

GW - 114

MONITORING REPORTS

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2003 ANNUAL REPORT

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SCHLUMBERGER OILFIELD SERVICES
ARTESIA, NEW MEXICO

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1.0 INTRODUCTION

1.0 INTRODUCTION

This report documents ground-water monitoring and remedial activities at the Schlumberger Oilfield Services facility in Artesia, New Mexico in 2003 (Figure 1). Included in the report are ground-water and air quality monitoring data, soil vapor extraction (SVE) system operation and maintenance (O & M) activities, zero valent iron injection monitoring, and decommissioning of the Maintenance Shop SVE system.

2.0 SUMMARY OF FIELDWORK

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Field work conducted by Western Water Consultants, Inc. (WWC) during the four quarters of 2003 consisted of routine ground-water monitoring, O & M of the SVE system, monitoring of zero-valent iron pilot tests and decommissioning of the Maintenance Shop SVE System. The analytical data for the first three quarters were presented to the New Mexico Oil and Conservation Division (NMOCD) in reports submitted in March, May, and September, 2003.

2.1 Static Water Level

Static water levels were measured in all monitoring wells with an oil/water interface probe. Static water level measurements collected in 2003 are presented in Table 1 along with historic data for comparison. A map of the potentiometric surface generated from the fourth quarter static water level data is presented on Figure 1. Wells in the southwest portion of the property had water levels decrease 3-4 feet in the first three quarters and rise 2-3 feet in the last quarter. Wells in the northeast area decreased 2-3 feet in the first three quarters and then increased approximately 1-2 feet in the last quarter. This appears to be a seasonal trend that is more noticeable than in previous years.

2.2 Ground-water Monitoring

Ground-water samples were collected from monitoring wells MW-11, MW-12, MW-13, MW-15, MW-18, MW-20, MW-21, and MW-25 through MW-30 during the first, second, and third quarter monitoring events. During the fourth quarter monitoring event performed October ground-water samples were collected from all monitoring wells except MW-3, and MW-16. Well MW-3, was damaged during construction at the facility.

Monitoring wells were micropurged with a peristaltic pump connected to a flow through cell and Hydrolab mini-sonde 4A water quality instrument until field parameters stabilized. Purge water was placed into two galvanized steel stock tanks located on site and allowed to evaporate.

Ground-water samples were analyzed for volatile organic compounds by EPA Method 8260. During the fourth quarter monitoring event, duplicate samples were collected from MW-9, MW-18 and MW-27. Analytical results along with historical data are presented in Table 2. Laboratory

analytical reports for the fourth quarter are presented in Appendix A. Laboratory analytical reports for the other sampling events have been provided in previous reports.

Field parameters collected during the monitoring events consisted of pH, conductivity, temperature, dissolved oxygen (D.O.), and redox potential. Data for the fourth quarter are presented in Table 3.

2.3 Zero-Valent Iron Treatment Pilot Study

A work plan dated July 27, 2001 was submitted for the installation of a zero-valent iron (ZVI) treatment pilot project. That work plan was approved and construction of the ZVI pilot project took place in December 2001.

To assess the efficiency and cost effectiveness of source area injection of ZVI in reducing chlorinated compounds in groundwater at the site, ZVI was injected into an approximate 60 foot by 90 foot area in the vicinity of monitoring well MW-22 using direct push technology (DPT) drilling rig and a high pressure pumping system. Approximately 61,000# of ZVI was placed between 13 and 47 feet below ground surface (bgs) through DPT boreholes spaced within a grid approximately 15 feet apart. A one-inch I.D. groundwater-monitoring well was installed upgradient of the injection grid. This well and MW-22 will provide a means of monitoring the effects of the ZVI on chlorinated compounds.

The efficiency and cost effectiveness of utilizing injection technology and Zero-Valent Iron (ZVI) to treat lower concentrations of dissolved phase chlorocarbon contaminants in groundwater will be evaluated along the eastern boundary of the Dowell property. ZVI was injected into an approximate 60 foot by 60 foot area in the vicinity of monitoring well MW-26 using DPT drilling rig and a high pressure pumping system. Approximately 67,000# of ZVI was placed between 13 and 44 feet below ground surface (bgs) through DPT boreholes spaced within a grid approximately 15 feet apart. A one-inch I.D. groundwater-monitoring well was installed upgradient of the injection grid. This well and MW-26 will provide a means of monitoring the effects of the ZVI on ground water contaminants.

Based on the results of the coring and evidence regarding the radius of influence as seen from the two breaches, it appears that the ZVI was placed in the areas where groundwater is flowing. With monitoring of wells MW-22 and MW-26, along with their associated upgradient wells, MW-

22A and MW-26A the effectiveness of ZVI in reducing chlorinated compounds will be evaluated over the next few years.

2.4 Maintenance Shop SVE System Decommissioning

A work plan was submitted in June that justified decommissioning of the maintenance shop SVE system and provided a design for that work. After conversations with the NMED Petroleum Storage Tank Bureau, the work plan was revised and resubmitted in August. A copy of the work plan is included as Appendix C. Approval was received from the Oil Conservation Division (OCD) on September 3 and from the Petroleum Storage Tank Bureau on October 3.

Decommissioning of the system was conducted in accordance with the work plan. Activities were initiated on November 18, 2003 and were monitored by Mr. Mike Stubblefield of the OCD in Artesia. A tremie pipe was lowered into each well and sealed at the surface. As the grout was injected, it filled the casing and then filled the connecting piping. Pumping was initiated at the wells on the far end of each line. The next upstream well was monitored for grout, when grout appeared in the connecting pipe, pumping stopped and the tremie pipe was removed from the downstream well and installed in the upstream well. With this methodology it was assured that all wells and connecting pipes were completely filled with grout.

The work plan estimated 4 Ft³ of grout for the well casings and 4.5 Ft³ of grout for the connecting piping. The grout was Portland cement with approximately 6% bentonite added. Twenty one 94 lb. sacks of cement and two 60 lb. sacks of bentonite were used for 21 Ft³ of grout. This is well in excess of the 8.5 Ft³ planned which indicates success. In addition to the wells and piping, a considerable amount of grout was pumped into the filter sand in the annulus of the wells.

After the grout had set, the manholes were removed on December 15-18. When the manholes were removed grout was found in all connecting pipes. The holes from the manholes were filled with 8-12" of 2500 lb. ready-mix concrete. After the concrete set, 6-8" of road base gravel was used to fill the remaining hole and match to existing yard surface.

3.0 RESULTS AND DISCUSSION

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Water quality data in Table 2 indicates that contaminant levels are continuing to decline in a majority of the monitoring wells since ground-water sampling began. Levels of BTEX have declined or are no longer detected in most monitoring wells. During the fourth quarter only well MW-25 had any concentrations even slightly above MCL's. An isoconcentration map for total BTEX (Figure 2) shows that BTEX remains concentrated in the area of MW-9 and does not appear to be migrating down gradient.

Halocarbon concentrations have declined in all monitoring wells, except MW-9, MW-15, MW-18, MW-22, MW-25, MW-26, and MW-30 which are stable or have shown a slight increase over the past four quarters. The decline or stabilization of the halocarbon concentrations are evident on the plots of total halocarbons versus static water levels presented in Appendix B. An isoconcentration map for total halocarbons (Figure 3) indicates the highest concentrations remain in the area of MW-22 which is consistent with previous reports.

3.1 Biodegradation of Hydrocarbons

Field parameters for D.O., pH, and redox potential collected during the quarterly monitoring events for 2003 continue to support the data collected during the additional natural attenuation monitoring in April 1999 with regard to intrinsic bioremediation (Table 3). D.O. remains depleted in the area of concern indicating that environmental conditions are in an anaerobic state. PH continues to be depressed in the area with the highest concentrations of dissolved phase constituents around MW-9, MW-11, and MW-12. The redox potential of the ground-water around MW-9 and MW-12 indicates a reducing environment in the core area of concern with oxidizing conditions along the periphery conducive to biodegradation of aromatic hydrocarbons through aerobic metabolism.

3.2 Biodegradation of Chlorocarbons

Water quality data collected for additional natural attenuation monitoring in April 1999 indicated degradation of chlorocarbons is continuing at this facility. As mentioned previously, D.O. values show a distinct inverse correlation with the area containing the highest concentrations of dissolved-phase constituents. Aerobic respiration of aromatic hydrocarbons over a long period of

time has created environmental conditions which are now anaerobic. Negative redox potential readings of the ground-water in this same area indicated environmental conditions were in an optimal range for reductive dehalogenation to occur (USEPA Guidance Document 1998). In addition sufficient carbon is available for dechlorination processes to occur as indicated by the highest concentrations of total organic carbon occurring in the ground-water around monitoring wells MW-3 and MW-12.

Microbial degradation of chlorocarbons such as PCE via the process of reductive dechlorination results in the formation of daughter products TCE, isomers of DCE, VC, ethene and finally CO_2 and H_2O . Evidence that the process of reductive dehalogenation has been and is still actively occurring, is shown by the spatial distribution of chloroethenes across the site. PCE makes up a large percentage of the total chloroethenes present in the ground-water beneath the facility itself.

However, the percentage of PCE in the ground-water decreases from MW-12 toward the northeast where daughter products such as TCE and DCE isomers make up a larger percentage of the chlorocarbons. The decrease in halocarbons in the source areas and around MW-12 show that the process is effective.

3.3 ZVI Injection Pilot Project

As shown in Table 3, dissolved oxygen is very low and the ORP has increased significantly indicating that the iron filings have altered groundwater chemistry. A reduction in concentrations at MW-22 is now being observed. Well MW-22A upgradient of the iron injection area is not showing the same decrease, indicating that the ZVI may be working. At MW-26 there has yet to be any change in concentrations.

***4.0 OPERATION AND MAINTENANCE OF
SHOP AND WASH BAY SVE SYSTEMS***

4.0 OPERATION AND MAINTENANCE OF SHOP AND WASH BAY SVE SYSTEMS

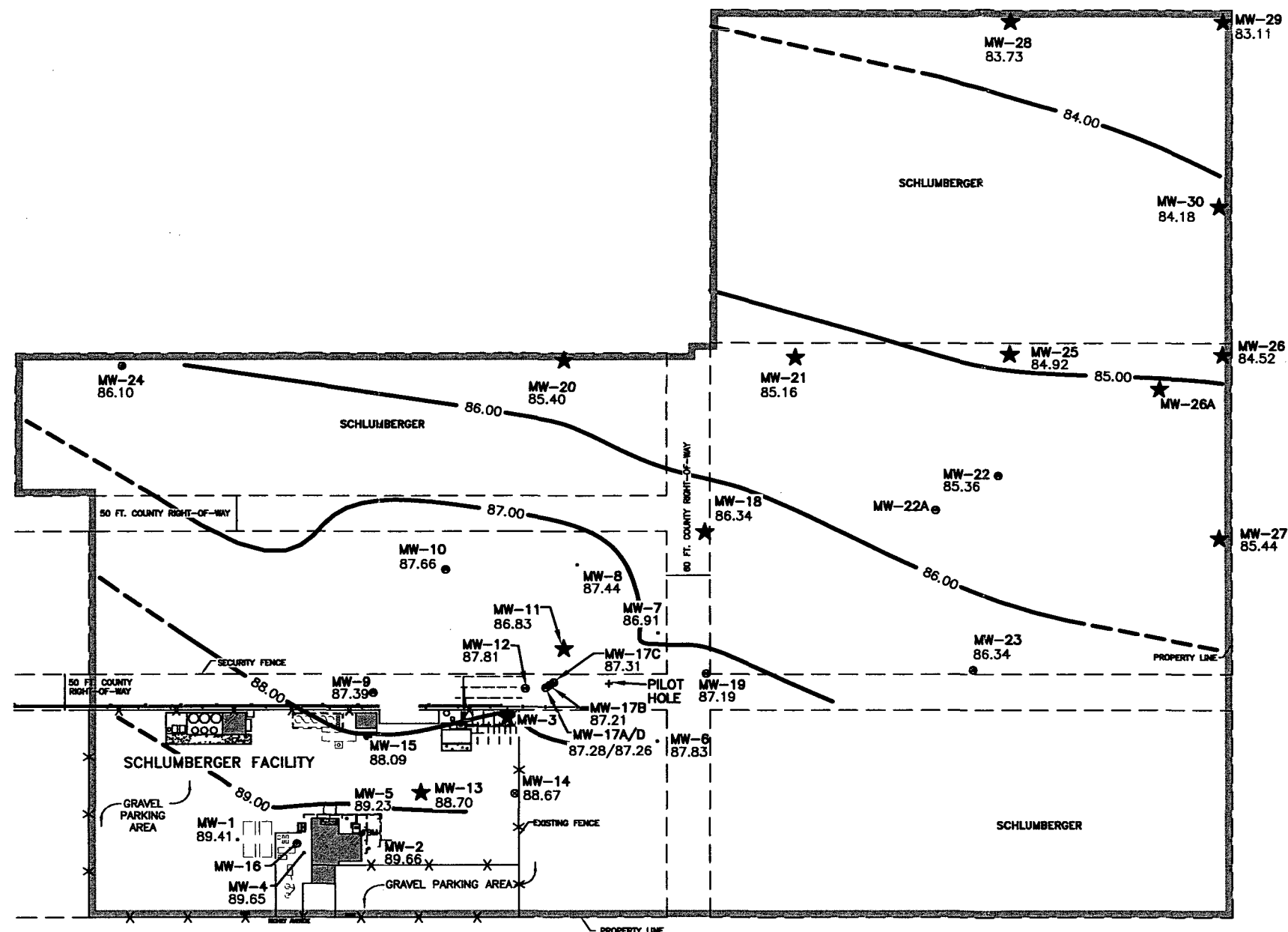
The wash bay SVE system operated almost continuously in 2003. The systems are checked quarterly to monitor vacuum readings and volatile organic vapors in the extracted soil vapor and exhaust. Vacuum readings are presented in Tables 4 (wash bay). Soil Vapor monitoring was performed with a PID, results are presented in Table 5 (wash bay). Air samples are collected quarterly in one liter tedlar bags and submitted to a laboratory for analysis by EPA Method 8260. An air sample was not collected from the maintenance shop system which has been decommissioned. Analytical data for the air samples are presented in Table 6. Laboratory data sheets for the second quarter air samples are presented in Appendix A.

5.0 RECOMMENDATIONS

5.0 RECOMMENDATIONS

Ground-water data indicates hydrocarbons and chlorocarbons are continuing to decline or stabilize. Additional natural attenuation monitoring supports the initial evaluation that chemical and environmental conditions exist for biodegradation of both hydrocarbon and chlorocarbons. Dowell is proposing that monitoring continue on a quarterly basis as conducted in 2003. Monitoring wells MW-3, MW-11, MW-13, MW-18, MW-20, MW-21, MW-22, and MW-25 to MW-30 would be sampled quarterly for volatile organics by EPA Method 8260 (Figure 1). To evaluate the effectiveness of the ZVI pilot project wells MW-22A and MW-26A will also be sampled quarterly. All monitoring wells would be sampled during the fourth quarter monitoring event and static water levels would be measured every quarter.

