25	Doom Supply-D	06-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	398	28.5	—	—	—	—	—	—	—	—
2004020197-2	Doom Supply	25-Feb-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	583	7.6	388	28.0	—	18.2	—	—	—	—	—	—
2004050647-8	Doom Supply	13-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	609	7.9	396	2.6	—	23.8	—	—	—	—	—	—
2004081157-8	Doom Supply	25-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	567	7.2	390	43.0	—	23.4	—	—	—	—	—	—
2004111601-33	Doom Supply	15-Nov-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	602	6.9	1.00 (404)	28.0	—	17.8	—	—	—	—	—	—
2005020148-8	Doom Supply	15-Feb-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	784	7.3	659	84.0	—	19.9	—	—	—	—	—	—
2005050586-13	Doom Supply	25-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	619	7.1	403	29.0	—	23.7	—	—	—	—	—	—
2005081051-6	Doom Supply	23-Aug-05	<2.0 H	<2.0 H	<2.0 H	—	—	—	<6.0 H	—	—	652	6.9	384	29.0	—	23.6	—	—	—	—	—	—
2005081051-7	Doom Supply-D	23-Aug-05	<2.0 H	<2.0 H	<2.0 H	—	—	—	<6.0 H	—	—	—	—	384	29.0	—	—	—	—	—	—	—	—
2005121523-32	Doom Supply	15-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	641	6.9	408	29.0	—	16.4	—	—	—	—	—	—
2006020147-8	Doom Supply	14-Feb-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	645	7.2	384	28.0	—	17.9	—	—	—	—	—	—
2006050558-9	Doom Supply	09-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	635	7.3	316	30.0	—	22.0	—	—	—	—	—	—

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	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l	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
2007050615-7	Oxy Supply	16-May-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	73.1	--	--	--	--	--	--
2007050615-8	Oxy Supply Dup	16-May-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	75.4	--	--	--	--	--	--
2007091015-7	Oxy Supply	23-Aug-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	67.8	--	--	--	--	--	--
2007111584-26	Oxy Supply	15-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70.8	--	--	--	--	--	--
Production Well #1	Production Well #1	08-May-97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Production Well #1	Production Well #1	23-Oct-97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S98-0193	Production Well #1	14-May-98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S98-0194	Production Well #1D	14-May-98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S98-0479	Production Well #1	22-Oct-98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M99-0030	Production Well #1	14-May-99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M99-0210	Production Well #1	23-Oct-99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M00-0224	Production Well #1	27-Oct-00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M01-0496	Production Well #1	29-Oct-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2002110896-30	EPNG #1	08-Nov-02	--	0.24	--	98	--	--	--	2.8	--	30	0.12	--	--	--	8.4	--	57	--	--	91	--	330	<2.0	<2.0	<2.0	370
2003101363-27	EPNG #1	07-Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	80.900	--	--	--	--	--	--
2004111601-30	EPNG #1	12-Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	87.7	--	--	--	--	--	--
2005121523-28	EPNG #1	15-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	62.400	--	--	--	--	--	--
2007030225-34	EPNG #1	09-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	79.6	--	--	--	--	--	--
2007111584-29	EPNG #1	16-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	70.2	--	--	--	--	--	--
2007111584-30	EPNG #1D	16-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	71	--	--	--	--	--	--
2008111580-29	EPNG #1	20-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	76.1	--	--	--	--	--	--
2008111580-30	EPNG #1D	20-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	75.5	--	--	--	--	--	--
1002241055	EPNG #1	24-Feb-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	88.7	--	--	--	--	--	--
10120332-28	EPNG #1	09-Dec-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	87.4	--	--	--	--	--	--
S98-0057	Production Well Dooms	24-Feb-98	--	--	--	46	--	--	--	--	--	16	--	--	--	--	4	--	25	--	--	64	--	200	--	--	--	--
S98-0180	Production Well Dooms	13-May-98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	190	--	--	--	--	--
S98-0292	Production Well Dooms	10-Aug-98	--	--	--	53	--	--	--	--	--	17	--	--	--	--	4.3	--	27	--	--	71	--	200	<25	<25	<25	200
S98-0464	Production Well Dooms	20-Oct-98	--	0.22	--	52	--	--	<0.0025	0.060	--	17	<0.0025	--	--	--	4.1	--	29	--	--	69	--	190	<25	<25	<25	200
S99-0081	Production Well Dooms	23-Feb-99	--	--	--	48	--	--	--	--	--	16	--	--	--	--	4.1	--	26	--	--	72	--	190	<25	<25	<25	190
M99-0018	Production Well Dooms	13-May-99	--	0.24	--	51	--	--	<0.0025	0.14	--	17	0.039	--	--	--	4.0	--	33	--	--	72	--	180	<25	<25	<25	200
M99-0092	Production Well Dooms	11-Aug-99	--	--	--	51	--	--	--	--	--	17	--	--	--	--	3.8	--	27	--	--	73	--	190	<25	<25	<25	200
M99-0193	Production Well Dooms	21-Oct-99	0.047	0.23	<0.002	51	<0.005	<0.005	0.0021	0.16	<0.001	18	0.0093	<0.0002	0.0048	<0.02	4.7	--	24	<0.005	77	0.0055	180	<25	<25	<25	200	
M00-0022	Production Well Dooms	23-Feb-00	--	--	--	68	--	--	--	--	--	20	--	--	--	--	4.9	--	12	--	--	69	--	140	<25	<25	<25	250
M00-0094	Production Well Dooms	10-May-00	--	--	--	44	--	--	--	--	--	15	--	--	--	--	4.2	--	29	--	--	72	--	190	<25	<25	<25	170
M00-0204	Production Well Dooms	14-Aug-00	--	--	--	50	--	--	--	--	--	16	--	--	--	--	70	--	30	--	--	4.2	--	180	<25	<25	<25	190
M00-0233	Production Well Dooms	02-Nov-00	0.045	0.25	<0.01	53	<0.01	--	0.037	0.28	<0.05	18	0.013	<0.0002	--	--	5.0	<-0.1	32	<0.02	79	--	190	<25	<25	<25	210	
M01-0010	Production Well Dooms	20-Feb-01	--	--	--	46	--	--	--	--	--	15	--	--	--	--	4.8	--	35	--	--	67	--	190	<25	<25	<25	180
M01-0143	Production Well Dooms	03-May-01	--	--	--	49	--	--	--	--	--	16	--	--	--	--	3.8	--	34	--	--	73	--	180	<25	<25	<25	190
M01-0409	Production Well Dooms	01-Aug-01	--	--	--	44	--	--	--	--	--	15	--	--	--	--	5.0	--	26	--	--	66	--	190	<25	<25	<25	170
M01-0497	Production Well Dooms	29-Oct-01	0.037	0.21	<0.005	44	<0.01	<0.01	<0.005	0.10	<0.05	15	0.018	<0.0002	<0.01	<0.04	3.7	<-0.1	38	<0.02	64	0.0084	180	<25	<25	<25	170	
M02-0050	Production Well Dooms	20-Feb-02	--	--	--	45	--	--	--	--	--	15	--	--	--	--	3.7	--	40	--	--	65	--	190	<25	<25	<25	170
M02-0050	Production Well Dooms R	20-Feb-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M02-0052-01	Production Well Dooms	27-Mar-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2002040220-29	Production Well Dooms	02-May-02	--	--	--	45	--	--	--	--	--	15	--	--	--	--	4.1	--	34	--	--	65	--	180	<25	<25	<25	170

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
2006081053-7	Doom Supply	23-Aug-06	<2.0	<2.0	<2.0	--	--	<6.0	--	--	--	641	6.9	374	31.0	--	24.4	--	--	--	--	--	--
2007030225-17	Doom Supply	06-Mar-07	<1	<1	<1	<1	<1	<1	<1	--	--	631	7.3	415	32.2	--	21	--	--	--	--	--	--
2007050615-6	Doom Supply	16-May-07	<1	<1	<1	<1	<1	<1	<1	--	--	699	7.1	446	33.7	--	--	--	--	--	--	--	--
2007081015-8	Doom Supply	23-Aug-07	<1	<1	<1	<1	<1	<1	<1	--	--	723	7.1	426	31.1	--	--	--	--	--	--	--	--
2007111584-27	Doom Supply	15-Nov-07	<1	<1	<1	<1	<1	<1	<1	--	--	619	7.4	447	31.3	--	19	--	--	--	--	--	--
2008020241-7	Doom Supply	20-Feb-08	<1	<1	<1	<1	<1	<1	<1	--	--	700	7.3	417	31	--	18.1	--	--	--	--	--	--
2008060775-7	Doom Supply	10-Jun-08	<1	<1	<1	<1	<1	<1	<1	--	--	669	7.2	451	34.5	--	19	--	--	--	--	--	--
2008081172-3	Doom Supply	12-Aug-08	<1	<1	<1	<1	<1	<1	<1	--	--	760	7.2	461	34.3	--	19.5	--	--	--	--	--	--
2008111580-20	Doom Supply	18-Nov-08	<1	<1	<1	<1	<1	<1	<1	--	--	735	7.0	390	34.5	--	20.5	--	--	--	--	--	--
2009030219-7	Doom Supply	04-Mar-09	<1	<1	<1	<1	<1	<1	<1	--	--	641	7.1	485	28.6	--	20	--	--	--	--	--	--
2009080924-3	Doom Supply	26-Aug-09	2.3	<1	<1	<1	<1	<1	<1	--	--	721	7.2	426	31.5	--	21	--	--	--	--	--	--
2009091115	Doom Supply	17-Sep-09	<1	<1	<1	<1	<1	<1	<1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1002191230 **	Doom Supply	19-Feb-10	<1	<1	<1	<1	<1	<1	<1	--	--	765	7.08	409	36	--	19.8	--	--	--	--	--	--
10060909-01	Doom Supply	28-Jun-10	<1	<1	<1	<2	<1	<1	<1	--	--	642	7.03	215	well	--	24.3	--	--	--	--	--	--
10090591-03	Doom Supply	21-Sep-10	<1	0.28 J	<1	<2	<1	<1	<1	--	--	661	7.20	449	30.0	--	21.8	--	--	--	--	--	--
10120332-15	Doom Supply	08-Dec-10	<1	<1	<1	<2	<1	<1	<1	--	--	8490	7.86	930	32.9	--	16.1	--	--	--	--	--	--
PTP #1	PTP #1	07-May-97	38	0.51	22	--	--	--	8.4	--	--	2420	--	1,500	490	--	--	--	--	--	--	--	--
PTP #1	PTP #1	21-Oct-97	7.9	<0.5	18	--	--	--	3.1	--	--	2,250	--	1,400	470	--	--	--	--	--	--	--	--
S98-0177	PTP #1	12-May-98	62	1.6	21	--	--	--	13	--	--	2,300	--	1,400	480	--	--	--	--	--	--	--	0.020
S98-0463	PTP #1	20-Oct-98	--	--	--	--	--	--	--	--	--	2,090	--	1,410	380	--	--	--	--	--	--	--	--
M99-0008	PTP #1	11-May-99	--	--	--	--	--	--	--	--	--	2,250	--	1,240	330	--	--	--	--	--	--	--	--
M99-0191	PTP #1	20-Oct-99	--	--	--	--	--	--	--	--	--	2,300	--	1,630	460	--	--	--	--	--	--	--	--
M00-0085	PTP #1	09-May-00	--	--	--	--	--	--	--	--	--	2,210	--	1,400	510	--	--	--	--	--	--	--	--
M00-0223	PTP #1	27-Oct-00	--	--	--	--	--	--	--	--	--	2,050	--	1,570	530	--	--	--	--	--	--	--	--
M01-0140	PTP #1	02-May-01	--	--	--	--	--	--	--	--	--	2,370	--	1,240	520	--	--	--	--	--	--	--	--
M01-0473	PTP #1	23-Oct-01	--	--	--	--	--	--	--	--	--	2,370	--	1,280	550	--	--	--	--	--	--	--	--
2002040220-07	PTP #1	29-Apr-02	--	--	--	--	--	--	--	--	--	2,390	--	1,400	500	--	--	--	--	--	--	--	--
2002110896-9	PTP #1	04-Nov-02	50	<10	15	24	<10	<10	24	--	--	2,000	7.20 H	690	480	3.9	--	2.7	0.97	<0.20 H	--	--	0.020
2003101363-5	PTP #1	03-Nov-03	21.8	<20	13.5	--	--	--	8.8	--	--	2,130	6.8	1,380	469	--	22.5	--	--	--	--	--	--
2004111601-15	PTP #1	10-Nov-04	13.6	<1.0	18.7	--	--	--	9.6	--	--	2,300	7.0	1,560	496	--	22.1	--	--	--	--	--	--
2005121523-6	PTP #1	12-Dec-05	13.7	1.6 J	22.5	--	--	--	26.4	--	--	2,360	6.6	1,140	442	--	20.5	--	--	--	--	--	--
2007030225-11	PTP #1	06-Mar-07	19	<1	15	31	3.5	34.5	--	--	--	2,150	6.7	1,280	397	--	18.7	--	--	--	--	--	--
2007111584-10	PTP #1	12-Nov-07	19	<1	20	30	1.3	31.3	--	--	--	2,200	6.7	1,380	348	--	20.8	--	--	--	--	--	--
2008111580-9	PTP #1	17-Nov-08	11	<1	24	25	1.2	26.2	--	--	--	2,110	6.6	1,250	351	--	21.5	--	--	--	--	--	--
1002251330	PTP #1	25-Feb-10	4.3	<1	19	14	<1	14	--	--	--	2,050	7.03	1,120	265	--	21.5	--	--	--	--	--	--
10120332-20	PTP #1	08-Dec-10	2.6	0.96 J	19	7.9	1.2	9.1	--	--	--	7,000	6.97	15,200	336	--	22.5	--	--	--	--	--	--
2004111601-10	Injection Well	09-Nov-04	80.7	14.0	25.6	--	--	--	25.1	--	--	--	--	20,300	11,300	--	--	--	--	--	--	--	--
2005121523-34	Injection Well	15-Dec-05	84.4	20.4	40.5	--	--	--	40.4	--	--	36,800	8.2	23,800	7,850	--	15.2	--	--	--	--	--	--
2007030225-15	Injection Well	06-Mar-07	53	32	130	27	9.1	36.1	--	--	--	29,400	8.1	19,200	13,900	--	20.8	--	--	--	--	--	--
2007111584-28	Injection Well	16-Nov-07	80	36	68	47	15	62	--	--	--	37,900	8.7	26,900	15,600	--	19	--	--	--	--	--	--
2008111580-33	Injection Well	20-Nov-08	52	38	82	31	8.7	39.7	--	--	--	23,600	8.4	17,300	10,500	--	--	--	--	--	--	--	--
1002191315	Injection Well	19-Feb-10	22	13	23	12	3.6	15.6	--	--	--	19,600	8.32	11,000	7,440	--	20.2	--	--	--	--	--	--
10120332-16	Injection Well	08-Dec-10	72	53	90	46	13	59	--	--	--	19,000	7.78	22,900	14,300	--	19.1	--	--	--	--	--	--
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	--	--	--
S98-0066	Bailer Blank Pre Sample	24-Feb-98	<0.50	<0.50	<0.50	--	--	--	<1.0	--	--	3	5.7	<20	<0.2	<1	--	<0.2	<0.1	<0.2	--	--	--
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	--	--	--
S98-0178	Bailer Blank-Middle Sample	12-May-98	<0.50	<0.50	<0.50	--	--	--	<1.0	--	--	24	5.6	<20	<0.2	<1	--	<0.2	<0.1	<0.05	--	--	--
S98-0466	Bailer Blank-Middle Sample	21-Oct-98	<2	<2	<2	<2	<2	<2	<6	--	--	16.9	7.34	<25	<0.1	<0.1	21.0	<0.2	<0.4	<0.05	--	--	--
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	--	--	--
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	--	--	--
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	--	--	--
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	--	--	--
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	--	--	--
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	--	--	--
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	--	--	--
M99-0002	Bailer Blank Before Sampling	10-May-99	<2	<2	<2	<2	<2	<2	<6	--	--	1.63	5.86	32	0.1	0.1	22.7	<0.2	<0.4	<0.05	--	--	--
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	--	--	--
M99-0085	Bailer Blank Before Sampling	09-Aug-99	<2	<2	<2	<2	<2	<2	<6	--	--	898	7.57	565	88	190	19.1	0.5	<0.4	<0.05	--	--	--
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	--	--	--
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	--

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	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l	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 - Hydroxide, mg/l	Hardness (as CaCO ₃), mg/l		
2006081053-7	Doom Supply	25-Aug-06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62,400	—	—	—	—	—	—	
2007030225-17	Doom Supply	06-Mar-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.8	—	—	—	—	—	—	
2007050615-6	Doom Supply	16-May-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.6	—	—	—	—	—	—	
2007081015-8	Doom Supply	23-Aug-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	58.8	—	—	—	—	—	—	
2007111584-27	Doom Supply	15-Nov-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.7	—	—	—	—	—	—	
2008020241-7	Doom Supply	20-Feb-08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.5	—	—	—	—	—	—	
2008060775-7	Doom Supply	10-Jun-08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	67	—	—	—	—	—	—	
2008081172-3	Doom Supply	12-Aug-08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56.5	—	—	—	—	—	—	
2008111580-20	Doom Supply	18-Nov-08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61.3	—	—	—	—	—	—	
2009030219-7	Doom Supply	04-Mar-09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	64.6	—	—	—	—	—	—	
2009080924-3	Doom Supply	26-Aug-09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	64.7	—	—	—	—	—	—	
2009091115	Doom Supply	17-Sep-09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1002191230 **	Doom Supply	19-Feb-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	57.4	—	—	—	—	—	—	
10060909-01	Doom Supply	28-Jun-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	65.6	—	—	—	—	—	—	
10090591-03	Doom Supply	21-Sep-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	64.2	—	—	—	—	—	—	
10120332-15	Doom Supply	08-Dec-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	67.9	—	—	—	—	—	—	
PTP #1	PTP #1	07-May-37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
PTP #1	PTP #1	21-Oct-97	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
S98-0177	PTP #1	12-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
S98-0463	PTP #1	20-Oct-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
M99-0008	PTP #1	11-May-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
M99-0191	PTP #1	20-Oct-99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
M00-0085	PTP #1	09-May-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
M00-0223	PTP #1	27-Oct-00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
M01-0140	PTP #1	02-May-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
M01-0473	PTP #1	23-Oct-01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2002040220-07	PTP #1	29-Apr-02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
2002110896-9	PTP #1	04-Nov-02	—	0.62	—	220	—	—	—	10	—	61	0.37	—	—	—	—	6.9	—	26	—	170	—	—	520	520	<2.0	<2.0	810
2003101363-5	PTP #1	03-Nov-03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	190	—	—	—	—	—	—	
2004111601-15	PTP #1	10-Nov-04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	167	—	—	—	—	—	—	
2005121523-6	PTP #1	12-Dec-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	192	—	—	—	—	—	—	
2007030225-11	PTP #1	06-Mar-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	222	—	—	—	—	—	—	
2007111584-10	PTP #1	12-Nov-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	197	—	—	—	—	—	—	
2008111580-9	PTP #1	17-Nov-08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	145	—	—	—	—	—	—	
1002251330	PTP #1	25-Feb-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	183	—	—	—	—	—	—	
10120332-20	PTP #1	08-Dec-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	176	—	—	—	—	—	—	
2004111601-10	Injection Well	09-Nov-04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,010	—	—	—	—	—	—	
2005121523-34	Injection Well	15-Dec-05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8,620	—	—	—	—	—	—	
2007030225-15	Injection Well	06-Mar-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6,690	—	—	—	—	—	—	
2007111584-28	Injection Well	16-Nov-07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9,260	—	—	—	—	—	—	
2008111580-33	Injection Well	20-Nov-08	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5,250	—	—	—	—	—	—	
1002191315	Injection Well	19-Feb-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,700	—	—	—	—	—	—	
10120332-16	Injection Well	08-Dec-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7,240	—	—	—	—	—	—	
S98-0451	Bailer Blank	19-Oct-98	—	<0.01	—	0.49	—	—	<0.0025	<0.05	—	<0.25	<0.0025	—	—	—	<1	<1	<0.25	<10	—	1.1	—	<0.05	<25	<25	<25	1.2	
S98-0066	Bailer Blank Pre Sample	24-Feb-98	—	—	—	<1	—	—	—	—	—	<1	—	—	—	—	<1	<1	<0.05	<0.05	—	<1	—	<5	<5	—	—	—	
S98-0158	Bailer Blank Pre Sample	11-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	<5	<5	—	—	—	
S98-0290	Bailer Blank Pre Sample	10-Aug-98	—	—	—	<0.25	—	—	—	—	—	<0.25	—	—	—	—	<0.25	<0.25	<10	—	—	0.68	—	<25	<25	<25	<25	<1	
S98-0178	Bailer Blank-Middle Sample	12-May-98	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	<5	<5	—	—	—	
S98-0466	Bailer Blank-Middle Sample	21-Oct-98	—	<0.01	—	3.2	—	—	<0.0025	<0.05	—	<0.25	<0.0025	—	—	—	<1	<1	<0.25	<0.25	—	0.30	—	<0.05	<25	<25	<25	7.9	
S98-0061	Bailer Blank Post Sample	24-Feb-98	—	—	—	<1	—	—	—	—	—	<1	—	—	—	—	<1	<1	<0.05	<0.05	—	<1	—	<5	<5	—	—	—	
S98-0191	Bailer Blank Post Sample	14-May-98	—	—	—	<1	—	—	—	—	—	<1	—	—	—	—	<1	<1	<0.05	<0.05	—	<1	—	<5	<5	—	—	—	
S98-0225	Bailer Blank Post Sample	01-Jun-98	—	—	—	<1	—	—	—	—	—	<1	—	—	—	—	<1	<1	0.16	—	—	<1	—	<5	<5	—	—	—	
S98-0297	Bailer Blank Post Sample	11-Aug-98	—	—	—	<0.25	—	—	—	—	—	<0.25	—	—	—	—	<0.25	<0.25	<10	—	—	<0.25	—	<25	<25	<25	<25	<1	
S98-0478	Bailer Blank Post Sample	22-Oct-98	—	0.01	—	<0.25	—	—	<0.0025	<0.05	—	<0.25	<0.0025	—	—	—	<1	<1	<0.25	<0.25	—	<0.25	—	<0.05	<25	<25	<25	<0.5	
S98-0078	Bailer Blank Before	23-Feb-99	—	—	—	<0.25	—	—	—	—	—	<0.25	—	—	—	—	<1	<1	<1	<1	—	0.27	—	<0.05	<25	<25	<25	<1	
S99-0087	Bailer Blank After Sampling	10-May-99	—	—	—	<0.25	—	—	—	—	—	<0.25	—	—	—	—	<1	<1	<1	<1	—	<0.25	—	<25	<25	<25	<25	<1	
M99-0002	Bailer Blank Before Sampling	23-Feb-99	—	—	—	<0.25	—	—	—	—	—	<0.25	—	—	—	—	<1	<1	<1	<1	—	<0.25	—	<25	<25	<25	<25	<1	
M99-0016	Bailer Blank Middle	12-May-99	—	<0.01	—	<0.25	—	—	<0.0025	<0.05	—	<0.25	<0.0025	—	—	—	<1	<1	<0.2	<0.2	—	—	—	<0.05	<25	<25	<25	<1	
M99-0029	Bailer Blank After Sampling	14-May-99	—	<0.01	—	<0.25	—	—																					

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
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
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
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	—	—	—
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	—	—	—
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	—	—	—
M00-0091	Bailer Blank Middle of Sampling	10-May-00	—	—	—	—	—	—	—	—	—	2	—	19	<0.1	—	—	—	—	—	—	—	—
M00-0102	Bailer Blank After Sampling	12-May-00	<5	<5	<5	—	—	—	<10	—	—	41	7.13	42	6.1	1.4	18.5	<0.2	<0.4	<0.1	—	—	—
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	—	—	—
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	—	—	—
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	<0.1
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
M00-0245	Bailer Blank After Sampling	06-Nov-00	<2	<2	<2	—	—	—	<4	—	—	13.40	5.3	55	3.3	<0.1	16.9	<0.2	<0.4	<0.1	—	<0.1	<0.1
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	—	—	—
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	—	—	—
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	—	—	—
M01-0155	Bailer Blank Middle of Sampling Wells	06-May-01	—	—	—	—	—	—	—	—	—	198	—	115	15	—	—	—	—	—	—	—	—
M01-0163	Bailer After Sampling Wells	07-May-01	<2	<2	<2	—	—	—	<2	<5	—	578	8.24 H	327	65	<2	25.4	0.17	<0.4	0.62	—	—	—
M01-0404	Bailer Blank Before Sampling	01-Aug-01	<2	<2	<2Jc	—	—	—	<2	—	—	1.82	6.21	<15	1.6	<1	22.5	<2	<0.4	<1	—	—	—
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	—	—	—
M01-0466	Bailer Blank Before Sampling	22-Oct-01	<2	<2	<2	—	—	—	<2	—	—	1.67	5.84	<15	0.16	<0.1	20.5	<0.2	<0.4	<0.1	<0.05	<0.1	<0.1
M01-0479	Bailer Blank Middle of Sampling Wells	24-Oct-01	<2	<2	<2	—	—	—	4	—	—	1.52	6.47 H	<15	0.23	<0.1	20.1	<0.2	<0.4	<0.05	<0.05	<0.1	<0.1
M01-0493	Bailer After Sampling Wells	29-Oct-01	<2	<2	<2	<2	<2	<2	<6	—	—	1.32	6.39 H	<15	<0.1	<0.1	23.3	<0.2	<0.4	<0.05	<0.05	<0.1	<0.1
M02-0041	Bailer Blank Before Sampling Wells	19-Feb-02	<2.0	8.8	4.7	—	—	—	23	—	—	3.30	6.44 H	<15.0	<0.10	<0.10	—	<0.10	<0.40	<0.10	—	—	—
M02-0041	Bailer Blank Before Sampling Wells R	19-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	—	<2.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0049	Bailer Blank After Sampling Wells	20-Feb-02	2.8	48	18	—	—	—	120	—	—	2.6	6.57 H	<15.0	<0.10	<0.10	—	<0.10	<0.40	0.080	—	—	—
M02-0049	Bailer Blank After Sampling Wells R	20-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	—	<2.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0062-05	Bailer Blank After Sampling Wells	27-Mar-02	<2.0	<2.0	<2.0	—	—	—	<4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-2	Bailer Blank Before Sampling Wells	29-Apr-02	<2.0	<2.0	<2.0	—	—	—	<4.0	—	—	22.3	5.58 H	<15.0	3.8	0.31	—	<0.10	<0.40	0.13	—	—	—
2002040220-16	Bailer Blank During Sampling Wells	30-Apr-02	—	—	—	—	—	—	—	—	—	20.3	—	<15.0	3.4	—	—	—	—	—	—	—	—
2202040220-26	Bailer Blank After Sampling Wells	02-May-02	<2.0	<2.0	<2.0	—	—	—	<2.0	<5.0	—	7.00	6.20 H	<15.0	0.67	<0.10	—	<0.10	<0.40	<0.10	—	—	—
8	Bailer Blank After Sampling Wells	25-Sep-02	<2.0	<2.0	<2.0	—	—	—	<4.0	<5.0	—	1.28	6.28 H	<15.0	1.2	—	—	—	—	—	—	—	—
2002110896-1	Bailer Blank Before Sampling Wells	03-Nov-02	<1.0	1.5	<1.0	<2.0	<2.0	<1.0	<3.0	—	—	1.0	6.05 H	<10	<2.0	<2.0	—	<0.50	<0.40	0.20 H	—	<0.0050	<0.0050
2002110896-13	Bailer Blank During Sampling Wells	05-Nov-02	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	—	—	1.0	6.48 H	<10	<2.0	<2.0	—	<0.50	<0.40	<0.20	—	<0.0050	<0.0050
2002110896-28	Bailer Blank After Sampling Wells	08-Nov-02	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	—	—	1.0	6.17 H	<10	<2.0	<2.0	—	<0.50	<0.40	<0.20	—	<0.0050	<0.0050
2003030318/74096-2	Bailer Blank	26-Mar-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	1.4	6.8 H	<10	<0.20	—	—	—	—	—	—	—	—
2003050551-1	Bailer Blank	19-May-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	2.0	5.0 H	12.0	<0.20	—	—	—	—	—	—	—	—
2003080979-2	Bailer Blank	19-Aug-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	0.50	—	—	—	—	—	—	—	—
2003101363-2	Bailer Blank	03-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	718	56.9	—	—	—	—	—	—	—	—
2003101363-16	Bailer Blank	05-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<0.20	—	—	—	—	—	—	—	—
2003101363-28	Bailer Blank	07-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	0.20	—	—	—	—	—	—	—	—
2004020197-4	Bailer Blank	26-Feb-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<0.20	—	—	—	—	—	—	—	—
2004050647-2	Bailer Blank	12-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<0.20	—	—	—	—	—	—	—	—
2004081157-2	Bailer Blank	24-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—
2004111601-2	Bailer Blank	9-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	—	—	<10	4.1	—	—	—	—	—	—	—	—
2004111601-19	Bailer Blank	11-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	—	—	<10	1.0	—	—	—	—	—	—	—	—
2004111601-31	Bailer Blank	12-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—
2005020148-2	Bailer Blank	14-Feb-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—
2005050586-4	Bailer Blank	23-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—
2005081051-2	Bailer Blank	22-Aug-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—
2005121523-2	Bailer Blank	12-Dec-05	1.4 J	4.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—
2005121523-16	Bailer Blank	13-Dec-05	1.3 J	3.7	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—
2005121523-29	Bailer Blank	15-Dec-05	1.0	2.8	<2.0	—	—	—	<6.0	—	—	—	—	11.0	<1.0	—	—	—	—	—	—	—	—
2006020147-2	Bailer Blank	13-Feb-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—
2006050558-2	Bailer Blank	8-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—
2006081053-2	Bailer Blank	22-Aug-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	<1.0	—	—	—	—	—	—	—	—
2007030225-2	Bailer Blank	5-Mar-07	<1	<1	<1	<1	<1	<1	<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	—	—	—	—	—	—	—	—
2007050615-2	Bailer Blank	15-May-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—
2007081015-2	Bailer Blank	22-Aug-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	522	<1	—	—	—	—	—	—	—	—
2007111584-2	Bailer Blank	12-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—
2007111584-17	Bailer Blank	13-Nov-07																					