FIGURES



EXPLANATION

- MW-9**
87.39
WWC MONITORING WELL LOCATION, IDENTIFICATION, AND POTENTIOMETRIC SURFACE
- MW-6**
87.83
REED AND ASSOCIATES MONITORING WELL LOCATION, IDENTIFICATION, AND POTENTIOMETRIC SURFACE
- ★**
MONITORING WELLS TO BE SAMPLED QUARTERLY
- 86.00**
POTENTIOMETRIC SURFACE CONTOUR (DASHED WHERE INFERRED)
- TEMPORARY BENCH MARK
- AIR PIPING
- SVE EXTRACTION WELL

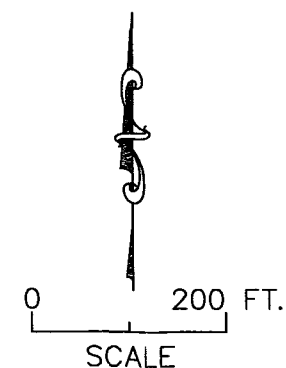
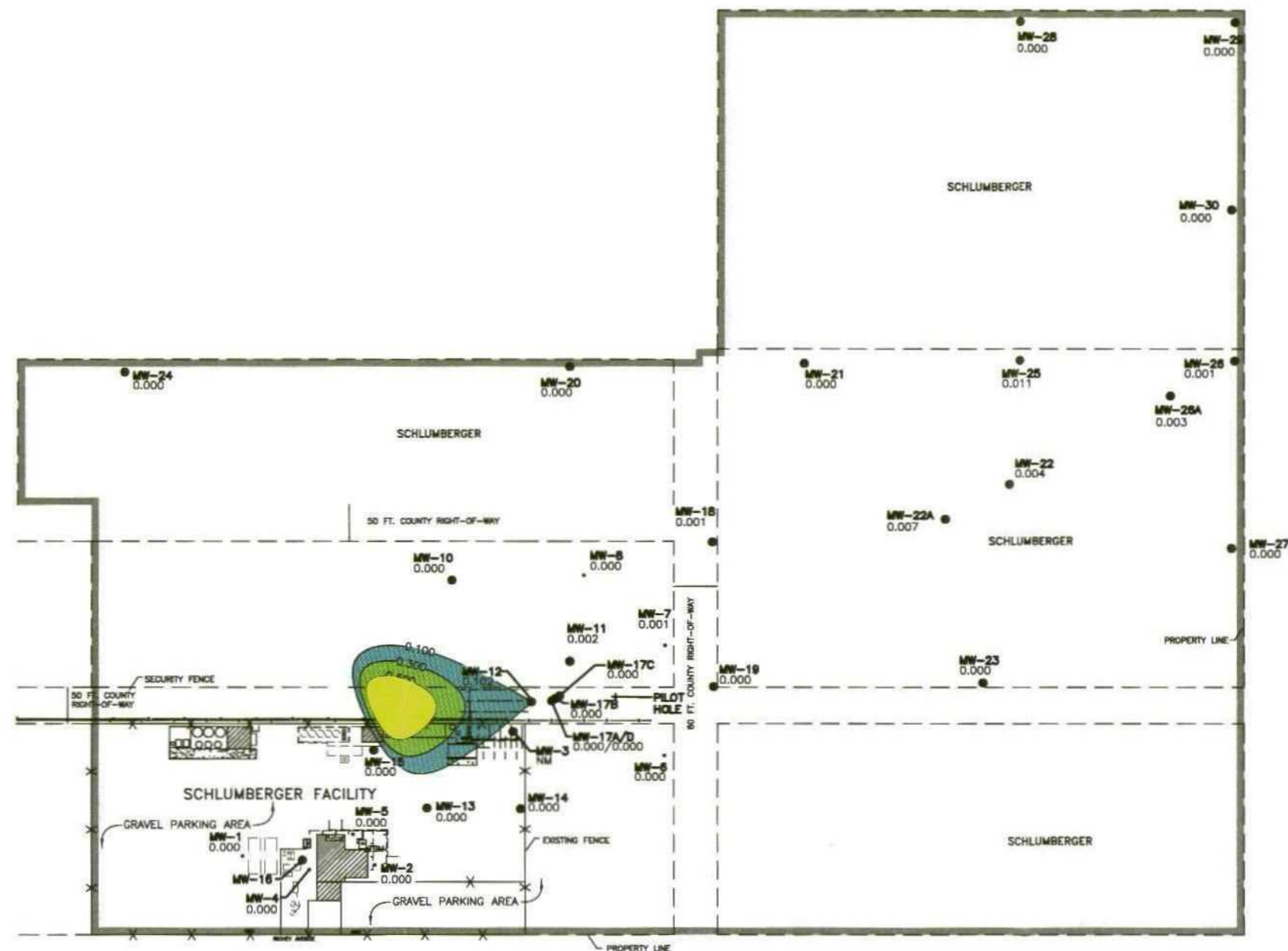


FIGURE 1
SITE MAP WITH
POTENTIOMETRIC SURFACE
(10/15/03)

SCHLUMBERGER OILFIELD SERVICES
ARTESIA, NEW MEXICO

WWCENGINEERING

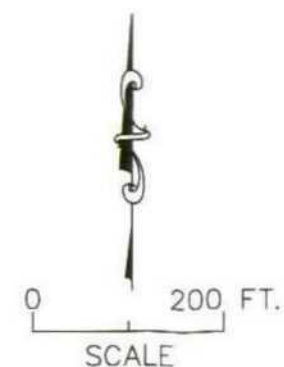
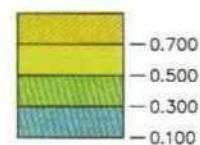
BASE MAP MODIFIED FROM REED & ASSOCIATES



EXPLANATION

- MW-12 1.895 WWC MONITORING WELL LOCATION AND IDENTIFICATION ISOCONCENTRATION FOR TOTAL BTEX
- MW-6 ND REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION ISOCONCENTRATION FOR TOTAL BTEX
- TBM TEMPORARY BENCH MARK
- AIR PIPING
- SVE EXTRACTION WELL
- NM NOT MEASURED

ISOCONCENTRATION FOR TOTAL BTEX



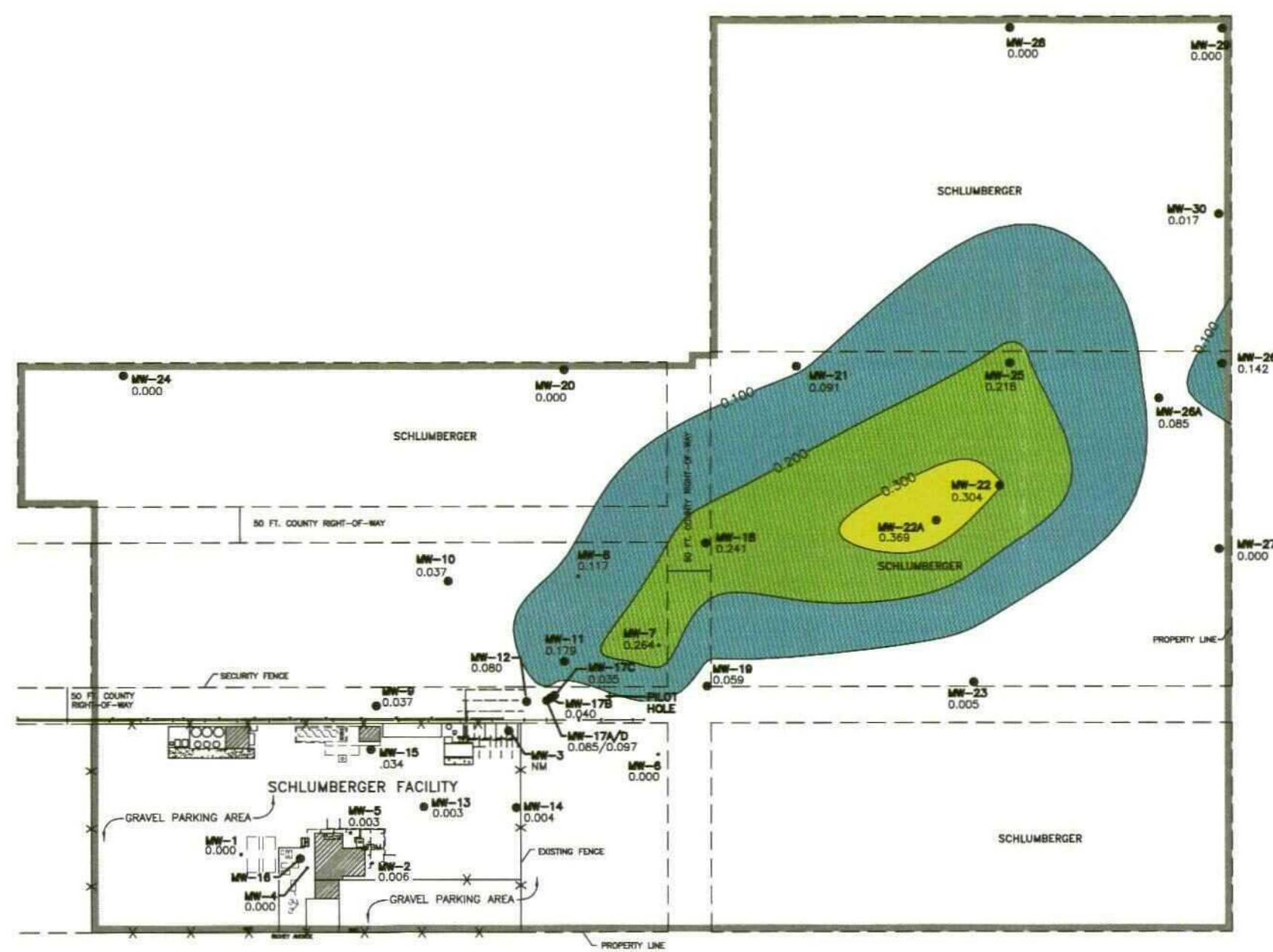
BASE MAP MODIFIED FROM REED & ASSOCIATES

FIGURE 2
ISOCONCENTRATION MAP FOR
TOTAL BTEX
(10/15/03)

SCHLUMBERGER OILFIELD SERVICES
ARTESIA, NEW MEXICO

WWCENGINEERING

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EXPLANATION

● MW-12 0.128	WWC MONITORING WELL LOCATION AND IDENTIFICATION
● MW-6 0.000	REED AND ASSOCIATES MONITORING WELL LOCATION AND IDENTIFICATION
● TBM	TEMPORARY BENCH MARK
---	SVE EXTRACTION WELL
NM	NOT MEASURED

ISOCONCENTRATION FOR TOTAL HALOCARBONS

0.500
0.400
0.300
0.200
0.100

0 200 FT.
SCALE

BASE MAP MODIFIED FROM REED & ASSOCIATES

FIGURE 3
ISOCONCENTRATION MAP FOR
TOTAL HALOCARBONS
(10/15/03)

SCHLUMBERGER OILFIELD SERVICES
ARTESIA, NEW MEXICO

WWCENGINEERING

TABLES

Table 1 - Static Water Elevation Data, Schlumberger Oilfield Services Facility
Artesia, New Mexico

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-1	01/23/91	30.00	Protective Casing	100.56	17.41	83.15	
	09/13/91				16.04	84.52	1.37
	11/22/91				14.50	86.06	1.54
	03/16/93				13.72	86.84	0.78
	01/09/94				14.62	85.94	-0.90
	04/19/94				14.48	86.08	0.14
	07/20/94				14.38	86.18	0.10
	10/24/94				14.73	85.83	-0.35
	01/24/95				14.20	86.36	0.53
	04/02/95				14.37	86.19	-0.17
	07/31/95				14.76	85.80	-0.39
	10/16/95				14.64	85.92	0.12
	01/10/96				14.59	85.97	0.05
	04/09/96				14.77	85.79	-0.18
	07/20/96				15.84	84.72	-1.07
	10/21/96				14.07	86.49	1.77
	01/21/97				13.24	87.32	0.83
	04/08/97				12.97	87.59	0.27
	07/29/97				13.87	86.69	-0.90
	10/16/97				12.26	88.30	1.61
	02/09/99				14.34	86.22	-2.08
	04/21/99				13.91	86.65	0.43
	07/13/99				11.70	88.86	2.21
	10/19/99				13.22	87.34	-1.52
	01/26/00				13.50	87.06	-0.28
	04/18/00				13.74	86.82	-0.24
	07/26/00				14.04	86.52	-0.30
	10/19/00				12.48	88.08	1.56
	01/18/01				9.72	90.84	2.76
	04/12/01				9.58	90.98	0.14
	07/19/01				12.02	88.54	-2.44
	10/17/01				10.70	89.86	1.32
	01/12/02				9.19	91.37	1.51
	04/20/02				9.37	91.19	-0.18
	07/24/02				12.13	88.43	-2.76
	10/15/02				10.86	89.70	1.27
	01/22/03				11.79	88.77	-0.93
	04/24/03				12.32	88.24	-0.53
	07/16/03				13.60	86.96	-1.28
	10/15/03				11.15	89.41	2.45
MW-2	01/23/91	30.00	Protective Casing	99.56	16.95	82.61	
	09/13/91				15.01	84.55	1.94
	11/22/91				13.76	85.80	1.25
	03/16/93				13.16	86.40	0.60
	01/09/94				13.91	85.65	-0.75
	04/19/94				13.80	85.76	0.11
	07/20/94				13.65	85.91	0.15
	10/24/94				13.88	85.68	-0.23
	01/24/95				13.41	86.15	0.47
	04/02/95				13.67	85.89	-0.26
	07/31/95				13.81	85.75	-0.14
	10/16/95				13.78	85.78	0.03
	01/10/96				13.80	85.76	-0.02
	04/09/96				13.98	85.58	-0.18
	07/20/96				14.92	84.64	-0.94
	10/21/96				13.15	86.41	1.77
	01/21/97				12.41	87.15	0.74
	04/08/97				12.21	87.35	0.20
	07/29/97				13.15	86.41	-0.94
	10/16/97				11.63	87.93	1.52
	01/08/98				10.92	88.64	0.71
	04/14/98				11.02	88.54	-0.10
	07/17/98				13.03	86.53	-2.01
	10/27/98				13.61	85.95	-0.58
	02/09/99				13.69	85.87	-0.08
	04/21/99				13.24	86.32	0.45
	07/13/99				11.05	88.51	2.19
	10/20/99				12.59	86.97	-1.54
	01/26/00				12.83	86.73	-0.24

Table 1 - Static Water Elevation Data, Schlumberger Oilfield Services Facility
Artesia, New Mexico

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-2 Cont.	04/18/00				13.00	86.56	-0.17
	07/26/00				13.36	86.20	-0.36
	10/19/00				11.42	88.14	1.94
	01/18/01				8.41	91.15	3.01
	04/12/01				8.60	90.96	-0.19
	07/19/01				11.23	88.33	-2.63
	10/17/01				9.60	89.96	1.63
	01/12/02				7.80	91.76	1.80
	04/20/02				8.67	90.89	-0.87
	07/24/02				11.38	88.18	-2.71
	10/15/02				10.02	89.54	1.36
	01/22/03				11.08	88.48	-1.06
	04/24/03				11.61	87.95	-0.53
	07/16/03				12.93	86.63	-1.32
	10/15/03				9.90	89.66	3.03
MW-3	01/23/91	30.00	Protective Casing	98.33	17.28	81.05	
	09/13/91				14.66	83.67	2.62
	11/22/91				13.63	84.70	1.03
	03/16/93				12.89	85.44	0.74
	01/09/94				13.66	84.67	-0.77
	04/19/94			Not Measured			NM
	07/20/94				13.18	85.15	na
	10/24/94				13.27	85.06	-0.09
	01/24/95				13.23	85.10	0.04
	04/02/95				13.60	84.73	-0.37
	07/31/95				13.34	84.99	0.26
	10/16/95				13.38	84.95	-0.04
	01/10/96				13.85	84.48	-0.47
	04/09/96				13.91	84.42	-0.06
	07/20/96				14.55	83.78	-0.64
	10/21/96				12.90	85.43	1.65
	01/21/97				12.42	85.91	0.48
	04/08/97				12.43	85.90	-0.01
	07/29/97				13.18	85.15	-0.75
	10/16/97				11.83	86.50	1.35
	01/06/98				11.45	86.88	0.38
	04/14/98				11.44	86.89	0.01
	07/17/98				12.81	85.52	-1.37
	10/27/98				12.60	85.73	0.21
	02/09/99				13.44	84.89	-0.84
	04/21/99				12.75	85.58	0.69
	07/13/99				10.57	87.76	2.18
	10/20/99				12.15	86.18	-1.58
	01/26/00				12.64	85.69	-0.49
	04/18/00				12.70	85.63	-0.06
	07/26/00				12.88	85.45	-0.18
	10/19/00				11.53	86.80	1.35
	01/18/01				9.21	89.12	2.32
	04/12/01				9.22	89.11	-0.01
	07/19/01				11.22	87.11	-2.00
MW-4	01/23/91	50.00	Protective Casing	103.18	20.17	83.01	
	09/13/91				18.54	84.64	1.63
	11/22/91				17.15	86.03	1.39
	03/16/93				16.49	86.69	0.66
	01/09/94				17.28	85.90	-0.79
	04/19/94				17.15	86.03	0.13
	07/20/94				16.99	86.19	0.16
	10/24/94				17.25	85.93	-0.26
	01/24/95				16.78	86.40	0.47
	04/02/95				16.98	86.20	-0.20
	07/31/95				17.26	85.92	-0.28
	10/16/95				17.01	86.17	0.25
	01/10/96				16.95	86.23	0.06
	04/09/96				17.15	86.03	-0.20
	07/20/96				18.08	85.10	-0.93
	10/21/96				16.28	86.90	1.80
	01/21/97				15.37	87.81	0.91
	04/08/97				15.14	88.04	0.23