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	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l	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
M99-0198	Bailer Blank Middle	22-Oct-99	<0.0025	<0.01	<0.002	0.32	<0.005	<0.005	<0.0025	<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	<1
M99-0208	Bailer Blank After Sampling	23-Oct-99	<0.0025	<0.01	<0.002	0.32	<0.005	<0.005	<0.0025	<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	<1
M00-0021	Bailer Blank Before Sampling	22-Feb-00	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	<1	<0.005	<0.5	--	--	<25	<25	<25	<2
M00-0030	Bailer Blank After Sampling	23-Feb-00	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	<1	--	--	--	--	<25	<25	<25	<2
M00-0076	Bailer Blank Before Sampling	08-May-00	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	<1	--	--	--	--	<25	<25	<25	<2
M00-0091	Bailer Blank Middle of Sampling	10-May-00	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	<1	--	--	--	--	--	--	--	--
M00-0102	Bailer Blank After Sampling	12-May-00	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	<1	--	--	--	--	<25	<25	<25	<2
M00-0194	Bailer Blank Before Sampling	07-Aug-00	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	<1	--	--	--	--	<25	<25	<25	<2
M00-0201	Bailer Blank After Sampling	08-Aug-00	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	<1	--	--	--	--	<25	<25	<25	<2
M00-0214	Bailer Blank Before Sampling	26-Oct-00	<0.005	0.12	<0.01	<0.5	<0.01	--	0.088	<0.1	<0.05	<0.5	<0.005	<0.0002	--	--	<2	<0.1	1.3	<0.02	1.9	--	<0.1	<25	<25	<25	<2
M00-0229	Bailer Blank Middle of Sampling	01-Nov-00	<0.005	0.14	<0.01	0.22	<0.01	--	0.093	0.19	<0.05	<0.5	<0.005	<0.0002	--	--	<2	<0.1	1.1	<0.02	2.3	--	<0.1	<25	<25	<25	<2
M00-0245	Bailer Blank After Sampling	06-Nov-00	<0.005	0.13	<0.01	<0.5	<0.01	--	0.092	<0.1	<0.05	<0.5	<0.005	<0.0002	--	--	<2	<0.1	1.3	<0.02	2.4	--	<0.1	<25	<25	<25	<2
M01-0012	Bailer Blank Before Sampling	20-Feb-01	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	<1	--	--	--	--	<25	<25	<25	<2
M01-0018	Bailer Blank After Sampling	21-Feb-01	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	<1	--	--	--	--	<25	<25	<25	<2
M01-0131	Bailer Blank Before Sampling	02-May-01	--	--	--	0.91	--	--	--	--	--	0.49	--	--	--	--	0.52	--	<1	--	--	--	--	<25	<25	<25	<2
M01-0155	Bailer Blank Middle of Sampling Wells	06-May-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<1	--	--	--	--	--	--	--	--
M01-0163	Bailer After Sampling Wells	07-May-01	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	11	--	--	--	--	240	<25	<25	<2
M01-0404	Bailer Blank Before Sampling	01-Aug-01	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	<1	--	--	--	--	<25	<25	<25	<2
M01-0412	Bailer After Sampling Wells	02-Aug-01	--	--	--	0.56	--	--	--	--	--	<0.5	--	--	--	--	<2	--	<1	--	--	--	--	<25	<25	<25	<2
M01-0466	Bailer Blank Before Sampling	22-Oct-01	<0.005	<0.1	<0.005	<0.5	<0.01	<0.01	<0.005	<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	<2
M01-0479	Bailer Blank Middle of Sampling Wells	24-Oct-01	<0.005	<0.1	<0.005	<0.5	<0.01	<0.01	<0.005	<0.1	<0.05	<0.5	0.0067	<0.0002	<0.01	<0.04	<2	<0.1	<1	<0.02	1.5	<0.005	<0.1	<25	<25	<25	<5
M01-0493	Bailer After Sampling Wells	29-Oct-01	<0.005	<0.1	<0.005	<0.5	<0.01	<0.01	<0.005	<0.1	<0.05	<0.5	<0.005	<0.0002	<0.01	<0.04	<2	<0.1	<1	<0.02	1.6	<0.005	<0.1	<25	<25	<25	<5
M02-0041	Bailer Blank Before Sampling Wells	19-Feb-02	--	--	--	0.68	--	--	--	--	--	<0.50	--	--	--	--	<2.0	--	<0.25	--	--	--	--	<25	<25	<25	<2.0
M02-0041	Bailer Blank Before Sampling Wells R	19-Feb-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.25	--	--	--	--	--	--	--	--
M02-0049	Bailer Blank After Sampling Wells	20-Feb-02	--	--	--	0.52	--	--	--	--	--	<0.50	--	--	--	--	<2.0	--	<1.0	--	--	--	--	<25	<25	<25	<2.0
M02-0049	Bailer After Sampling Wells R	20-Feb-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M02-0049	Bailer Blank After Sampling Wells	27-Mar-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M02-0062-05	Bailer Blank After Sampling Wells	29-Apr-02	--	--	--	<0.50	--	--	--	--	--	<0.50	--	--	--	--	<2.0	--	<1.0	--	--	--	--	<25	<25	<25	<2.0
2002040220-2	Bailer Blank Before Sampling Wells	30-Apr-02	--	--	--	<0.50	--	--	--	--	--	<0.50	--	--	--	--	<2.0	--	<1.0	--	--	--	--	--	--	--	--
2002040220-16	Bailer Blank During Sampling Wells	02-May-02	--	--	--	<0.50	--	--	--	--	--	<0.50	--	--	--	--	<2.0	--	<1.0	--	--	--	--	<25	<25	<25	<2.0
2202040220-26	Bailer Blank After Sampling Wells	25-Sep-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2002110896-1	Bailer Blank Before Sampling Wells	03-Nov-02	--	<0.050	--	<2.0	--	--	--	<0.050	<2.0	<2.0	<0.010	--	--	--	<2.0	--	<0.21	--	--	--	--	<6.0	<2.0	<2.0	<13
2002110896-13	Bailer Blank During Sampling Wells	05-Nov-02	--	<0.050	--	<2.0	--	--	--	<0.050	<2.0	<2.0	<0.010	--	--	--	<2.0	--	<0.21	--	--	--	--	<6.0	2.0	<2.0	<13
2002110896-28	Bailer Blank After Sampling Wells	08-Nov-02	--	<0.050	--	<2.0	--	--	--	<0.050	<2.0	<2.0	<0.010	--	--	--	<2.0	--	<0.21	--	--	--	--	<6.0	<2.0	<2.0	<13
2003030318/T4096-2	Bailer Blank	26-Mar-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2003050551-1	Bailer Blank	19-May-03	--	--	--	0.161	--	--	--	--	--	<0.130	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	<1.0
2003080979-2	Bailer Blank	19-Aug-03	--	--	--	<5.000	--	--	--	--	--	<5.000	--	--	--	--	--	--	--	--	--	--	--	<1.0	--	--	<6.6
2003101363-2	Bailer Blank	03-Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2003101363-16	Bailer Blank	05-Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2003101363-28	Bailer Blank	07-Nov-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004020197-4	Bailer Blank	26-Feb-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004050847-2	Bailer Blank	12-May-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004081157-2	Bailer Blank	24-Aug-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004111601-2	Bailer Blank	9-Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004111601-19	Bailer Blank	11-Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2004111601-31	Bailer Blank	12-Nov-04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005020148-2	Bailer Blank	14-Feb-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005050586-4	Bailer Blank	23-May-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005081051-2	Bailer Blank	22-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005121523-2	Bailer Blank	12-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005121523-16	Bailer Blank	13-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2005121523-29	Bailer Blank	15-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006020147-2	Bailer Blank	13-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006050558-2	Bailer Blank	8-May-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2006081053-2	Bailer Blank	22-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2007030225-2	Bailer Blank	5-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2007030225-19	Bailer Blank	7-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2007030225-33	Bailer Blank	8-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2007050615-2	Bailer Blank	15-May-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2007081015-2	Bailer Blank	22-Aug-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2007111584-2	Bailer Blank	12-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2007111584-17	Bailer Blank	13-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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, 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 NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l
2007111584-32	Bailer Blank	16-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—
2008020241-2	Bailer Blank	19-Feb-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—
2008060775-2	Bailer Blank	09-Jun-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—
2008081172-2	Bailer Blank	12-Aug-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—
2008111580-2	Bailer Blank	17-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—
2008111580-18	Bailer Blank	18-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—
2008111580-31	Bailer Blank	20-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	18	<1	—	—	—	—	—	—	—	—
2009030219-1	Bailer Blank	03-Mar-09	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	<10	<1	—	—	—	—	—	—	—	—
2009050622-2	Bailer Blank	19-May-09	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	12	<1	—	—	—	—	—	—	—	—
2009080924-2	Bailer Blank	26-Aug-09	<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	—	—	—
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	—	—	—
S98-0179	EMP #3 Pump Blank Middle Sample	12-May-98	30	20	6.5	—	—	—	1.1	—	—	720	7.9	390	87	57	—	<2	1.7	<0.05	—	—	—
S98-0468	EMP #3 Pump Blank Middle Sample	21-Oct-98	2	3	2	<2	<2	<2	<6	—	—	649	8.23	373	110	48	19.8	2.0	1.5	<0.05	—	—	—
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	—	—	—
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	—	—	—
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	—	0.84	1.7	<0.05	—	—	—
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	—	—	—
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	—	—	—
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	—	—	—
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	—	—	—
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	—	—	—
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	—	—	—
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	—	—	—
M99-0015	EMP #3 Middle	12-May-99	—	—	—	—	—	—	—	—	<0.25	609	—	379	73	—	—	—	—	—	—	—	—
M99-0028	EMP #3 After Purging	14-May-99	<2	3	<2	<2	<2	<2	<6	—	<0.25	599	8.27	356	66	53	24.0	0.5	1.8	<0.05	—	—	—
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	—	—	—
M99-0091	EMP #3 Pump Blank After	11-Aug-99	<2	<2	<2	<2	<2	<2	<6	—	—	588	8.32	305	70	53	22.1	2.1	1.7	<0.05	—	—	—
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	0.85	1.7	0.29	—	0.043	0.0076
M99-0200	EMP #3 Middle	22-Oct-99	2.6	7.7	2.6	—	—	—	4.1	—	—	624	8.22	397	110	50	19.4	0.80	1.6	<0.05	—	0.033	0.0066
M99-0207	EMP #3 After Purging	23-Oct-99	<2	7.4	2.6	—	—	—	4.4	—	—	640	8.29	367	96	50	21.4	0.58	1.6	<0.05	—	0.059	0.0062
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	—	—	—
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	—	—	—
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	—	—	—
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	—	—	—
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	—	—	—
M00-0213	EMP #3 Before Purging Wells	26-Oct-00	<2	<2	<2	—	—	—	6.3	—	—	3,030	7.11	1,920	3,300	80	14.5	<2	1.7	<1	—	—	<0.1
M00-0228	EMP #3 Middle of Sampling	01-Nov-00	<2	<2	<2	—	—	—	<4	—	—	9,200	8.03	6,080	3,300	240	14.4	<2	1.9	<1	—	—	<0.1
M00-0244	EMP #3 After Purging Wells	06-Nov-00	<2	<2	<2	—	—	—	<4	—	—	4,400	8.1	3,500	2,100	150	16.7	<4	1.9	<2	—	—	<0.1
M01-0009	EMP # 3 Pump Blank Before Sampling	20-Feb-01	<2	<2	<2	—	—	—	<4	<5	—	1,380	8.17 H	736	340	52	21.5	0.56	1.7	<0.1	—	—	—
M01-0019	EMP #3 After Purging Wells	21-Feb-01	<2	<2	<2	—	—	—	<4	<5	—	1,120	8.24 H	592	240	52	21.9	0.53	1.8	0.19	—	—	—
M01-0130	EMP #3 Pump Blank Before Purging Wells	02-May-01	<2	<2	<2	—	—	—	3.8	<5	—	565	7.67	321	67	<2	18.9	<1	0.99	<0.5	—	—	—
M01-0154	EMP #3 Pump Blank Middle of Purging Wells	06-May-01	—	—	—	—	—	—	—	—	—	733	—	426	110	—	—	—	—	—	—	—	—
M01-0162	EMP #3 After Purging Wells	07-May-01	<2	<2	<2	—	—	—	5.2	<5	—	724	8.19 H	426	130	62	25.6	0.60	1.8	<1	—	—	—
M01-0403	EMP #3 Before Purging Wells	01-Aug-01	<2	<2	<2Jc	—	—	—	4.6	—	—	622	7.4	418	71	35	23.3	<2	1.7	<1	—	—	—
M01-0413	EMP #3 After Purging Wells	02-Aug-01	<2	<2	<2	—	—	—	<2	—	—	516	8.2	303	74	52	22.9	0.48	1.7	<0.05	—	—	—
M01-0465	EMP #3 Pump Blank Before Purging Wells	22-Oct-01	<2	<2	<2	—	—	—	3	—	—	501	7.27	375	66	24	21.5	<2	1.8	<1	—	<0.05	<0.1
M01-0478	EMP #3 Middle of Purging Wells	24-Oct-01	<2	<2	<2	—	—	—	3.2	—	—	565	8.22 H	310	76	44	20.3	<2	1.7	<0.5	—	0.067	<0.1
M01-0492	EMP #3 After Purging Wells	29-Oct-01	2.2	<2	<2	—	—	—	6.2	—	—	572	8.01 H	343	59	47	23.3	<2	1.8	<0.5	—	0.400	<0.1
M02-0040	EMP #3 Before Purging Wells	19-Feb-02	<2.0	5.8	2.1	—	—	—	12	—	—	533	8.14 H	290	42	44	—	0.38	1.9	<0.10	—	—	—
M02-0040	EMP #3 Before Purging Wells R	19-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	—	<2.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—
M02-0048	EMP #3 After Purging Wells	20-Feb-02	<2.0	<2.0	<2.0	—	—	—	<2.0	—	—	550	8.14 H	270	42	43	—	<2.5	1.9	0.080	—	—	—
M02-0048	EMP #3 After Purging Wells R	20-Feb-02	<2.0 H	<2.0 H	<2.0 H	—	—	—	<2.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2002040220-01	EMP #3 Pump BlankBefore Purging Wells	29-Apr-02	<2.0	<2.0	<2.0	—	—	—	<4.0	—	—	842	7.33 H	550	51	160	—	<1	2.1	<1.0	—	—	—
2002040220-15	EMP #3 Pump Blank During Purging Wells	30-Apr-02	—	—	—	—	—	—	—	—	—	1,050	—	684	69	—	—	—	—	—	—	—	—
2202040220-25	EMP #3 Pump Blank After Purging Wells	02-May-02	<2.0	<2.0	<2.0	—	—	—	<2.0	<5.0	—	1,040	8.26 H	685	41	150	—	<1.0	2.2	1.1	—	—	—
2002110896-2	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	—	—	—	—	—	—	—	—
2002110896-14	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	—	—	0.011
2002110896-29	EMP #3 Pump Blank During Purging Wells	05-Nov-02	4.4	3.4	3.4	4.2	4.2	1.1	5.3	—	—	970	7.99 H	760	64	280	—	<0.50	2.6	1.4	—	—	0.011
2002110896-29	EMP #3 Pump Blank After Purging Wells	08-Nov-02	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	—	—	950											

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	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l	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 - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as CaCO ₃), mg/l
2007111584-32	Bailer Blank	16-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--
2008020241-2	Bailer Blank	19-Feb-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--
2008060775-2	Bailer Blank	09-Jun-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--
2008081172-2	Bailer Blank	12-Aug-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--
2008111580-2	Bailer Blank	17-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--
2008111580-18	Bailer Blank	18-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--
2008111580-31	Bailer Blank	20-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--
2009030219-1	Bailer Blank	03-Mar-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--
2009050622-2	Bailer Blank	19-May-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--
2009080924-2	Bailer Blank	26-Aug-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<0.5	--	--	--	--	--
S98-0477	EMP #3 Post Purge	22-Oct-98	--	0.19	--	45	--	--	<0.0025	0.77	--	13	0.050	--	--	--	4.0	--	15	--	--	75	--	<0.05	130	<25	160
S98-0452	EMP #3 Pre Purge Blank	19-Oct-98	--	<0.01	--	<0.25	--	--	<0.0025	<0.05	--	<0.25	<0.0025	--	--	--	<1	--	13	--	--	<0.25	--	<0.05	110	<25	<25
S98-0179	EMP #3 Pump Blank Middle Sample	12-May-98	--	--	--	50	--	--	--	--	--	13	--	--	--	--	4	--	18	--	--	75	--	--	150	--	--
S98-0468	EMP #3 Pump Blank Middle Sample	21-Oct-98	--	--	--	40	--	--	<0.0025	0.77	--	12	0.047	--	--	--	4.0	--	14	--	--	95	--	<0.05	130	<25	150
S98-0062	EMP #3 Pump Blank Post Sample	24-Feb-98	--	--	--	51	--	--	--	--	--	14	--	--	--	--	4	--	14	--	--	72	--	--	160	--	--
S98-0192	EMP #3 Pump Blank Post Sample	14-May-98	--	--	--	48	--	--	--	--	--	12	--	--	--	--	4	--	17	--	--	72	--	--	140	140	--
S98-0224	EMP #3 Pump Blank Post Sample	01-Jun-98	--	--	--	50	--	--	--	--	--	13	--	--	--	--	4	--	16	--	--	76	--	--	150	150	--
S98-0298	EMP #3 Pump Blank Post Sample	11-Aug-98	--	--	--	47	--	--	--	--	--	12	--	--	--	--	4.1	--	17	--	--	78	--	--	130	130	<25
S98-0065	EMP #3 Pump Blank Pre Sample	24-Feb-98	--	--	--	52	--	--	--	--	--	14	--	--	--	--	4	--	13	--	--	75	--	--	161.8	--	--
S98-0156	EMP #3 Pump Blank Pre Sample	11-May-98	--	--	--	91	--	--	--	--	--	23	--	--	--	--	5	--	13	--	--	74	--	--	110	110	--
S98-0289	EMP #3 Pump Blank Pre Sample	10-Aug-98	--	--	--	47Jm	--	--	--	--	--	12	--	--	--	--	4.2	--	19	--	--	79	--	--	140	140	<25
S99-0079	EMP #3 Pump Blank Before	23-Feb-99	--	--	--	52	--	--	--	--	--	14	--	--	--	--	4.2	--	18	--	--	190	--	--	180	170	6
S99-0086	EMP #3 Pump Blank After	23-Feb-99	--	--	--	51	--	--	--	--	--	14	--	--	--	--	4.7	--	18	--	--	270	--	--	180	160	16
M99-0003	EMP #3 Before Purging Wells	10-May-99	--	0.22	--	50	--	--	<0.0025	0.45	--	14	0.040	--	--	--	4.3	--	22	--	--	170	--	0.15	160	160	<25
M99-0015	EMP #3 Middle	12-May-99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M99-0028	EMP #3 After Purging	14-May-99	--	0.21	--	44	--	--	0.0060	0.76	--	11	0.054	--	--	--	4.2	--	19	--	--	65	--	<0.05	150	150	<25
M99-0084	EMP #3 Pump Blank Before	09-Aug-99	--	--	--	0.79	--	--	--	--	--	<0.25	--	--	--	--	<1	--	11	--	--	140	--	--	220	220	2
M99-0091	EMP #3 Pump Blank After	11-Aug-99	--	--	--	45	--	--	--	--	--	11	--	--	--	--	3.9	--	18	--	--	77	--	--	130	130	<25
M99-0180	EMP #3 Before Purging Wells	18-Oct-99	0.053	0.22	<0.002	88	<0.005	<0.005	0.0035	0.69	<0.005	21	0.051	<0.0002	0.0062	<0.02	5.6	--	25	<0.005	92	96	<0.005	96	<25	<25	310
M99-0200	EMP #3 Middle	22-Oct-99	0.075	0.20	<0.002	44	<0.005	<0.005	<0.0025	0.72	<0.005	12	0.051	<0.0002	0.0069	<0.02	4.3	--	17	<0.005	80	120	<0.005	120	<25	<25	160
M99-0207	EMP #3 After Purging	23-Oct-99	0.092	0.20	<0.002	50	<0.005	<0.005	<0.0025	0.89	<0.005	13	0.058	<0.0002	0.0083	<0.02	4.4	--	20	<0.005	130	130	<0.005	130	<25	<25	180
M00-0020	EMP #3 Pump Blank Before Purging	22-Feb-00	--	--	--	47	--	--	--	--	--	12	--	--	--	--	5.0	--	19	--	--	74	--	--	87	87	<25
M00-0029	EMP #3 After Purging Wells	23-Feb-00	--	--	--	46	--	--	--	--	--	12	--	--	--	--	5.2	--	13	--	--	76	--	--	95	95	<25
M00-0075	EMP #3 Before Purging Wells	08-May-00	--	--	--	46	--	--	--	--	--	12	--	--	--	--	4.7	--	25	--	--	73	--	--	130	130	<25
M00-0090	EMP #3 Middle of Sampling	10-May-00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M00-0103	EMP #3 Pump Blank After Sampling	12-May-00	--	--	--	49	--	--	--	--	--	13	--	--	--	--	4.4	--	22	--	--	72	--	--	150	150	<25
M00-0193	EMP #3 Before Purging Wells	07-Aug-00	--	--	--	30	--	--	--	--	--	9.5	--	--	--	--	3.1	--	21	--	--	78	--	--	140	140	<25
M00-0202	EMP #3 Pump Blank After Purging	08-Aug-00	--	--	--	44	--	--	--	--	--	12	--	--	--	--	4.1	--	21	--	--	72	--	--	130	130	<25
M00-0213	EMP #3 Before Purging Wells	28-Oct-00	0.13	0.23	<0.01	62	<0.01	--	0.0055	2.9	<0.05	20	0.13	<0.0002	--	--	19	<0.1	26	<0.02	540	140	<0.1	<0.1	140	140	<25
M00-0228	EMP #3 Middle of Sampling	01-Nov-00	0.25	0.31	<0.01	120	<0.01	--	0.0061	3.0	<0.05	45	0.29	<0.0002	--	--	65	<0.1	19	<0.02	800	140	<0.1	<0.1	140	140	<25
M00-0244	EMP #3 After Purging Wells	08-Nov-00	0.14	0.28	<0.01	72	<0.01	--	<0.005	1.2	<0.05	27	0.15	<0.0002	--	--	40	<0.1	23	<0.02	600	150	<0.1	<0.1	150	150	<25
M01-0009	EMP # 3 Pump Blank Before Sampling	20-Feb-01	--	--	--	36	--	--	--	--	--	12	--	--	--	--	11	--	23	--	--	220	--	--	140	140	<25
M01-0019	EMP #3 After Purging Wells	21-Feb-01	--	--	--	36	--	--	--	--	--	12	--	--	--	--	9.1	--	22	--	--	180	--	--	150	150	<25
M01-0130	EMP #3 Pump Blank Before Purging Wells	02-May-01	--	--	--	34	--	--	--	--	--	13	--	--	--	--	3.2	--	22	--	--	76	--	--	160	160	<25
M01-0154	EMP #3 Pump Blank Middle of Purging Wells	06-May-01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M01-0162	EMP #3 After Purging Wells	07-May-01	--	--	--	34	--	--	--	--	--	11	--	--	--	--	5.5	--	21	--	--	93	--	--	150	150	<25
M01-0403	EMP #3 Before Purging Wells	01-Aug-01	--	--	--	35	--	--	--	--	--	9.7	--	--	--	--	5.3	--	26	--	--	75	--	--	150	150	<25
M01-0413	EMP #3 After Purging Wells	02-Aug-01	--	--	--	34	--	--	--	--	--	8.3	--	--	--	--	4.7	--	25	--	--	59	--	--	130	130	<25
M01-0465	EMP #3 Pump Blank Before Purging Wells	22-Oct-01	0.045	0.20	<0.005	32	<0.01	<0.01	<0.005	1.4	<0.05	7.9	0.056	<0.0002	<0.01	<0.04	4.1	<0.1	25	<0.02	58	<0.005	<0.1	<0.1	130	130	<25
M01-0478	EMP #3 Middle of Purging Wells	24-Oct-01	0.059	0.19	<0.005	40	<0.01	<0.01	<0.005	0.64	<0.05	9.8	0.043	<0.0002	<0.01	<0.04	4.0	<0.1	25	<0.02	61	<0.005	<0.1	<0.1	140	140	<25
M01-0492	EMP #3 After Purging Wells	29-Oct-01	0.051	0.23	<0.005	38	<0.01	<0.01	<0.005	0.41	<0.05	9.8	0.032	<0.0002	0.01	<0.04	3.7	<0.1	25	<0.02	59	<0.005	<0.1	<0.1	140	140	<25
M02-0040	EMP #3 Before Purging Wells	19-Feb-02	--	--	--	43	--	--	--	--	--	11	--	--	--	--	3.4	--	12	--	--	55	--	--	140	140	<25
M02-0040	EMP #3 Before Purging Wells R	19-Feb-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M02-0048	EMP #3 After Purging Wells	20-Feb-02	--	--	--	43	--	--	--	--	--	10	--	--	--	--	3.3	--	28	--	--	52	--	--	150	150	<25
M02-0048	EMP #3 After Purging Wells R	20-Feb-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2002040220-01	EMP #3 Pump BlankBefore Purging Wells	29-Apr-02	--	--	--	74	--	--	--	--	--	23	--	--	--	--	4.2	--	31	--	--	64	--	--	160	160	<25
2002040220-15	EMP #3 Pump Blank During Purging Wells	30-Apr-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2202040220-25	EMP #3 Pump Blank After Purging Wells	02-May-02	--	--	--	98	--	--	--	--	--	37	--	--	--	--	5.2	--	32	--	--	82	--	--	190	190	<25
7	EMP #3 Pump Blank After Purging Wells	25-Sep-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	77	--	--	--	--	--
2002110896-2	EMP #3 Pump Blank Before Purging Wells	03-Nov-02	--	0.26	--	93	--	--	--	1.8	--	33	0.15	--	--	--	8.3	--	46	--	--	86	--	--	180	180	<2.0
2002110896-14	EMP #3 Pump Blank During Purging Wells	05-Nov-02	--	0.24	--	93	--	--	--	1.2	--	33	0.085	--	--	--	5.8	--	48	--	--	80	--	--	180	180	<2.0
2002110896-29	EMP #3 Pump Blank After Purging Wells	08-Nov-02	--	0.24	--</																						

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
2003030318/T4096-1	Pump Blank	26-Mar-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	910	7.5 H	634	55.8	—	—	—	—	—	—	—	—
2003050551-2	Pump Blank	19-May-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	957	7.4 H	686	58.0	—	—	—	—	—	—	—	—
2003080979-1	Pump Blank	19-Aug-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	640	57.2	—	—	—	—	—	—	—	—
2003101363-1	Pump Blank	03-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	<10	0.20	—	—	—	—	—	—	—	—
2003101363-15	Pump Blank	05-Nov-03	2.0	1.7 J	2.2	—	—	—	3.1 J	—	—	—	—	688	26.3	—	—	—	—	—	—	—	—
2003101363-29	Pump Blank	07-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	666	50.9	—	—	—	—	—	—	—	—
2004020197-3	Pump Blank	26-Feb-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	654	53.0	—	—	—	—	—	—	—	—
2004050647-1	Pump Blank	12-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	660	53.8	—	—	—	—	—	—	—	—
2004081157-1	Pump Blank	24-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	732	53.0	—	—	—	—	—	—	—	—
2004111601-1	Pump Blank	09-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	—	—	653	59.0	—	—	—	—	—	—	—	—
2004111601-18	Pump Blank	11-Nov-04	6.2	1.6	2.9	—	—	—	3.60	—	—	—	—	732	52.0	—	—	—	—	—	—	—	—
2004111601-32	Pump Blank	12-Nov-04	<10 R	<10 R	<10 R	—	—	—	<20 R	—	—	—	—	744	58.0	—	—	—	—	—	—	—	—
2005020148-1	Pump Blank	14-Feb-05	1.1 J	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	703	57.0	—	—	—	—	—	—	—	—
2005050586-3	Pump Blank	23-May-05	1.8 J	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	671	54.0	—	—	—	—	—	—	—	—
2005081051-1	Pump Blank	22-Aug-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	675	56.0	—	—	—	—	—	—	—	—
2005121523-1	Pump Blank	12-Dec-05	<100	<100	<100	—	—	—	<300	—	—	—	—	712	62.0	—	—	—	—	—	—	—	—
2005121523-15	Pump Blank	13-Dec-05	<100	<100	<100	—	—	—	<300	—	—	—	—	749	55.0	—	—	—	—	—	—	—	—
2005121523-30	Pump Blank	15-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	693	44.0	—	—	—	—	—	—	—	—
2006020147-1	Pump Blank	13-Feb-06	<100	<100	<100	—	—	—	<300	—	—	—	—	766	58.0	—	—	—	—	—	—	—	—
2006050558-1	Pump Blank	08-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	581	49.0	—	—	—	—	—	—	—	—
2006081053-1	Pump Blank	22-Aug-06	12.9	0.99 J	<2.0	—	—	—	<6.0	—	—	—	—	636	54.0	—	—	—	—	—	—	—	—
20070303225-1	Pump Blank	05-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	692	53.6	—	—	—	—	—	—	—	—
20070303225-18	Pump Blank	07-Mar-07	1.5	<1	1.4	1.7	<1	<1	1.7	—	—	—	—	658	53.6	—	—	—	—	—	—	—	—
2007050615-1	Pump Blank	08-Mar-07	<5	<5	<5	6.3	<5	<5	6.3	—	—	—	—	754	49.8	—	—	—	—	—	—	—	—
2007081015-3	Pump Blank	15-May-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	741	57.6	—	—	—	—	—	—	—	—
2007111584-1	Pump Blank	22-Aug-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	728	53.4	—	—	—	—	—	—	—	—
2007111584-16	Pump Blank	12-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	794	55	—	—	—	—	—	—	—	—
2007111584-31	Pump Blank	13-Nov-07	2.2	<1	2.6	2.2	<1	<1	2.2	—	—	—	—	710	57.1	—	—	—	—	—	—	—	—
2008020241-1	Pump Blank	16-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	791	56.4	—	—	—	—	—	—	—	—
2008060775-1	Pump Blank	19-Feb-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	770	56	—	—	—	—	—	—	—	—
2008081172-1	Pump Blank	09-Jun-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	801	60.9	—	—	—	—	—	—	—	—
2008111580-1	Pump Blank	12-Aug-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	746	59.1	—	—	—	—	—	—	—	—
2008111580-19	Pump Blank	17-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	697	59	—	—	—	—	—	—	—	—
2008111580-32	Pump Blank	18-Nov-08	<1	<1	1	<1	<1	<1	<1	—	—	—	—	616	59.9	—	—	—	—	—	—	—	—
2009030219-2	Pump Blank	20-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	687	61.9	—	—	—	—	—	—	—	—
2009050622-3	Pump Blank	03-Mar-09	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	644	45.5	—	—	—	—	—	—	—	—
2009080924-1	Pump Blank	19-May-09	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	674	52.5	—	—	—	—	—	—	—	—
1002191355	Pump Blank	26-Aug-09	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	867	52.4	—	—	—	—	—	—	—	—
1002241500	Pump Blank	19-Feb-10	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1002251345	Pump Blank	24-Feb-10	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
S98-0064	Field Blank	24-Feb-98	<0.50	0.93	<0.50	—	—	—	2.3	—	—	2	5.8	<20	<0.2	<1	—	<0.2	<0.1	<0.2	<0.1	<0.05	<0.005
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	<0.1	<0.05	—
S98-0223	Field Blank	01-Jun-98	17	100	<0.50	—	—	—	120	—	—	3.2	6.0	<20	0.33	<1	—	<0.2	<0.1	<0.05	<0.1	<0.05	—
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	<0.1	<0.05	—
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	<0.1	<0.05	—
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	<0.1	<0.05	—
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	<0.1	<0.05	—
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	—
M00-0031	Field Blank	23-Feb-00	<2	<2	<2	<2.0	<2.0	<2.0	<6.0	—	—	1	6.04	<15	<0.1	<0.1	17.4	<0.2	<0.4	<0.1	<0.1	<0.1	—
M00-0104	Field Blank	12-May-00	<5	<5	<5	—	—	—	<10	—	—	6	5.47	17	<0.1	<0.1	18.6	<0.2	<0.4	<0.1	<0.1	<0.1	—
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	<0.1	<0.1	—
M00-0246	Field Blank	06-Nov-00	<2	<2	<2	—	—	—	<4	—	—	11.0	5.4	<15	3.3	<0.1	17.2	<0.2	<0.4	<0.1	<0.1	<0.1	—
M01-0020	Field Blank	21-Feb-01	<2	<2	<2	—	—	—	<4	—	—	1.0	6.14 H	<15	<0.1	<0.1	22.0	<0.2	<0.4	<0.1	<0.1	<0.1	—
M01-0164	Field Blank	07-May-01	<2	<2	<2	—	—	—	<2	—	—	577.0	8.19 H	342	84	<2	25.2	0.17	<0.4	0.630	<0.1	<0.1	—
M01-0414	Field Blank	02-Aug-01	<2	<2	<2	—	—	—	<2	—	—	33.2	6.04	28	6.5	<1	22.8	0.13	<0.4	0.62	<0.1	<0.1	—
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	—
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	—
M02-0045	Field Blank	20-Feb-02	<2.0	3.1	2.1	—	—	—	9.0	—	—	3.8	6.06 H	<30.0	0.11	<0.10	—	<0.10	<0.40	<0.010	<0.1	<0.1	—
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	—	—	—	—	—	—	—	—	—	—	—	—	—

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	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l	Iron, mg/l	Lead, mg/l	Magnesium, mg/l	Manganese, mg/l	Mercury, mg/l	Molybdenum, mg/l	Nickel, mg/l	Potassium, mg/l	Selenium	Silica, mg/l	Silver, mg/l	Sodium, mg/l	Uranium, mg/l	Zinc, mg/l	Alkalinity (as CaCO ₃), mg/l	Alkalinity - Bicarbonate, mg/l	Alkalinity - Carbonate, mg/l	Alkalinity - Hydroxide, mg/l	Hardness (as CaCO ₃), mg/l	
2003030318/J4096-1	Pump Blank	26-Mar-03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	51.800	--	--	--	--	--	191	315
2003050551-2	Pump Blank	19-May-03	--	--	--	79.200	--	--	--	--	--	28.600	--	--	--	--	--	--	--	--	--	65.100	--	--	--	--	--	--	--
2003080979-1	Pump Blank	19-Aug-03	--	--	--	85.900	--	--	--	--	--	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	--	--	--	--	--	--	--
2005081053-1	Pump Blank	22-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	81.000	--	--	--	--	--	--	--
2005081051-1	Pump Blank	22-Aug-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	86.500	--	--	--	--	--	--	--
2005121523-1	Pump Blank	12-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	93.700	--	--	--	--	--	--	--
2005121523-15	Pump Blank	13-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	79.700	--	--	--	--	--	--	--
2005121523-30	Pump Blank	15-Dec-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	81.600	--	--	--	--	--	--	--
2006020147-1	Pump Blank	13-Feb-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	64.000	--	--	--	--	--	--	--
2006050558-1	Pump Blank	08-May-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	72.000	--	--	--	--	--	--	--
2006081053-1	Pump Blank	22-Aug-06	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	74.3	--	--	--	--	--	--	--
2007030225-1	Pump Blank	05-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	71.9	--	--	--	--	--	--	--
2007030225-18	Pump Blank	07-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	86.7	--	--	--	--	--	--	--
2007030225-32	Pump Blank	08-Mar-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	78.5	--	--	--	--	--	--	--
2007050615-1	Pump Blank	15-May-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	68	--	--	--	--	--	--	--
2007081015-3	Pump Blank	22-Aug-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	75.8	--	--	--	--	--	--	--
2007111584-1	Pump Blank	12-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	76.6	--	--	--	--	--	--	--
2007111584-16	Pump Blank	13-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	72.1	--	--	--	--	--	--	--
2007111584-31	Pump Blank	16-Nov-07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	69.3	--	--	--	--	--	--	--
2008020241-1	Pump Blank	19-Feb-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	78.1	--	--	--	--	--	--	--
2008060775-1	Pump Blank	09-Jun-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	67.2	--	--	--	--	--	--	--
2008081172-1	Pump Blank	12-Aug-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	72.1	--	--	--	--	--	--	--
2008111580-1	Pump Blank	17-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	71.4	--	--	--	--	--	--	--
2008111580-19	Pump Blank	18-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	73.1	--	--	--	--	--	--	--
2008111580-32	Pump Blank	20-Nov-08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	72.1	--	--	--	--	--	--	--
2009030219-2	Pump Blank	03-Mar-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	73.1	--	--	--	--	--	--	--
2009050622-3	Pump Blank	19-May-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	73.1	--	--	--	--	--	--	--
2009080924-1	Pump Blank	26-Aug-09	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	73.6	--	--	--	--	--	--	--
1002191355	Pump Blank	19-Feb-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1002241500	Pump Blank	24-Feb-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1002251345	Pump Blank	25-Feb-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S98-0064	Field Blank	24-Feb-98	--	--	--	<1	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	--	--
S98-0171	Field Blank	12-May-98	--	--	--	<1	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	--	--
S98-0223	Field Blank	01-Jun-98	--	--	--	<1	--	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	<1	--	--	--	--	--	--	--
S98-0291	Field Blank	10-Aug-98	--	--	--	3.6	--	--	--	--	--	<0.25	--	--	--	--	<0.25	--	--	--	--	<0.25	--	--	--	--	--	--	9.0
S98-0480	Field Blank	22-Oct-98	--	0.016	--	<0.25	--	--	<0.0025	<0.05	--	<0.25	<0.0025	--	--	--	<1	--	--	--	--	<0.25	--	<0.05	<0.25	<25	<25	<25	<0.5
S99-0077	Field Blank	23-Feb-99	--	--	--	<0.25	--	--	<0.0025	<0.05	--	<0.25	<0.0025	--	--	--	<1	--	--	--	--	<0.25	--	<0.05	<0.25	<25	<25	<25	<1
M99-0001	Field Blank	10-May-99	--	<0.01	--	<0.25	--	--	<0.0025	<0.05	--	<0.25	<0.0025	--	--	--	<1	--	--	--	--	<0.25	--	<0.05	<0.25	<25	<25	<25	<1
M99-0209	Field Blank	23-Oct-99	<0.0025	<0.01	<0.002	0.33	<0.005	<0.005	<0.0025	<0.05	0.0062	<0.25	<0.0025	<0.0002	<0.0005	<0.005	<0.02	<1	<1	<0.005	<0.005	<0.005	<0.005	<0.05	<0.25	<25	<25	<1	
M00-0031	Field Blank	23-Feb-00	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	--	<1	--	<0.5	--	--	<25	<25	<25	<2	
M00-0104	Field Blank	12-May-00	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	--	<1	--	<0.5	--	--	<25	<25	<25	<2	
M00-0203	Field Blank	08-Aug-00	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	--	<1	--	<0.5	--	--	<25	<25	<25	<2	
M00-0246	Field Blank	06-Nov-00	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	--	<1	--	<0.5	--	--	<25	<25	<25	<2	
M01-0020	Field Blank	21-Feb-01	<0.005	0.12	<0.01	<0.5	<0.01	--	0.10	<0.1	<0.05	<0.5	<0.005	<0.0002	--	--	<2	<0.1	1.2	<0.02	1.5	--	<0.1	<0.25	<25	<25	<25	<2	
M01-0164	Field Blank	07-May-01	--	--	--	<0.5	--	--	--	--	--	<0.5	--	--	--	--	<2	--	<1	--	--	<0.5	--	--	<25	<25	<25	<2	
M01-0414	Field Blank	02-Aug-01	--	--	--	0.51	--	--	--	--	--	<0.5	--	--	--	--	<2	--	11	--	--	140.0	--	--	<25	<25	<25	<2	
M01-0491	Field Blank	25-Oct-01	<0.005	<0.1	<0.005	<0.5	<0.01	<0.01	<0.005	<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	<2		
M01-0494	Field Blank	29-Oct-01	<0.005	<0.1	<0.005	<0.5	<0.01	<0.01	<0.005	<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	<5		
M02-0045	Field Blank	20-Feb-02	--	--	--	<0.50	--	--	--	--	--	<0.50	--	--	--	--	<2.0	--	<1.0	--	--	<0.50	--	--	<25	<25	<25	<2.0	
M02-0045	Field Blank R	20-Feb-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M02-0062-03	Field Blank	27-Mar-02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
M02-0062-04	Field Blank w/o HCl	27-Mar-02	--																										