Table 1 - Static Water Elevation Data, Schlumberger Oilfield Services Facility
Artesia, New Mexico

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-4 (Cont.)	07/29/97				16.05	87.13	-0.91
	10/16/97				14.44	88.74	1.61
	01/06/98				13.59	89.59	0.85
	04/14/98				13.91	89.27	-0.32
	07/17/98				16.40	86.78	-2.49
	10/27/98				17.05	86.13	-0.65
	02/09/99				17.08	86.10	-0.03
	04/21/99				16.67	86.51	0.41
	07/13/99				14.49	88.69	2.18
	10/20/99				15.98	87.20	-1.49
	01/26/00				16.27	86.91	-0.29
	04/18/00				16.47	86.71	-0.20
	07/26/00				16.81	86.37	-0.34
	10/19/00				15.01	88.17	1.80
	01/18/01				12.08	91.10	2.93
	04/12/01				12.12	91.06	-0.04
	07/19/01				14.68	88.50	-2.56
	10/17/01			99.66	9.65	90.01	1.51
	01/12/02				7.97	91.69	1.68
	04/20/02				8.63	91.03	-0.66
	07/24/02				11.33	88.33	-2.70
	10/15/02				9.97	89.69	1.36
	01/22/03				10.98	88.68	-1.01
	04/24/03				11.53	88.13	-0.55
	07/16/03				12.63	87.03	-1.10
	10/15/03				10.01	89.65	2.62
MW-5	01/23/91	30.00	Protective Casing	99.87	17.20	82.67	
	09/13/91				15.52	84.35	1.68
	11/22/91				14.19	85.68	1.33
	03/16/93				13.47	86.40	0.72
	01/09/94				14.31	85.56	-0.84
	04/19/94				14.17	85.70	0.14
	07/20/94				13.97	85.90	0.20
	10/24/94				14.21	85.66	-0.24
	01/24/95				13.78	86.09	0.43
	04/02/95				14.05	85.82	-0.27
	07/31/95				14.17	85.70	-0.12
	10/16/95				14.07	85.80	0.10
	01/10/96				14.11	85.76	-0.04
	04/09/96				14.31	85.56	-0.20
	07/20/96				15.20	84.67	-0.89
	10/21/96				13.44	86.43	1.76
	01/21/97				12.69	87.18	0.75
	04/08/97				12.52	87.35	0.17
	07/29/97				13.37	86.50	-0.85
	10/16/97				11.82	88.05	1.55
	01/06/98				11.09	88.78	0.73
	04/14/98				12.30	87.57	-1.21
	07/17/98				13.32	86.55	-1.02
	10/27/98				13.93	85.94	-0.61
	02/09/99				14.04	85.83	-0.11
	04/21/99				13.54	86.33	0.50
	07/13/99				11.37	88.50	2.17
	10/20/99				12.89	86.98	-1.52
	01/26/00				13.18	86.69	-0.29
	04/18/00				13.35	86.52	-0.17
	07/26/00				13.65	86.22	-0.30
	10/19/00				11.96	87.91	1.69
	01/18/01				9.22	90.65	2.74
	04/12/01				9.16	90.71	0.06
	07/19/01				11.63	88.24	-2.47
	10/17/01				10.26	89.61	1.37
	01/12/02				8.58	91.29	1.68
	04/20/02				9.19	90.68	-0.61
	07/24/02				11.75	88.12	-2.56
	10/15/02				10.56	89.31	1.19
	01/22/03				11.51	88.36	-0.95
	04/24/03				12.07	87.80	-0.56
	07/16/03				13.27	86.60	-1.20
	10/15/03				10.64	89.23	2.63

Table 1 - Static Water Elevation Data, Schlumberger Oilfield Services Facility
Artesia, New Mexico

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-6	01/23/91	35.00	Protective Casing	100.84	19.59	81.25	
	09/13/91				17.43	83.41	2.16
	11/21/91				16.30	84.54	1.13
	03/16/93				15.57	85.27	0.73
	01/09/94				16.42	84.42	-0.85
	04/19/94				16.29	84.55	0.13
	07/19/94				15.79	85.05	0.50
	10/24/94				15.83	85.01	-0.04
	01/24/95				15.94	84.90	-0.11
	04/02/95				16.38	84.46	-0.44
	07/31/95				15.88	84.96	0.50
	10/16/95				16.01	84.83	-0.13
	01/10/96				16.52	84.32	-0.51
	04/09/96				16.70	84.14	-0.18
	07/21/96				17.26	83.58	-0.56
	10/21/96				15.62	85.22	1.64
	01/21/97				15.21	85.63	0.41
	04/08/97				15.30	85.54	-0.09
	07/29/97				16.01	84.83	-0.71
	10/16/97				15.01	85.83	1.00
	01/06/98				14.69	86.15	0.32
	04/14/98				14.45	86.39	0.24
	07/17/98				15.62	85.22	-1.17
	10/27/98				15.77	85.07	-0.15
	02/09/99				16.34	84.50	-0.57
	04/21/99				15.57	85.27	0.77
	07/13/99				13.66	87.18	1.91
	10/19/99				15.04	85.80	-1.38
	01/26/00				15.51	85.33	-0.47
	04/18/00				15.46	85.38	0.05
	07/26/00				15.68	85.16	-0.22
	10/19/00				14.32	86.52	1.36
	01/18/01				11.78	89.06	2.54
	04/12/01				12.03	88.81	-0.25
	07/19/01				14.13	86.71	-2.10
	10/17/01				13.21	87.63	0.92
	01/12/02				11.74	89.10	1.47
	04/20/02				12.02	88.82	-0.28
	07/24/02				13.92	86.92	-1.90
	10/15/02				13.23	87.61	0.69
	01/22/03				13.94	86.90	-0.71
	04/23/03				14.28	86.56	-0.34
	07/16/03				15.60	85.24	-1.32
	10/15/03				13.01	87.83	2.59
MW-7	01/23/91	35.00	Protective Casing	100.23	19.01	81.22	
	09/13/91				17.43	82.80	1.58
	11/21/91				16.00	84.23	1.43
	03/16/93				14.91	85.32	1.09
	01/09/94				15.99	84.24	-1.08
	04/19/94				15.83	84.40	0.16
	07/19/94				15.24	84.99	0.59
	10/24/94				15.32	84.91	-0.08
	01/24/95				15.54	84.69	-0.22
	04/02/95				16.00	84.23	-0.46
	07/31/95				15.57	84.66	0.43
	10/16/95				15.61	84.62	-0.04
	01/10/96				16.13	84.10	-0.52
	04/09/96				16.30	83.93	-0.17
	07/21/96				16.81	83.42	-0.51
	10/21/96				15.15	85.08	1.66
	01/21/97				14.81	85.42	0.34
	04/08/97				14.91	85.32	-0.10
	07/29/97				15.48	84.75	-0.57
	10/16/97				14.52	85.71	0.96
	01/06/98				13.27	86.96	1.25
	04/14/98				14.02	86.21	-0.75
	07/17/98				15.10	85.13	-1.08
	10/27/98				15.21	85.02	-0.11
	02/09/99				15.86	84.37	-0.65

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Artesia, New Mexico

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-7 (Cont.)	04/21/99				14.96	85.27	0.90
	07/13/99				13.03	87.20	1.93
	10/19/99				14.43	85.80	-1.40
	01/26/00				15.02	85.21	-0.59
	04/18/00				14.99	85.24	0.03
	07/26/00				15.12	85.11	-0.13
	10/19/00				14.22	86.01	0.90
	01/18/01				12.12	88.11	2.10
	04/12/01				12.10	88.13	0.02
	07/19/01				13.74	86.49	-1.64
	10/17/01				13.24	86.99	0.50
	01/12/02				12.22	88.01	1.02
	04/20/02				11.93	88.30	0.29
	07/24/02				13.48	86.75	-1.55
	10/15/02				13.00	87.23	0.48
	01/22/03				13.58	86.65	-0.58
	04/23/03				13.88	86.35	-0.30
	07/16/03				15.08	85.15	-1.20
	10/15/03				13.32	86.91	1.76
MW-8	01/23/91	35.00	Protective Casing	101.47	20.16	81.31	
	09/13/91				18.80	82.67	1.36
	11/21/91				17.29	84.18	1.51
	03/16/93				16.03	85.44	1.26
	01/09/94				17.23	84.24	-1.20
	04/19/94				17.05	84.42	0.18
	07/19/94				16.50	84.97	0.55
	10/24/94				16.56	84.91	-0.06
	01/24/95				16.79	84.68	-0.23
	04/02/95				17.24	84.23	-0.45
	07/31/95				16.94	84.53	0.30
	10/16/95				16.88	84.59	0.06
	01/10/96				17.38	84.09	-0.50
	04/09/96				17.54	83.93	-0.16
	07/21/96				18.10	83.37	-0.56
	10/21/96				16.40	85.07	1.70
	11/22/96				16.42	85.05	-0.02
	01/21/97				16.05	85.42	0.37
	04/08/97				16.11	85.36	-0.06
	07/29/97				16.69	84.78	-0.58
	10/16/97				15.69	85.78	1.00
	01/06/98				15.38	86.09	0.31
	04/14/98				15.15	86.32	0.23
	07/17/98				16.29	85.18	-1.14
	10/27/98				16.39	85.08	-0.10
	02/09/99				17.02	84.45	-0.63
	04/21/99				16.08	85.39	0.94
	07/13/99				14.13	87.34	1.95
	10/19/99				15.56	85.91	-1.43
	01/26/00				16.19	85.28	-0.63
	04/18/00				16.19	85.28	0.00
	07/26/00				16.30	85.17	-0.11
	10/19/00				15.55	85.92	0.75
	01/18/01				13.54	87.93	2.01
	04/12/01				13.42	88.05	0.12
	07/19/01				14.98	86.49	-1.56
	10/17/01				14.58	86.89	0.40
	01/12/02				13.67	87.80	0.91
	04/20/02				13.22	88.25	0.45
	07/24/02				14.72	86.75	-1.50
	10/15/02				14.23	87.24	0.49
	01/22/03				14.80	86.67	-0.57
	04/23/03				15.08	86.39	-0.28
	07/16/03				16.28	85.19	-1.20
	10/15/03				14.03	87.44	2.25
MW-9	01/26/91	30.00	Protective Casing	102.18	20.08	82.10	
	09/13/91				18.93	83.25	1.15
	11/21/91				17.35	84.83	1.58
	03/16/93				16.19	85.99	1.16
	01/09/94				17.31	84.87	-1.12
	04/19/94				17.33	84.85	-0.02
	07/19/94				16.85	85.33	0.48
	10/24/94				17.05	85.13	-0.20

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MW-9 (Cont.)	01/24/95				16.92	85.26	0.13
	04/02/95				17.23	84.95	-0.31
	07/31/95				17.30	84.88	-0.07
	10/16/95				17.16	85.02	0.14
	01/10/96				17.39	84.79	-0.23
	04/09/96				17.58	84.60	-0.19
	07/21/96				18.38	83.80	-0.80
	10/21/96				16.65	85.53	1.73
	01/21/97				16.12	86.06	0.53
	04/08/97				16.04	86.14	0.08
	07/29/97				16.67	85.51	-0.63
	10/16/97				15.29	86.89	1.38
	01/06/98				14.78	87.40	0.51
	04/14/98				14.89	87.29	-0.11
	07/17/98				16.30	85.88	-1.41
	10/27/98				16.62	85.56	-0.32
	02/09/99				17.14	85.04	-0.52
	04/21/99				16.38	85.80	0.76
	07/13/99				14.27	87.91	2.11
	10/19/99				15.75	86.43	-1.48
	01/26/00				16.30	85.88	-0.55
	04/18/00				16.40	85.78	-0.10
	07/26/00				16.53	85.65	-0.13
	10/19/00				15.70	86.48	0.83
	01/18/01			99.59	10.82	88.77	2.29
	04/12/01				10.49	89.10	0.33
	07/19/01				12.36	87.23	-1.87
	10/17/01				11.70	87.89	0.66
	01/12/02				10.50	89.09	1.20
	04/20/02				10.33	89.26	0.17
	07/24/02				12.14	87.45	-1.81
	10/15/02				11.49	88.10	0.65
	01/22/03				12.18	87.41	-0.69
	04/24/03				12.58	87.01	-0.40
	07/16/03				13.67	85.92	-1.09
	10/15/03				12.20	87.39	1.47
MW-10	01/26/91	30.00	Protective Casing	101.34	19.68	81.66	
	09/13/91				18.56	82.78	1.12
	11/21/91				16.96	84.38	1.60
	03/16/93				15.64	85.70	1.32
	01/09/94				16.89	84.45	-1.25
	04/19/94				16.73	84.61	0.16
	07/19/94				16.29	85.05	0.44
	10/24/94				16.39	84.95	-0.10
	01/24/95				16.48	84.86	-0.09
	04/02/95				16.88	84.46	-0.40
	07/31/95				16.82	84.52	0.06
	10/16/95				16.65	84.69	0.17
	01/10/96				17.01	84.33	-0.36
	04/09/96				17.20	84.14	-0.19
	07/21/96				17.85	83.49	-0.65
	10/21/96				16.13	85.21	1.72
	01/21/97				15.73	85.61	0.40
	04/08/97				15.70	85.64	0.03
	07/29/97				16.28	85.06	-0.58
	10/16/97				15.16	86.18	1.12
	01/06/98				14.74	86.60	0.42
	04/14/98				14.65	86.69	0.09
	07/17/98				15.90	85.44	-1.25
	10/27/98				16.04	85.30	-0.14
	02/09/99				16.61	84.73	-0.57
	04/21/99				15.68	85.66	0.93
	07/13/99				13.88	87.66	2.00
	10/19/99				15.15	86.19	-1.47
	01/26/00				15.76	85.58	-0.61
	04/18/00				15.82	85.52	-0.06
	07/26/00				15.92	85.42	-0.10
	10/19/00				15.30	86.04	0.62
	01/18/01			99.84	10.80	89.04	3.00

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MW-10 (Cont.)	04/12/01				10.58	89.26	0.22
	07/19/01				12.08	87.76	-1.50
	10/17/01				11.75	88.09	0.33
	01/12/02				10.75	89.09	1.00
	04/20/02				10.31	89.53	0.44
	07/24/02				11.81	88.03	-1.50
	10/15/02				11.33	88.51	0.48
	01/22/03				11.93	87.91	-0.60
	04/24/03				12.21	87.63	-0.28
	07/16/03				13.29	86.55	-1.08
	10/15/03				12.18	87.66	1.11
MW-11	01/26/91	30.00	Protective Casing	100.60	19.27	81.33	
	09/13/91				17.81	82.79	1.46
	11/21/91				16.35	84.25	1.46
	03/16/93				15.20	85.40	1.15
	01/09/94				16.31	84.29	-1.11
	04/19/94				16.17	84.43	0.14
	07/19/94				15.63	84.97	0.54
	10/24/94				15.72	84.88	-0.09
	01/24/95				15.89	84.71	-0.17
	04/02/95				16.33	84.27	-0.44
	07/31/95				16.03	84.57	0.30
	10/16/95				16.00	84.60	0.03
	01/10/96				16.45	84.15	-0.45
	04/09/96				16.62	83.98	-0.17
	07/21/96				17.21	83.39	-0.59
	10/21/96				15.52	85.08	1.69
	01/21/97				15.15	85.45	0.37
	04/08/97				15.19	85.41	-0.04
	07/29/97				15.78	84.82	-0.59
	10/16/97				14.75	85.85	1.03
	01/06/98				14.44	86.16	0.31
	04/14/98				14.22	86.38	0.22
	07/17/98				15.41	85.19	-1.19
	10/27/98				15.50	85.10	-0.09
	02/09/99				16.11	84.49	-0.61
	04/21/99				15.21	85.39	0.90
	07/13/99				13.25	87.35	1.96
	10/19/99				14.68	85.92	-1.43
	01/26/00				15.28	85.32	-0.60
	04/18/00				15.29	85.31	-0.01
	07/26/00				15.42	85.18	-0.13
	10/19/00				14.58	86.02	0.84
	01/18/01			98.20	10.08	88.12	2.10
	04/12/01				10.07	88.13	0.01
	07/19/01				11.67	86.53	-1.60
	10/17/01				11.15	87.05	0.52
	01/12/02				10.14	88.06	1.01
	04/20/02				9.83	88.37	0.31
	07/24/02				11.39	86.81	-1.56
	10/15/02				10.87	87.33	0.52
	01/22/03				11.47	86.73	-0.60
	04/23/03				11.77	86.43	-0.30
	07/16/03				12.97	85.23	-1.20
	10/15/03				11.37	86.83	1.60
MW-12	01/26/91	34.00	Protective Casing	100.69	19.24	81.45	
	09/13/91				17.59	83.10	1.65
	11/21/91				16.21	84.48	1.38
	03/16/93				15.22	85.47	0.99
	01/09/94				16.25	84.44	-1.03
	04/19/94				16.13	84.56	0.12
	07/19/94				15.63	85.06	0.50
	10/24/94				15.73	84.96	-0.10
	01/24/95				15.80	84.89	-0.07
	04/02/95				16.23	84.46	-0.43
	07/31/95				15.96	84.73	0.27
	10/16/95				15.93	84.76	0.03
	01/10/96				16.35	84.34	-0.42
	04/09/96				16.52	84.17	-0.17
	07/21/96				17.15	83.54	-0.63
	10/21/96				15.48	85.21	1.67
	01/21/97				15.04	85.65	0.44

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MW-12 Cont.	04/08/97				15.10	85.59	-0.06
	07/29/97				15.73	84.96	-0.63
	10/16/97				14.57	86.12	1.16
	01/06/98				14.22	86.47	0.35
	04/14/98				14.09	86.60	0.13
	07/17/98				15.35	85.34	-1.26
	10/27/98				15.36	85.33	-0.01
	02/09/99				16.00	84.69	-0.64
	04/21/99				15.19	85.50	0.81
	07/13/99				13.12	87.57	2.07
	10/19/99				14.63	86.06	-1.51
	01/26/00				15.18	85.51	-0.55
	04/18/00				15.22	85.47	-0.04
	07/28/00				15.38	85.31	-0.16
	10/19/00				14.35	86.34	1.03
	01/18/01			99.21	10.62	88.59	2.25
	04/12/01				10.61	88.60	0.01
	07/19/01				12.41	86.80	-1.80
	10/17/01				10.95	88.26	1.46
	04/20/02				9.88	89.33	1.07
	07/24/02				11.57	87.64	-1.69
	10/15/02				10.94	88.27	0.63
	01/22/03				11.70	87.51	-0.76
	04/24/03				12.04	87.17	-0.34
	07/16/03				13.19	86.02	-1.15
	10/15/03				11.40	87.81	1.79
MW-13	09/13/91	45.00	Protective Casing	99.25	15.10	84.15	
	11/21/91				13.95	85.30	1.15
	03/16/93				13.22	86.03	0.73
	01/09/94				14.03	85.22	-0.81
	04/19/94				13.90	85.35	0.13
	07/20/94				13.70	85.55	0.20
	10/24/94				13.86	85.39	-0.16
	01/24/95				13.56	85.69	0.30
	04/02/95				13.87	85.38	-0.31
	07/31/95				13.84	85.41	0.03
	10/16/95				13.83	85.42	0.01
	01/10/96				14.02	85.23	-0.19
	04/09/96				14.20	85.05	-0.18
	07/20/96				15.04	84.21	-0.84
	10/21/96				13.31	85.94	1.73
	01/21/97				12.70	86.55	0.61
	04/08/97				12.48	86.77	0.22
	07/29/97				13.43	85.82	-0.95
	10/16/97				12.02	87.23	1.41
	01/06/98				11.44	87.81	0.58
	04/14/98				11.50	87.75	-0.06
	07/17/98				13.10	86.15	-1.60
	10/27/98				13.58	85.67	-0.48
	02/09/99				13.81	85.44	-0.23
	04/21/99				13.22	86.03	0.59
	07/13/99				11.08	88.17	2.14
	10/20/99				12.84	86.61	-1.56
	01/26/00				12.96	86.29	-0.32
	04/18/00				13.08	86.17	-0.12
	07/26/00				12.88	86.37	0.20
	10/19/00				11.68	87.57	1.20
	01/18/01				8.88	90.37	2.80
	04/12/01				9.09	90.16	-0.21
	07/19/01				11.47	87.78	-2.38
	10/17/01				10.15	89.10	1.32
	01/12/02				8.48	90.77	1.67
	04/20/02				9.07	90.18	-0.59
	07/24/02				11.42	87.83	-2.35
	10/15/02				10.38	88.87	1.04
	01/22/03				11.28	87.97	-0.90
	04/24/03				11.80	87.45	-0.52
	07/16/03				12.98	86.27	-1.18
	10/15/03				10.48	88.77	2.50

Table 1 - Static Water Elevation Data, Schlumberger Oilfield Services Facility
Artesia, New Mexico

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-14	09/13/91	35.00	Protective Casing	98.74	14.60	84.14	
	11/21/91				13.61	85.13	0.99
	03/16/93				13.00	85.74	0.61
	01/09/94				13.71	85.03	-0.71
	04/19/94				13.63	85.11	0.08
	07/20/94				13.39	85.35	0.24
	10/24/94				13.48	85.26	-0.09
	01/25/95				13.26	85.48	0.22
	04/02/95				13.61	85.13	-0.35
	07/31/95				13.44	85.30	0.17
	10/16/95				13.52	85.22	-0.08
	01/10/96				13.76	84.98	-0.24
	04/09/96				13.96	84.78	-0.20
	07/20/96				14.74	84.00	-0.78
	10/21/96				13.03	85.71	1.71
	01/21/97				12.47	86.27	0.56
	04/08/97				12.44	86.30	0.03
	07/29/97				13.30	85.44	-0.86
	10/16/97				11.93	86.81	1.37
	01/06/98				11.46	87.28	0.47
	04/14/98				11.48	87.26	-0.02
	07/17/98				12.94	85.80	-1.46
	10/27/98				13.25	85.49	-0.31
	02/09/99				13.59	85.15	-0.34
	04/21/99				12.96	85.78	0.63
	07/13/99				10.85	87.89	2.11
	10/20/99				12.42	86.32	-1.57
	01/26/00				12.73	86.01	-0.31
	04/18/00				12.82	85.92	-0.09
	07/26/00				13.08	85.66	-0.26
	10/19/00				11.32	87.42	1.76
	01/18/01				8.48	90.26	2.84
	04/12/01				8.83	89.91	-0.35
	04/20/02				8.84	89.90	-0.01
	07/24/02				11.21	87.53	-2.37
	10/15/02				10.12	88.62	1.09
	04/24/03				11.54	87.20	-1.42
	07/16/03				12.74	86.00	-1.20
	10/15/03				10.07	88.67	2.67
MW-15	09/13/91	34.00	Protective Casing	100.05	16.30	83.75	
	11/21/91				15.01	85.04	1.29
	03/16/93				13.95	86.10	1.06
	01/09/94				14.91	85.14	-0.96
	04/19/94				14.80	85.25	0.11
	07/20/94				14.56	85.49	0.24
	10/24/94				14.73	85.32	-0.17
	01/24/95				16.00	84.05	-1.27
	04/02/95				14.80	85.25	1.20
	07/31/95				14.82	85.23	-0.02
	10/16/95				14.74	85.31	0.08
	01/10/96				14.95	85.10	-0.21
	04/09/96				15.11	84.94	-0.16
	07/20/96				15.96	84.09	-0.85
	10/21/96				14.22	85.83	1.74
	01/21/97				13.64	86.41	0.58
	04/08/97				13.53	86.52	0.11
	07/29/97				14.32	85.73	-0.79
	10/16/97				12.90	87.15	1.42
	01/06/98				12.30	87.75	0.60
	04/14/98				12.38	87.67	-0.08
	07/17/98				13.93	86.12	-1.55
	10/27/98				14.38	85.67	-0.45
	02/09/99				14.68	85.37	-0.30
	04/21/99				14.03	86.02	0.65
	07/13/99				11.90	88.15	2.13
	10/20/99				13.42	86.63	-1.52
	01/26/00				13.83	86.22	-0.41
	04/18/00				13.96	86.09	-0.13

Table 1 - Static Water Elevation Data, Schlumberger Oilfield Services Facility
Artesia, New Mexico

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-15 Cont.	07/26/00				14.14	85.91	-0.18
	10/19/00				12.90	87.15	1.24
	01/18/01				9.39	90.66	3.51
	04/12/01				12.38	87.67	-2.99
	07/19/01				12.44	87.61	-0.06
	01/12/02				10.10	89.95	2.34
	07/24/02				12.38	87.67	-2.28
	10/15/02				11.52	88.53	0.86
	01/22/03				12.30	87.75	-0.78
	04/24/03				12.74	87.31	-0.44
	07/16/03				13.89	86.16	-1.15
	10/15/03				11.96	88.09	1.93
MW-17D	04/02/95	19.00	Protective Casing	101.29	16.80	84.49	
	07/31/95				16.48	84.81	0.32
	10/16/95				16.51	84.78	-0.03
	01/10/96				16.90	84.39	-0.39
	04/09/96				17.10	84.19	-0.20
	07/21/96				17.70	83.59	-0.60
	10/21/96				16.02	85.27	1.68
	01/21/97				15.60	85.69	0.42
	04/08/97				15.64	85.65	-0.04
	07/29/97				16.32	84.97	-0.68
	10/16/97				15.11	86.18	1.21
	01/06/98				14.80	86.49	0.31
	04/14/98				14.68	86.61	0.12
	07/17/98				15.92	85.37	-1.24
	10/27/98				15.95	85.34	-0.03
	02/09/99				16.63	84.66	-0.68
	04/21/99				15.82	85.47	0.81
	07/13/99				13.77	87.52	2.05
	10/19/99				15.32	85.97	-1.55
	01/26/00				15.79	85.50	-0.47
	04/18/00				15.80	85.49	-0.01
	07/26/00				15.98	85.31	-0.18
	10/19/00				14.89	86.40	1.09
	01/18/01			99.00	10.33	88.67	2.27
	04/12/01				10.35	88.65	-0.02
	07/19/01				12.22	86.78	-1.87
	10/17/01				11.48	87.52	0.74
	01/12/02				10.19	88.81	1.29
	04/20/02				10.25	88.75	-0.06
	07/24/02				11.98	87.02	-1.73
	10/15/02				11.33	87.67	0.65
	01/22/03				12.09	86.91	-0.76
	04/24/03				12.43	86.57	-0.34
	07/16/03				13.59	85.41	-1.16
	10/15/03				11.74	87.26	1.85
MW-17A	04/02/95	26.00	Protective Casing	100.57	16.05	84.52	
	07/31/95				15.75	84.82	0.30
	10/16/95				15.77	84.80	-0.02
	01/10/96				16.18	84.39	-0.41
	04/09/96				16.37	84.20	-0.19
	07/21/96				16.98	83.59	-0.61
	10/21/96				15.30	85.27	1.68
	01/21/97				14.88	85.69	0.42
	04/08/97				14.92	85.65	-0.04
	07/29/97				15.59	84.98	-0.67
	10/16/97				14.41	86.16	1.18
	01/06/98				14.09	86.48	0.32
	04/14/98				13.95	86.62	0.14
	07/17/98				15.20	85.37	-1.25
	10/27/98				15.23	85.34	-0.03
	02/09/99				15.88	84.69	-0.65
	04/21/99				15.10	85.47	0.78
	07/13/99				13.02	87.55	2.08
	10/19/99				14.54	86.03	-1.52
	01/26/00				15.05	85.52	-0.51
	04/18/00				15.08	85.49	-0.03
	07/26/00				15.25	85.32	-0.17
	10/19/00				14.17	86.40	1.08
	01/18/01			98.77	10.09	88.68	2.28
	04/12/01				10.11	88.66	-0.02

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MW-17A Cont.	07/19/01				11.98	86.79	-1.87
	10/17/01				11.24	87.53	0.74
	01/12/02				9.94	88.83	1.30
	04/20/02				10.00	88.77	-0.06
	07/24/02				11.75	87.02	-1.75
	10/15/02				11.22	87.55	0.53
	01/22/03				11.85	86.92	-0.63
	04/24/03				12.18	86.59	-0.33
	07/16/03				13.36	85.41	-1.18
	10/15/03				11.49	87.28	1.87
MW-17B	04/02/95	34.00	Protective Casing	101.28	16.79	84.49	
	07/31/95				16.50	84.78	0.29
	10/16/95				16.51	84.77	-0.01
	01/10/96				16.92	84.36	-0.41
	04/09/96				17.10	84.18	-0.18
	07/21/96				17.71	83.57	-0.61
	10/21/96				16.02	85.26	1.69
	01/21/97				15.64	85.64	0.38
	04/08/97				15.67	85.61	-0.03
	07/29/97				16.30	84.98	-0.63
	10/16/97				15.16	86.12	1.14
	01/06/98				14.84	86.44	0.32
	04/14/98				14.70	86.58	0.14
	07/17/98				15.92	85.36	-1.22
	10/27/98				16.00	85.28	-0.08
	02/09/99				16.62	84.66	-0.62
	04/21/99				15.79	85.49	0.83
	07/13/99				13.77	87.51	2.02
	10/19/99				15.26	86.02	-1.49
	01/26/00				15.81	85.47	-0.55
	04/18/00				15.81	85.47	0.00
	07/26/00				15.98	85.30	-0.17
	10/19/00				14.94	86.34	1.04
	01/18/01			99.04	10.44	88.60	2.26
	04/12/01				10.44	88.60	0.00
	07/19/01				12.27	86.77	-1.83
	10/17/01				11.62	87.42	0.65
	01/12/02				10.32	88.72	1.30
	04/20/02				10.33	88.71	-0.01
	07/24/02				12.04	87.00	-1.71
	10/15/02				11.40	87.64	0.64
	01/22/03				12.17	86.87	-0.77
	04/24/03				12.48	86.56	-0.31
	07/16/03				13.64	85.40	-1.16
	10/15/03				11.83	87.21	1.81
MW-17C	04/02/95	61.00	Protective Casing	101.33	16.93	84.40	
	07/31/95				16.66	84.67	0.27
	10/16/95				16.64	84.69	0.02
	01/10/96				17.08	84.25	-0.44
	04/09/96				17.25	84.08	-0.17
	07/21/96				17.85	83.48	-0.60
	10/21/96				16.17	85.16	1.68
	01/21/97				15.75	85.58	0.42
	04/08/97				15.80	85.53	-0.05
	07/29/97				16.46	84.87	-0.66
	10/16/97				15.33	86.00	1.13
	01/06/98				15.00	86.33	0.33
	04/14/98				14.85	86.48	0.15
	07/17/98				16.09	85.24	-1.24
	10/27/98				16.17	85.16	-0.08
	02/09/99				16.77	84.56	-0.60
	04/21/99				15.95	85.38	0.82
	07/13/99				13.94	87.39	2.01
	10/19/99				15.43	85.90	-1.49
	01/26/00				15.94	85.39	-0.51
	04/18/00				15.95	85.38	-0.01
	07/26/00				16.11	85.22	-0.16
	10/19/00				15.03	86.30	1.08
	01/18/01			99.01	10.37	88.64	2.34
	04/12/01				10.37	88.64	0.00
	07/19/01				12.22	86.79	-1.85
	10/17/01				11.46	87.55	0.76