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
2202040220-28	Field Blank	02-May-02	<2.0	<2.0	<2.0	—	—	—	<2.0	<5.0	—	26.0	6.33 H	<15.0	3.6	0.28	—	<0.10	<0.40	0.12	—	—	—
	Field Blank	08-Nov-02	<1.0	<1.0	<1.0	<2.0	<2.0	<1.0	<3.0	—	—	1.0	5.88 H	<10	<2.0	<2.0	—	<0.50	<0.40	<0.20	—	—	<0.0050
2002110896-31	Trip Blank	07-Nov-03	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	12-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	13-May-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	24-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	25-Aug-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	10-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	11-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	12-Nov-04	<1.0	<1.0	<1.0	—	—	—	<2.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-Nov-04	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	14-Feb-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-Feb-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	23-May-05	<5	<5	<5	<5	<5	<5	<5	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank (SPL)	23-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank (Accutest)	23-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	24-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	25-May-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	22-Aug-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	23-Aug-05	<2.0 H	<2.0 H	<2.0 H	—	—	—	<6.0 H	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	12-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	13-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-Dec-05	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	13-Feb-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	08-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	09-May-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	22-Aug-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	23-Aug-06	<2.0	<2.0	<2.0	—	—	—	<6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	05-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	06-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	07-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	08-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	09-Mar-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-May-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	16-May-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	22-Aug-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	24-Aug-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	12-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	13-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	14-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	15-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	16-Nov-07	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	19-Feb-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	20-Feb-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	09-Jun-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	12-Aug-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	13-Aug-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	17-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	18-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	19-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	20-Nov-08	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	03-Mar-09	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	04-Mar-09	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	19-May-09	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	26-Aug-09	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	27-Aug-09	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	17-Sep-09	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	19-Feb-10	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	24-Feb-10	<1	<1	<1	<1	<1	<1	<1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Trip Blank	25-Feb-10	<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	Benzene, µg/l	Toluene, µg/l	Ethylbenzene, µg/l	m-Xylene ug/l	p-Xylene ug/l	o-Xylene ug/l	Total Xylene, µg/l	MTBE, µg/l	Gasoline Range Organics, mg/l	Specific Conductance, umho/cm	pH, s.u.	Total Dissolved Solids, mg/L	Chloride, mg/l	Sulfate, mg/l	pH Temperature °C	Bromide, mg/l	Fluoride, mg/l	Nitrate-N, mg/l	Nitrate as NO3, mg/l	Aluminum, mg/l	Arsenic, mg/l
	Trip Blank	09-Dec-10	<1	<1	<1	<1	<1	<1	<1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Trip Blank	09-Dec-10	<1	<1	<1	<1	<1	<1	<1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Trip Blank	09-Dec-10	<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	Barium, mg/l	Boron, mg/l	Cadmium, mg/l	Calcium, mg/l	Chromium, mg/l	Cobalt, mg/l	Copper, mg/l	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	09-Dec-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Trip Blank	09-Dec-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	Trip Blank	09-Dec-10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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.

12. ** : Doom Supply was resampled on 9/17/2009

Table 3 : Summary of 2009 Groundwater Recovery/Disposal Volumes
Jal #4 Plant, El Paso Natural Gas Company, Lea County, New Mexico

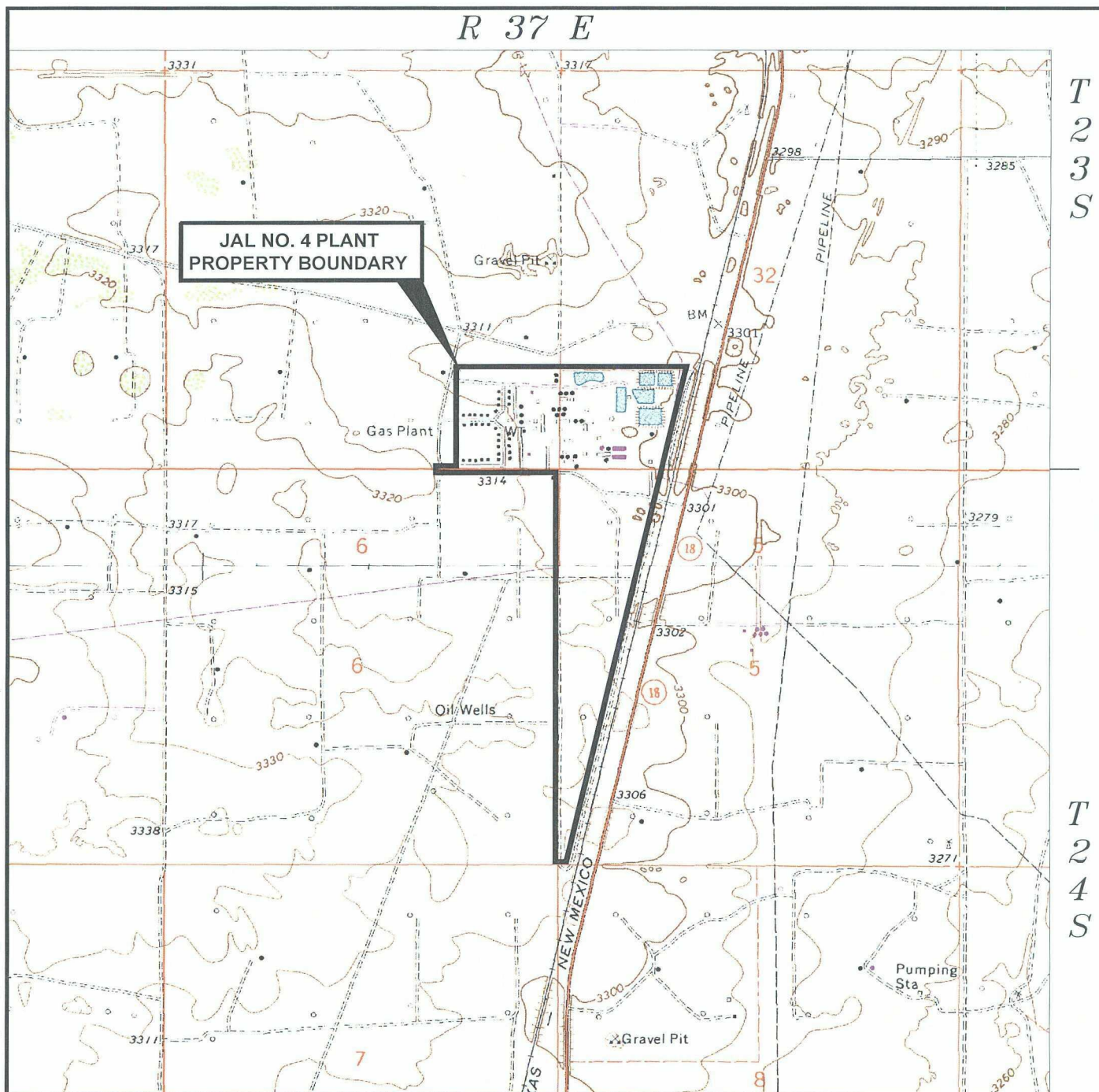
Month	CP-37 through CP-42 Comb-S (RW-1)				CP-37 through CP-42 Comb-S (RW-2)				CP-37 through CP-42 Comb-S (ENSR #2)				CP-37 Comb S-9 (ACW-3)				CP-37 Comb S-8 (ACW-8)			
	Meter Readings		Difference		Meter Readings		Difference		Meter Readings		Difference		Meter Readings		Difference		Meter Readings		Difference	
	Present	Previous	(gallons)		Present	Previous	(gallons)		Present	Previous	(gallons)		Present	Previous	(gallons)		Present	Previous	(gallons)	
	2009 Annual Subtotal		2,506,620		2009 Annual Subtotal		2,532,290		2009 Annual Subtotal		1,582,660		2009 Annual Subtotal		1,775,300		2009 Annual Subtotal		1,445,460	
Jan-10	9,246,100	9,092,080	154,020		23,228,240	23,089,660	138,580		10,586,750	10,428,640	158,110		5,775,230	5,664,060	111,170		1,506,630	1,445,460	61,170	
Feb-10	9,323,330	9,246,100	77,230		23,435,030	23,228,240	206,790		10,717,760	10,586,750	131,010		5,877,350	5,775,230	102,120		1,553,430	1,506,630	46,800	
Mar-10	9,323,460	9,323,330	130		23,598,350	23,435,030	163,320		10,844,970	10,717,760	165,050		6,015,650	5,877,350	138,300		1,599,240	1,553,430	45,810	
Apr-10	9,420,820	9,323,460	97,360		23,709,150	23,598,350	110,800		10,961,710	10,844,970	116,740		6,120,490	6,015,650	104,840		1,638,760	1,599,240	39,520	
May-10	9,442,540	9,420,820	21,720		23,849,380	23,709,150	140,230		11,087,770	10,961,710	126,060		6,230,510	6,120,490	110,020		1,658,890	1,638,760	20,130	
Jun-10	9,620,450	9,442,540	177,910		24,000,180	23,849,380	150,800		11,183,770	11,087,770	96,000		6,368,820	6,230,510	138,310		1,737,400	1,658,890	78,510	
Jul-10	9,811,520	9,620,450	191,070		24,182,280	24,000,180	182,100		11,183,770	11,183,770	0		6,506,130	6,368,820	137,310		1,862,390	1,737,400	124,990	
Aug-10	9,950,810	9,811,520	139,290		24,323,780	24,182,280	141,500		11,183,770	11,183,770	0		6,618,260	6,506,130	112,130		2,056,780	1,862,390	194,390	
Sep-10	10,205,460	9,950,810	254,650		24,592,580	24,323,780	268,800		11,183,770	11,183,770	0		6,785,110	6,618,260	166,850		2,237,970	2,056,780	181,190	
Oct-10	10,367,880	10,205,460	162,420		24,811,130	24,592,580	218,550		11,183,770	11,183,770	0		6,940,910	6,785,110	155,800		2,403,330	2,237,970	165,360	
Nov-10	10,545,530	10,367,880	177,650		24,989,790	24,811,130	178,660		11,183,770	11,183,770	0		7,080,400	6,940,910	139,490		2,573,050	2,403,330	169,720	
Dec-10	10,779,190	10,545,530	233,660		25,199,340	24,989,790	209,550		11,183,770	11,183,770	0		7,194,190	7,080,400	113,790		2,738,110	2,573,050	165,060	
	2010 Annual Subtotal		1,687,110		2010 Annual Subtotal		2,109,680		2010 Annual Subtotal		792,970		2010 Annual Subtotal		1,530,130		2010 Annual Subtotal		1,292,650	
																	2010 Annual Totals		7,412,540	
																		acre-ft		22.75
																		barrels		176,489

Notes:

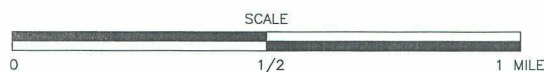
1. Well designations CP-37 through CP-42 Combined-S (RW-1, RW-2 and ENSR #2), CP-37 Comb S-9 (ACW-3) and CP-37 Comb S-8 (ACW-8) denote permit file numbers issued by the New Mexico State Engineer's Office on June 24, 1997 and September 28, 2006.
2. **: Denotes recovery well meter malfunction. Groundwater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

FIGURES

P:\TUL\ENV\2004\4100417116_EPNG_Jal4GWrem10\20_DESGN\40_CAD\2010_FIG01_TOPO.DWG on Feb 11, 2011-12:12pm



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



NEW MEXICO



SAIC Energy, Environment
& Infrastructure, LLC
One West Third Street, Suite 100
Tulsa, Oklahoma 74103
(918) 492-1600
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FIGURE TITLE
**PLANT LOCATION AND
TOPOGRAPHIC FEATURES**

DOCUMENT TITLE
2010 ANNUAL GROUNDWATER
REMEDATION REPORT

CLIENT
EL PASO NATURAL GAS COMPANY

LOCATION
JAL #4 PLANT
LEA COUNTY, NEW MEXICO

DATE	2/11/2011
SCALE	AS SHOWN
DESIGNED BY	BEM/CNA
APPROVED BY	GHR
DRAWN BY	SKG

PROJECT NUMBER

4100417116

FIGURE NUMBER

1

**SAIC Energy, Environment
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Tulsa, Oklahoma 74103
(918) 492-1600
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FIGURE TITLE	GROUNDWATER POTENTIOMETRIC SURFACE OF UPPERMOST GROUNDWATER SYSTEM - FEBRUARY 17-25, 2010		
DOCUMENT TITLE	2010 ANNUAL GROUNDWATER REMEDIATION REPORT		
CLIENT	EL PASO NATURAL GAS COMPANY		
LOCATION	JAL #4 GAS PLANT LEA COUNTY, NEW MEXICO		

DATE	2/11/2011
SCALE	1"=600'
DESIGNED BY	BEM/CNA
APPROVED BY	BEM
DRAWN BY	SKG

PROJECT NUMBER	4100417116
FIGURE NUMBER	2

LEGEND

GROUNDWATER MONITOR WELL AND
GROUNDWATER ELEVATION WITHIN
UPPERMOST GROUNDWATER SYSTEM,
ON FEBRUARY 17-25, 2010,
FEET AMSL

WATER SUPPLY WELL

GROUNDWATER RECOVERY WELL

WATER SUPPLY WELL

GROUNDWATER MONITOR WELL CONVERTED
TO GROUNDWATER RECOVERY WELL

NOT MEASURED FOR
GROUNDWATER ELEVATION

DIRECTION OF GROUNDWATER FLOW

CONTOUR OF GROUNDWATER ELEVATION
WITHIN UPPERMOST GROUNDWATER
SYSTEM ON FEBRUARY 17-25, 2010,
FEET AMSL

PLANT PROPERTY BOUNDARY

FENCE

SECONDARY ROAD

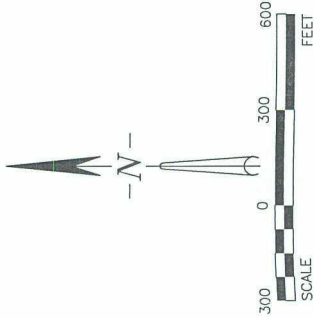
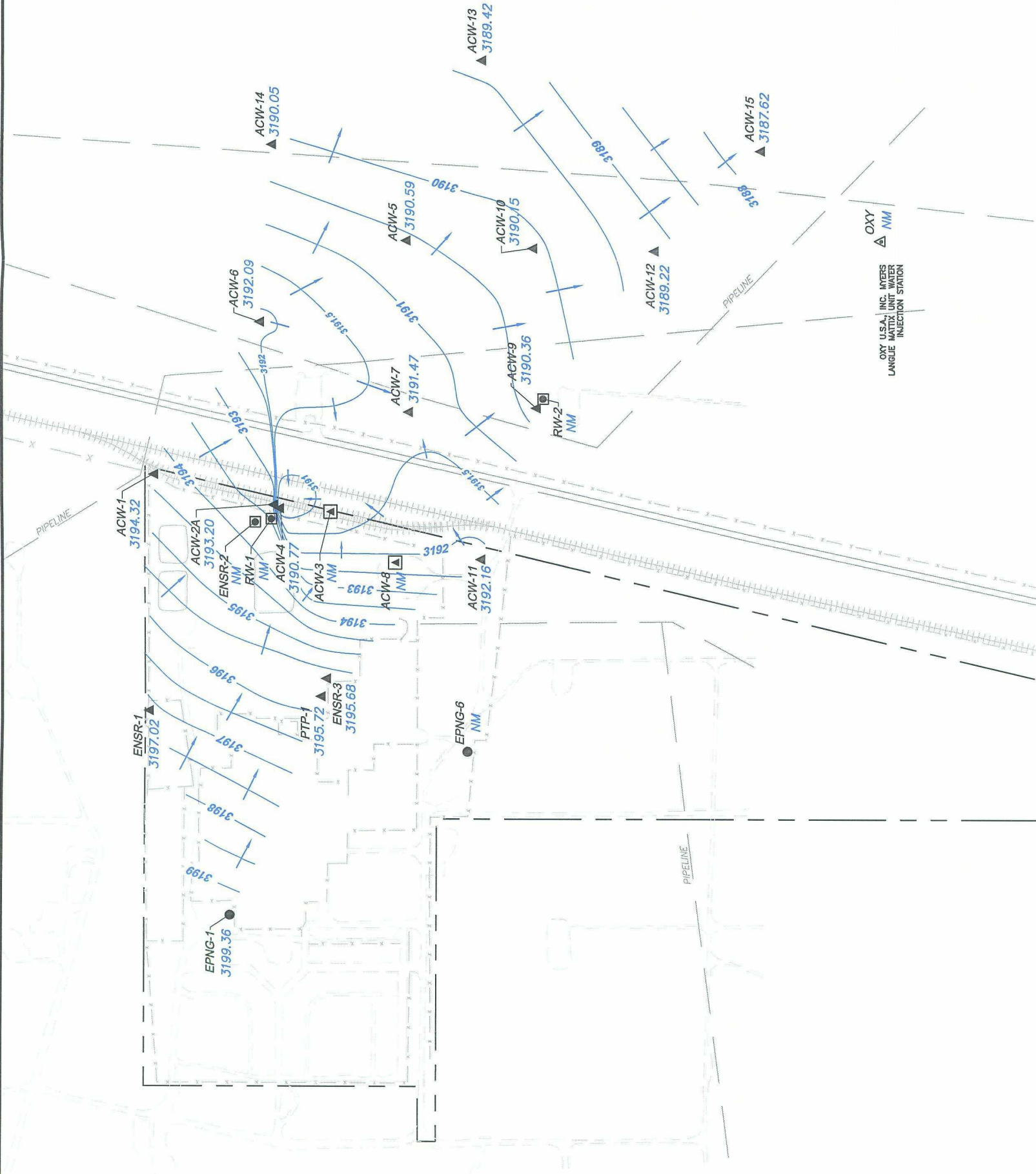
RAILROAD TRACK

PIPELINE

IMPOUNDMENT

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

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





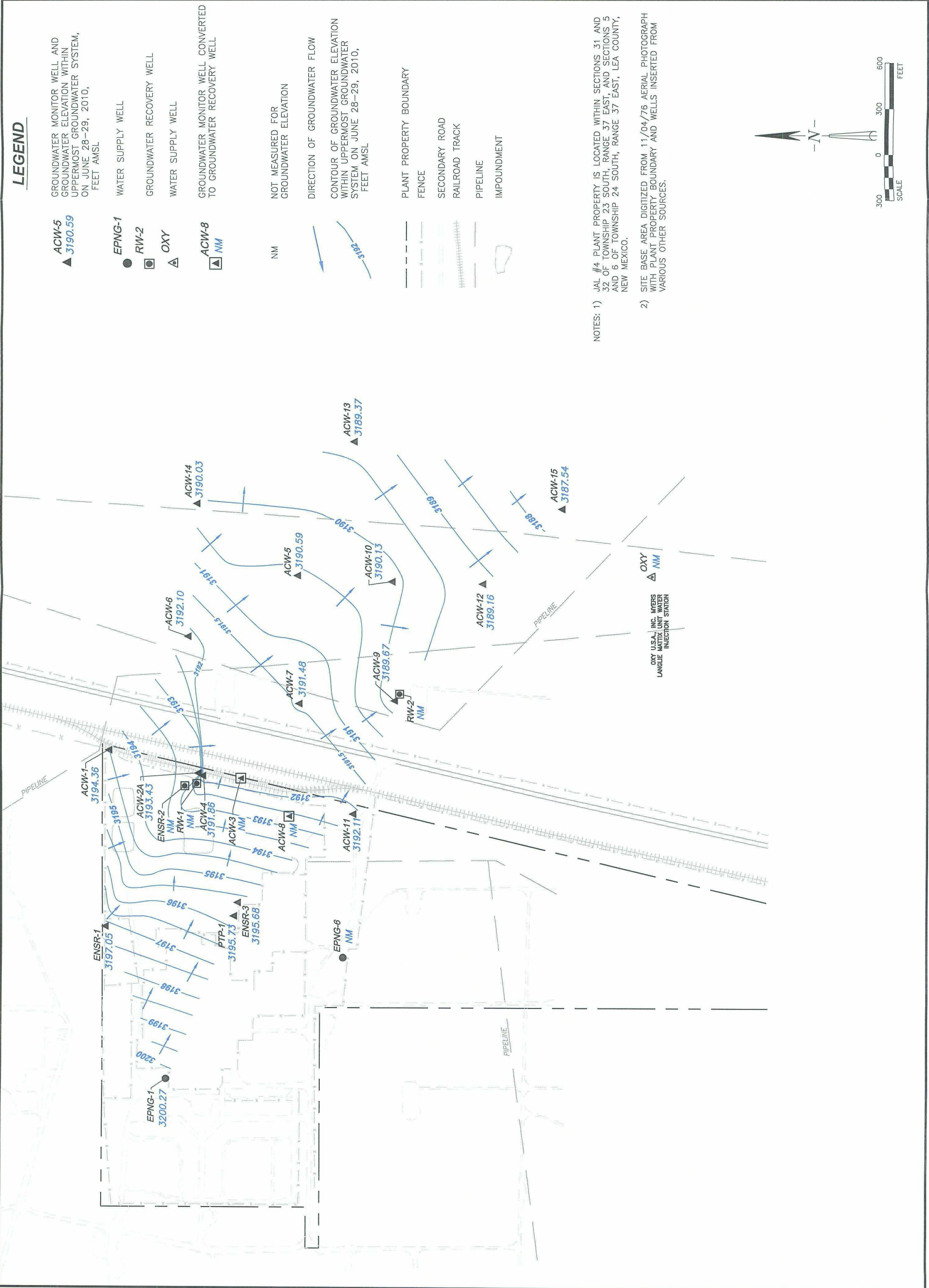
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& Infrastructure, LLC
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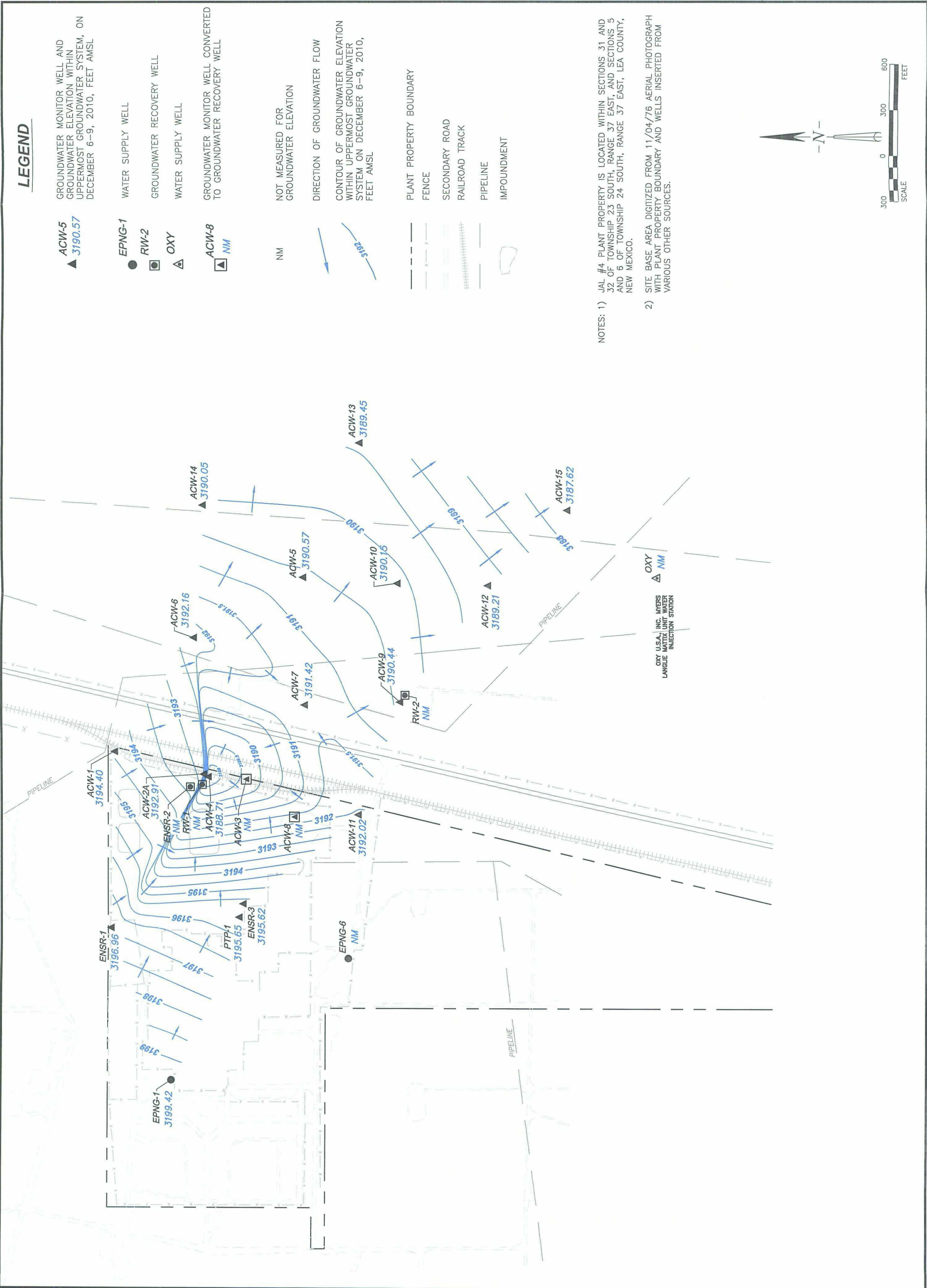
SAIC Energy, Environment
& Infrastructure, LLC
One West Third Street, Suite 100
Tulsa, Oklahoma 74103
(918) 492-1600
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FIGURE TITLE	GROUNDWATER POTENTIOMETRIC SURFACE OF UPPERMOST REMEDIATION REPORT	DOCUMENT TITLE	2010 ANNUAL GROUNDWATER REMEDIATION REPORT	CLIENT	EL PASO NATURAL GAS COMPANY	LOCATION	JAL #4 GAS PLANT LEA COUNTY, NEW MEXICO
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DATE	2/11/2011
SCALE	1"=600'
DESIGNED BY	BEM/CNA
APPROVED BY	BEM
DRAWN BY	SKG

PROJECT NUMBER	4100417116
FIGURE NUMBER	3







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One West Third Street, Suite 100
Tulsa, Oklahoma 74103
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FIGURE TITLE	GROUNDWATER POTENTIAL SURFACE OF UPPERMOST REMEDIATION REPORT
DOCUMENT TITLE	2010 ANNUAL GROUNDWATER REMEDIATION REPORT
CLIENT	EL PASO NATURAL GAS COMPANY
LOCATION	JAL #4 GAS PLANT LEA COUNTY, NEW MEXICO

DATE	2/11/2011
SCALE	1"=600'
DESIGNED BY	BEM/CNA
APPROVED BY	BEM
DRAWN BY	SKG

PROJECT NUMBER	4100417116
FIGURE NUMBER	5

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DATE	2/11/2011
SCALE	1"=600'
DESIGNED BY	BEM/CNA
APPROVED BY	BEM
DRAWN BY	SKG

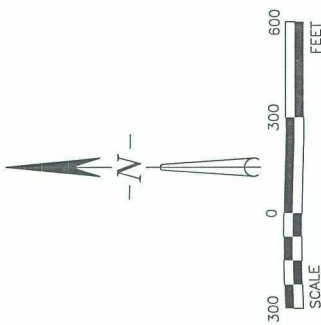
PROJECT NUMBER
4100417116
FIGURE NUMBER

60

LEGEND



- 1) CHLORIDE CONCENTRATIONS SHOWN ARE THE HIGHEST LEVELS DETECTED IN GROUNDWATER IN EACH WELL DURING THE 2010 MONITORING PROGRAM.
- 2) EPA'S SECONDARY DRINKING WATER STANDARD (SMCL) FOR CHLORIDE IN PUBLIC WATER SUPPLY SYSTEMS IS 250 mg/L.
- 3) NEW MEXICO ENVIRONMENTAL DIVISION HAS ESTABLISHED AN OTHER STANDARDS FOR DOMESTIC WATER SUPPLY OF 250 mg/L FOR CHLORIDE IN GROUNDWATER CONTAINING TDS LEVELS OF 10,000 mg/L OR LESS.
- 4) JAL #4 PLANT PROPERTY IS LOCATED WITHIN SECTIONS 31 AND 32 OF TOWNSHIP 23 SOUTH, RANGE 37 EAST, AND SECTIONS 5 AND 6 OF TOWNSHIP 24 SOUTH, RANGE 37 EAST, LEA COUNTY, NEW MEXICO.
- 5) SITE BASE AREA DIGITIZED FROM 11/04/'76 AERIAL PHOTOGRAPH WITH PLANT PROPERTY BOUNDARY AND WELLS INSERTED FROM VARIOUS OTHER SOURCES.





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FIGURE TITLE	<i>ISOPLETH OF BENZENE CONCENTRATIONS IN GROUNDWATER IN 2010</i>
DOCUMENT TITLE	2010 ANNUAL GROUNDWATER REMEDIATION REPORT
CLIENT	EL PASO NATURAL GAS COMPANY
LOCATION	JAL #4 GAS PLANT LEA COUNTY, NEW MEXICO

DATE	2/11/2011
SCALE	1"=600'
DESIGNED BY	BEM/CNA
APPROVED BY	BEM
DRAWN BY	SKG

PROJECT NUMBER
4100417116
FIGURE NUMBER

7

LEGEND

GROUNDWATER MONITOR WELL AND CONCENTRATION OF BENZENE IN GROUNDWATER, $\mu\text{g/L}$

WATER SUPPLY WELL AND CONCENTRATION OF BENZENE IN GROUNDWATER, $\mu\text{g/L}$

GROUNDWATER RECOVERY WELL AND CONCENTRATIONS OF BENZENE IN GROUNDWATER, $\mu\text{g/L}$

WATER SUPPLY WELL AND CONCENTRATION OF BENZENE IN GROUNDWATER, $\mu\text{g/L}$

GROUNDWATER MONITOR WELL CONVERTED TO GROUNDWATER RECOVERY WELL AND CONCENTRATION OF BENZENE IN GROUNDWATER, $\mu\text{g/L}$

NS
NOT SAMPLED

CONTOUR LINE SHOWING EQUAL CONCENTRATIONS OF BENZENE IN GROUNDWATER, $\mu\text{g/L}$. (DASHED WHERE INFERRED)

PLANT PROPERTY BOUNDARY
FENCE
PRIMARY ROAD OR HIGHWAY
SECONDARY ROAD
RAILROAD TRACK
PIPELINE
IMPOUNDMENT

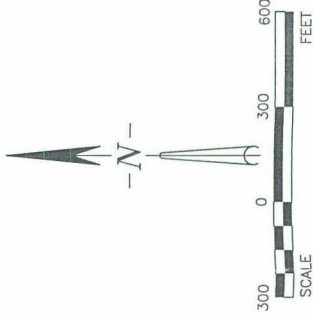
NOTES: 1) BENZENE CONCENTRATIONS SHOWN ARE THE HIGHEST LEVELS DETECTED IN GROUNDWATER IN EACH WELL DURING THE 2010 MONITORING PROGRAM.

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 BENZENE IN 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.

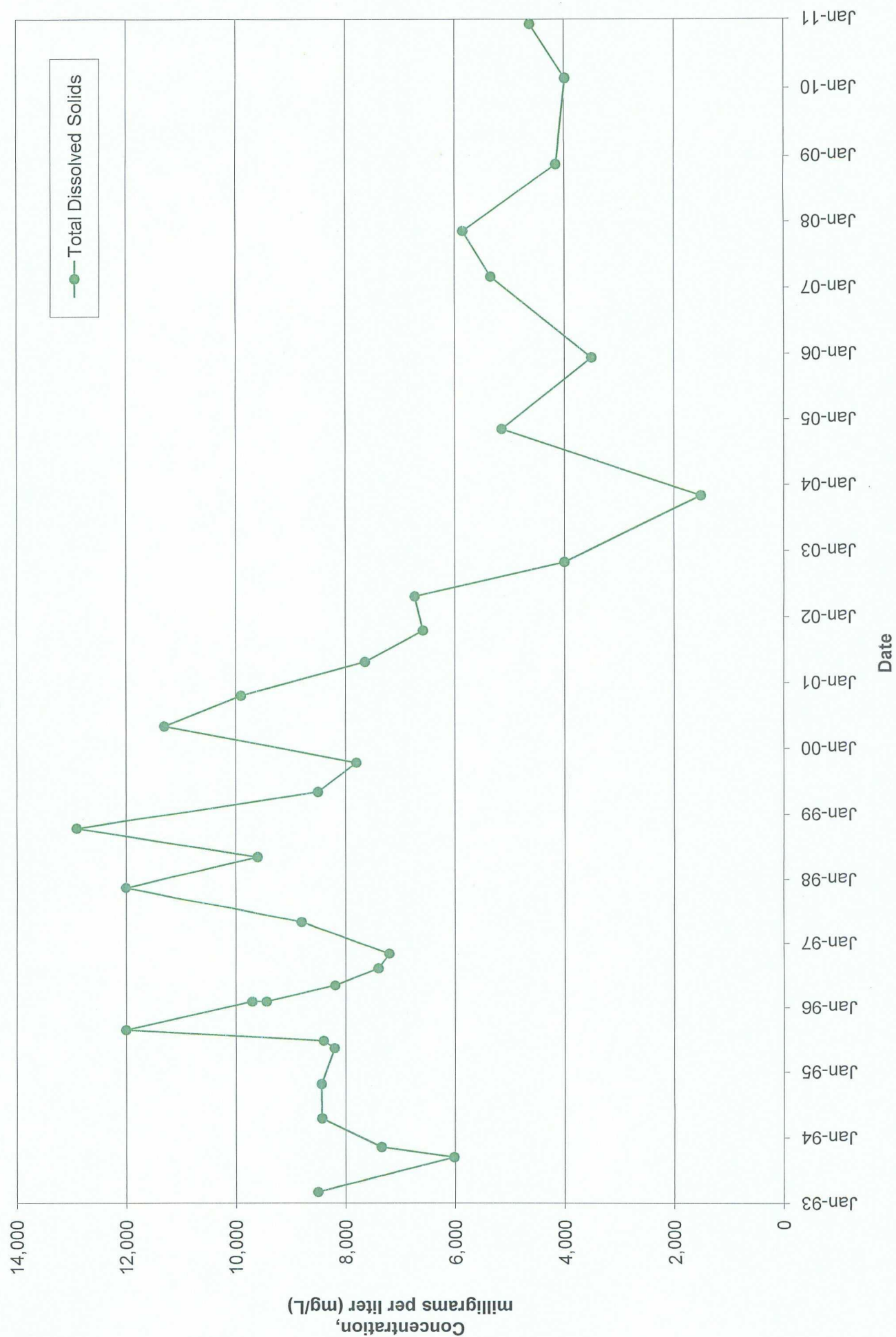




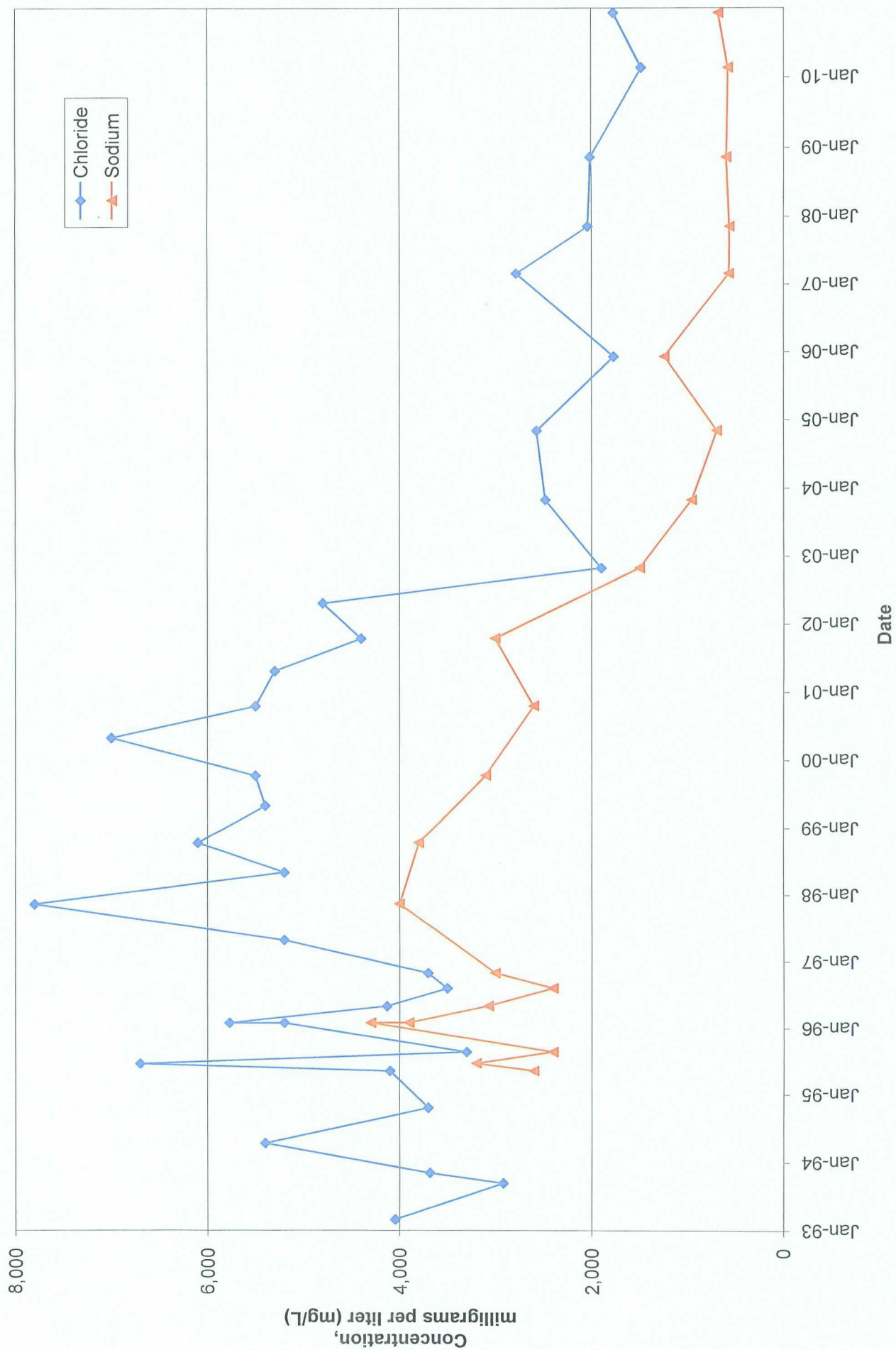
GRAPHS



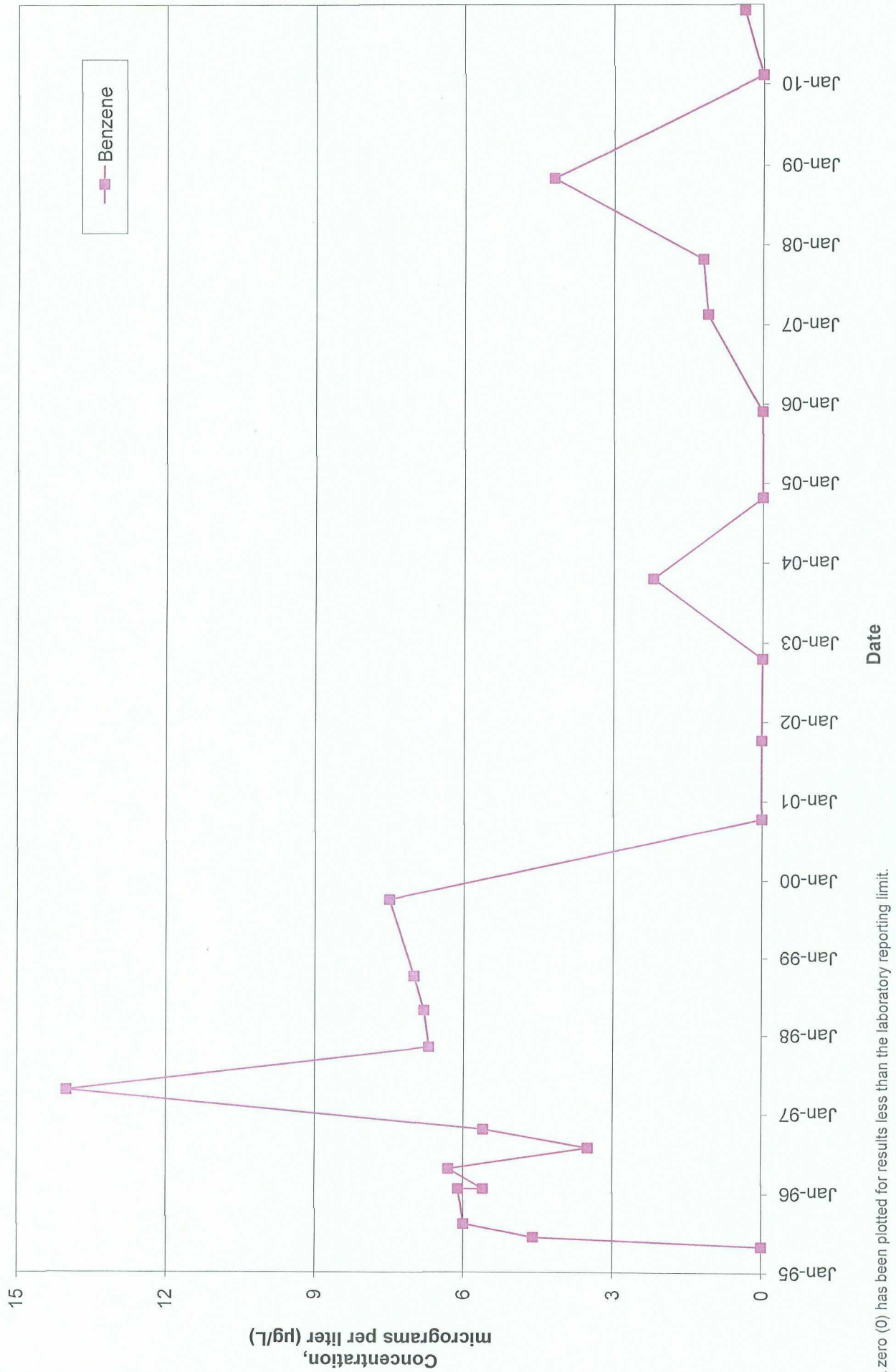
Graph 1 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-01



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

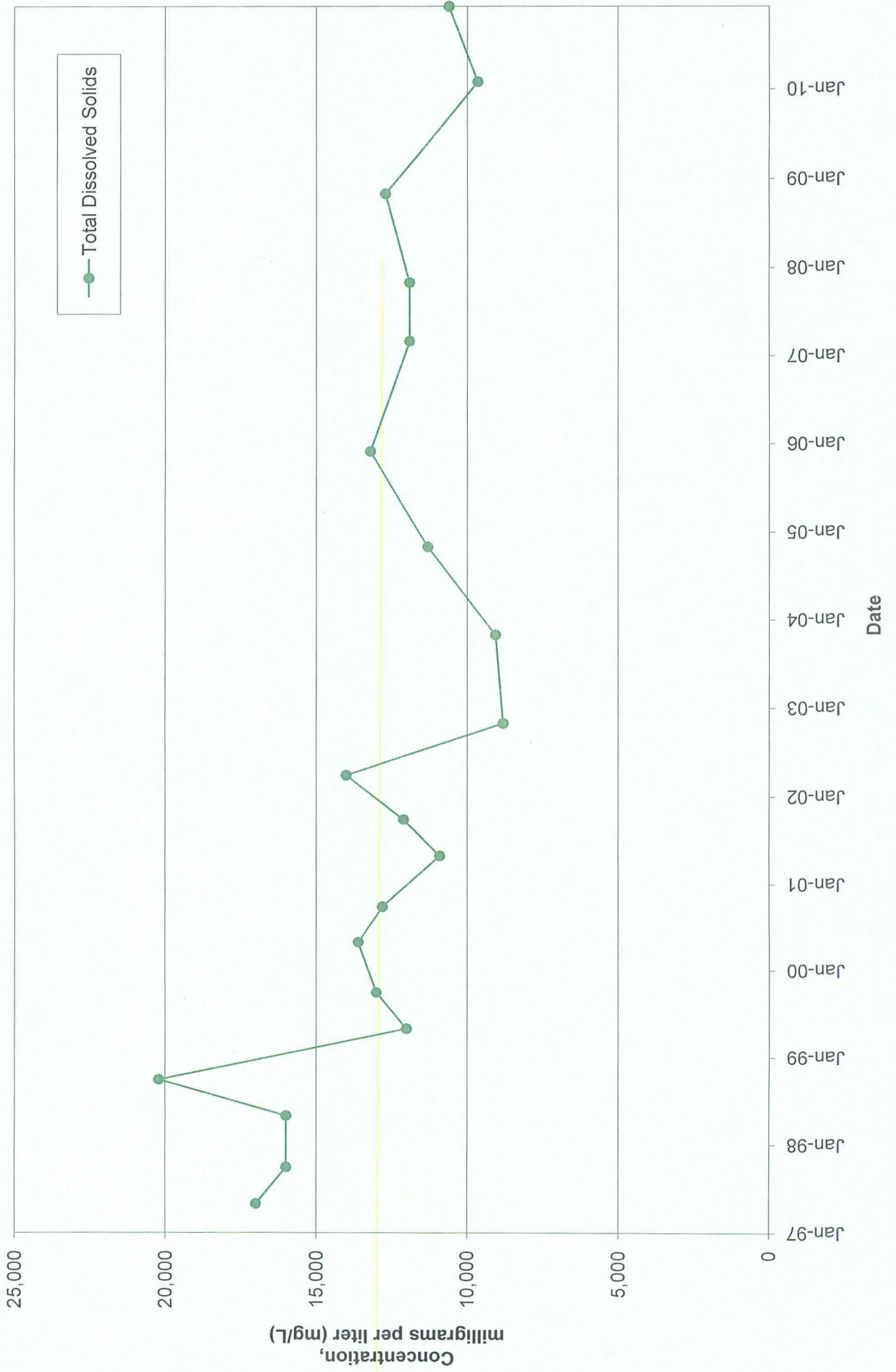


Graph 3 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-01

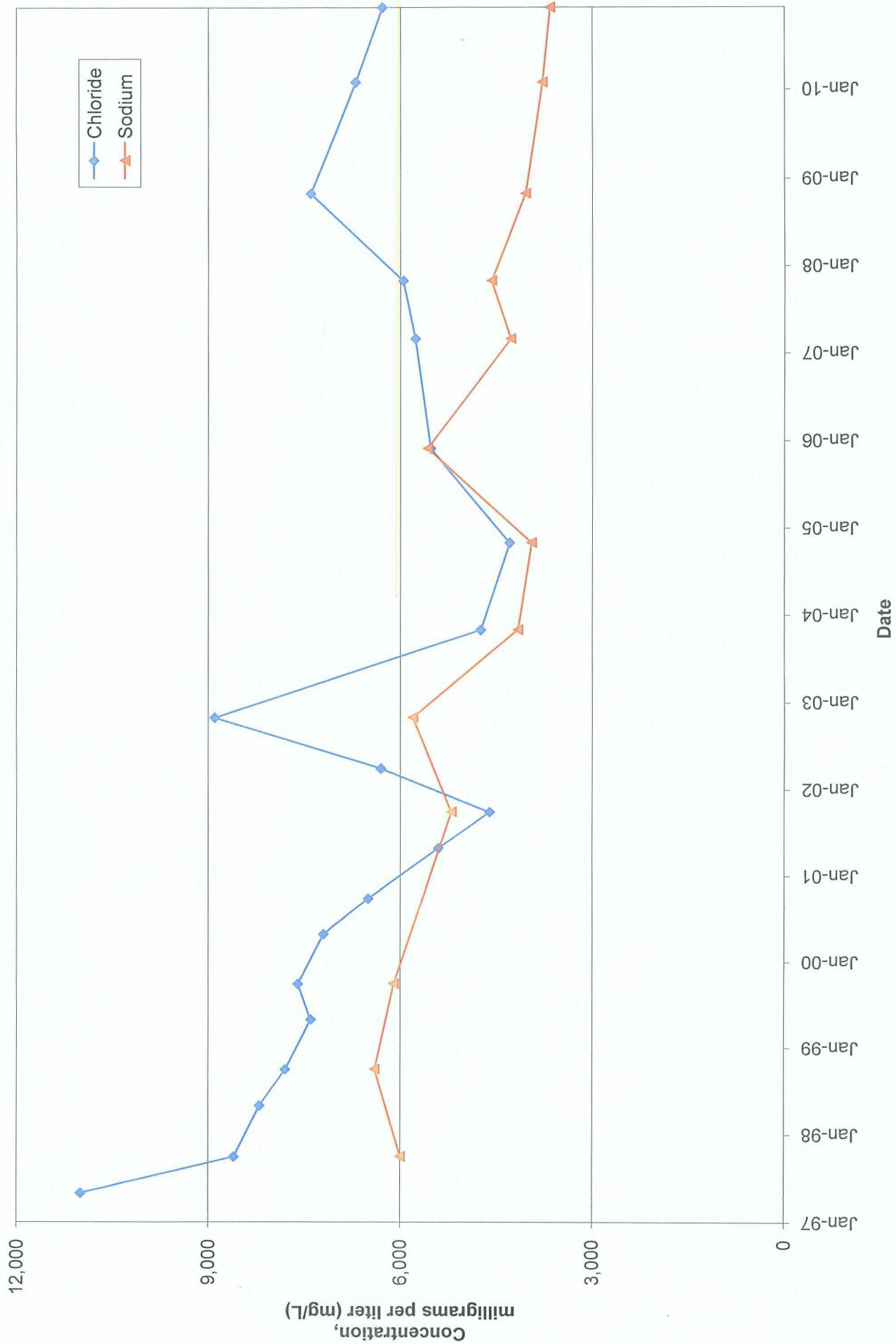


A zero (0) has been plotted for results less than the laboratory reporting limit.

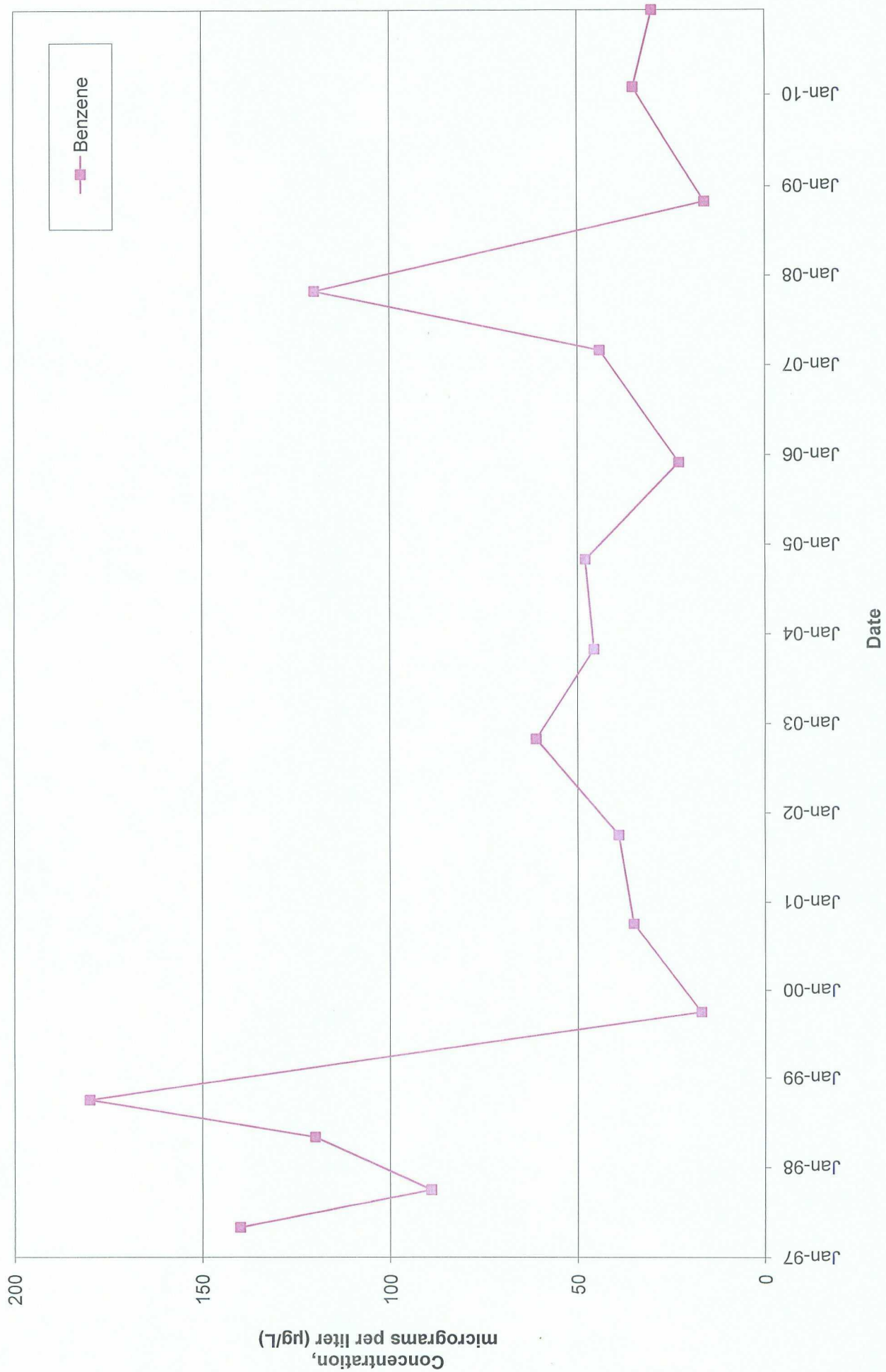
Graph 4 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-02A



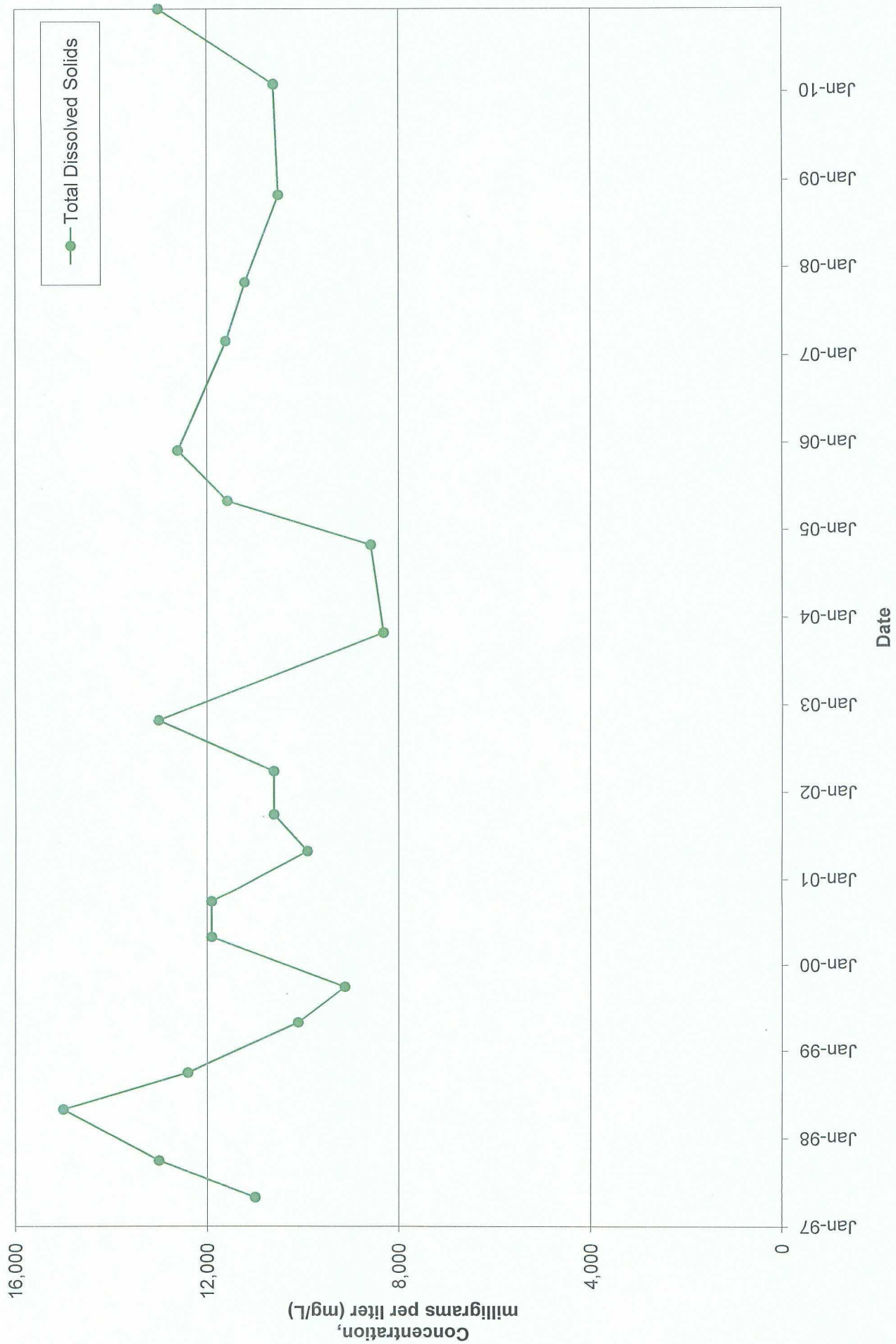
Graph 5 : Concentration Trends of Chloride and Sodium
in Groundwater Samples taken from Monitor Well ACW-02A



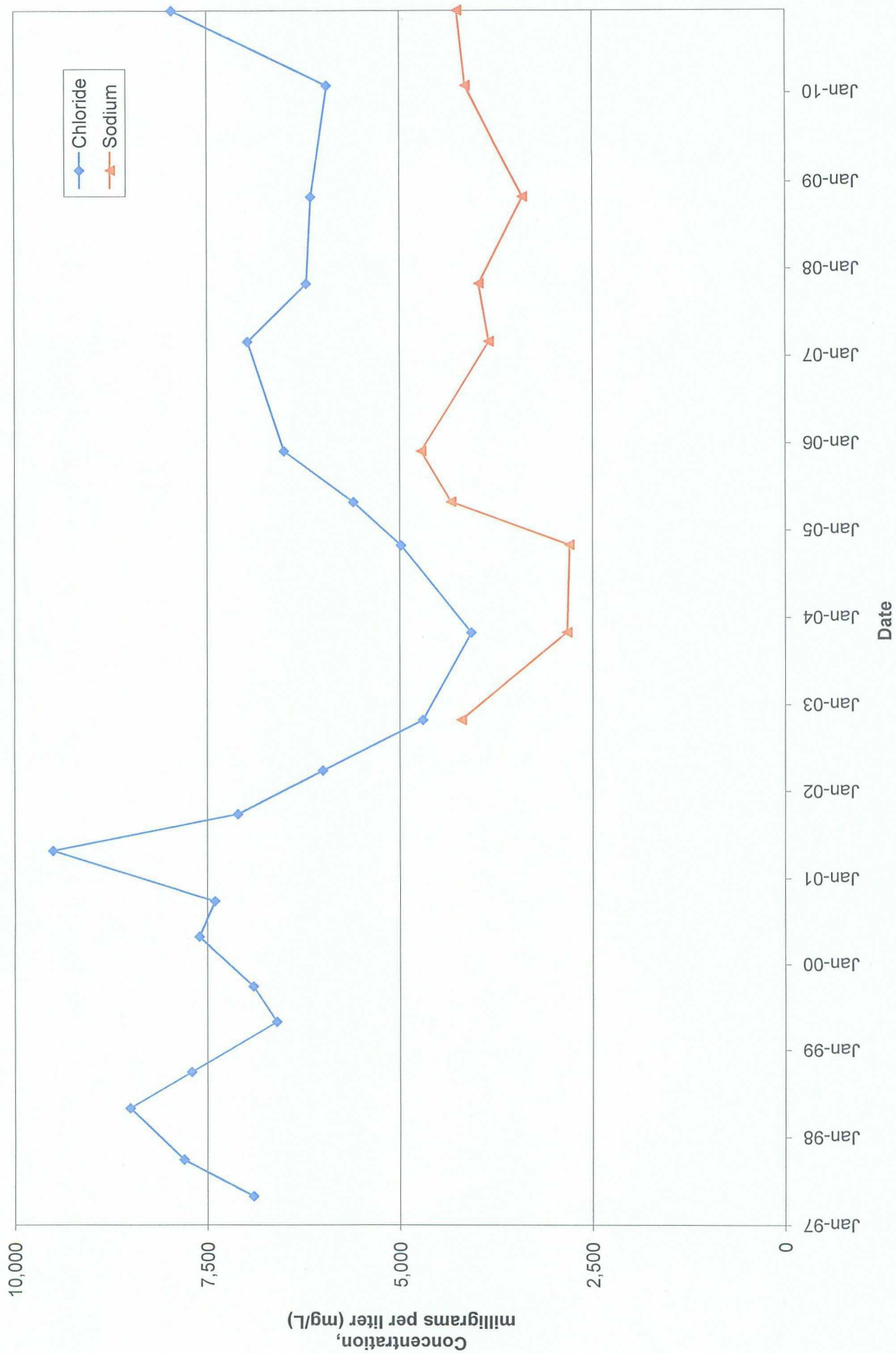
Graph 6 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-02A



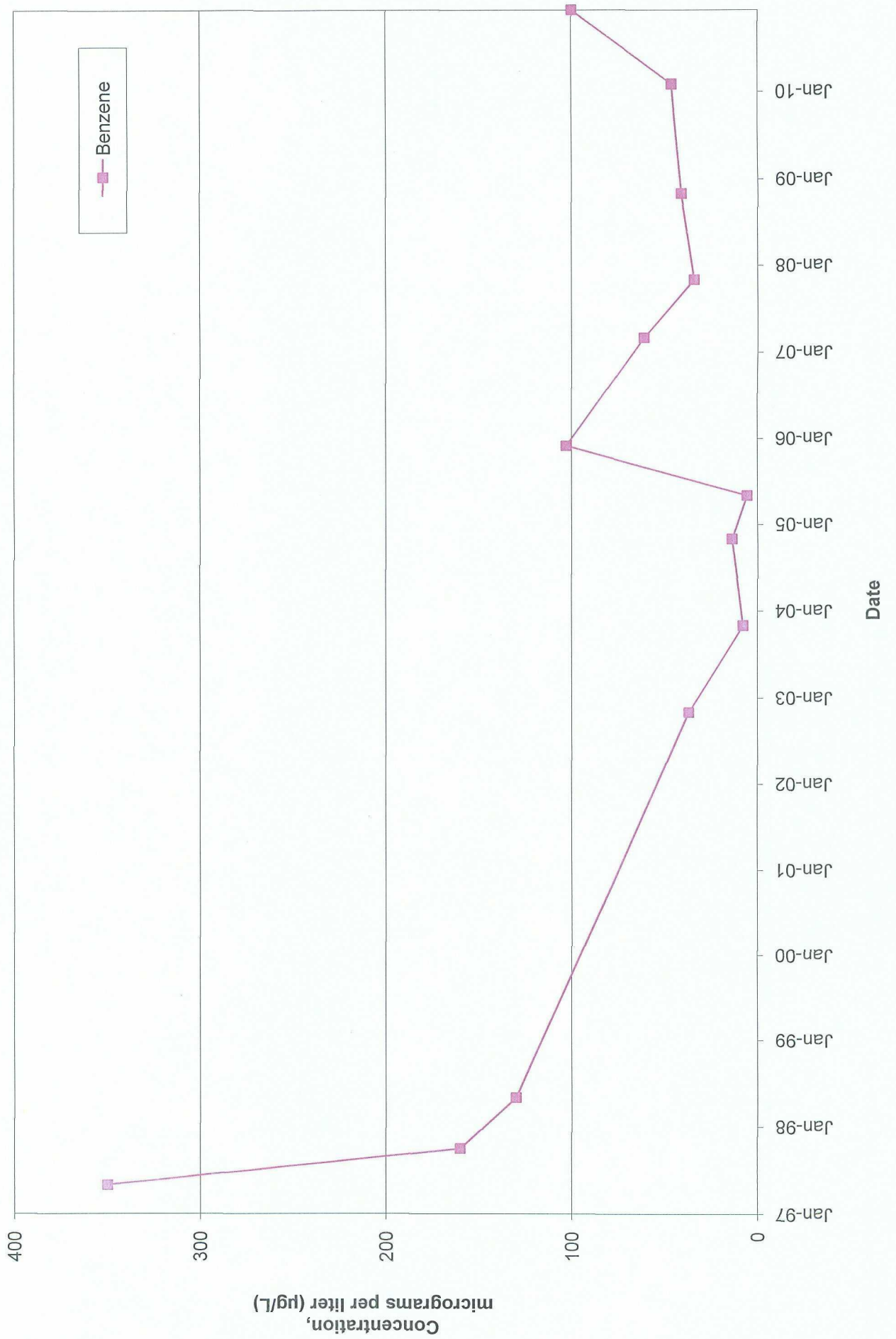
Graph 7 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-03