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MW-17C (Cont.)	01/12/02				10.22	88.79	1.24
	04/20/02				10.25	88.76	-0.03
	07/24/02				11.98	87.03	-1.73
	10/15/02				11.33	87.68	0.65
	01/22/03				12.09	86.92	-0.76
	04/24/03				12.43	86.58	-0.34
	07/16/03				13.59	85.42	-1.16
	10/15/03				11.70	87.31	1.89
MW-18	04/02/95	28.00	Protective Casing	98.72	14.77	83.95	
	07/31/95				14.21	84.51	0.56
	10/16/95				14.25	84.47	-0.04
	01/10/96				14.90	83.82	-0.65
	04/09/96				15.05	83.67	-0.15
	07/21/96				15.44	83.28	-0.39
	10/21/96				13.78	84.94	1.66
	11/22/96				13.84	84.88	-0.06
	01/21/97				13.54	85.18	0.30
	04/08/97				13.66	85.06	-0.12
	07/29/97				14.13	84.59	-0.47
	10/16/97				13.34	85.38	0.79
	01/06/98				13.13	85.59	0.21
	04/14/98				12.79	85.93	0.34
	07/17/98				13.75	84.97	-0.96
	10/27/98				13.82	84.90	-0.07
	02/09/99				14.58	84.14	-0.76
	04/21/99				13.58	85.14	1.00
	07/13/99				11.66	87.06	1.92
	10/19/99				13.01	85.71	-1.35
	01/26/00				13.73	84.99	-0.72
	04/18/00				13.65	85.07	0.08
	07/26/00				13.71	85.01	-0.06
	10/19/00				13.03	85.69	0.68
	01/18/01				11.23	87.49	1.80
	04/12/01				11.18	87.54	0.05
	07/19/01				12.43	86.29	-1.25
	10/17/01				12.17	86.55	0.26
	01/12/02				11.44	87.28	0.73
	04/20/02				10.59	88.13	0.85
	07/24/02				12.22	86.50	-1.63
	10/15/02				11.88	86.84	0.34
	01/22/03				12.40	86.32	-0.52
	04/23/04				12.64	86.08	-0.24
	07/16/03				13.79	84.93	-1.15
	10/15/03				12.38	86.34	1.41
MW-19	04/02/95	28.00	Protective Casing	99.08	14.86	84.22	
	07/31/95				14.29	84.79	0.57
	10/16/95				14.39	84.69	-0.10
	01/10/96				14.98	84.10	-0.59
	04/09/96				15.14	83.94	-0.16
	07/21/96				15.62	83.46	-0.48
	10/21/96				14.00	85.08	1.62
	11/22/96				14.03	85.05	-0.03
	01/21/97				13.69	85.39	0.34
	04/08/97				13.76	85.32	-0.07
	07/29/97				14.37	84.71	-0.61
	10/16/97				13.47	85.61	0.90
	01/06/98				13.21	85.87	0.26
	04/14/98				12.90	86.18	0.31
	07/17/98				13.96	85.12	-1.06
	10/27/98				14.11	84.97	-0.15
	02/09/99				14.74	84.34	-0.63
	04/21/99				13.91	85.17	0.83
	07/13/99				11.99	87.09	1.92
	10/19/99				13.35	85.73	-1.36
	01/26/00				13.92	85.16	-0.57
	04/18/00				13.84	85.24	0.08
	07/26/00				14.00	85.08	-0.16
	10/19/00				12.92	85.16	1.08
	01/18/01				10.66	88.42	2.26
	04/12/01				10.75	88.33	-0.09
	07/19/01				12.59	86.49	-1.84
	10/17/01				11.93	87.15	0.66

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MW-19 (Cont.)	01/12/02				10.78	88.30	1.15
	04/20/02				10.70	88.38	0.08
	07/24/02				12.35	86.73	-1.85
	10/15/02				11.82	87.26	0.53
	01/22/03				12.43	86.65	-0.61
	04/23/03				12.73	86.35	-0.30
	07/16/03				13.99	85.09	-1.26
	10/15/03				11.89	87.19	2.10
MW-20	11/22/96	28.00	Protective Casing	101.09	16.28	84.81	
	01/21/97				16.08	85.01	0.20
	04/08/97				16.04	85.05	0.04
	07/29/97				16.46	84.63	-0.42
	10/16/97				15.76	85.33	0.70
	01/06/98				15.61	85.48	0.15
	04/14/98				15.13	85.96	0.48
	07/17/98				16.15	84.94	-1.02
	10/27/98				16.07	85.02	0.08
	02/09/99				16.94	84.15	-0.87
	04/21/99				15.48	85.61	1.46
	07/13/99				13.50	87.59	1.98
	10/19/99				15.25	85.84	-1.75
	01/26/00				16.08	85.01	-0.83
	04/18/00				15.97	85.12	0.11
	07/26/00				15.84	85.25	0.13
	10/19/00				15.80	85.29	0.04
	01/18/01				14.37	86.72	1.43
	04/12/01				14.16	86.93	0.21
	07/19/01				14.66	86.43	-0.50
	10/17/01				15.07	86.02	-0.41
	01/12/02				14.70	86.39	0.37
	04/20/02				13.54	87.55	1.16
	07/24/02				14.59	86.50	-1.05
	10/15/02				14.42	86.67	0.17
	01/22/03				14.91	86.18	-0.49
	04/23/03				14.87	86.22	0.04
	07/16/03				15.93	85.16	-1.06
	10/15/03				15.69	85.40	0.24
MW-21	11/22/96	25.00	Protective Casing	98.88	14.36	84.52	
	01/21/97				14.26	84.62	0.10
	04/08/97			98.89	14.41	84.48	-0.14
	07/29/97				14.54	84.35	-0.13
	10/16/97				14.18	84.71	0.36
	01/06/98				14.17	84.72	0.01
	04/14/98				13.60	85.29	0.57
	07/17/98				14.21	84.68	-0.61
	10/27/98				14.22	84.67	-0.01
	02/09/99				15.29	83.60	-1.07
	04/21/99				13.94	84.95	1.35
	07/13/99				12.03	86.86	1.91
	10/19/99				13.41	85.48	-1.38
	01/26/00				14.42	84.47	-1.01
	04/18/00				14.21	84.68	0.21
	07/26/00				13.97	84.92	0.24
	10/19/00				13.77	85.12	0.20
	01/18/01				12.62	86.27	1.15
	04/12/01				12.53	86.36	0.09
	07/19/01				12.89	86.00	-0.36
	10/17/01				13.23	85.66	-0.34
	01/12/02				13.10	85.79	0.13
	04/20/02				12.09	86.80	1.01
	07/24/02				12.83	86.06	-0.74
	10/15/02				12.82	86.07	0.01
	01/22/03				13.30	85.59	-0.48
	04/23/03				13.28	85.61	0.02
	07/16/03				14.27	84.62	-0.99
	10/15/03				13.73	85.16	0.54
MW-22	11/22/96	24.50	Protective Casing	97.16	12.88	84.28	
	01/21/97				12.94	84.22	-0.06
	04/08/97			97.14	13.42	83.72	-0.50
	07/29/97				13.16	83.98	0.26
	10/16/97				13.23	83.91	-0.07
	01/06/98				13.46	83.68	-0.23
	04/14/98				12.80	84.34	0.66
	07/17/98				12.65	84.49	0.15
	10/27/98				12.90	84.24	-0.25

Table 1 - Static Water Elevation Data, Schlumberger Oilfield Services Facility
Artesia, New Mexico

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-22 (Cont.)	02/09/99				14.35	82.79	-1.45
	04/21/99				13.15	83.99	1.20
	07/13/99				11.45	85.69	1.70
	10/19/99				12.22	84.92	-0.77
	01/26/00				13.52	83.62	-1.30
	04/18/00				12.99	84.15	0.53
	07/26/00				12.63	84.51	0.36
	10/19/00				12.10	85.04	0.53
	01/18/01				11.19	85.95	0.91
	04/12/01				11.35	85.79	-0.16
	07/19/01				11.69	85.45	-0.34
	10/17/01				11.77	85.37	-0.08
	01/12/02				12.14	85.00	-0.37
	04/20/02				11.16	85.98	0.98
	07/24/02				11.53	85.61	-0.37
	10/15/02				11.83	85.31	-0.30
	01/22/03				12.36	84.78	-0.53
	04/23/03				12.35	84.79	0.01
	07/16/03				13.14	84.00	-0.79
	10/15/03				11.78	85.36	1.36
MW-23	11/22/96	25.00	Protective Casing	97.33	12.72	84.61	
	01/21/97				12.59	84.74	0.13
	04/08/97			97.30	13.07	84.23	-0.51
	07/29/97				13.14	84.16	-0.07
	10/16/97				13.06	84.24	0.08
	01/06/98				13.13	84.17	-0.07
	04/14/98				12.52	84.78	0.61
	07/17/98				12.64	84.66	-0.12
	10/27/98				12.84	84.46	-0.20
	02/09/99				14.16	83.14	-1.32
	04/21/99				13.25	84.05	0.91
	07/13/99				11.55	85.75	1.70
	10/19/99				12.39	84.91	-0.84
	01/26/00				13.33	83.97	-0.94
	04/18/00				12.81	84.49	0.52
	07/26/00				12.70	84.60	0.11
	10/19/00				11.54	85.76	1.16
	01/18/01				9.86	87.44	1.68
	04/12/01				10.19	87.11	-0.33
	07/19/01				11.54	85.76	-1.35
	10/17/01				11.24	86.06	0.30
	01/12/02				10.72	86.58	0.52
	04/20/02				10.30	87.00	0.42
	07/24/02				11.24	86.06	-0.94
	10/15/02				11.42	85.88	-0.18
	01/22/03				11.89	85.41	-0.47
	04/23/03				12.01	85.29	-0.12
	07/16/03				12.97	84.33	-0.96
	10/15/03				10.96	86.34	2.01
MW-24	11/22/96	27.00	Protective Casing	103.42	17.91	85.51	
	01/21/97				17.56	85.86	0.35
	04/08/97			103.41	17.40	86.01	0.15
	07/29/97				17.72	85.69	-0.32
	10/16/97				16.58	86.83	1.14
	01/06/98				16.01	87.40	0.57
	04/14/98				16.17	87.24	-0.16
	07/17/98				17.49	85.92	-1.32
	10/27/98				17.40	86.01	0.09
	02/09/99				18.09	85.32	-0.69
	04/21/99				16.98	86.43	1.11
	07/13/99				14.88	88.53	2.10
	10/19/99				16.51	86.90	-1.63
	01/26/00				17.27	86.14	-0.76
	04/18/00				17.37	86.04	-0.10
	07/26/00				17.40	86.01	-0.03
	10/19/00				17.61	85.80	-0.21
	01/18/01				15.88	87.53	1.73
	04/12/01				15.42	87.99	0.46
	07/19/01				16.38	87.03	-0.96
	10/17/01				16.64	86.77	-0.26
	01/12/02				15.99	87.42	0.65
	04/20/02				14.81	88.60	1.18
	07/24/02				16.14	87.27	-1.33
	10/15/02				15.75	87.66	0.39
	01/22/03				16.13	87.28	-0.38
	04/23/03				16.53	86.88	-0.40
	07/16/03				17.24	86.17	-0.71
	10/15/03				17.31	86.10	-0.07

Table 1 - Static Water Elevation Data, Schlumberger Oilfield Services Facility
Artesia, New Mexico

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-25	04/08/97	25.00	Protective Casing	97.64	14.23	83.41	-
	07/29/97				13.77	83.87	0.46
	10/16/97				13.99	83.65	-0.22
	01/06/98				14.37	83.27	-0.38
	04/14/98				13.65	83.99	0.72
	07/17/98				13.26	84.38	0.39
	10/27/98				13.57	84.07	-0.31
	02/09/99				15.17	82.47	-1.60
	04/21/99				13.75	83.89	1.42
	07/13/99				12.16	85.48	1.59
	10/19/99				12.81	84.83	-0.65
	01/26/00				14.33	83.31	-1.52
	04/18/00				13.69	83.95	0.64
	07/26/00				13.25	84.39	0.44
	10/19/00				12.83	84.81	0.42
	01/18/01				12.26	85.38	0.57
	04/12/01				12.44	85.20	-0.18
	07/19/01				12.36	85.28	0.08
	10/17/01				12.60	85.04	-0.24
	01/12/02				13.26	84.38	-0.66
	04/20/02				12.12	85.52	1.14
	07/24/02				12.28	85.36	-0.16
	10/15/02				12.66	84.98	-0.38
	01/22/03				13.22	84.42	-0.56
	04/23/03				13.10	84.54	0.12
	07/16/03				13.82	83.82	-0.72
	10/15/03				12.72	84.92	1.10
MW-26	04/08/97	25.00	Protective Casing	96.11	13.06	83.05	-
	07/29/97				12.23	83.88	0.83
	10/16/97				12.75	83.36	-0.52
	01/06/98				13.40	82.71	-0.65
	04/14/98				12.61	83.50	0.79
	07/17/98				11.64	84.47	0.97
	10/27/98				12.16	83.95	-0.52
	02/09/99				14.13	81.98	-1.97
	04/21/99				12.41	83.70	1.72
	07/13/99				11.11	85.00	1.30
	10/19/99				11.40	84.71	-0.29
	01/26/00				13.29	82.82	-1.89
	04/18/00				12.27	83.84	1.02
	07/26/00				11.75	84.36	0.52
	10/19/00				11.30	84.81	0.45
	01/18/01				11.12	84.99	0.18
	04/12/01				11.44	84.67	-0.32
	07/19/01				10.98	85.13	0.46
	10/17/01				11.12	84.99	-0.14
	01/12/02				12.42	83.69	-1.30
	04/20/02				11.04	85.07	1.38
	07/24/02				11.03	85.08	0.01
	10/15/02				11.59	84.52	-0.56
	01/22/03				12.26	83.85	-0.67
	04/23/03				12.01	84.10	0.25
	07/16/03				12.53	83.58	-0.52
	10/15/03				11.19	84.92	1.34
MW-27	04/08/97	25.00	Protective Casing	96.17	13.06	83.11	-
	07/29/97				12.21	83.96	0.85
	10/16/97				12.79	83.38	-0.58
	01/06/98				13.56	82.61	-0.77
	04/14/98				12.75	83.42	0.81
	07/17/98				11.53	84.64	1.22
	10/27/98				12.09	84.08	-0.56
	02/09/99				14.29	81.88	-2.20
	04/21/99				12.53	83.64	1.76
	07/13/99				11.41	84.76	1.12
	10/19/99				11.48	84.69	-0.07
	01/26/00				13.52	82.65	-2.04
	04/18/00				12.25	83.92	1.27
	07/26/00				11.75	84.42	0.50
	10/19/00				11.06	85.11	0.69
	01/18/01				10.83	85.34	0.23
	04/12/01				11.34	84.83	-0.51
	07/19/01				11.00	85.17	0.34
	10/17/01				11.03	85.14	-0.03