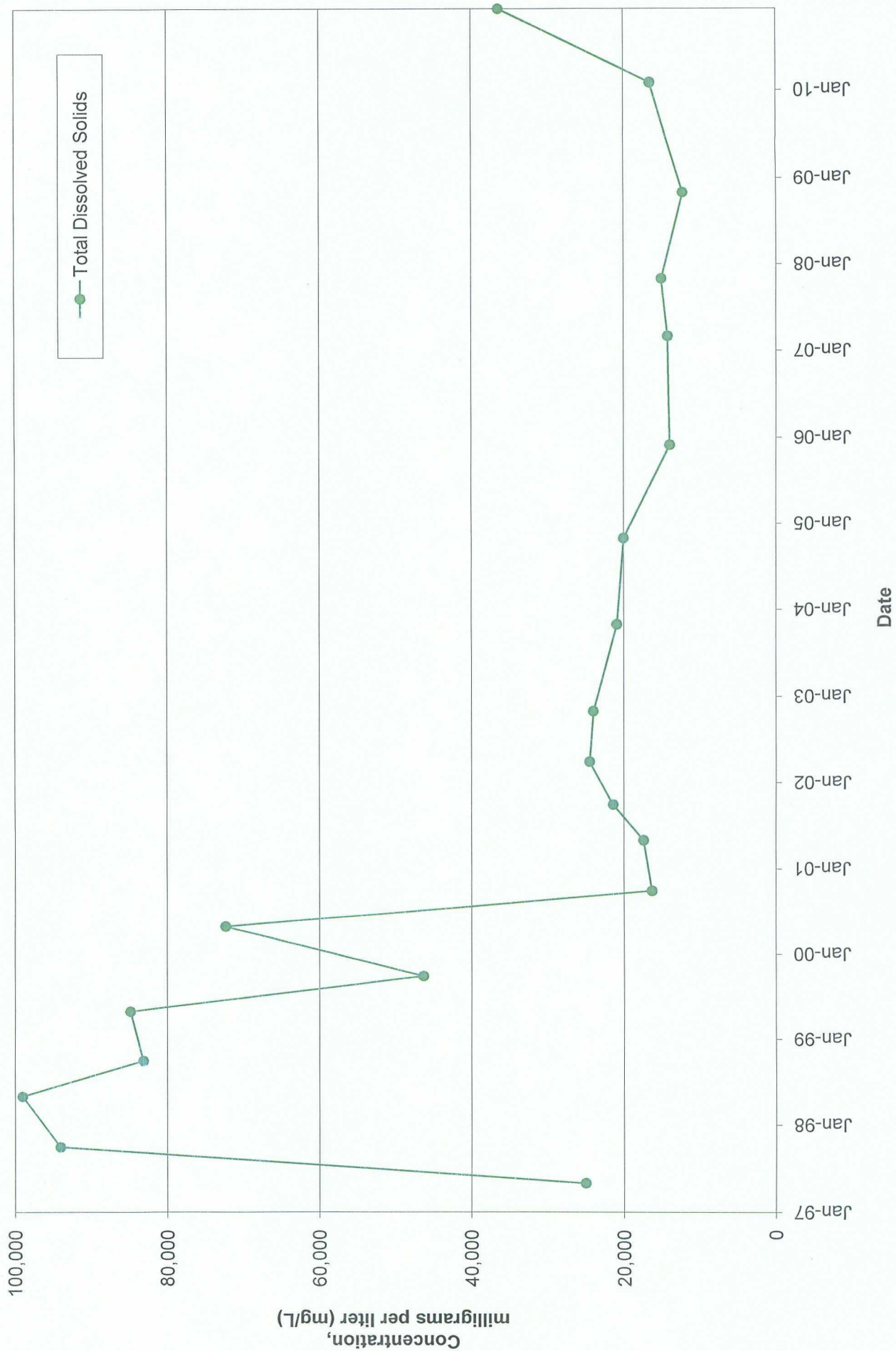
Graph 8 : Concentration Trends of Chloride and Sodium
in Groundwater Samples taken from Monitor Well ACW-03



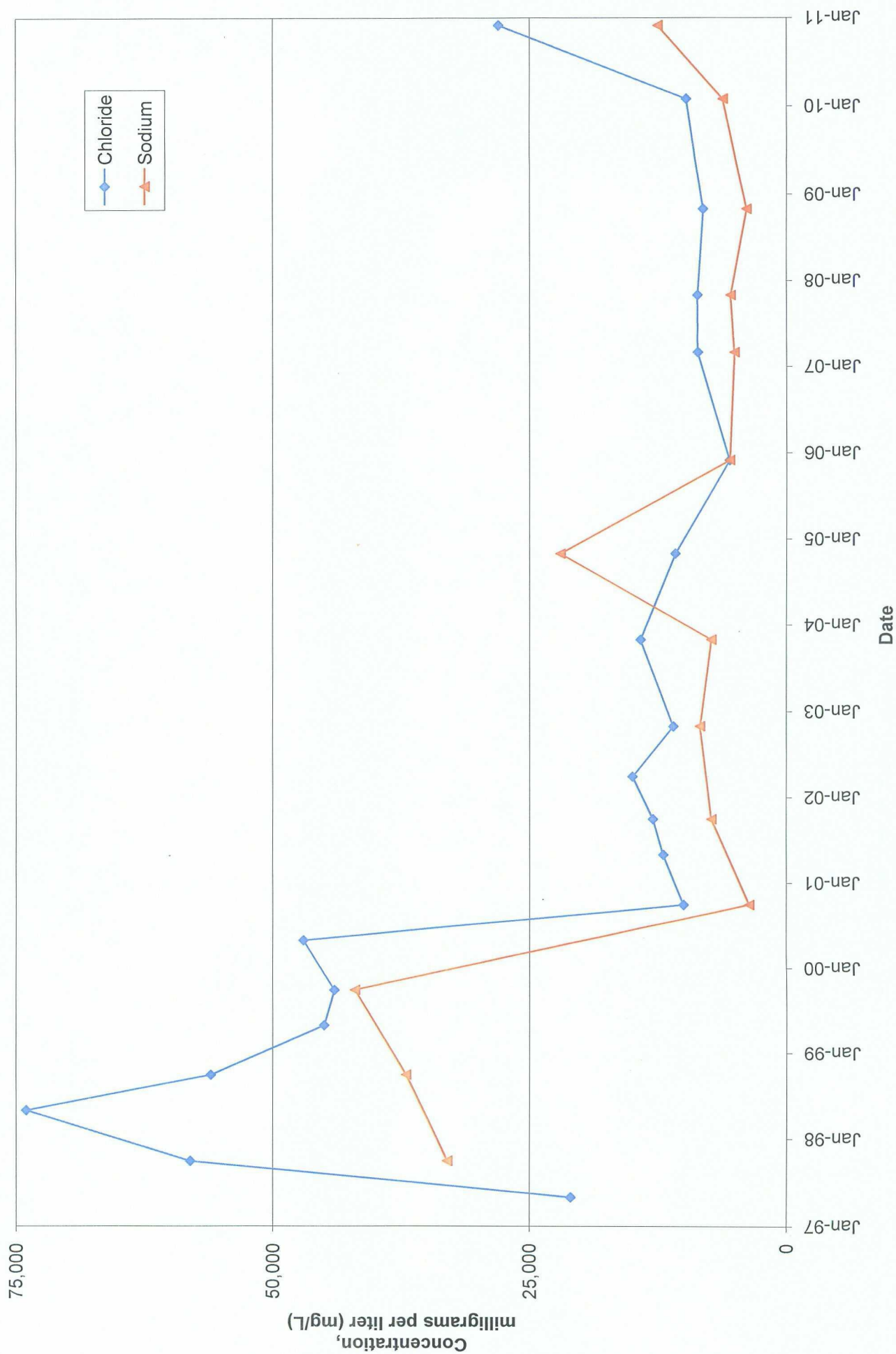
Graph 9 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-03



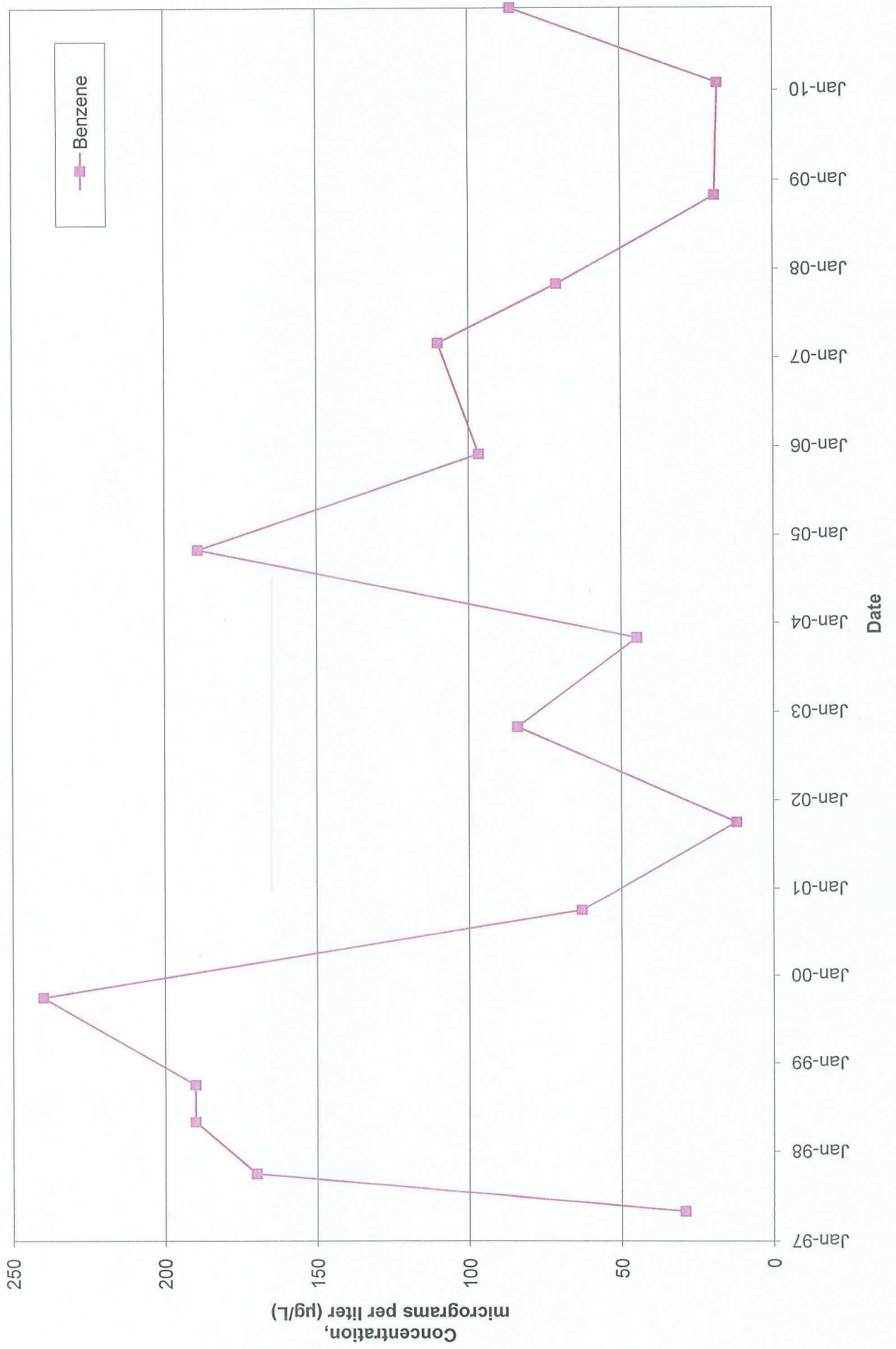
Graph 10 : Concentration Trend of Total Dissolved Solids in Groundwater Samples taken from Monitor Well ACW-04



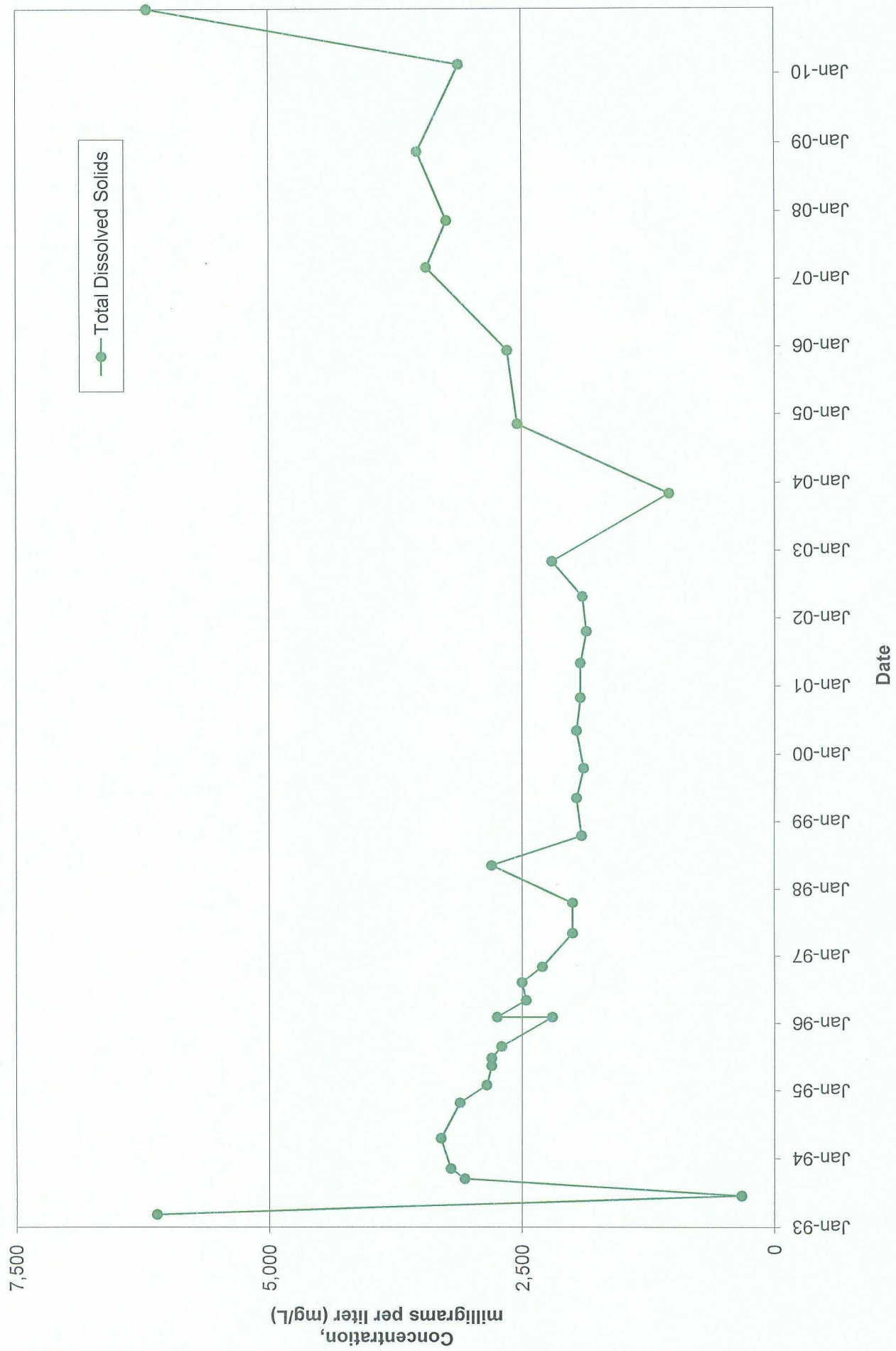
Graph 11 : Concentration Trends of Chloride and Sodium
in Groundwater Samples taken from Monitor Well ACW-04



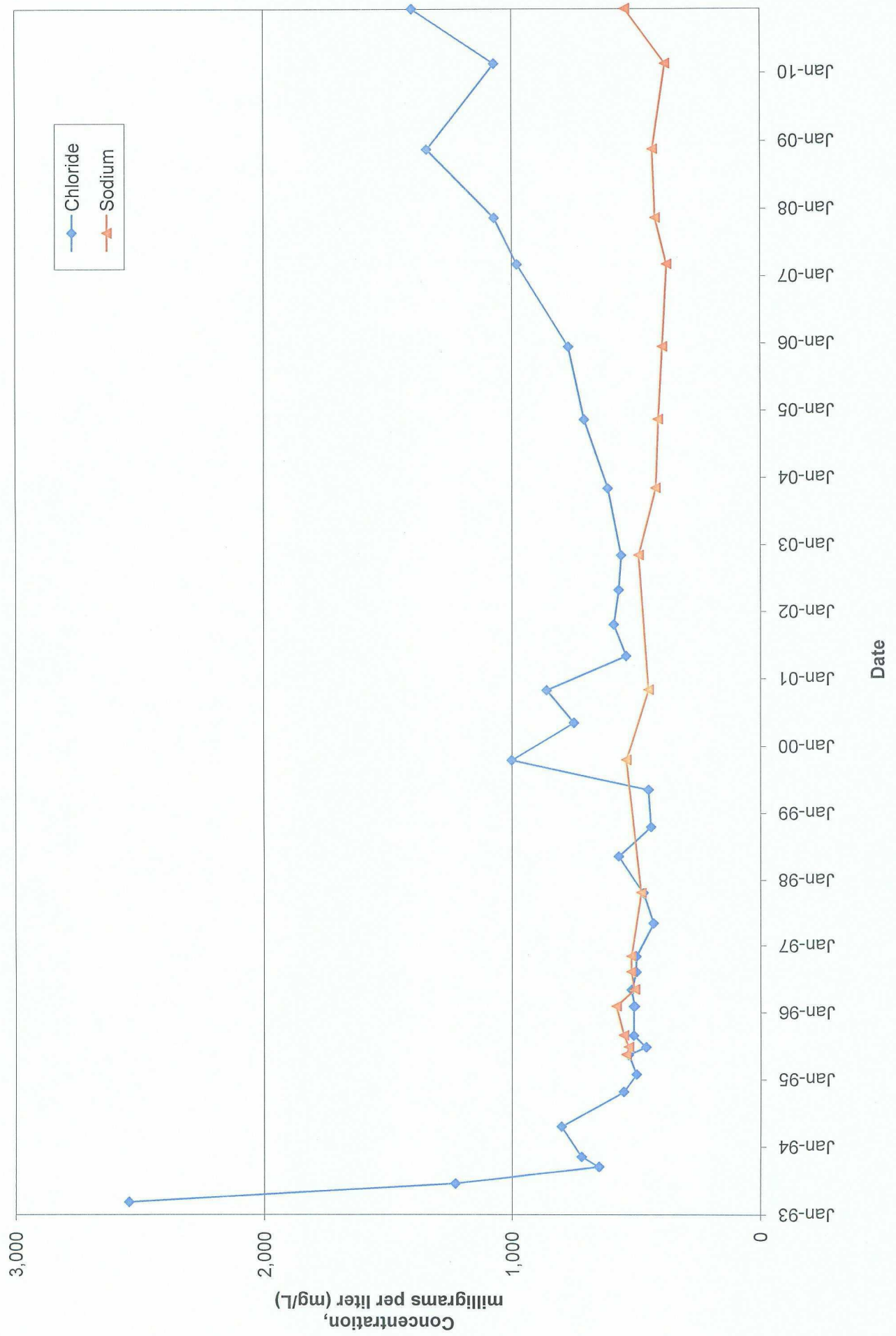
Graph 12 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-04



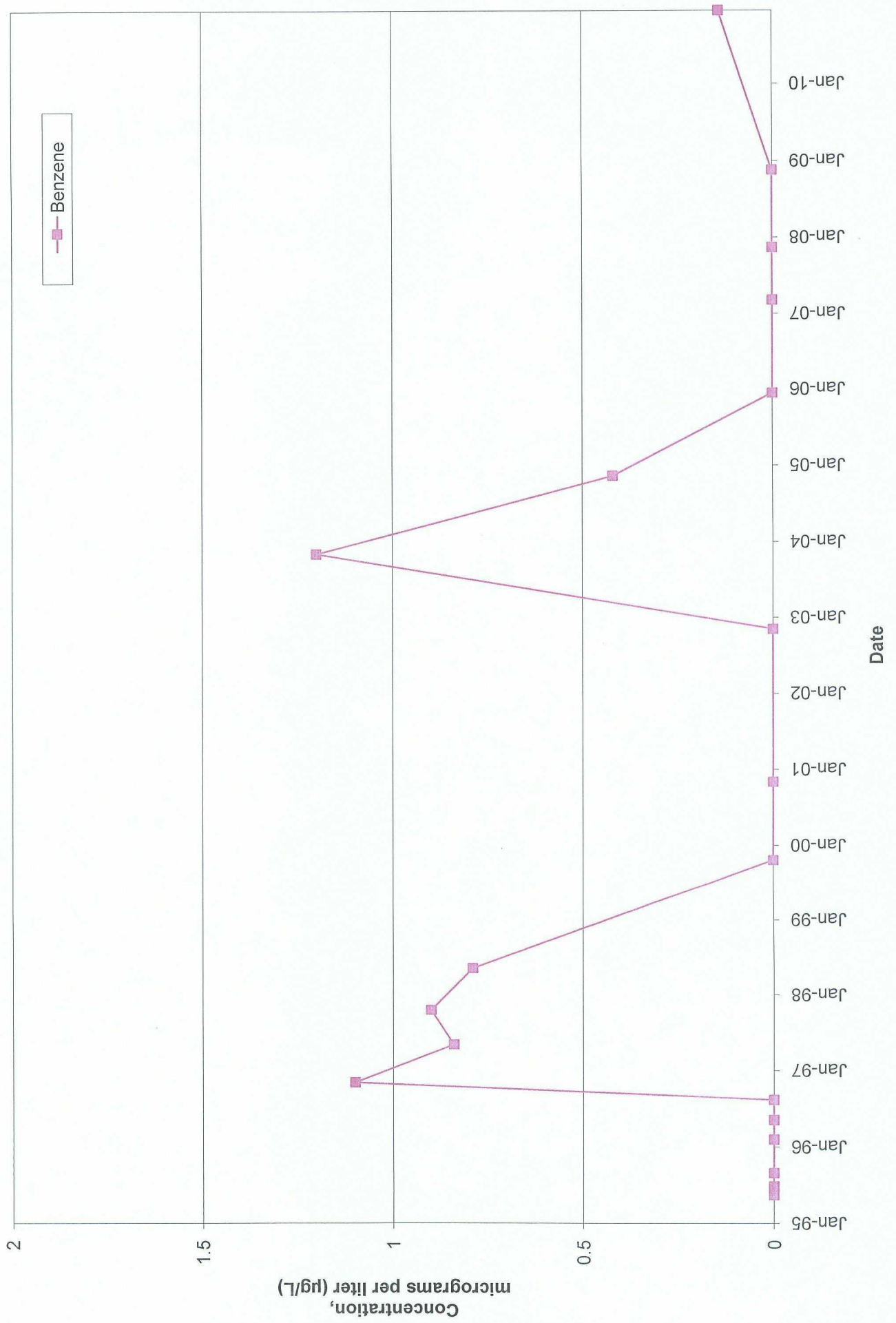
Graph 13 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-05



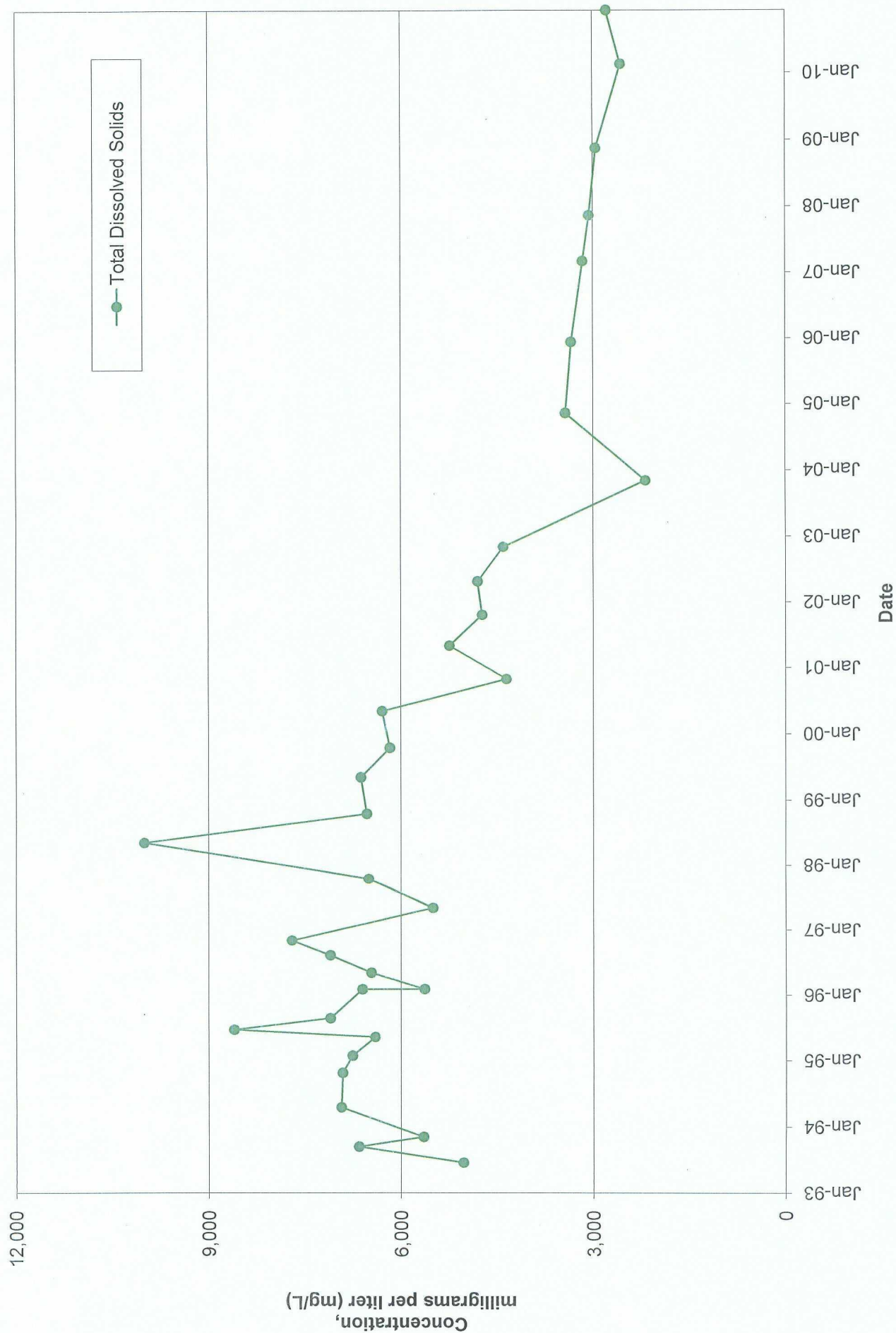
Graph 14 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-05



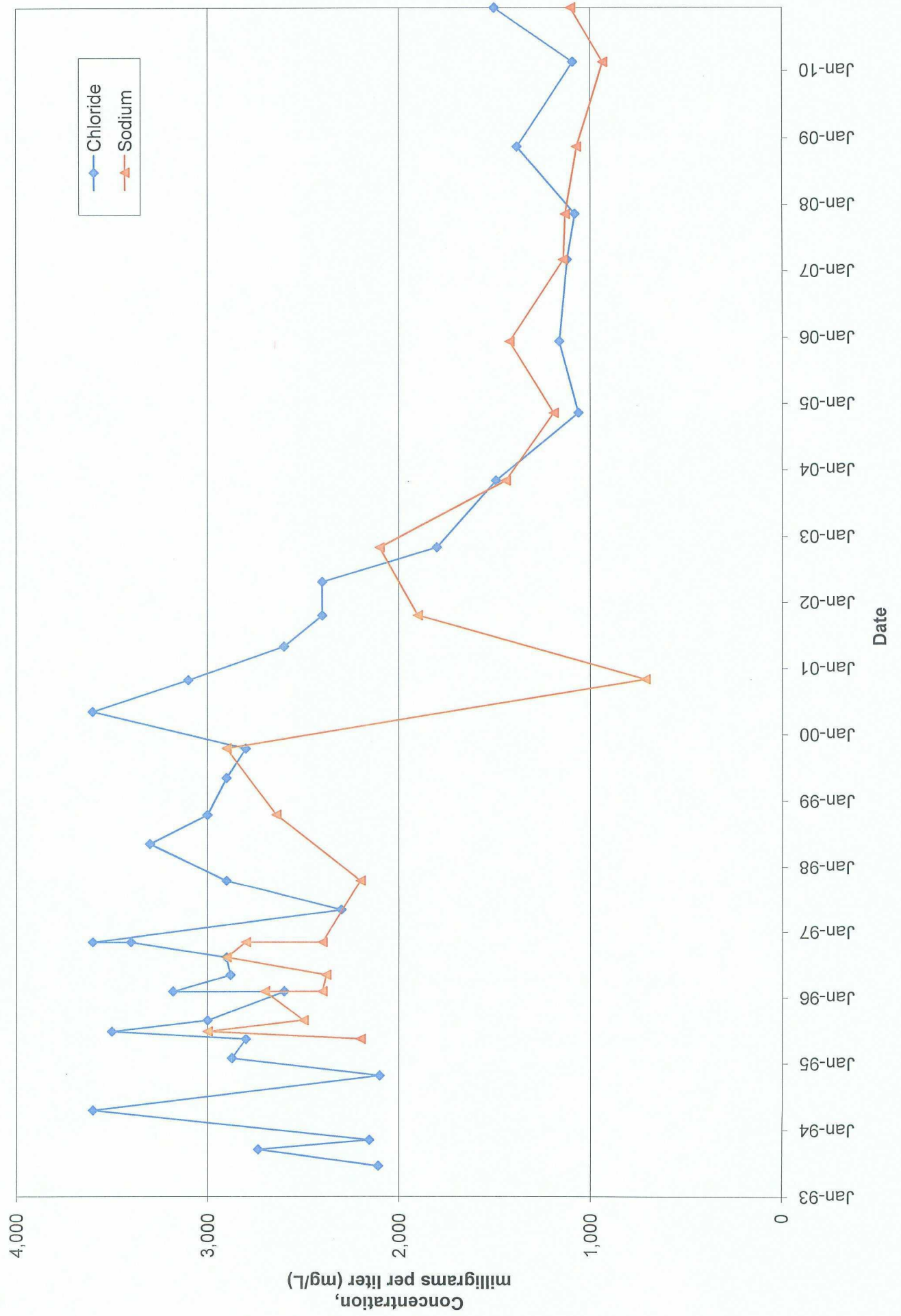
Graph 15 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-05



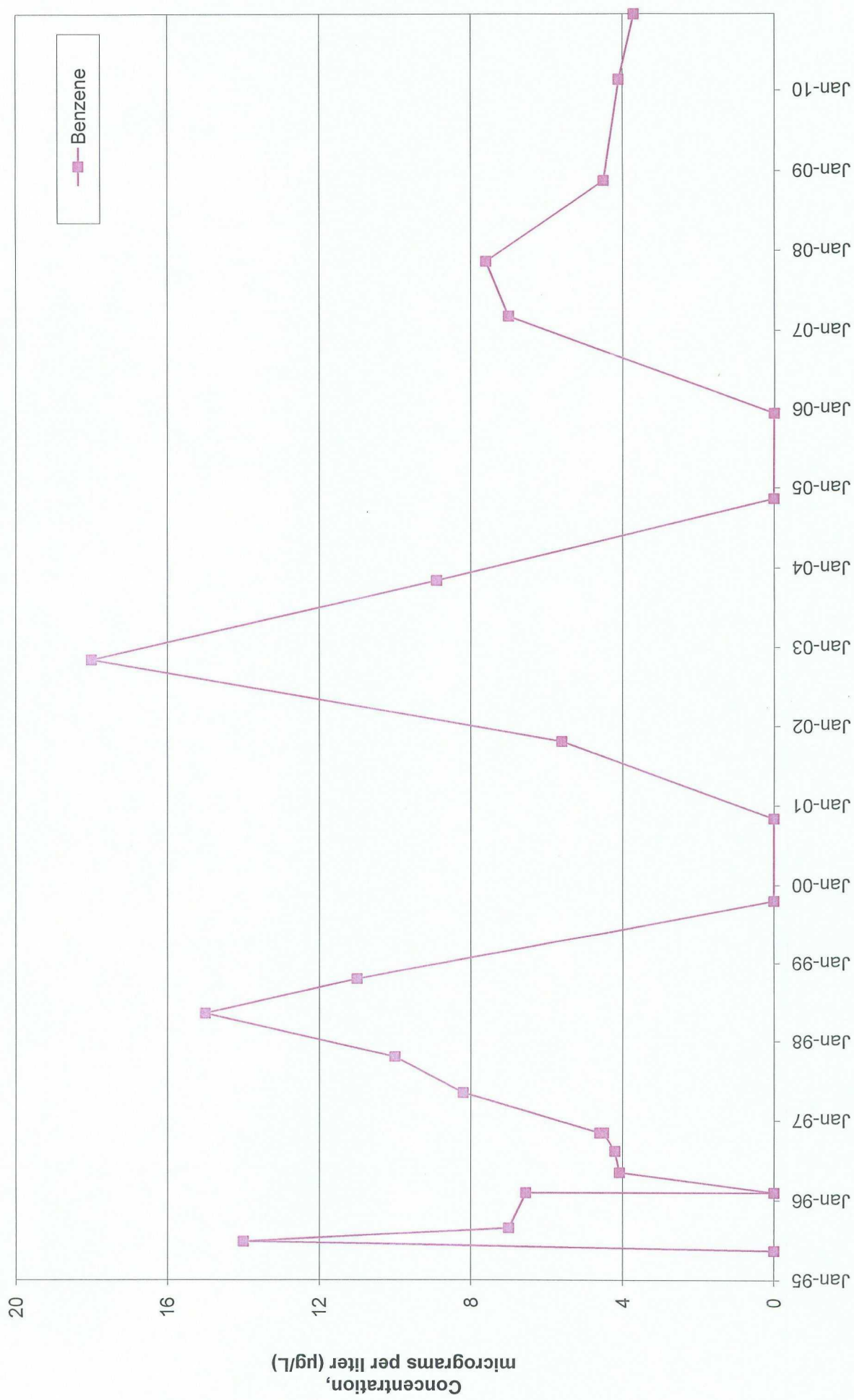
Graph 16 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-06