Table 1 - Static Water Elevation Data, Schlumberger Oilfield Services Facility
Artesia, New Mexico

WELL NUMBER	DATE MEASURED	TOTAL WELL DEPTH (Ft)	MEASURING POINT	MEASURING POINT ELEVATION* (ft)	DEPTH TO GROUND WATER (ft)	STATIC WATER ELEVATION (Ft)	DIFFERENCE FROM PRIOR MEASUREMENT
MW-27 (Cont.)	01/12/02				12.33	83.84	-1.30
	04/20/02				10.85	85.32	1.48
	07/24/02				10.91	85.26	-0.06
	10/15/02				11.64	84.53	-0.73
	01/22/03				12.30	83.87	-0.66
	04/23/03				11.94	84.23	0.36
	07/16/03				12.50	83.67	-0.56
	10/15/03				10.73	85.44	1.77
MW-28	07/17/98	25.00	Protective Casing	97.93	14.32	83.61	-
	10/27/98				14.43	83.50	-0.11
	02/09/99				15.71	82.22	-1.28
	04/21/99				14.28	83.65	1.43
	07/13/99				12.41	85.52	1.87
	10/19/99				13.48	84.45	-1.07
	01/26/00				14.78	83.15	-1.30
	04/18/00				14.49	83.44	0.29
	07/26/00				13.98	83.95	0.51
	10/19/00				13.92	84.01	0.06
	01/18/01				13.49	84.44	0.43
	04/12/01				13.57	84.36	-0.08
	07/19/01				13.16	84.77	0.41
	10/17/01				13.72	84.21	-0.55
	01/12/02				14.32	83.61	-0.60
	04/20/02				13.27	84.66	1.05
	07/24/02				13.18	84.75	0.09
	10/15/02				13.40	84.53	-0.22
	01/22/03				13.95	83.98	-0.55
	04/23/03				13.79	84.14	0.16
	07/16/03				14.36	83.57	-0.57
	10/15/03				14.20	83.73	0.16
MW-29	07/17/98	25.00	Protective Casing	97.04	14.07	82.97	-
	10/27/98				14.36	82.68	-0.29
	02/09/99				15.83	81.21	-1.47
	04/21/99				14.48	82.56	1.35
	07/13/99				12.84	84.20	1.64
	10/19/99				13.35	83.69	-0.51
	01/26/00				14.87	82.17	-1.52
	04/18/00				14.37	82.67	0.50
	07/26/00				13.72	83.32	0.65
	10/19/00				13.61	83.43	0.11
	01/18/01				13.51	83.53	0.10
	04/12/01				13.75	83.29	-0.24
	07/19/01				13.14	83.90	0.61
	10/17/01				13.48	83.56	-0.34
	01/12/02				14.52	82.52	-1.04
	04/20/02				13.58	83.46	0.94
	07/24/02				13.18	83.86	0.40
	10/15/02				13.52	83.52	-0.34
	01/22/03				14.14	82.90	-0.62
	04/23/03				14.00	83.04	0.14
	07/16/03				14.44	82.60	-0.44
	10/15/03				13.93	83.11	0.51
MW-30	07/17/98	25.00	Protective Casing	96.58	12.68	83.90	-
	10/27/98				13.12	83.46	-0.44
	02/09/99				14.88	81.70	-1.76
	04/21/99				13.38	83.20	1.50
	07/13/99				11.85	84.73	1.53
	10/19/99				12.28	84.30	-0.43
	01/26/00				14.00	82.58	-1.72
	04/18/00				13.21	83.37	0.79
	07/26/00				12.62	83.96	0.59
	10/19/00				12.32	84.26	0.30
	01/18/01				12.18	84.40	0.14
	04/12/01				12.44	84.14	-0.26
	07/19/01				11.91	84.67	0.53
	10/17/01				12.09	84.49	-0.18
	01/12/02				13.32	83.26	-1.23
	04/20/02				12.15	84.43	1.17
	07/24/02				11.92	84.66	0.23
	10/15/02				12.40	84.18	-0.48
	01/22/03				13.05	83.53	-0.65
	04/23/03				12.84	83.74	0.21
	07/16/03				13.35	83.23	-0.51
	10/15/03				12.40	84.18	0.95

NOTES:

NM = not measured

* = measured from a temporary benchmark of arbitrary elevation = 100.00 feet.

Benchmark is located on the concrete right up against the east shop wall,
at the northeast corner of the shop.

** = water level measurement may be in error

Table 2 - Summary of Laboratory Analytical Results, Ground-Water Samples, Schlumberger Oilfield Services Facility, Artesia, New Mexico

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL- BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO- ETHANE (mg/L)	TOTAL BTEX (mg/L)	HALO- CARBONS (mg/L)
MW-1	01/26/91	0.033	ND(0.005)	0.029	0.130	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.192	0.000
	09/15/91	ND(0.001)	ND(0.001)	0.002	0.009	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.011	0.000
	11/22/91	0.026	ND(0.001)	0.007	0.014	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.047	0.000
	03/16/93	0.016	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.016	0.000
	01/10/94	0.006	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	0.000
	04/19/94	0.035	0.001	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.036	0.000
	07/20/94	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.000
	10/25/94	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	0.000
	01/25/95	0.025	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025	0.000
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.000	0.000
	08/01/95	0.082	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.090	0.000
	10/18/95	0.064	0.004	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.068	0.000
	01/10/96	0.076	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.083	0.000
	04/13/96	0.048	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.048	0.000
	07/21/96	0.040	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.040	0.000
	10/22/96	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	0.000
	01/24/97	0.002	0.001	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.000
MW-2	04/09/97	0.006	0.002	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.008	0.000
	07/30/97	0.018	0.004	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.022	0.000
	10/17/97	0.026	0.003	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.029	0.000
	10/19/99	ND(0.001)	0.002	0.004	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	0.000
	10/19/00	0.001	0.017	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.018	0.000
	10/18/01	ND(0.001)	0.021	ND(0.001)	0.017	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.038	0.000
	10/16/02	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.000
	10/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	01/26/91	0.210	0.590	0.071	1.700	0.048	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.110	ND(0.001)	2.571	0.158
	01/26/91	0.190	0.450	0.062	1.300	0.043	ND(0.001)	ND(0.001)	ND(0.001)	0.011	ND(0.001)	0.078	ND(0.001)	2.002	0.121
	09/15/91	0.120	0.050	0.006	0.690	0.100	ND(0.005)	0.005	0.005	0.023	ND(0.005)	0.150	ND(0.005)	0.866	0.278
	11/22/91	0.033	0.001	0.001	0.088	0.110	ND(0.001)	0.007	0.007	0.016	ND(0.001)	0.064	ND(0.001)	0.123	0.197
	03/16/93	0.019	ND(0.001)	ND(0.001)	ND(0.005)	0.060	ND(0.001)	0.002	0.002	0.003	ND(0.001)	0.028	ND(0.001)	0.019	0.093
	01/10/94	0.024	ND(0.001)	0.001	ND(0.005)	0.039	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.079	ND(0.001)	0.025	0.119
	04/19/94	0.045	0.004	ND(0.005)	ND(0.005)	0.028	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001	0.048	ND(0.005)	0.049	0.077
	04/19/94	0.043	0.005	ND(0.005)	ND(0.005)	0.030	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001	0.052	ND(0.005)	0.048	0.083
	07/20/94	0.022	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	0.022	0.047
	10/25/94	0.045	0.008	ND(0.005)	ND(0.005)	0.030	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001	0.037	ND(0.005)	0.053	0.068
	01/25/95	0.057	0.022	ND(0.005)	ND(0.005)	0.024	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.079	ND(0.005)	0.079	0.103
	04/03/95	0.050	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.035	ND(0.005)	0.050	0.061
	08/01/95	0.032	0.021	ND(0.005)	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.053	0.060
	10/18/95	0.078	0.040	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.002	0.088	ND(0.005)	0.118	0.105
Dup. *	10/18/95	0.081	0.045	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.003	0.097	ND(0.005)	0.126	0.117
	01/11/96	0.220	0.200	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.260	ND(0.005)	0.420	0.270
	04/13/96	0.095	0.130	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.140	ND(0.005)	0.335	0.140
	07/21/96	0.092	0.079	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.061	ND(0.005)	0.171	0.061

Table 2 - Summary of Laboratory Analytical Results, Ground-Water Samples, Schlumberger Oilfield Services Facility, Artesia, New Mexico

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,4-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	BTEX (mg/L)	TOTAL HALO-CARBONS (mg/L)
MW-2 Cont.	10/22/96	0.014	0.012	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018	0.026	0.026	0.018
	01/24/97	0.012	0.018	ND(0.001)	ND(0.002)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.024	0.030	0.030	0.029
	04/09/97	0.015	0.029	ND(0.002)	ND(0.004)	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.007	0.034	0.044	0.044	0.043
	07/30/97	0.010	0.045	ND(0.002)	ND(0.004)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.009	0.050	0.055	0.055	0.061
	10/17/97	0.004	0.024	ND(0.002)	ND(0.004)	0.001	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.008	0.031	0.028	0.028	0.040
	10/28/98	0.002	0.035	ND(0.002)	0.031	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.011	0.054	0.068	0.068	0.065
	10/28/98	ND(0.005)	0.043	ND(0.005)	ND(0.01)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	0.061	0.043	0.043	0.073
	04/22/99	0.001	0.026	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.012	0.036	0.027	0.027	0.048
	10/20/99	ND(0.0025)	0.038	0.002	ND(0.005)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.015	0.054	0.040	0.040	0.054
	10/20/99	ND(0.005)	0.035	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.013	0.037	0.037	0.069
Dup.	10/19/00	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.013	ND(0.001)	0.002	0.015
Dup.	10/18/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.014	ND(0.001)	0.000	0.018
	10/18/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.016	ND(0.001)	0.000	0.021
	10/16/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.014	0.014	ND(0.001)	0.000	0.016
	10/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.006	0.006	ND(0.001)	0.000	0.006
MW-3	01/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000
	09/15/91	0.200	1.200	1.200	14.000	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.330	ND(0.2)	ND(0.2)	16.600	16.600	0.330
	11/22/91	0.110	0.680	0.530	6.800	0.094	0.004	0.190	0.190	0.110	0.150	0.057	8.120	8.120	0.605
	03/16/93	ND(0.001)	1.000	0.650	8.600	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.260	ND(0.001)	0.000	10.250	10.250	0.260
	03/16/93	0.130	0.780	0.540	9.000	ND(0.001)	ND(0.001)	0.044	0.044	0.260	0.037	0.330	10.450	10.450	0.671
	07/01/93	0.140	1.000	0.520	9.100	0.140	ND(0.05)	ND(0.05)	ND(0.05)	0.160	ND(0.05)	ND(0.05)	10.760	10.760	0.300
	01/10/94	0.140	1.000	0.700	11.000	0.130	ND(0.1)	ND(0.1)	ND(0.1)	0.210	ND(0.1)	ND(0.1)	12.840	12.840	0.400
	04/19/94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.000	0.000	0.000
	07/20/94	0.092	0.460	0.160	3.000	0.077	0.002	0.036	0.036	0.069	0.064	0.011	3.712	3.712	0.259
	10/25/94	0.130	0.960	0.250	4.200	0.200	ND(0.05)	0.064	0.064	0.069	0.130	0.210	5.540	5.540	0.604
	10/25/94	0.110	0.830	0.300	4.700	0.180	ND(0.05)	0.051	0.051	ND(0.05)	0.100	0.024	5.940	5.940	0.355
Dup.	01/25/95	ND(1)	0.810	ND(1)	7.100	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	7.910	7.910	0.000
	04/03/95	0.047	0.450	ND(0.025)	1.300	0.100	ND(0.025)	0.110	0.110	ND(0.025)	0.150	ND(0.025)	1.697	1.697	0.370
	08/01/95	0.088	0.950	0.190	6.500	0.230	ND(0.05)	0.066	0.066	ND(0.05)	0.081	ND(0.05)	7.728	7.728	0.400
	10/18/95	0.100	1.100	0.240	8.200	0.280	ND(0.05)	0.089	0.089	0.049	0.089	0.042	9.640	9.640	0.526
#	01/11/96	0.054	0.620	0.081	4.990	0.150	ND(0.05)	0.076	0.076	ND(0.05)	0.100	ND(0.05)	5.745	5.745	0.326
	04/13/96	0.039	0.480	ND(0.005)	3.900	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	0.014	4.419	4.419	0.051
	07/22/96	0.060	0.190	0.056	0.890	0.130	ND(0.005)	0.009	0.009	0.009	0.054	0.014	1.196	1.196	0.216
	10/22/96	ND(0.1)	0.580	ND(0.1)	3.500	0.150	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	4.080	4.080	0.150
	01/24/97	0.048	0.269	0.012	0.886	0.077	0.004	0.043	0.043	ND(0.010)	0.070	0.007	1.215	1.215	0.201
	04/09/97	0.034	0.137	ND(0.010)	0.146	0.065	ND(0.010)	0.064	0.064	ND(0.010)	0.107	0.013	0.318	0.318	0.249
	07/30/97	0.019	0.177	ND(0.010)	0.844	0.057	ND(0.010)	0.043	0.043	ND(0.010)	0.103	0.035	0.840	0.840	0.238
	10/17/97	0.044	0.464	0.041	3.300	0.069	ND(0.020)	0.016	0.016	ND(0.020)	0.018	0.016	3.849	3.849	0.119
	01/07/98	0.042	0.503	0.051	3.720	0.086	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	4.316	4.316	0.086
	04/15/98	0.018	0.078	ND(0.020)	0.431	0.055	ND(0.020)	0.044	0.044	ND(0.020)	0.080	ND(0.020)	0.527	0.527	0.179
Dup.	04/15/98	0.018	0.077	ND(0.020)	0.416	0.052	ND(0.020)	0.044	0.044	ND(0.020)	0.079	ND(0.020)	0.511	0.511	0.175
	07/18/98	0.009	0.036	ND(0.005)	0.027	0.050	ND(0.005)	0.052	0.052	ND(0.005)	0.083	0.022	0.072	0.072	0.207
	10/28/98	0.016	0.187	ND(0.020)	1.239	0.053	ND(0.020)	0.029	0.029	ND(0.020)	0.056	0.029	1.442	1.442	0.167
	02/09/99	0.016	0.117	0.012	0.763	0.051	0.002	0.036	0.036	ND(0.001)	0.051	0.024	0.908	0.908	0.164
	04/22/99	0.009	0.054	ND(0.0025)	0.084	0.049	ND(0.0025)	0.040	0.040	ND(0.0025)	0.061	0.026	0.147	0.147	0.176
	07/13/99	0.038	0.406	0.026	2.147	0.042	ND(0.0025)	0.009	0.009	ND(0.0025)	0.005	0.014	2.617	2.617	0.070
	10/20/99	0.013	0.576	0.024	4.460	0.044	ND(0.0025)	0.005	0.005	ND(0.0025)	0.007	0.027	5.073	5.073	0.083
	01/25/00	0.013	0.153	ND(0.010)	0.365	0.052	ND(0.010)	0.023	0.023	ND(0.010)	0.041	0.025	0.531	0.531	0.141
	04/21/00	0.005	0.027	ND(0.0025)	0.024	0.046	ND(0.0025)	0.024	0.024	ND(0.0025)	0.046	0.030	0.056	0.056	0.149
	04/21/00	0.005	0.027	ND(0.0025)	0.021	0.046	ND(0.0025)	0.027	0.027	ND(0.0025)	0.046	0.030	0.053	0.053	0.149
Dup.	07/27/00	0.019	0.549	0.014	2.720	0.040	ND(0.005)	0.007	0.006	ND(0.005)	0.009	0.026	3.302	3.302	0.088