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

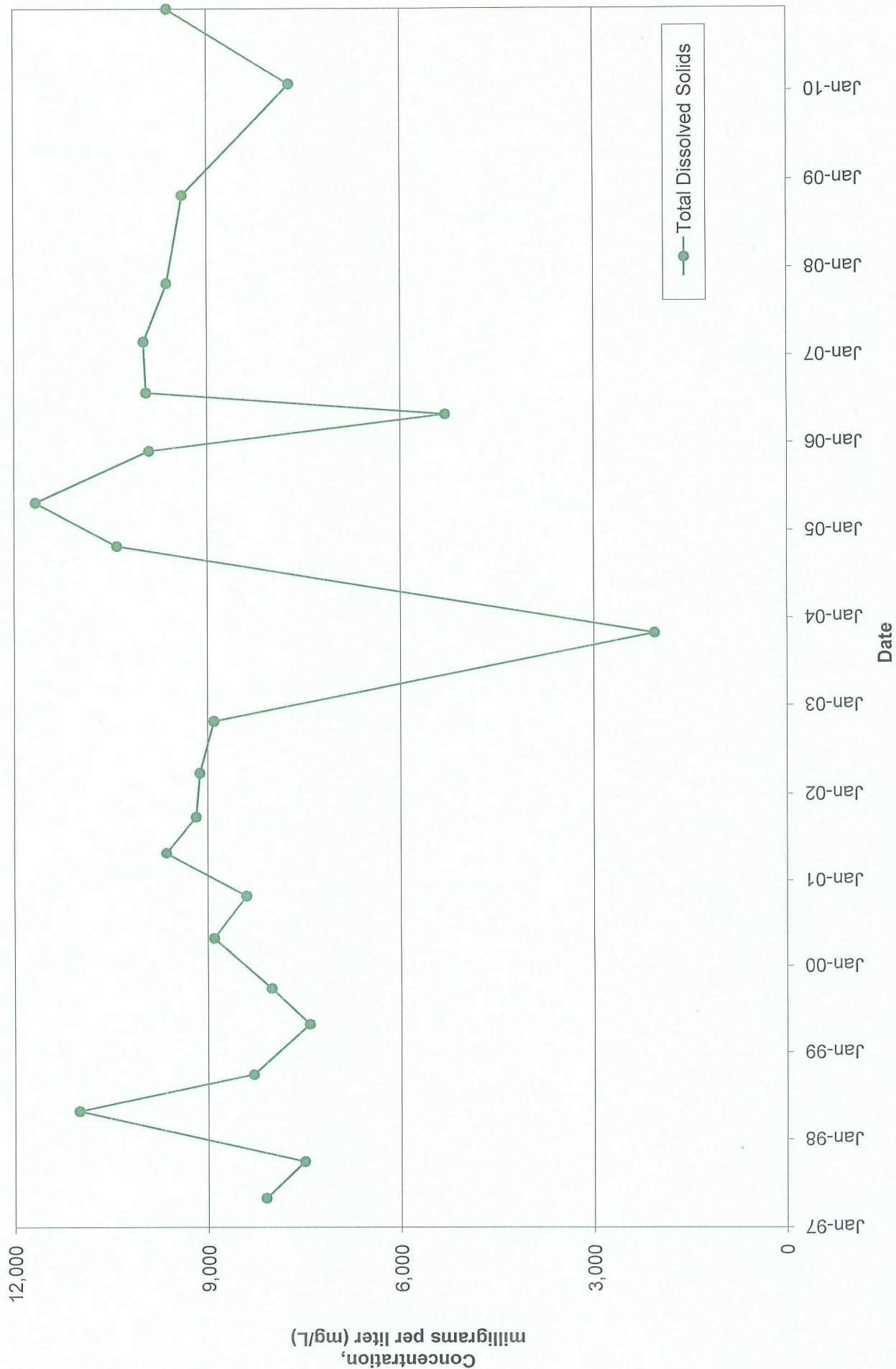


Graph 18 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-06

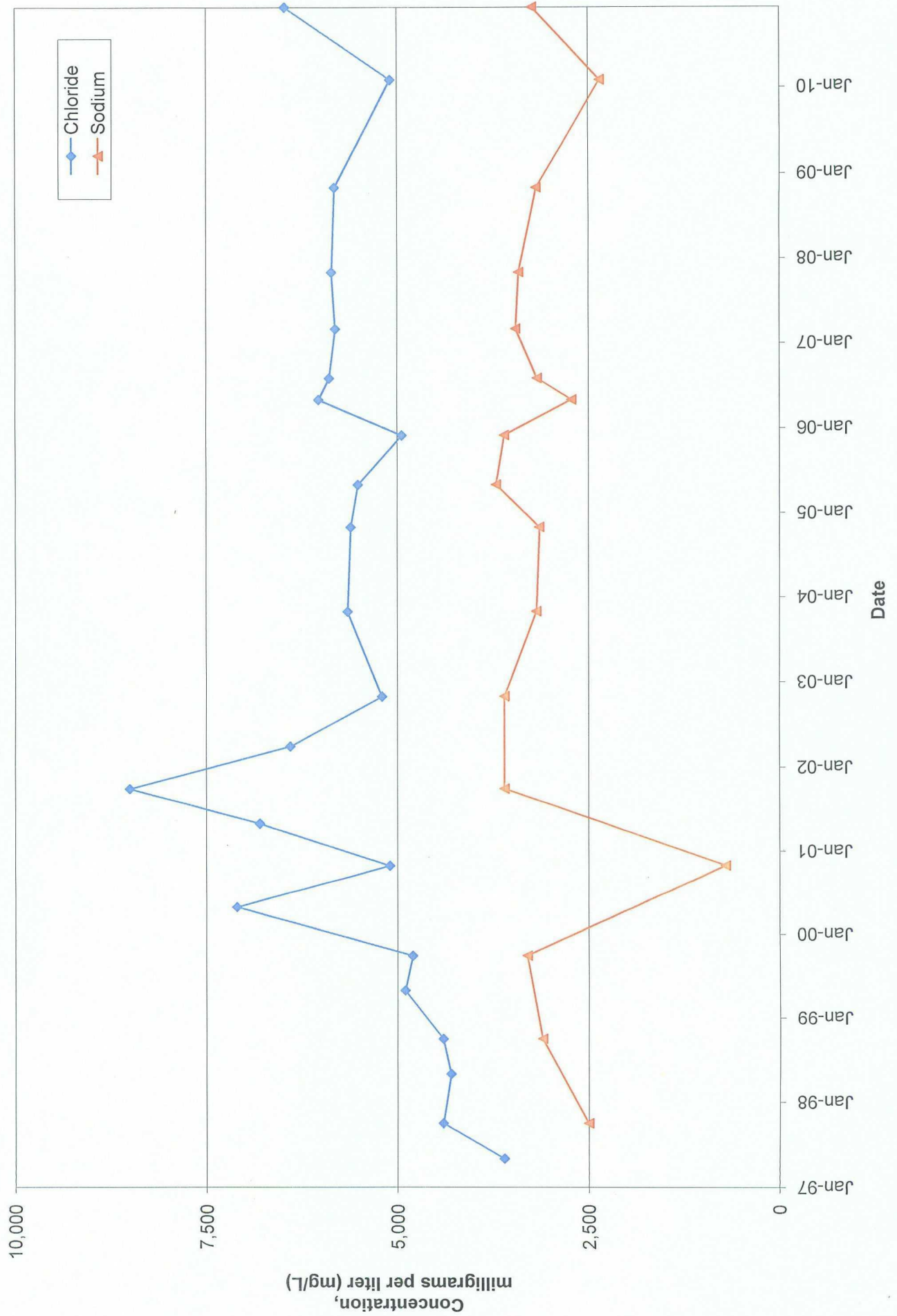


A zero (0) has been plotted for results less than the laboratory reporting limit.

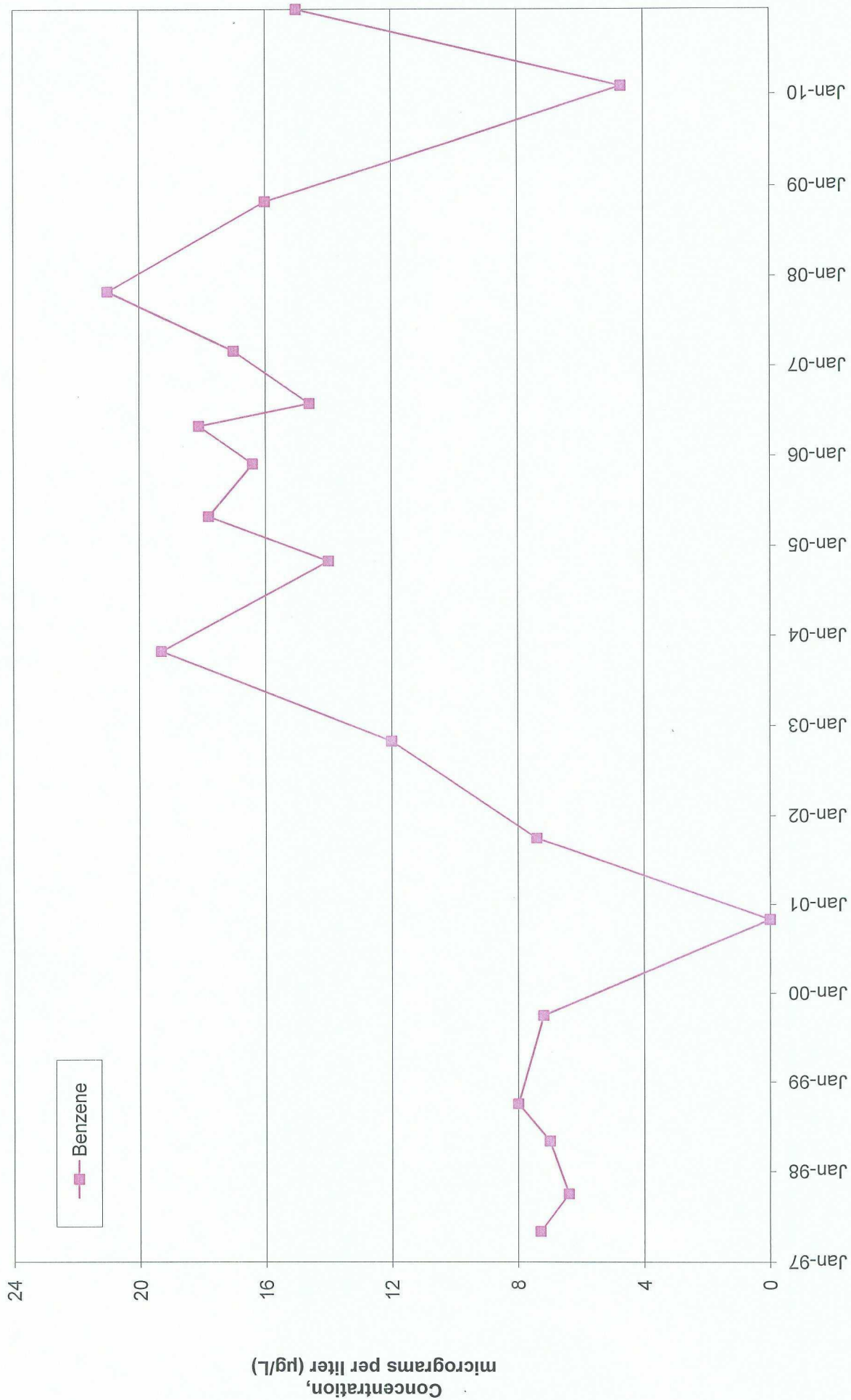
Graph 19 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-07



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



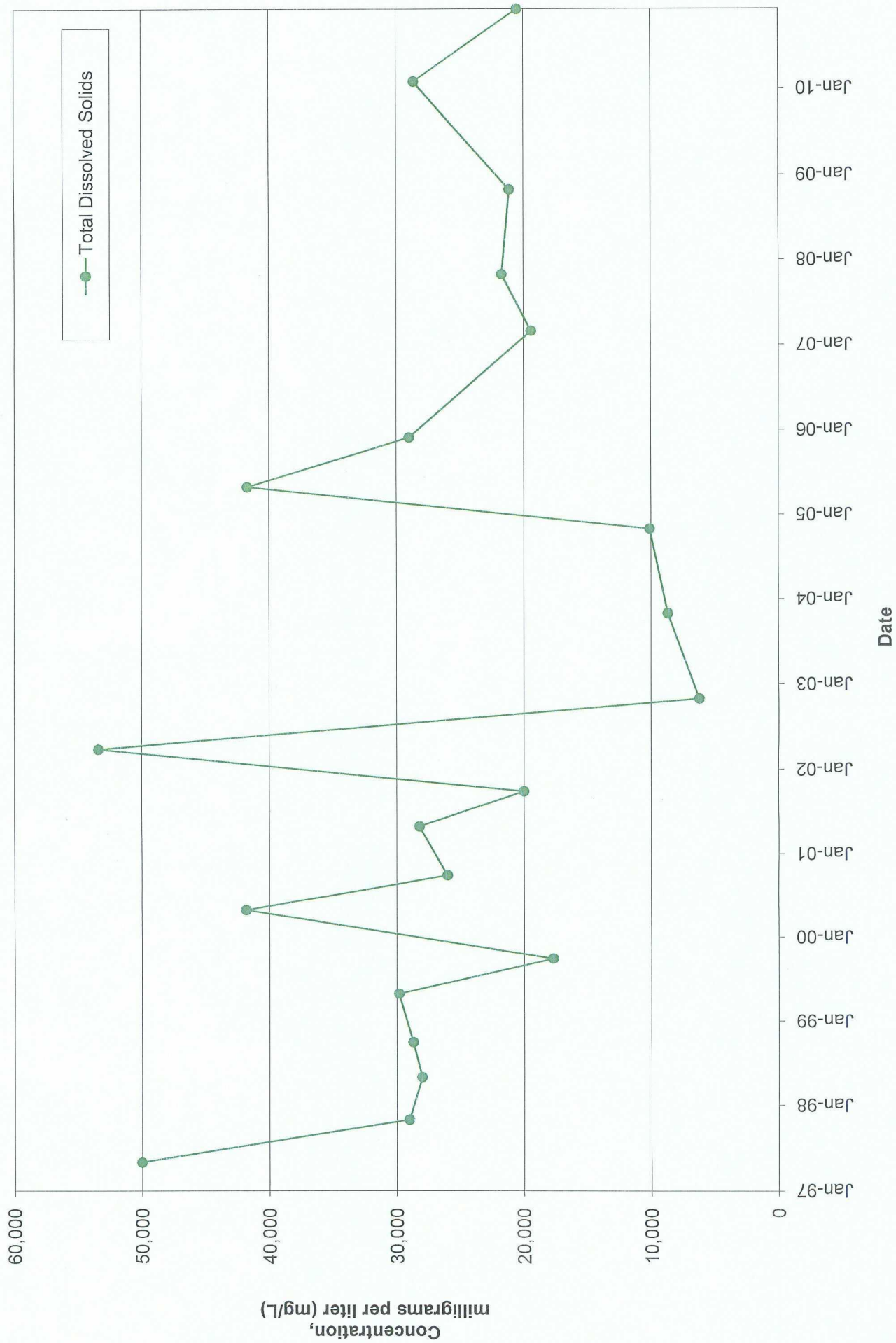
Graph 21 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-07



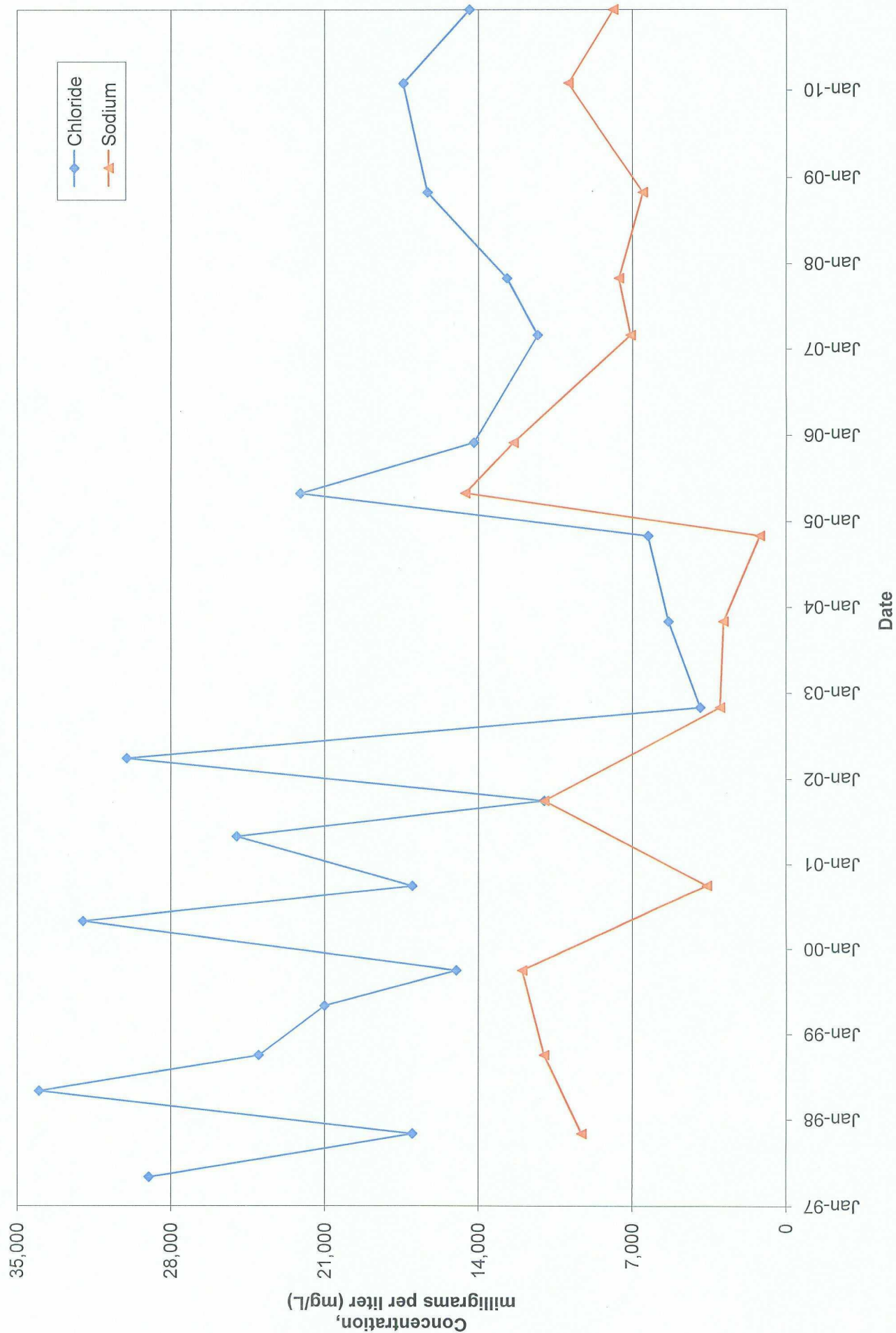
Date

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

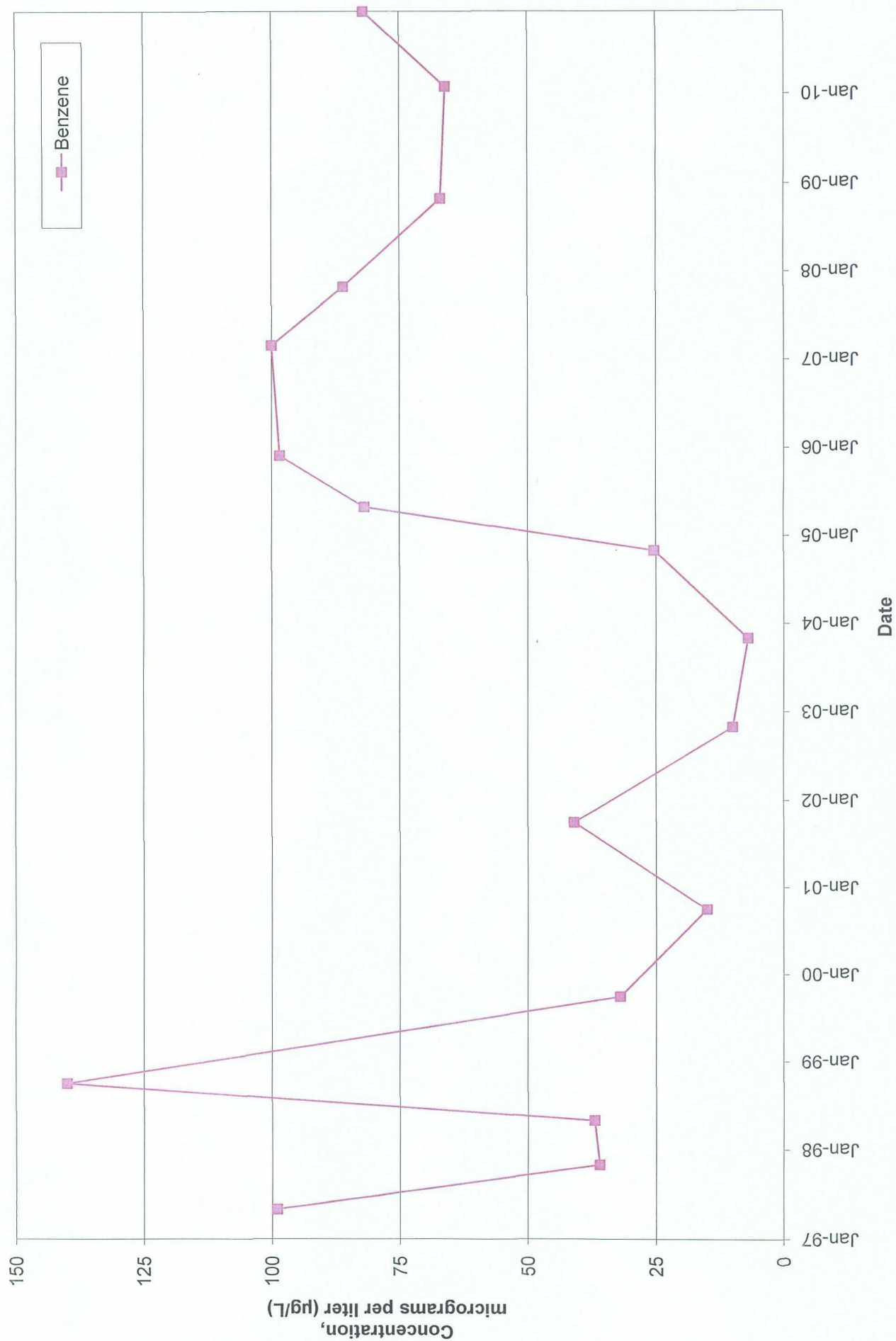
Graph 22 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-08



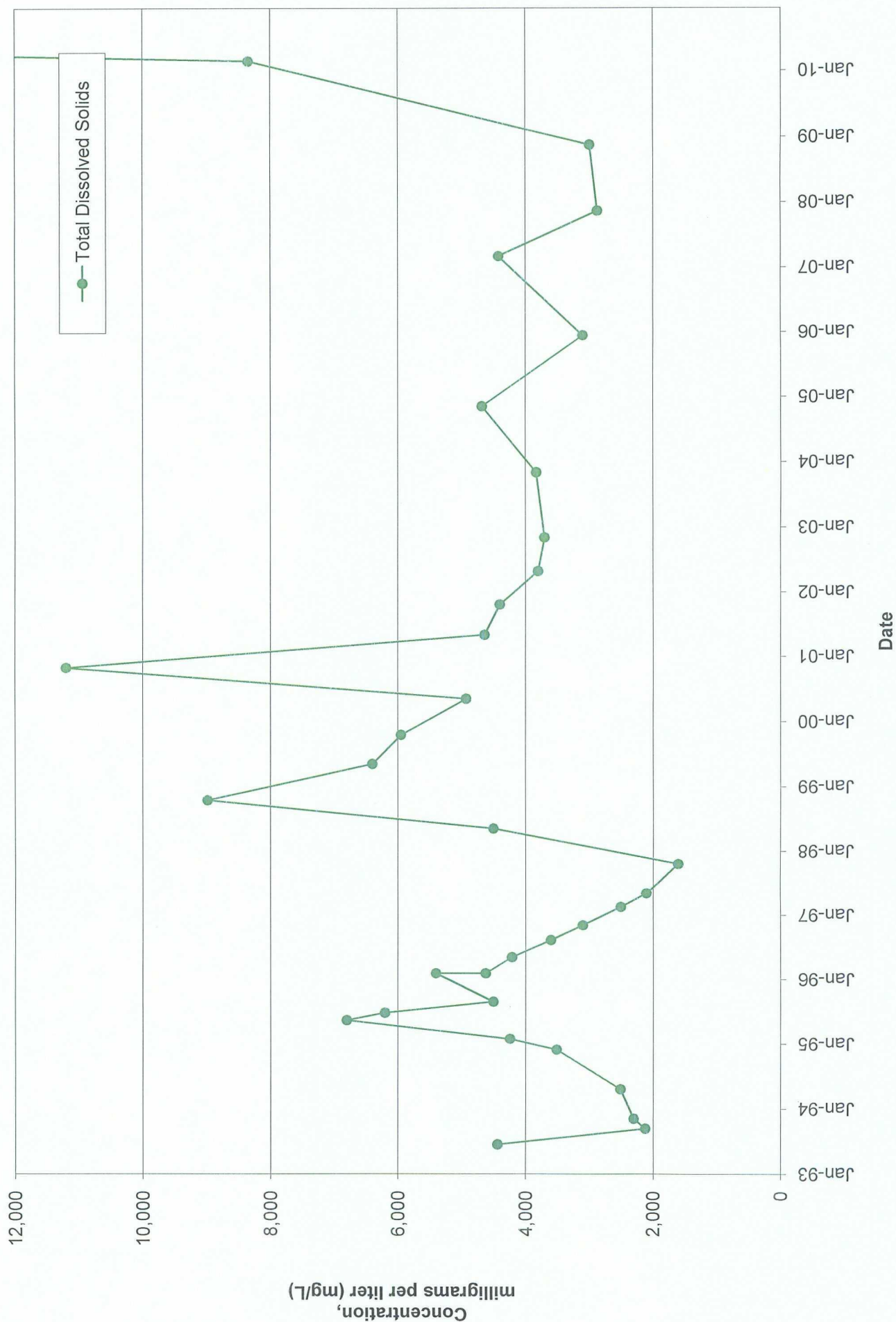
Graph 23 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-08



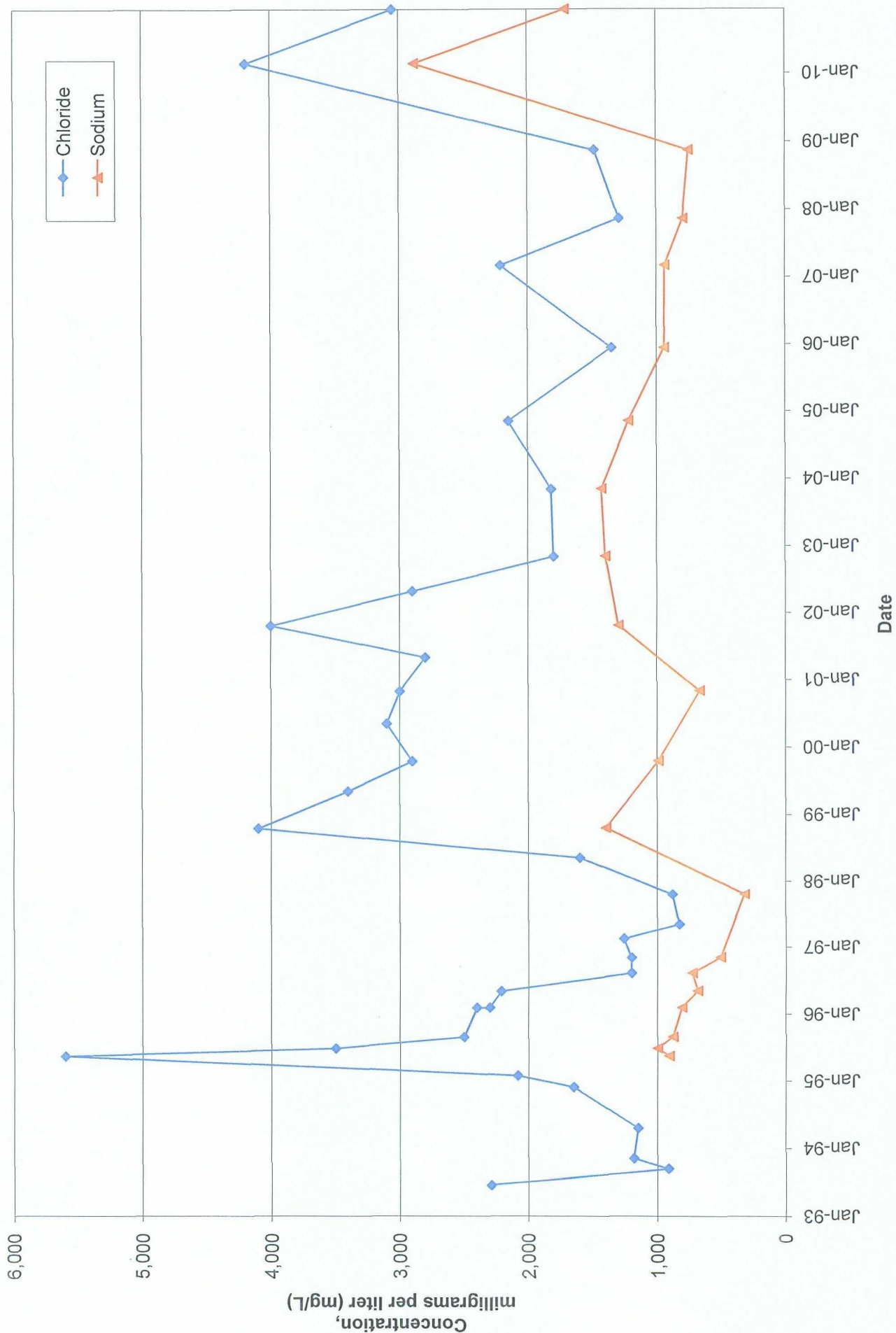
Graph 24 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-08



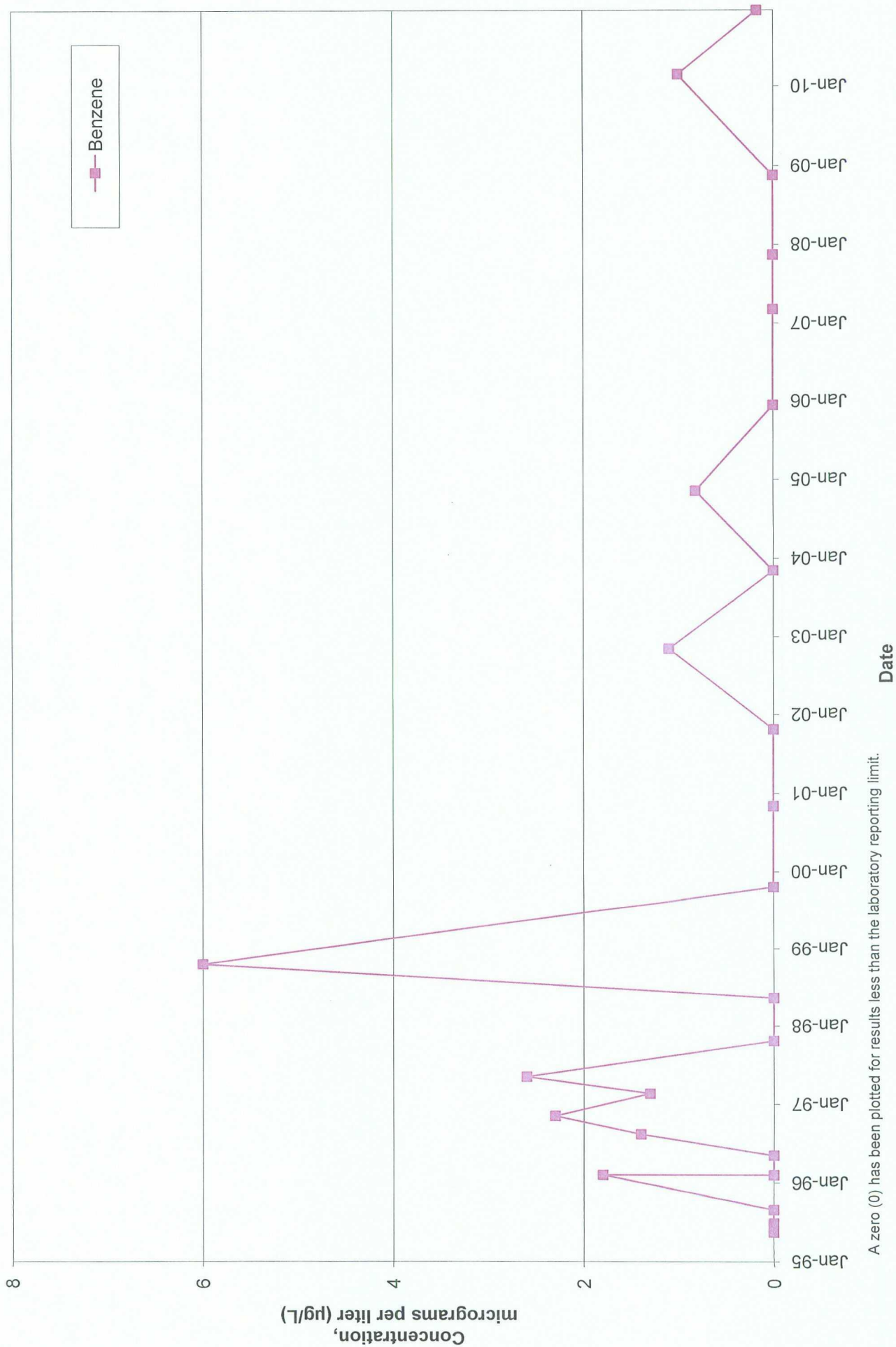
Graph 25 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-09



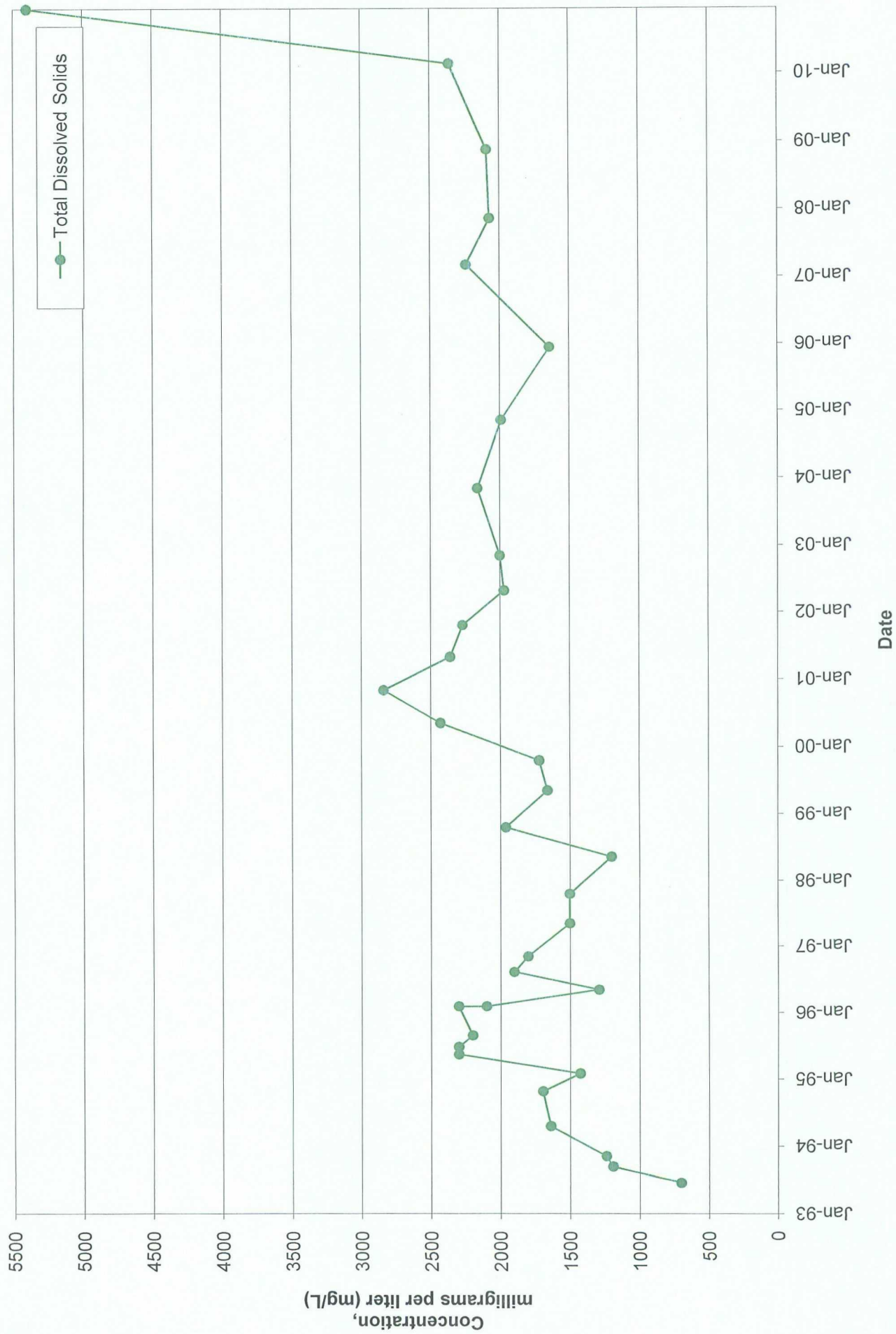
Graph 26 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-09



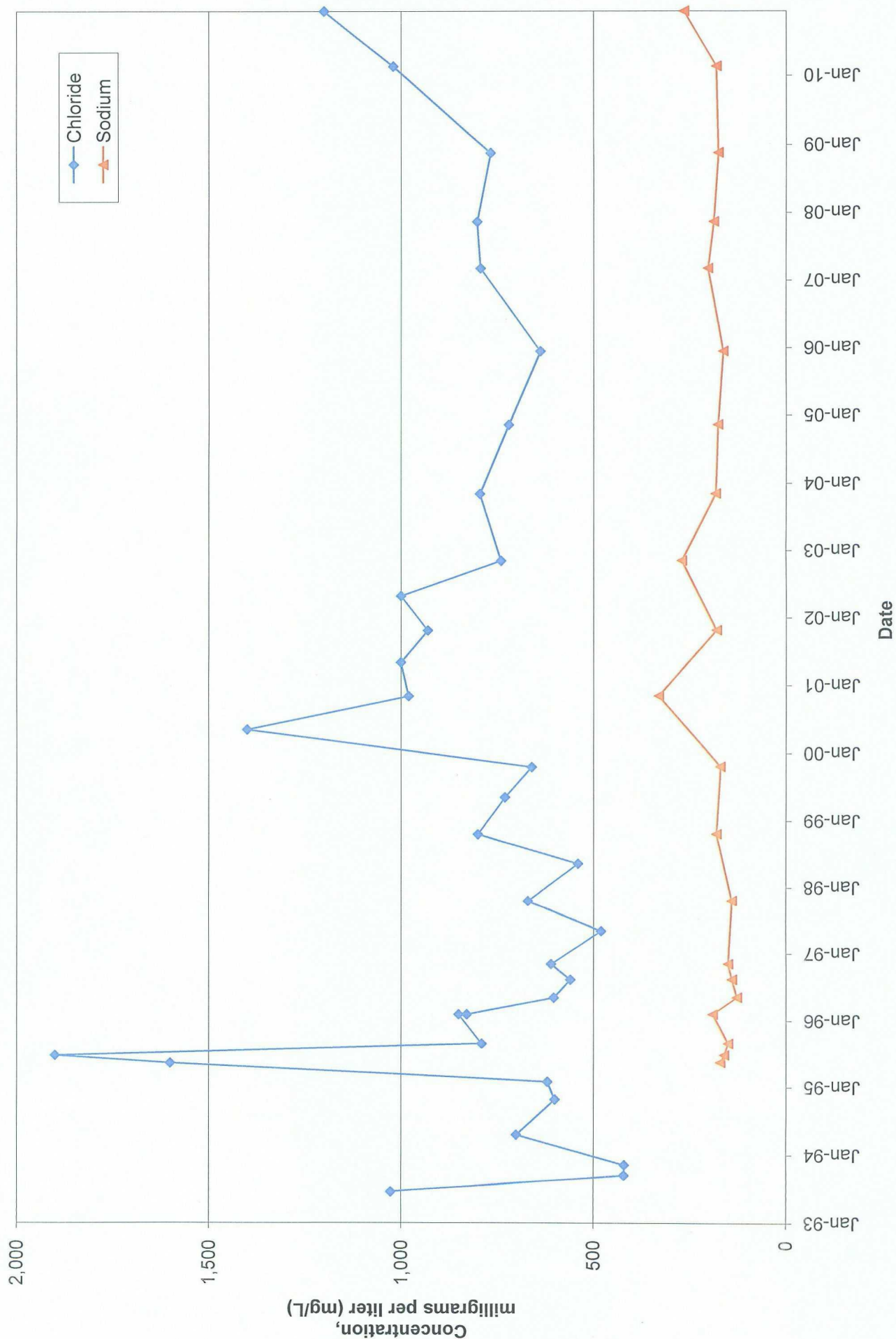
Graph 27 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-09



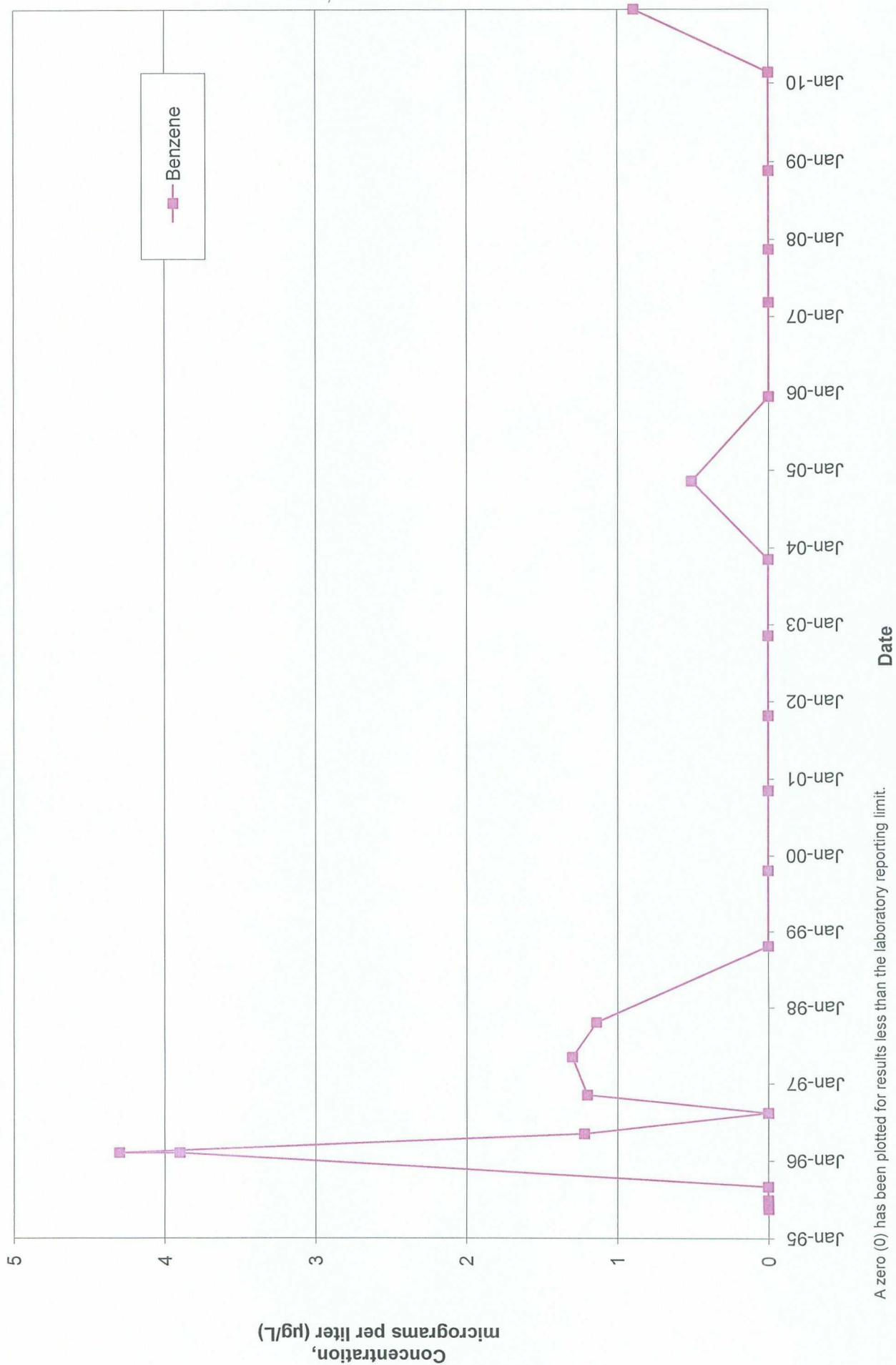
Graph 28 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-10



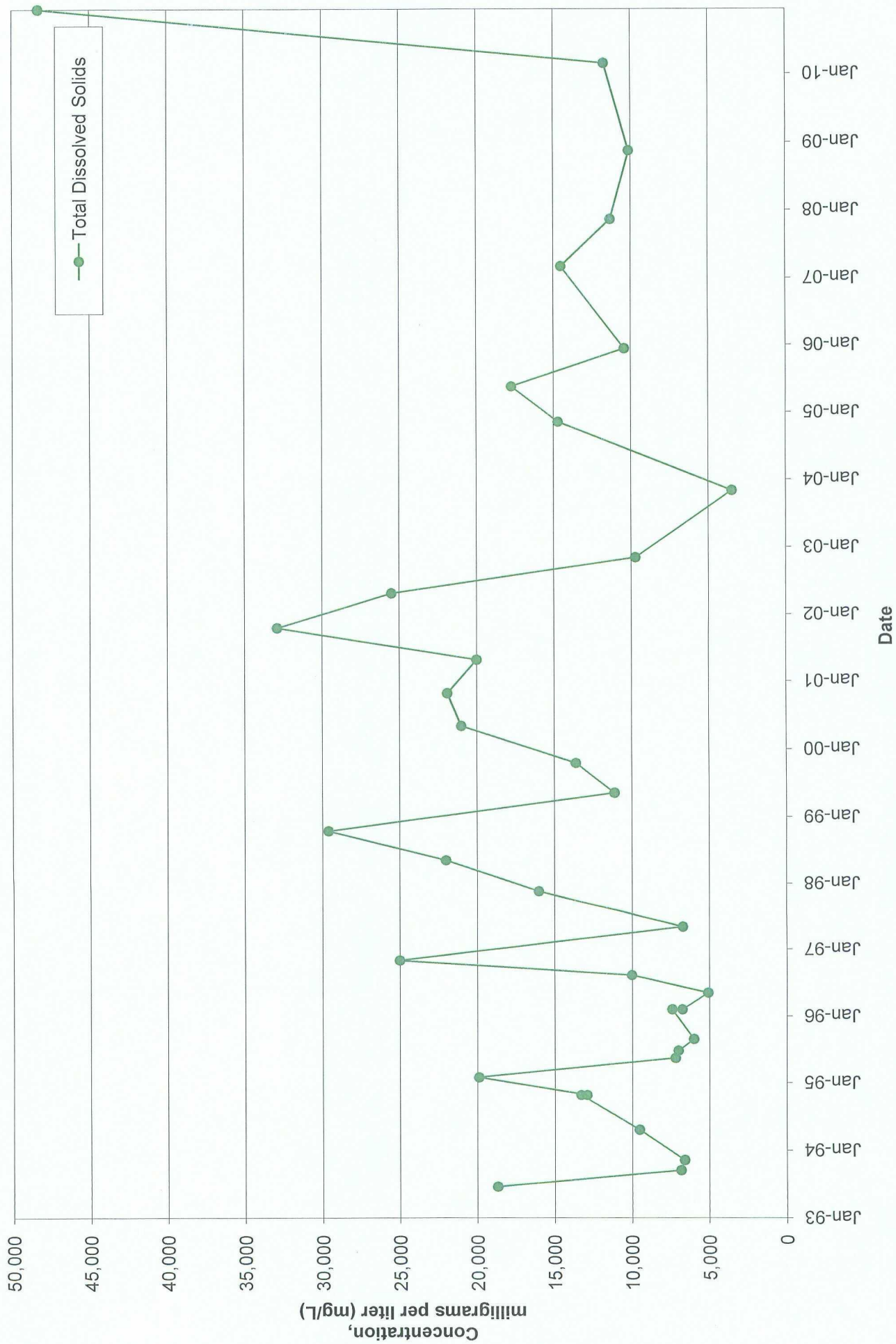
Graph 29 : Concentration Trends of Chloride and Sodium
in Groundwater Samples taken from Monitor Well ACW-10



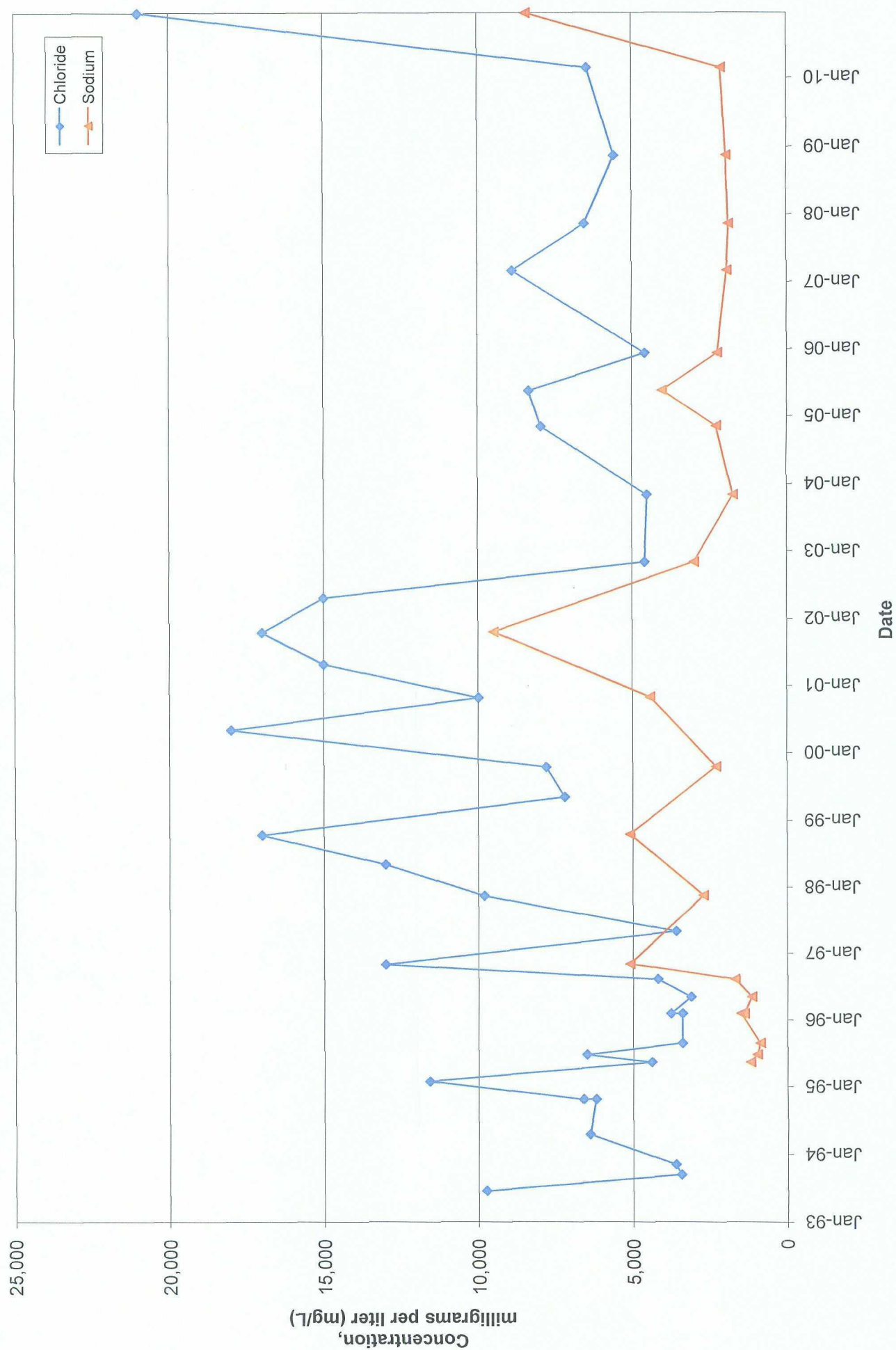
Graph 30 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-10



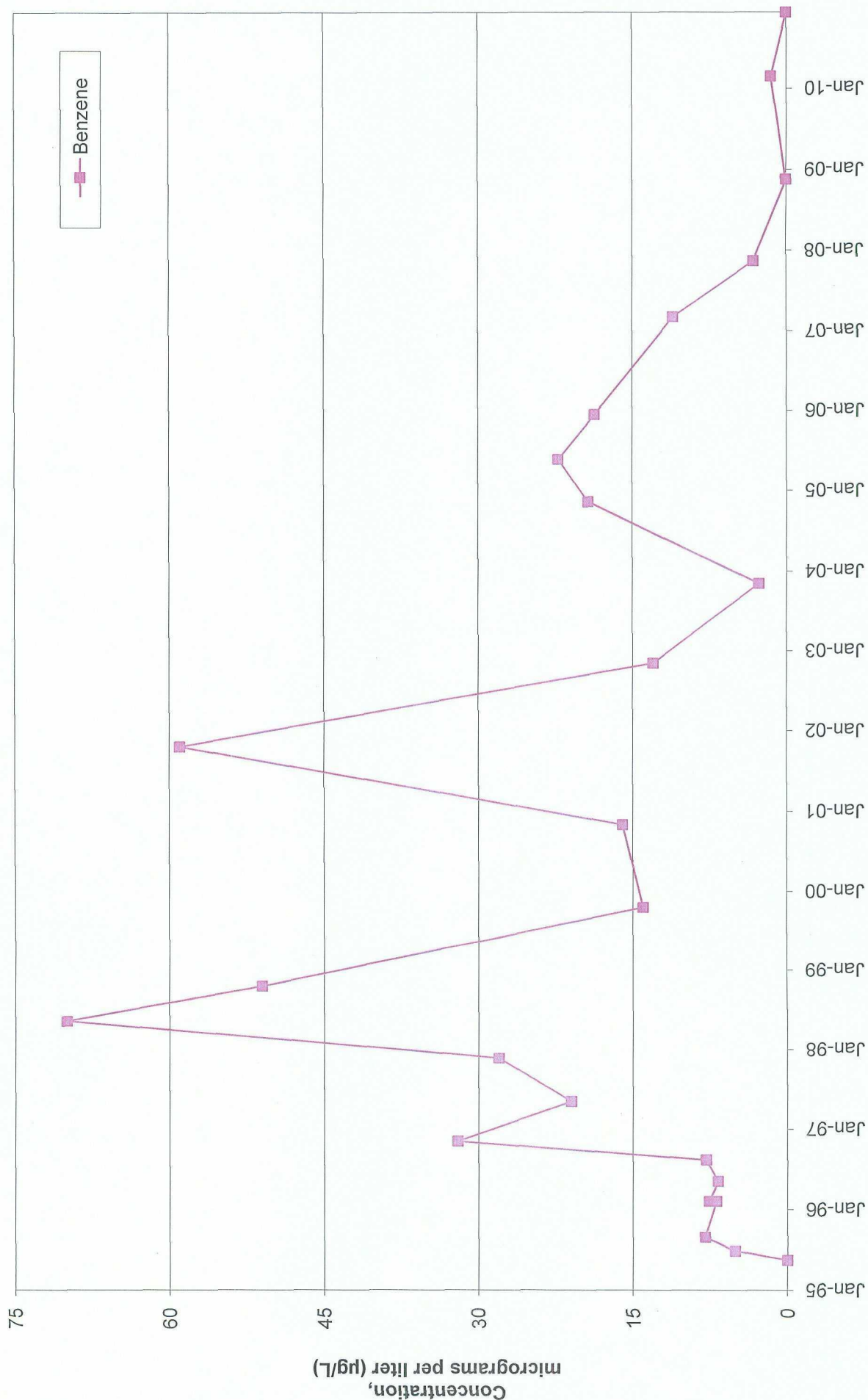
Graph 31 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-11



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

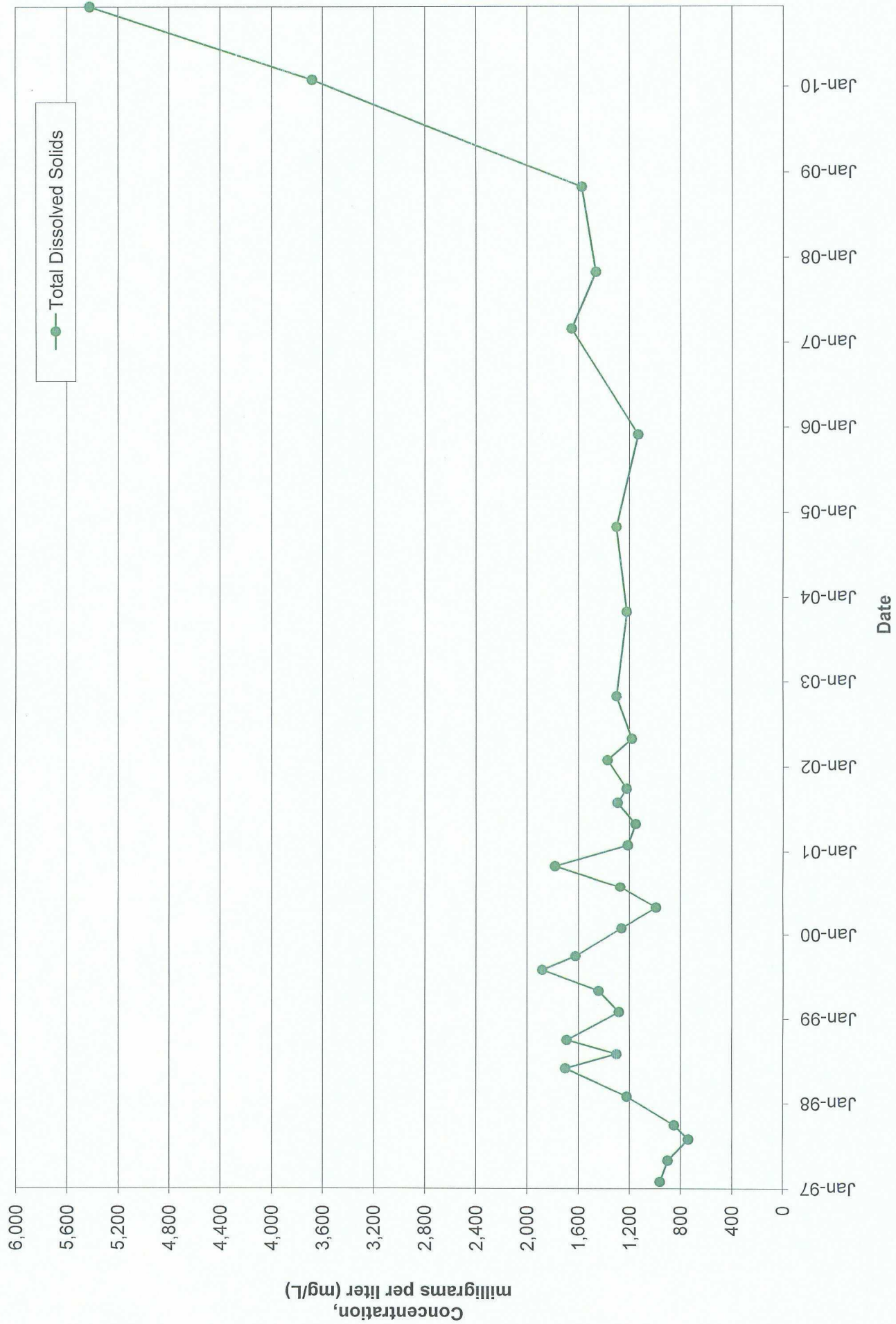


Graph 33 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-11

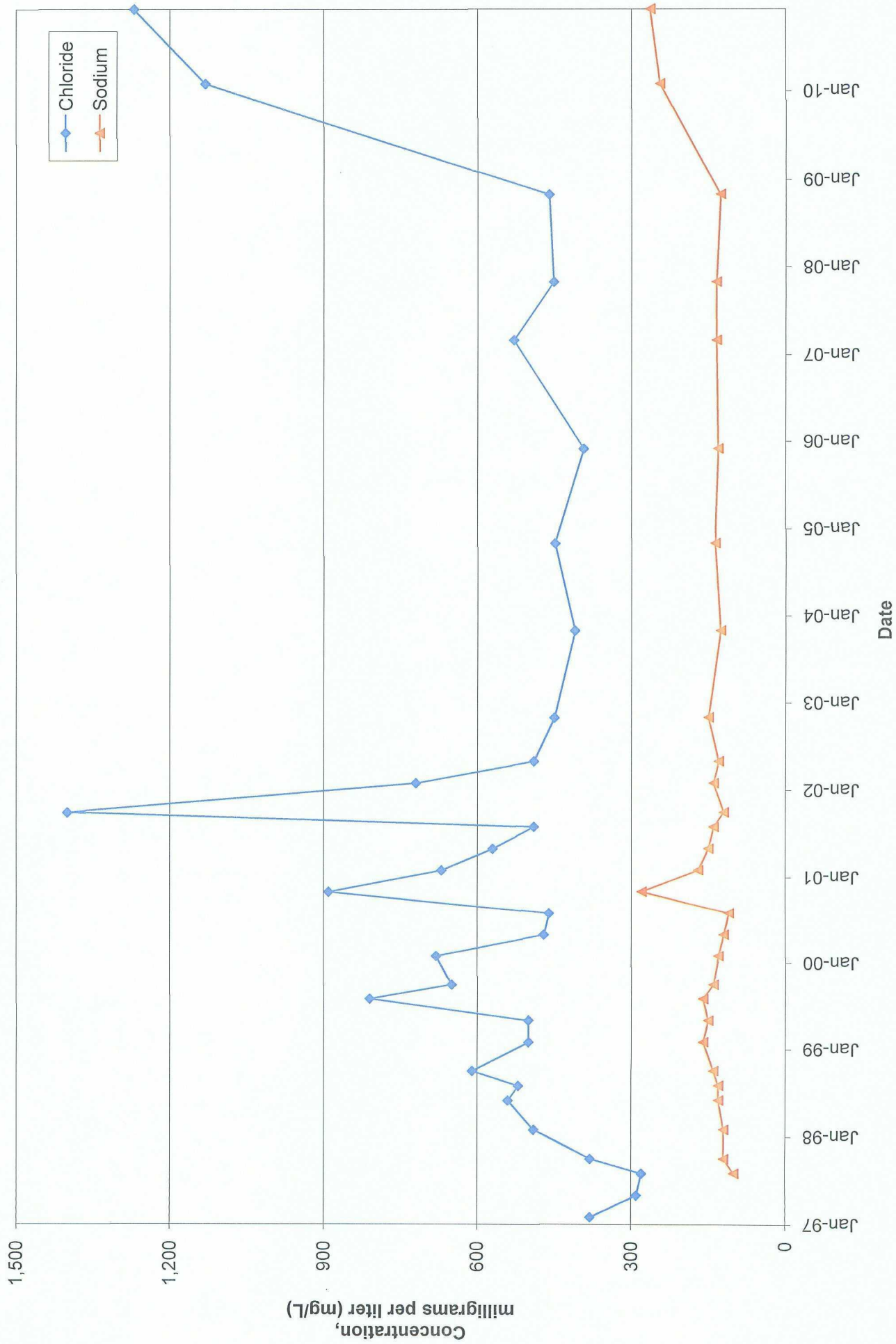


A zero (0) has been plotted for results less than the laboratory reporting limit.