Table 2 - Summary of Laboratory Analytical Results, Ground-Water Samples, Schlumberger Oilfield Services Facility, Artesia, New Mexico

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALO-CARBONS (mg/L)
MW-3 (Cont.)	10/19/00	0.003	0.012	ND(0.0025)	0.024	0.031	ND(0.0025)	0.018	0.005	ND(0.0025)	0.021	0.020	ND(0.0025)	0.039	0.095
	01/18/01	0.010	0.020	ND(0.005)	0.016	0.046	ND(0.005)	0.017	ND(0.005)	ND(0.005)	0.022	0.044	ND(0.005)	0.046	0.129
	04/12/01	0.013	ND(0.005)	ND(0.005)	0.019	0.050	ND(0.005)	0.011	ND(0.005)	ND(0.005)	0.017	0.023	ND(0.005)	0.032	0.101
	04/12/01	0.016	0.005	ND(0.005)	0.022	0.019	ND(0.005)	0.013	ND(0.005)	ND(0.005)	0.018	0.024	ND(0.005)	0.043	0.074
	07/19/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.042	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.011	0.012	ND(0.001)	0.000	0.065
MW-4	01/26/91	0.088	0.011	ND(0.001)	0.025	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.134	0.000
	09/15/91	0.260	ND(0.002)	ND(0.002)	0.015	0.006	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.275	0.006
	11/22/91	0.180	0.100	0.001	0.037	ND(0.001)	ND(0.001)	0.019	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.318	0.019
	03/16/93	0.072	0.051	ND(0.001)	ND(0.005)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.123	0.001
	01/10/94	0.064	0.074	ND(0.001)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.138	0.000
	04/19/94	0.074	0.085	ND(0.005)	0.003	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.162	0.000
	07/20/94	0.100	0.053	ND(0.005)	0.005	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.158	0.000
	10/25/94	0.140	0.260	ND(0.005)	0.004	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	ND(0.005)	0.404	0.005
	01/25/95	0.150	0.400	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.550	0.000
	04/03/95	0.100	0.190	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	ND(0.005)	ND(0.005)	0.290	0.000
	08/01/95	0.089	0.570	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	ND(0.005)	ND(0.005)	0.639	0.005
	10/18/95	ND(0.005)	0.110	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.110	0.000
	01/11/96	ND(0.005)	0.036	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.036	0.000
	04/13/96	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.000
	04/13/96	ND(0.005)	0.007	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	0.000
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.000	0.000
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.000	0.000
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/17/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
dup.	10/28/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000
	04/22/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/20/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/19/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/19/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
MW-5	01/26/91	0.014	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.002	ND(0.001)	0.001	ND(0.001)	0.010	ND(0.001)	0.014	0.017
	09/15/91	ND(0.001)	0.001	ND(0.001)	ND(0.005)	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.018	ND(0.001)	0.001	0.023
	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.018	ND(0.001)	0.000	0.023
	03/16/93	0.078	0.007	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.003	ND(0.001)	0.001	0.026	0.085	0.085	0.043	0.043
	01/10/94	0.025	ND(0.001)	ND(0.001)	ND(0.005)	0.008	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.026	0.025	0.034	0.034
Dup.	04/19/94	0.070	0.011	ND(0.005)	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.002	0.015	0.081	0.025	0.025
	07/20/94	0.220	0.041	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004	0.025	0.261	0.040	0.040
	07/20/94	0.320	0.076	ND(0.005)	0.001	0.026	ND(0.005)	0.002	ND(0.005)	0.006	0.039	0.397	0.397	0.073	0.073
	10/25/94	0.240	0.059	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.002	ND(0.005)	0.008	0.043	0.299	0.299	0.073	0.073
	01/25/95	0.460	0.130	ND(0.005)	ND(0.005)	0.023	ND(0.005)	0.002	ND(0.005)	0.018	0.093	0.590	0.590	0.136	0.136
	04/03/95	0.390	0.087	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	0.062	0.477	0.477	0.077	0.077
	08/01/95	0.170	0.082	ND(0.005)	ND(0.005)	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.018	0.049	0.252	0.252	0.080	0.080
	10/18/95	0.200	0.093	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	0.021	0.054	0.293	0.293	0.086	0.086
	01/11/96	0.078	0.012	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.025	0.090	0.090	0.033	0.033
	04/13/96	0.068	0.037	ND(0.005)	0.027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	0.132	0.132	0.025	0.025
	07/21/96	0.092	0.057	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.025	0.149	0.149	0.025	0.025
	10/22/96	0.066	0.023	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	0.089	0.089	0.020	0.020

Table 2 - Summary of Laboratory Analytical Results, Ground-Water Samples, Schlumberger Oilfield Services Facility, Artesia, New Mexico

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DEE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALO-CARBONS (mg/L)
MW-5 (Cont.)	01/24/97	0.031	0.025	ND(0.001)	ND(0.002)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.019		0.056	0.024
	04/09/97	0.040	0.040	ND(0.002)	ND(0.004)	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.004	0.028		0.080	0.035
	07/30/97	0.018	0.044	ND(0.002)	ND(0.004)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.003	0.029		0.062	0.034
	10/17/97	0.016	0.048	ND(0.002)	ND(0.004)	0.001	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.004	0.033		0.064	0.038
	10/28/98	0.006	0.009	ND(0.002)	ND(0.004)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.006	0.027		0.015	0.033
	10/20/99	0.012	0.008	0.002	ND(0.002)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.007	0.034		0.022	0.044
	10/19/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.006	ND(0.001)	0.000	0.008
	10/18/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.004	ND(0.001)	0.000	0.006
	10/16/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.011	ND(0.001)	0.000	0.014
	10/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.003
	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.170		0.007	ND(0.001)	0.083		0.000	0.267
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.006	ND(0.001)	0.084		ND(0.001)	ND(0.001)	0.043		0.000	0.133
MW-6	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.005	ND(0.001)	0.064		ND(0.001)	ND(0.001)	0.035		0.000	0.104
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.098		0.001	ND(0.001)	0.056		0.000	0.162
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.140		0.002	ND(0.001)	0.120		0.000	0.279
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.070		0.002	ND(0.005)	0.072		0.000	0.157
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.098		0.001	ND(0.005)	0.065		0.000	0.173
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.110		0.001	ND(0.005)	0.073		0.000	0.197
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.079		ND(0.005)	ND(0.005)	0.059		0.000	0.150
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.065		ND(0.005)	ND(0.005)	0.057		0.000	0.134
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.074		ND(0.005)	ND(0.005)	0.048		0.000	0.137
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.060		ND(0.005)	ND(0.005)	0.030		0.000	0.103
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.051		ND(0.005)	ND(0.005)	0.029		0.000	0.093
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.042		ND(0.005)	ND(0.005)	0.022		0.000	0.075
Dup.	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.012	ND(0.005)	0.047		ND(0.005)	ND(0.005)	0.021		0.000	0.080
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.037		ND(0.005)	ND(0.005)	0.016		0.000	0.064
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.041		ND(0.005)	ND(0.005)	0.016		0.000	0.070
	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.025		ND(0.001)	ND(0.001)	0.006		0.000	0.041
	04/09/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.010	ND(0.002)	0.025		ND(0.002)	ND(0.002)	0.009		0.000	0.044
	07/30/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.006	ND(0.002)	0.016		ND(0.002)	ND(0.002)	0.008		0.000	0.030
	10/17/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.011	ND(0.002)	0.023		ND(0.002)	ND(0.002)	0.007		0.000	0.041
	10/28/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.007	ND(0.002)	0.016		ND(0.002)	ND(0.002)	0.008		0.000	0.031
	10/19/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.024		ND(0.001)	ND(0.001)	0.010		0.000	0.044
	10/19/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.016	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.000	0.031
	10/18/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.003
	10/16/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
MW-7	01/26/91	0.006	ND(0.001)	ND(0.001)	ND(0.005)	0.021	ND(0.001)	0.260		0.010	0.088	0.200		0.006	0.559
	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.038	ND(0.001)	0.320		0.005	0.069	0.270		0.009	0.702
	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.034	ND(0.001)	0.310		0.006	0.069	0.280		0.009	0.699
	11/22/91	0.009	ND(0.005)	ND(0.005)	ND(0.025)	0.035	ND(0.005)	0.260		ND(0.005)	0.053	0.310		0.009	0.758
	03/16/93	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.027	ND(0.001)	0.280		0.002	0.050	0.160		0.007	0.519
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.023	ND(0.001)	0.210		0.004	0.046	0.160		0.005	0.443
	04/19/94	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	0.120		0.003	0.038	0.120		0.007	0.302
	07/20/94	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.220		0.003	0.040	0.160		0.006	0.441
	10/25/94	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.230		ND(0.005)	0.050	0.240		0.007	0.553
	10/25/94	0.006	ND(0.025)	ND(0.025)	ND(0.025)	0.026	ND(0.025)	0.200		ND(0.025)	0.045	0.230		0.006	0.501
	01/25/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.210		0.002	0.041	0.330		0.005	0.610
	04/03/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.290		ND(0.005)	0.038	0.260		0.006	0.617
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.038	ND(0.005)	0.300		ND(0.005)	0.051	0.250		0.000	0.639
	10/18/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.300		0.002	0.045	0.300		0.005	0.671
	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.260		ND(0.005)	0.035	0.250		0.006	0.572

Table 2 - Summary of Laboratory Analytical Results, Ground-Water Samples, Schlumberger Oilfield Services Facility, Artesia, New Mexico

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALO-CARBONS (mg/L)
MW-10 Cont.	10/16/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.035	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.038
Dup.	10/16/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.035	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.037
	10/16/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.035	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.037
MW-11	01/26/91	0.010	ND(0.005)	ND(0.005)	ND(0.025)	0.045	ND(0.005)	0.310	ND(0.005)	ND(0.005)	0.140	0.360	ND(0.001)	0.010	0.855
	09/15/91	0.056	ND(0.001)	ND(0.001)	ND(0.005)	0.068	ND(0.001)	0.470	ND(0.001)	0.017	0.120	0.330	ND(0.001)	0.056	1.005
*	11/22/91	0.048	ND(0.001)	ND(0.001)	ND(0.005)	0.052	ND(0.001)	0.470	ND(0.001)	0.018	0.110	0.320	ND(0.001)	0.048	0.890
*	03/16/93	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.040	ND(0.001)	0.220	ND(0.001)	0.004	0.074	0.160	ND(0.001)	0.005	0.498
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.042	ND(0.001)	0.250	ND(0.001)	ND(0.001)	0.083	0.320	ND(0.001)	0.005	0.895
	04/19/94	0.009	ND(0.005)	0.002	ND(0.005)	0.042	ND(0.005)	0.170	ND(0.005)	0.006	0.079	0.170	ND(0.001)	0.011	0.467
	07/20/94	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.460	ND(0.025)	0.010	0.120	0.360	ND(0.001)	0.000	1.007
	10/25/94	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.067	ND(0.005)	0.220	ND(0.005)	ND(0.005)	0.110	0.300	ND(0.001)	0.009	0.898
	01/25/95	0.012	ND(0.005)	ND(0.005)	ND(0.005)	0.072	ND(0.005)	0.240	ND(0.005)	0.014	0.120	0.360	ND(0.001)	0.012	0.806
	04/03/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.410	ND(0.005)	0.013	0.100	0.430	ND(0.001)	0.009	1.015
	08/01/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.050	ND(0.005)	0.360	ND(0.005)	0.014	0.063	0.330	ND(0.001)	0.007	0.817
Dup.	08/01/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	0.310	ND(0.005)	0.015	0.071	0.340	ND(0.001)	0.007	0.787
*	10/18/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.043	ND(0.005)	0.270	ND(0.005)	0.010	0.057	0.330	ND(0.001)	0.005	0.710
*	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.230	ND(0.005)	0.011	0.043	0.310	ND(0.001)	0.000	0.627
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.240	ND(0.005)	ND(0.005)	0.020	0.230	ND(0.001)	0.000	0.490
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.035	ND(0.005)	0.200	ND(0.005)	0.008	0.036	0.260	ND(0.001)	0.000	0.539
	10/22/96	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	0.034	ND(0.010)	0.230	ND(0.010)	ND(0.010)	0.029	0.260	ND(0.001)	0.000	0.553
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.029	ND(0.002)	0.157	ND(0.002)	0.008	0.026	0.212	ND(0.001)	0.002	0.433
	04/09/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.033	ND(0.002)	0.128	ND(0.002)	0.008	0.027	0.180	ND(0.001)	0.002	0.375
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.032	ND(0.005)	0.102	ND(0.005)	0.006	0.032	0.170	ND(0.001)	0.000	0.342
	10/17/97	0.003	ND(0.010)	ND(0.010)	ND(0.020)	0.048	ND(0.010)	0.142	ND(0.010)	0.005	0.031	0.063	ND(0.001)	0.003	0.289
	01/07/98	0.004	ND(0.010)	ND(0.010)	ND(0.020)	0.054	ND(0.010)	0.145	ND(0.010)	0.005	0.049	0.176	ND(0.001)	0.004	0.429
Dup.	01/07/98	0.004	ND(0.010)	ND(0.010)	ND(0.020)	0.061	ND(0.010)	0.155	ND(0.010)	0.006	0.053	0.200	ND(0.001)	0.004	0.475
	04/15/98	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.059	ND(0.010)	0.130	ND(0.010)	ND(0.010)	0.057	0.151	ND(0.001)	0.000	0.397
	07/18/98	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.071	ND(0.010)	0.120	ND(0.010)	ND(0.010)	0.064	0.143	ND(0.001)	0.000	0.398
	10/28/98	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.020)	0.072	ND(0.010)	0.110	ND(0.010)	ND(0.010)	0.065	0.129	ND(0.001)	0.000	0.376
	02/09/99	0.004	ND(0.001)	ND(0.001)	ND(0.002)	0.070	ND(0.002)	0.130	ND(0.002)	0.002	0.070	0.157	ND(0.001)	0.004	0.430
Dup.	02/09/99	0.004	ND(0.001)	ND(0.001)	ND(0.002)	0.083	ND(0.002)	0.143	ND(0.002)	0.002	0.071	0.149	ND(0.001)	0.004	0.449
	04/22/99	0.004	ND(0.0025)	ND(0.0025)	ND(0.005)	0.090	ND(0.0025)	0.123	ND(0.0025)	ND(0.0025)	0.067	0.117	ND(0.001)	0.004	0.397
	07/13/99	0.004	ND(0.0025)	ND(0.0025)	ND(0.005)	0.069	ND(0.0025)	0.116	ND(0.0025)	ND(0.0025)	0.058	0.130	ND(0.001)	0.004	0.373
	10/19/99	0.003	ND(0.005)	ND(0.005)	ND(0.005)	0.059	ND(0.005)	0.094	ND(0.005)	ND(0.005)	0.047	0.112	ND(0.001)	0.003	0.312
	01/26/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.068	ND(0.005)	0.121	ND(0.005)	ND(0.005)	0.058	0.127	ND(0.001)	0.003	0.374
	04/21/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.081	ND(0.005)	0.123	ND(0.005)	ND(0.005)	0.065	0.145	ND(0.001)	0.000	0.414
	07/27/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.067	ND(0.005)	0.093	ND(0.005)	ND(0.005)	0.054	0.104	ND(0.001)	0.000	0.326
Dup.	07/27/00	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.073	ND(0.002)	0.096	ND(0.002)	ND(0.002)	0.055	0.096	ND(0.001)	0.002	0.329
	10/19/00	0.004	ND(0.0025)	ND(0.0025)	ND(0.005)	0.079	ND(0.0025)	0.143	ND(0.0025)	0.003	0.061	0.117	ND(0.0025)	0.004	0.406
	01/18/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.072	ND(0.005)	0.066	ND(0.005)	ND(0.005)	0.040	0.099	ND(0.005)	0.000	0.277
Dup.	01/18/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.066	ND(0.005)	ND(0.005)	0.040	0.097	ND(0.005)	0.000	0.276
	04/12/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.061	ND(0.005)	0.047	ND(0.005)	ND(0.005)	0.038	0.076	ND(0.005)	0.000	0.222
	07/19/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.068	ND(0.001)	0.037	ND(0.001)	ND(0.001)	0.027	0.047	ND(0.001)	0.000	0.179
	10/18/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.073	ND(0.0025)	0.036	ND(0.0025)	ND(0.0025)	0.037	0.048	ND(0.0025)	0.000	0.194
	01/12/02	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.076	ND(0.005)	0.038	ND(0.005)	ND(0.005)	0.036	0.050	ND(0.005)	0.000	0.200
	04/20/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.069	ND(0.001)	0.039	ND(0.001)	ND(0.001)	0.030	0.054	ND(0.001)	0.000	0.192
	07/24/02	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.062	ND(0.001)	0.030	ND(0.001)	0.001	0.026	0.043	ND(0.001)	0.001	0.162
	10/16/02	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.075	ND(0.0025)	0.029	ND(0.0025)	ND(0.0025)	0.031	0.041	ND(0.0025)	0.000	0.176
	01/22/03	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.066	ND(0.001)	0.037	ND(0.001)	ND(0.001)	0.031	0.044	ND(0.001)	0.001	0.178
	04/23/03	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.053	ND(0.001)	0.032	ND(0.001)	ND(0.001)	0.030	0.038	ND(0.001)	0.001	0.153
	07/17/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.048	ND(0.001)	0.030	ND(0.001)	ND(0.001)	0.021	0.041	ND(0.001)	0.000	0.140
Dup.	07/17/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.049	ND(0.001)	0.032	ND(0.001)	ND(0.001)	0.021	0.041	ND(0.001)	0.000	0.143
	10/15/03	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.065	ND(0.001)	0.041	ND(0.001)	ND(0.001)	0.039	0.034	ND(0.001)	0.002	0.179