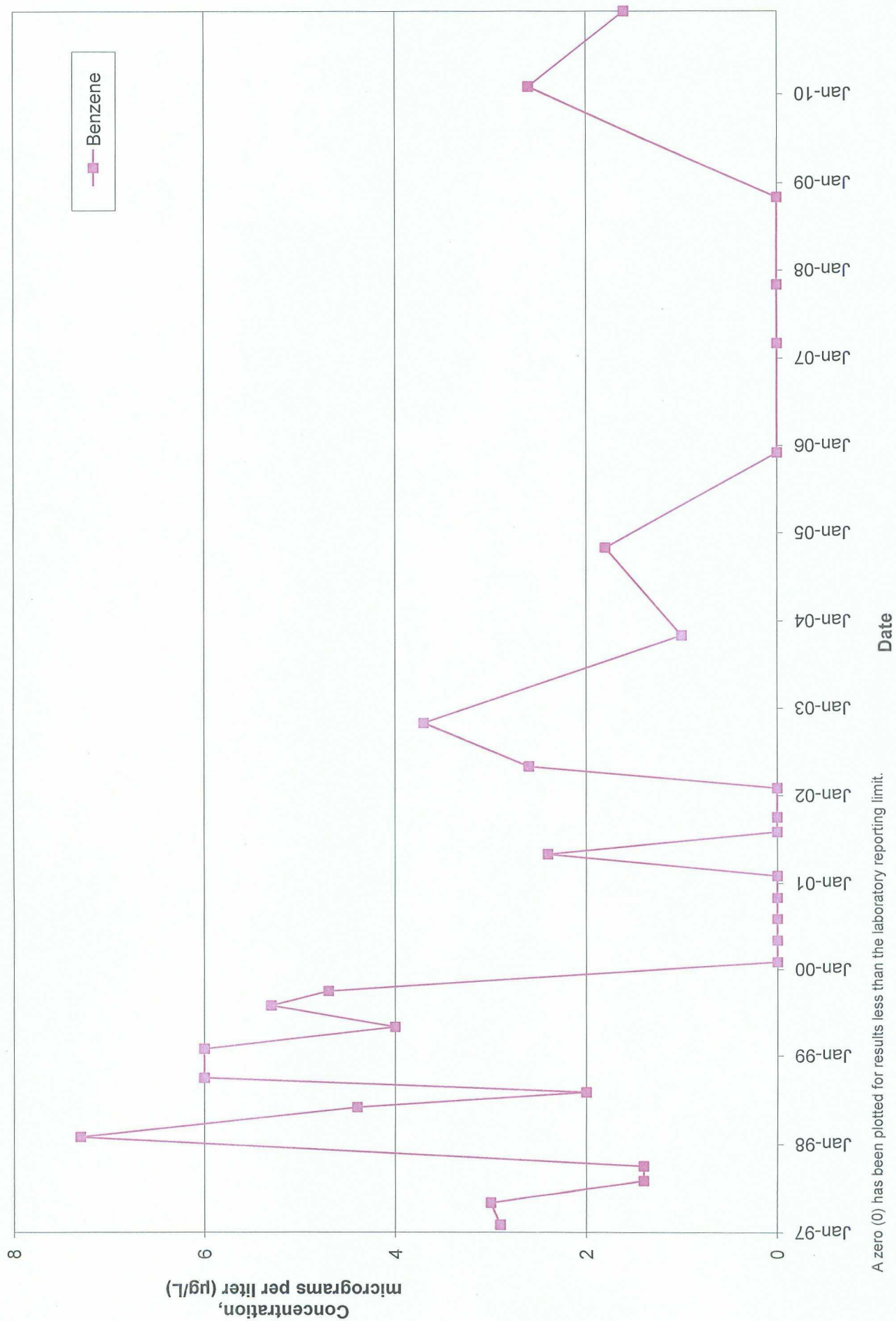
Graph 34 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-12



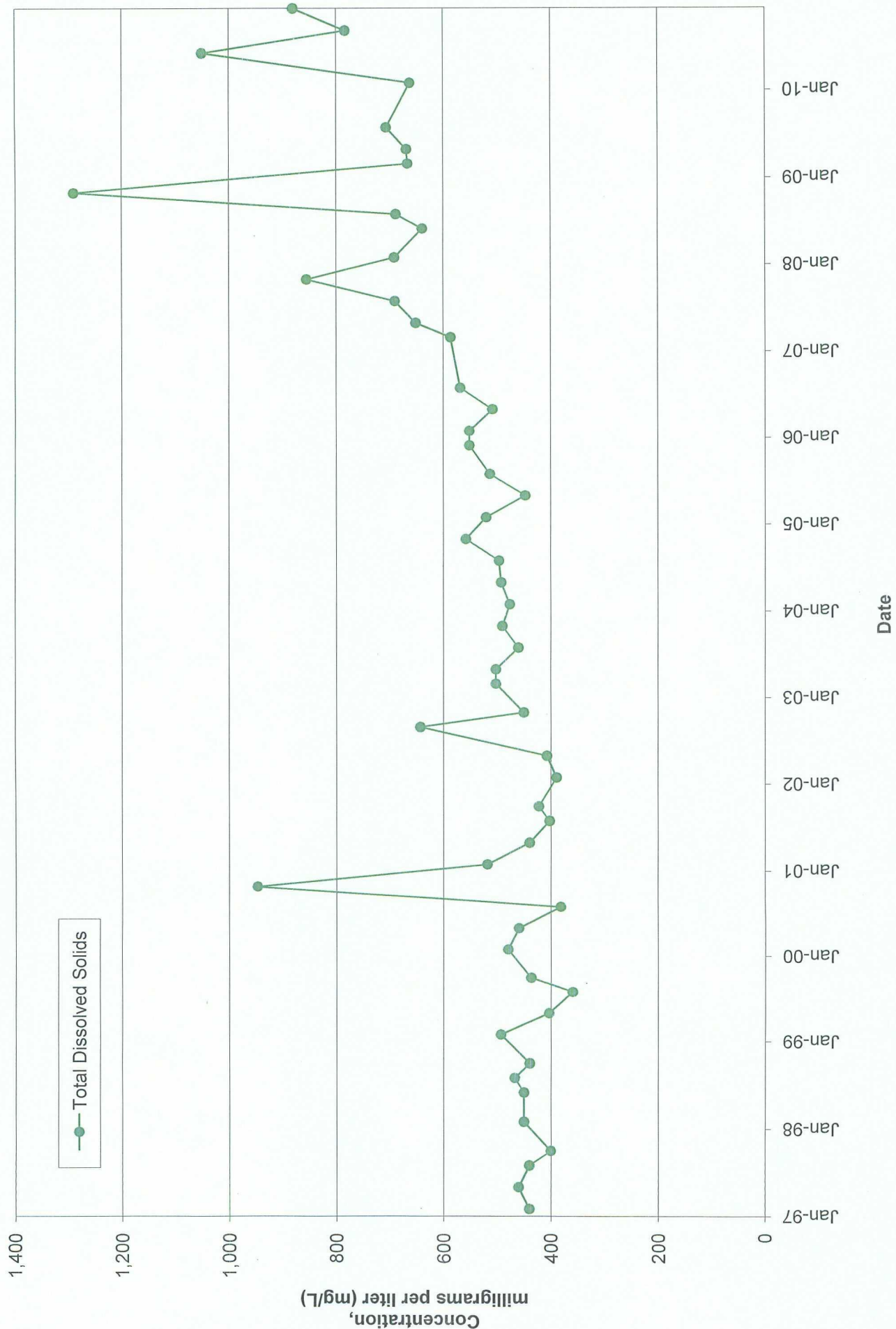
Graph 35 : Concentration Trends of Chloride and Sodium in Groundwater Samples taken from Monitor Well ACW-12



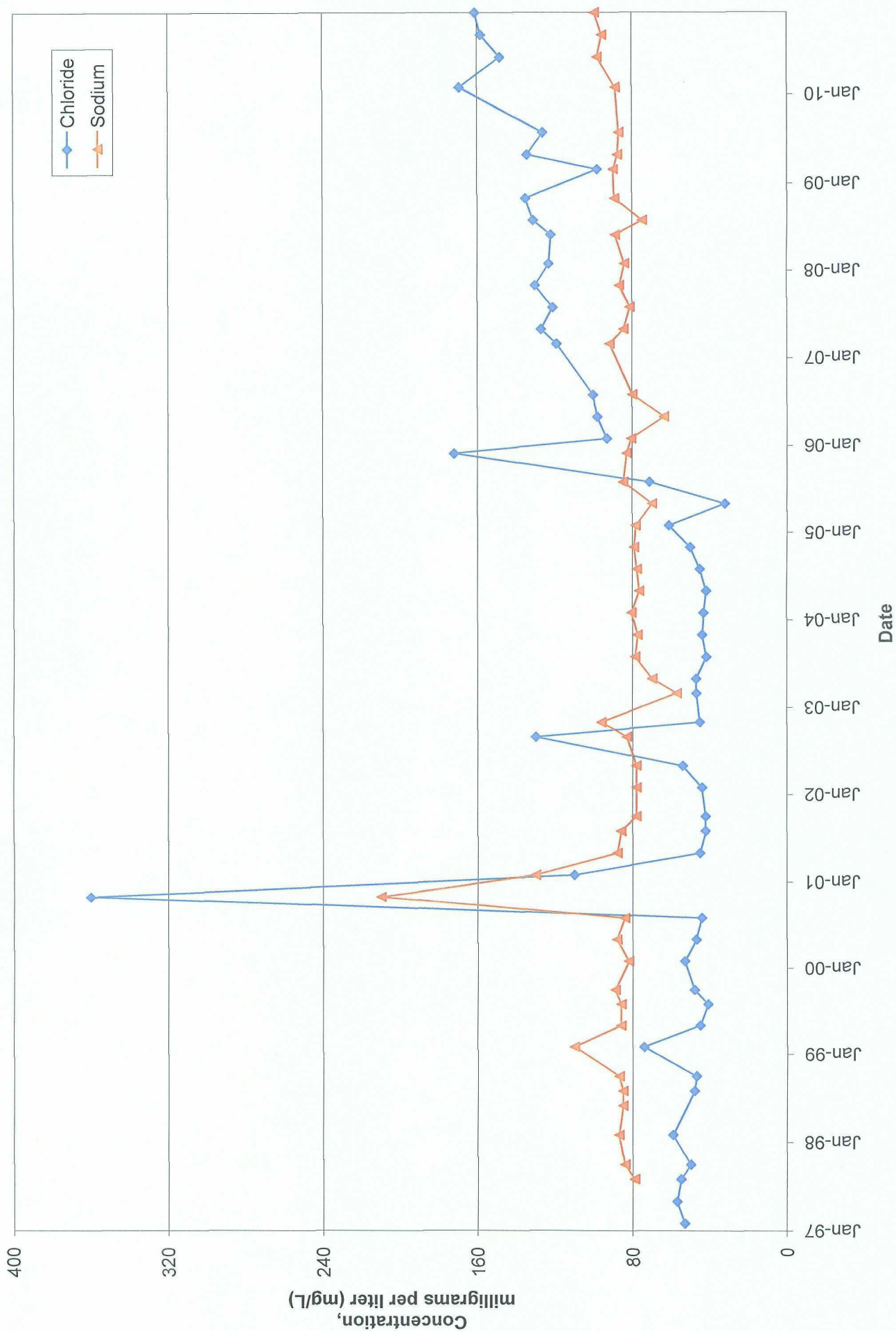
Graph 36 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-12



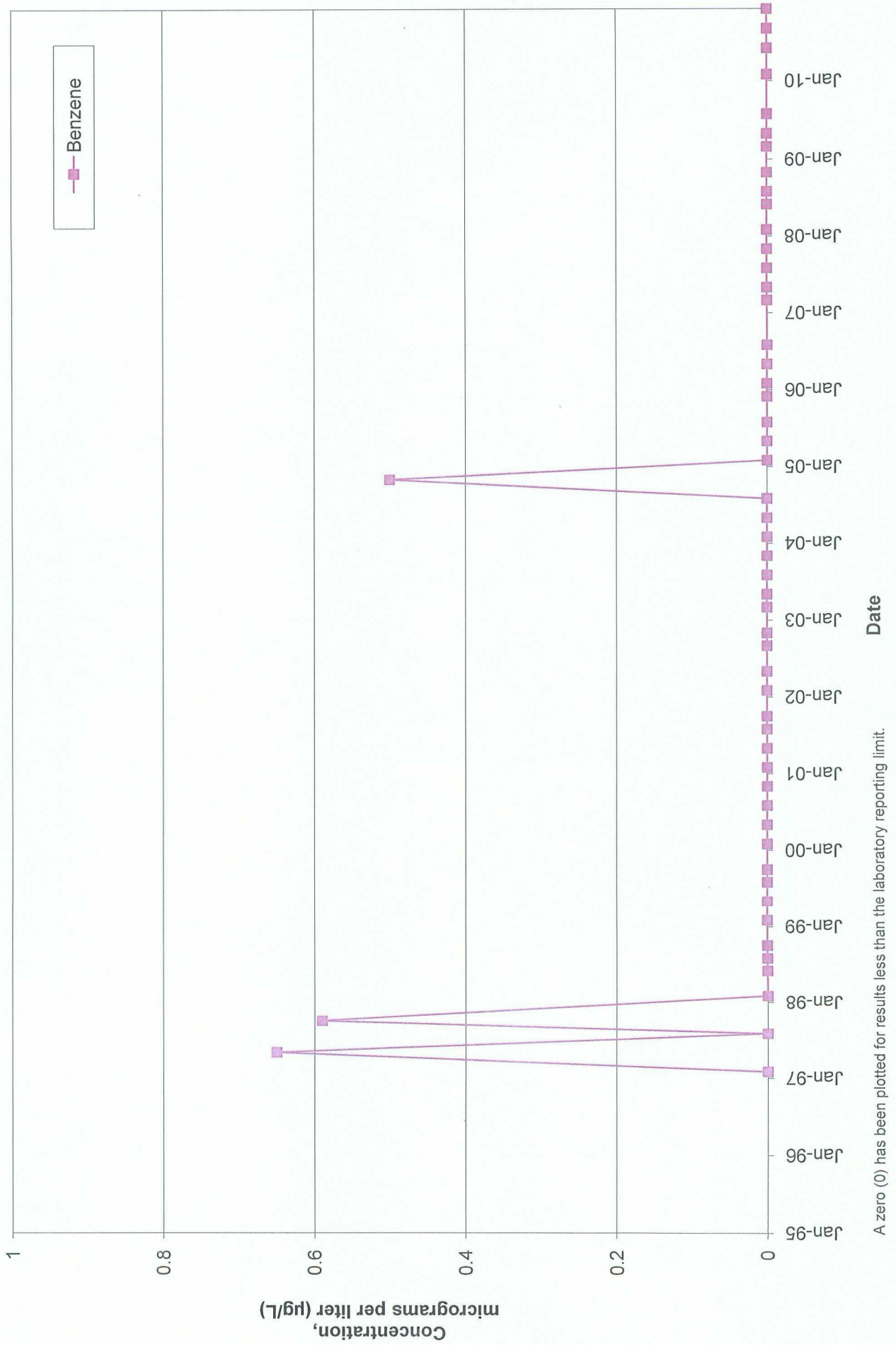
Graph 37 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-13



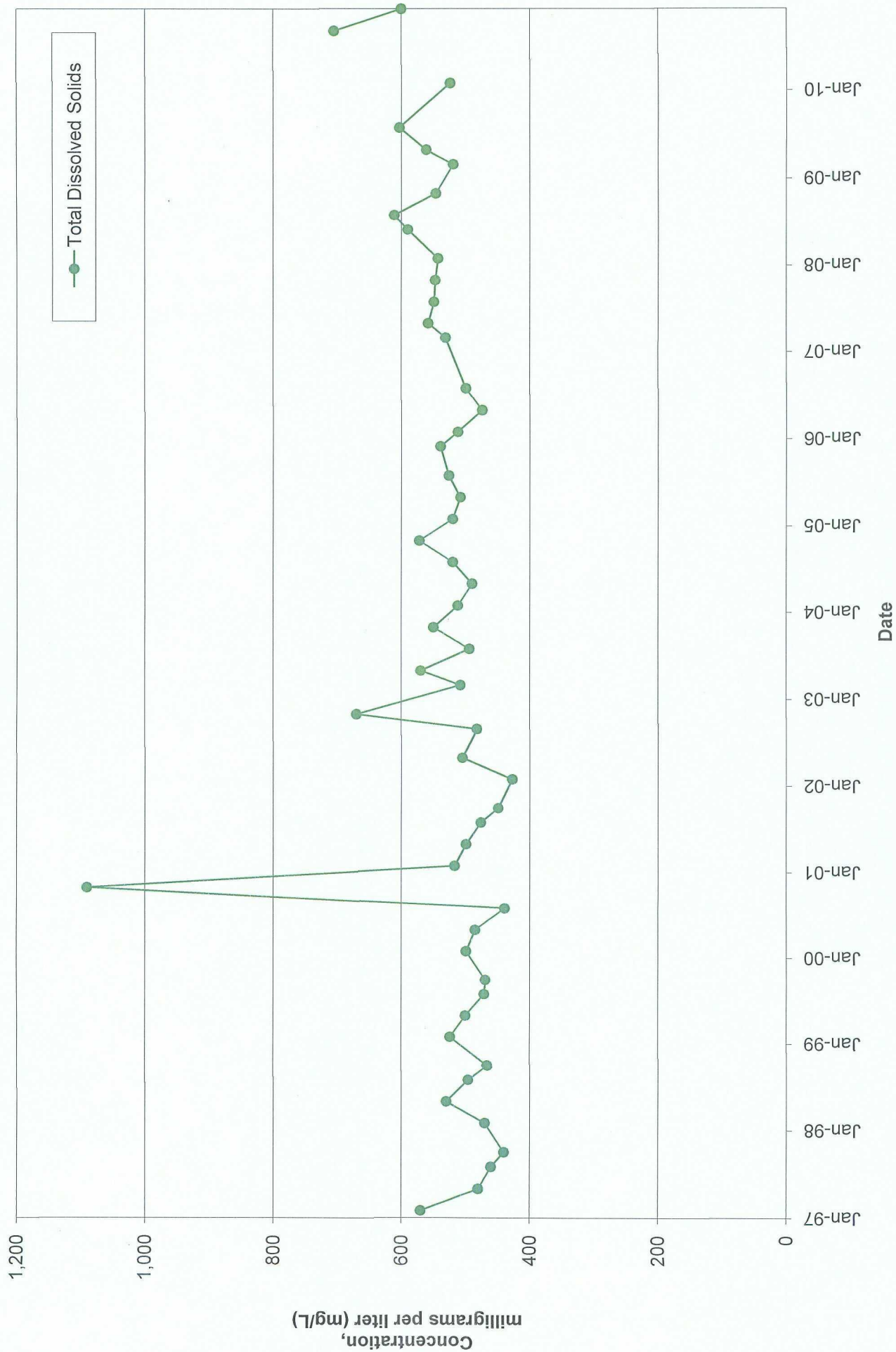
Graph 38 : Concentration Trends of Chloride and Sodium
in Groundwater Samples taken from Monitor Well ACW-13



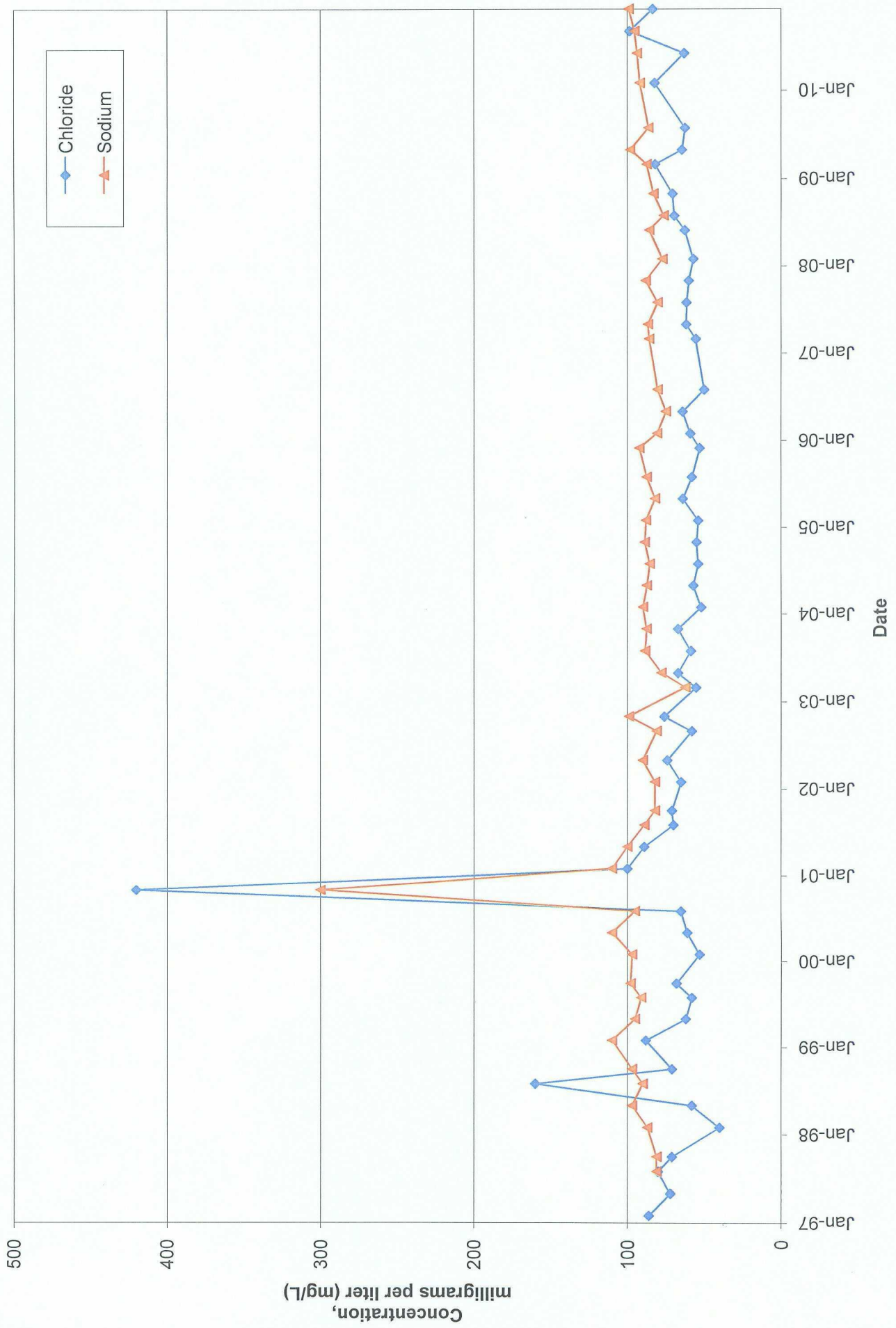
Graph 39 : Concentration Trend of Benzene
in Groundwater Samples taken from Monitor Well ACW-13



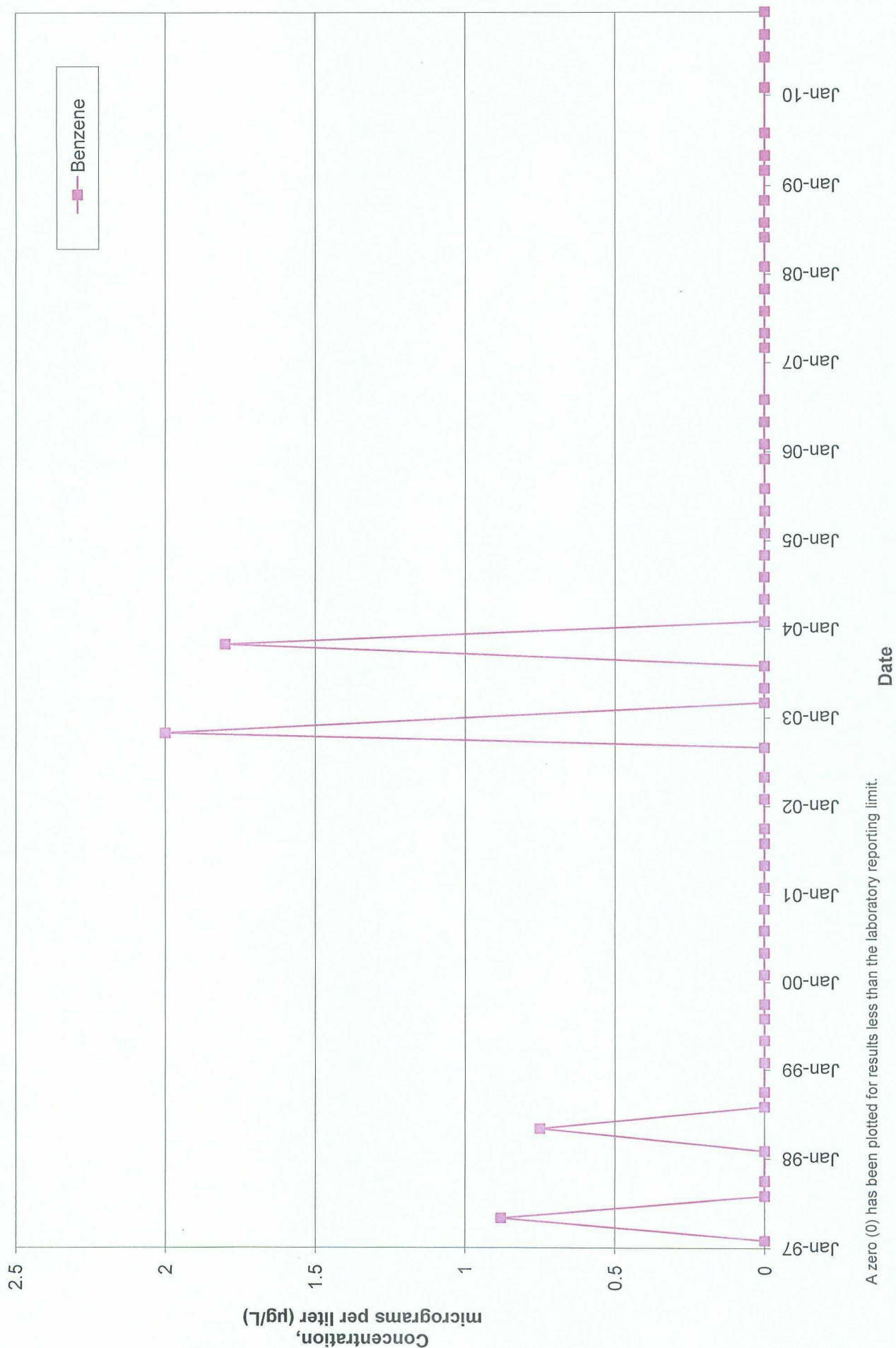
Graph 40 : Concentration Trend of Total Dissolved Solids
in Groundwater Samples taken from Monitor Well ACW-14



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

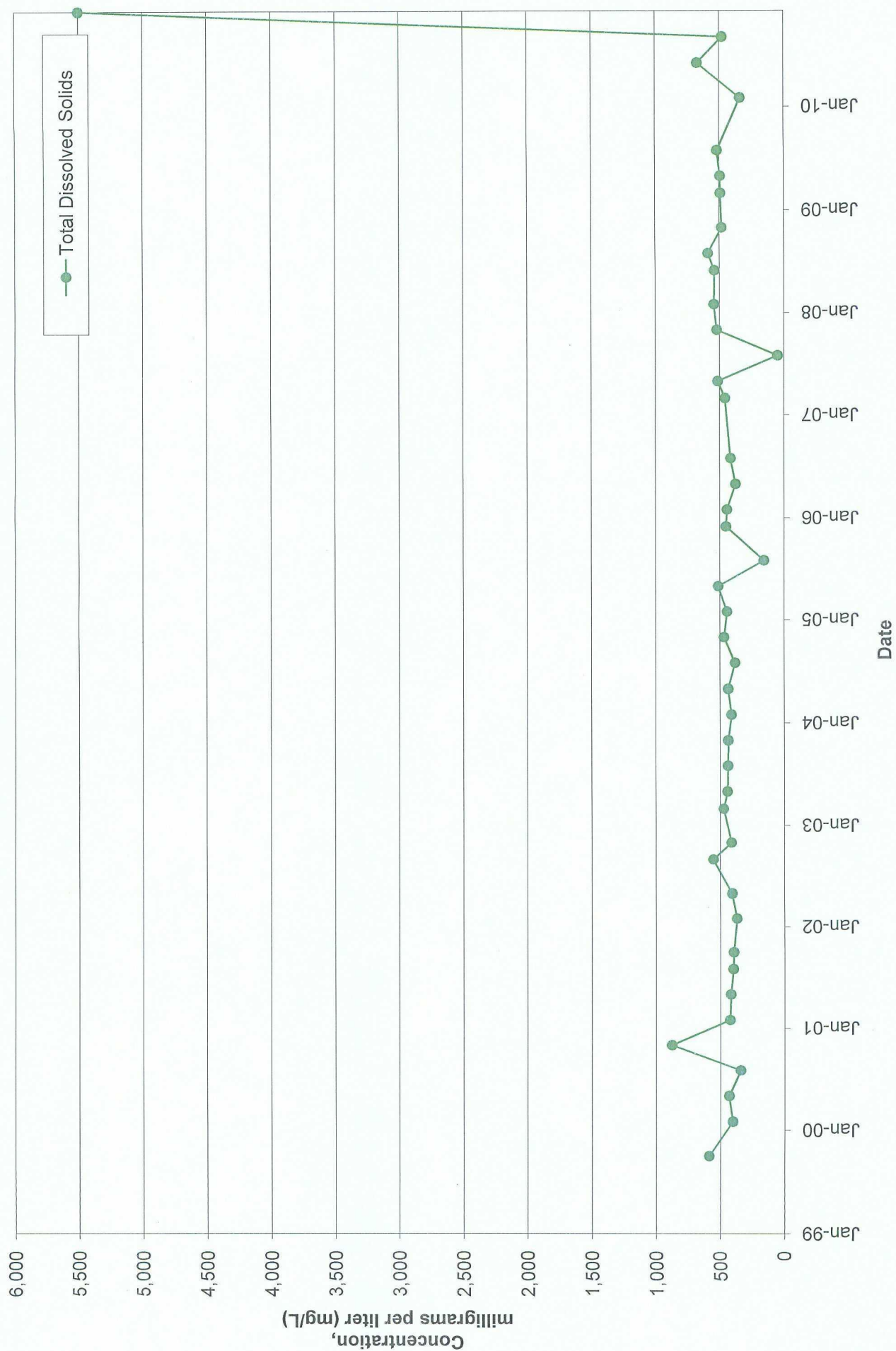


A zero (0) has been plotted for results less than the laboratory reporting limit.

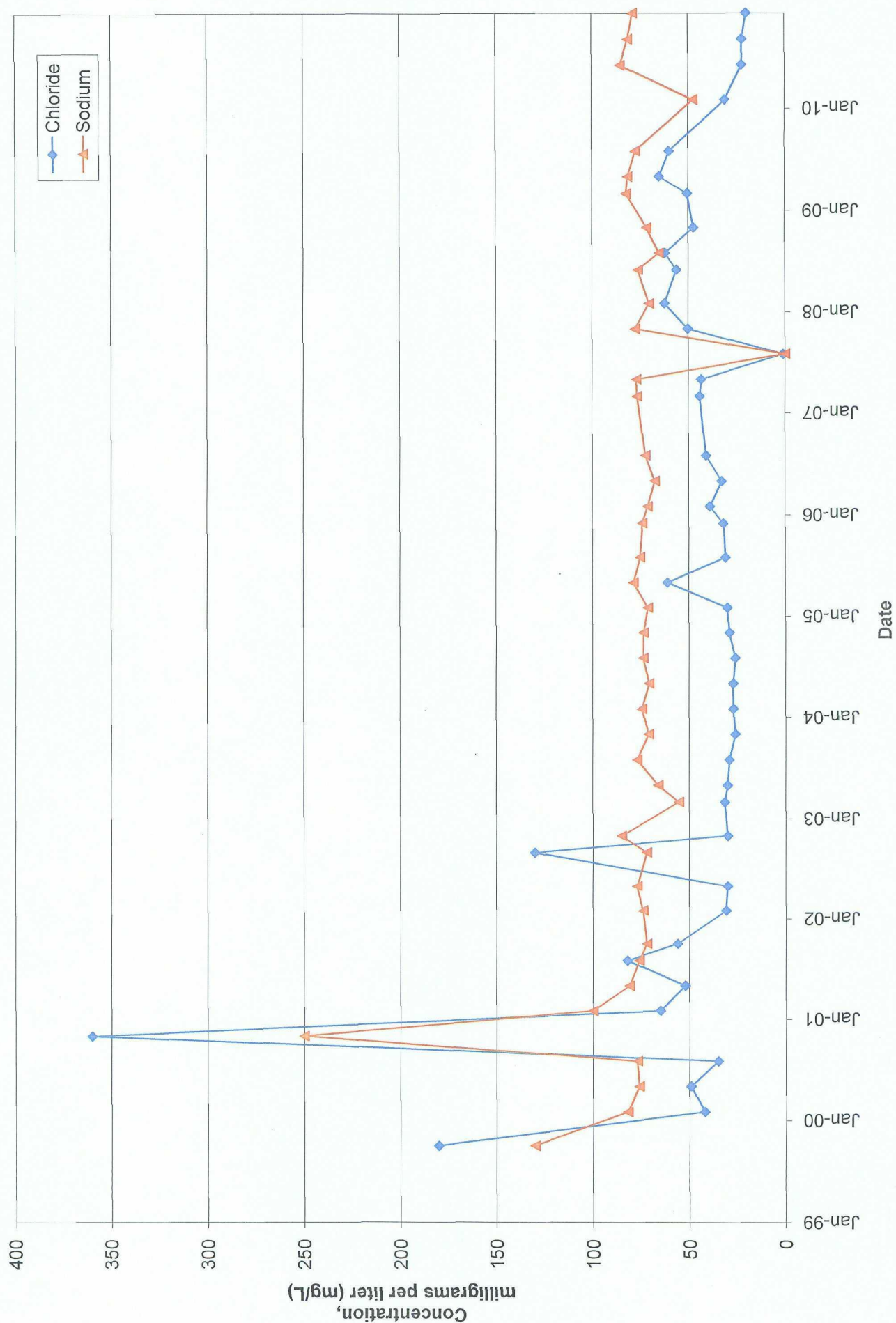
The graph displays the concentration of Total Dissolved Solids (TDS) in milligrams per liter (mg/L) over a period of approximately 12 months, from January 1999 to January 2010. The Y-axis represents the concentration, ranging from 0 to 6,000 mg/L. The X-axis represents the date, with labels every 12 months (Jan-99, Jan-00, Jan-01, Jan-02, Jan-03, Jan-04, Jan-05, Jan-06, Jan-07, Jan-08, Jan-09, Jan-10). A legend indicates that the green line with circular markers represents 'Total Dissolved Solids'.

The concentration remains relatively low and stable for most of the period, generally fluctuating between 0 and 500 mg/L. A significant spike is observed in January 2001, where the concentration reaches approximately 1,100 mg/L. Following this peak, the concentration returns to the low range and remains stable until January 2008, where it shows a slight increase to around 600 mg/L. The concentration then drops sharply in January 2009 to approximately 100 mg/L and remains low through January 2010.

Date	Total Dissolved Solids (mg/L)
Jan-99	100
Jan-00	200
Jan-01	1100
Jan-02	300
Jan-03	400
Jan-04	300
Jan-05	400
Jan-06	300
Jan-07	400
Jan-08	600
Jan-09	100
Jan-10	200



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.