Table 2 - Summary of Laboratory Analytical Results, Ground-Water Samples, Schlumberger Oilfield Services Facility, Artesia, New Mexico

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALO-CARBONS (mg/L)
MW-12	01/26/91	0.260	0.960	0.230	4.500	0.140	ND(0.025)	ND(0.025)	0.057	0.073	0.042			5.940	0.312
	09/15/91	0.150	0.620	0.630	2.200	0.120	ND(0.001)	0.300	0.110	0.200	0.061			3.600	0.791
	11/22/91	0.110	0.430	0.034	0.810	0.110	0.002	0.240	0.100	0.260	0.051			1.384	0.763
	03/16/93	0.160	0.800	0.014	1.000	0.120	ND(0.001)	0.039	0.055	0.036	0.018			1.974	0.268
	01/10/94	0.160	0.870	0.026	0.990	0.150	ND(0.001)	0.075	0.053	0.070	0.024			2.046	0.372
	04/19/94	0.110	0.110	0.049	0.250	0.110	0.002	0.064	0.065	0.073	0.033			0.519	0.347
	07/20/94	0.160	0.720	0.071	0.610	0.150	ND(0.025)	0.073	0.075	0.086	0.022			1.561	0.406
	10/25/94	0.096	0.660	ND(0.025)	0.100	0.160	ND(0.025)	0.085	ND(0.025)	0.120	0.015			0.856	0.380
	01/25/95	0.160	0.680	0.089	0.660	0.190	ND(0.005)	0.120	0.095	0.076	0.069			1.589	0.550
Dup.	01/25/95	0.140	0.850	0.075	0.860	0.150	ND(0.005)	0.090	0.075	0.062	0.053			1.925	0.430
	04/03/95	0.150	0.790	0.200	1.100	0.160	ND(0.005)	0.110	0.096	0.043	0.056			2.240	0.465
	08/01/95	0.130	0.700	0.280	1.400	0.170	ND(0.025)	0.150	0.079	0.098	0.059			2.510	0.556
	10/18/95	0.140	0.590	0.360	2.030	0.170	ND(0.005)	0.100	0.100	0.058	0.050			3.520	0.478
	01/11/96	0.100	0.680	0.180	1.840	0.140	ND(0.005)	0.097	0.059	0.060	0.048			2.800	0.404
	04/13/96	0.098	0.620	0.180	0.690	0.150	ND(0.005)	0.087	ND(0.005)	ND(0.005)	0.023			1.588	0.173
#	07/22/96	0.130	0.920	0.310	1.790	0.160	ND(0.005)	0.087	0.170	0.045	0.046			3.150	0.508
	10/22/96	ND(0.1)	0.830	0.190	1.900	0.190	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)			2.820	0.190
	01/24/97	0.093	0.822	0.133	1.738	0.162	ND(0.010)	0.046	0.060	0.037	0.039			2.786	0.344
	04/09/97	0.086	0.920	0.138	1.869	0.159	ND(0.020)	0.040	0.051	0.046	0.039			3.013	0.334
Dup.	04/09/97	0.079	0.855	0.129	1.837	0.159	ND(0.010)	0.040	0.054	0.047	0.039			2.900	0.339
	07/30/97	0.090	0.969	0.127	2.294	0.136	ND(0.020)	0.035	0.062	0.036	0.043			3.480	0.312
	10/17/97	0.178	1.290	0.853	5.540	0.185	ND(0.050)	0.061	0.186	ND(0.050)	0.045			7.861	0.477
	10/28/98	0.064	1.150	ND(0.1)	0.745	0.141	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)			1.959	0.141
	04/22/99	0.075	1.150	ND(0.025)	0.612	0.171	ND(0.025)	0.031	0.040	0.034	0.034			1.837	0.310
Dup.	04/22/99	0.063	0.953	0.008	0.546	0.140	ND(0.005)	0.017	0.039	0.022	0.017			1.570	0.235
	10/19/99	0.051	1.090	ND(0.025)	0.176	0.207	ND(0.025)	0.017	ND(0.025)	0.027	ND(0.025)			1.317	0.251
	10/19/99	0.049	1.100	ND(0.025)	0.151	0.208	ND(0.025)	0.017	ND(0.025)	0.026	ND(0.025)			1.300	0.251
Dup.	10/19/00	0.036	0.863	ND(0.025)	0.107	0.192	ND(0.025)	ND(0.025)	ND(0.025)	0.027	ND(0.025)			1.005	0.219
	10/19/00	0.034	0.835	ND(0.025)	0.103	0.184	ND(0.025)	ND(0.025)	ND(0.025)	0.027	ND(0.025)			0.972	0.184
	10/18/01	0.019	0.130	ND(0.005)	0.295	0.080	ND(0.005)	0.011	ND(0.005)	0.018	0.017			0.444	0.154
	04/20/02	0.029	0.160	ND(0.005)	0.308	0.083	ND(0.005)	0.020	ND(0.005)	0.024	0.021			0.497	0.185
	04/20/02	0.027	0.140	ND(0.005)	0.295	0.080	ND(0.005)	0.017	ND(0.005)	0.022	0.020			0.462	0.173
Dup.	07/24/02	0.043	0.280	ND(0.005)	0.213	0.100	ND(0.005)	0.017	ND(0.005)	0.021	0.018			0.536	0.189
	10/16/02	0.018	0.130	ND(0.005)	0.603	0.068	ND(0.005)	0.013	ND(0.005)	0.011	0.016			0.751	0.128
	01/23/03	0.032	0.230	ND(0.005)	0.129	0.110	ND(0.005)	0.013	ND(0.005)	0.011	0.017			0.391	0.183
	04/24/03	0.020	0.170	ND(0.025)	0.065	0.070	ND(0.025)	0.005	ND(0.025)	0.006	0.012			0.255	0.116
Dup.	04/24/03	0.018	0.012	ND(0.001)	0.051	0.068	ND(0.001)	0.005	ND(0.001)	0.006	0.012			0.081	0.112
	07/17/03	0.044	0.400	ND(0.0025)	0.270	0.130	ND(0.0025)	0.009	ND(0.0025)	0.009	0.014			0.714	0.196
	10/16/03	0.003	0.036	ND(0.0025)	0.063	0.046	ND(0.0025)	0.005	ND(0.0025)	0.009	0.018			0.102	0.080
MW-13	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.030	0.002	0.038	0.005	0.004	0.240			0.000	0.319
	11/22/91	0.430	ND(0.001)	ND(0.001)	ND(0.005)	0.016	0.001	0.025	0.002	0.002	0.110			0.430	0.156
	03/16/93	0.033	ND(0.001)	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.014	ND(0.001)	0.002	0.062			0.033	0.091
Dup.	03/16/93	0.034	ND(0.001)	ND(0.001)	ND(0.005)	0.013	0.001	0.015	ND(0.001)	0.002	0.066			0.034	0.097
	01/10/94	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.016	ND(0.001)	0.007	ND(0.001)	0.003	0.055			0.022	0.081
	04/19/94	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.011	0.001	0.003	ND(0.005)	0.003	0.032			0.013	0.050
	07/20/94	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.016	0.001	0.005	ND(0.005)	0.004	0.034			0.016	0.060
	10/25/94	0.011	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.004	ND(0.005)	0.004	0.040			0.011	0.061
	01/22/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.002	ND(0.005)	0.005	0.029			0.008	0.051
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022			0.000	0.035
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	0.007	0.025			0.000	0.049
	10/18/95	0.003	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	ND(0.005)	ND(0.005)	0.008	0.020			0.003	0.043
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	0.005	0.015			0.000	0.031
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	0.005	0.011			0.000	0.011

Table 2 - Summary of Laboratory Analytical Results, Ground-Water Samples, Schlumberger Oilfield Services Facility, Artesia, New Mexico

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALO-CARBONS (mg/L)
MW-14 (Cont. Dup.)	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.040	0.001	0.023		ND(0.001)	ND(0.001)	0.014		0.001	0.078
	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.045	0.001	0.027		ND(0.001)	ND(0.001)	0.010		0.001	0.083
	04/09/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.039	ND(0.005)	0.023		ND(0.005)	ND(0.005)	0.024		0.000	0.086
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.036	ND(0.005)	0.021		ND(0.005)	ND(0.005)	0.043		0.000	0.100
	10/17/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.039	ND(0.005)	0.019		ND(0.005)	ND(0.005)	0.048		0.000	0.106
	10/28/98	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.045	ND(0.005)	0.019		ND(0.005)	ND(0.005)	0.074		0.000	0.138
	10/20/99	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.002	0.054	ND(0.0025)	0.019		ND(0.0025)	ND(0.0025)	0.080		0.002	0.153
	10/19/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.041	ND(0.0025)	0.006	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.033	ND(0.0025)	0.000	0.080
	04/20/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.009
	10/16/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.009
MW-15	09/15/91	0.002	0.010	ND(0.001)	0.006	0.026	0.001	0.005		ND(0.001)	ND(0.001)	0.004		0.018	0.036
	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.033	0.001	0.009		ND(0.001)	0.003	0.006		0.000	0.052
	03/16/93	0.001	0.002	ND(0.001)	ND(0.005)	0.082	0.001	0.013		ND(0.001)	0.006	0.009		0.003	0.111
	01/10/94	ND(0.001)	0.008	ND(0.001)	ND(0.005)	0.048	ND(0.001)	0.009		ND(0.001)	0.004	0.013		0.008	0.074
	01/10/94	0.001	0.009	0.002	ND(0.005)	0.054	ND(0.001)	0.010		ND(0.001)	0.004	0.015		0.012	0.083
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.005		ND(0.005)	0.003	0.008		0.000	0.043
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.049	0.001	0.006		ND(0.005)	0.004	0.005		0.000	0.065
	10/25/94	0.001	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.006		ND(0.005)	0.004	0.006		0.001	0.045
	10/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.006		ND(0.005)	0.005	0.008		0.000	0.046
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.005)		0.000	0.020
Dup.	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.005)	0.006		ND(0.005)	ND(0.005)	ND(0.005)		0.000	0.028
	10/18/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.001		ND(0.005)	0.004	0.002		0.000	0.022
	01/10/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.003		ND(0.005)	ND(0.005)	ND(0.005)		0.000	0.016
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.005)		0.000	0.009
	07/21/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.005)		0.000	0.011
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.005)		0.000	0.010
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.005)		0.000	0.010
	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.012	0.001	0.001		ND(0.001)	ND(0.001)	ND(0.001)		0.001	0.014
	04/09/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.012	0.001	0.002		ND(0.001)	0.001	ND(0.001)		0.001	0.016
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.005	ND(0.001)	0.001		ND(0.001)	ND(0.001)	ND(0.001)		0.000	0.006
MW-17D	10/17/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.013	0.001	0.001		ND(0.001)	ND(0.001)	ND(0.001)		0.000	0.015
	10/28/98	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.013	ND(0.001)	0.001		ND(0.001)	ND(0.001)	ND(0.001)		0.001	0.014
	10/20/99	0.002	0.004	0.003	0.147	0.040	ND(0.001)	0.005		ND(0.001)	0.002	0.002		0.156	0.049
	10/19/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.014	ND(0.001)	0.003	0.002	ND(0.001)	0.005	0.001	ND(0.001)	0.000	0.025
	10/16/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.001	ND(0.001)	ND(0.001)	0.011	0.016	ND(0.001)	0.000	0.031
	04/24/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.026	0.013	ND(0.001)	0.000	0.046
	07/17/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.029	0.013	ND(0.001)	0.000	0.049
	10/16/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.016	0.015	ND(0.001)	0.000	0.034
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.062	ND(0.005)	0.018		0.012	0.019	0.014		0.000	0.125
	08/01/95	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.095	ND(0.005)	0.058		0.020	0.052	0.028		0.013	0.253
Dup. * #	10/18/95	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.067	ND(0.005)	0.044		0.015	0.047	0.054		0.007	0.227
	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.066	ND(0.005)	0.036		0.012	0.046	0.043		0.006	0.203
	01/11/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.050	ND(0.005)	0.032		0.009	0.036	0.039		0.006	0.166
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.064	ND(0.005)	0.046		0.009	0.049	0.032		0.000	0.200
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.077	ND(0.005)	0.053		0.009	0.060	0.037		0.000	0.236
	10/22/96	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.066	ND(0.005)	0.041		ND(0.005)	0.059	0.033		0.007	0.199
	01/24/97	0.004	ND(0.001)	ND(0.001)	ND(0.002)	0.052	0.001	0.023		0.004	0.039	0.022		0.004	0.141
	04/09/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.030	ND(0.001)	0.020		0.003	0.028	0.022		0.003	0.101
	07/30/97	0.003	ND(0.002)	ND(0.002)	ND(0.004)	0.029	ND(0.002)	0.013		0.002	0.028	0.018		0.003	0.090
	10/17/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.056	ND(0.002)	0.015		0.001	0.038	0.011		0.004	0.121
	10/28/98	0.006	ND(0.005)	ND(0.005)	ND(0.01)	0.050	ND(0.005)	0.009		ND(0.005)	0.045	0.012		0.006	0.116
	10/19/99	0.005	ND(0.0025)	ND(0.0025)	ND(0.005)	0.081	ND(0.0025)	0.010		ND(0.0025)	0.038	0.012		0.005	0.151

Table 2 - Summary of Laboratory Analytical Results, Ground-Water Samples, Schlumberger Oilfield Services Facility, Artesia, New Mexico

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	TOTAL 1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALO-CARBONS (mg/L)
MW-17D (Cont.)	10/19/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.084	ND(0.0025)	0.010	ND(0.0025)	ND(0.0025)	0.035	0.017	ND(0.0025)	0.000	0.146
	10/18/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.059	ND(0.0025)	0.019	ND(0.0025)	ND(0.0025)	0.024	0.029	ND(0.0025)	0.000	0.131
	10/16/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.038	ND(0.001)	0.014	ND(0.001)	ND(0.001)	0.012	0.026	ND(0.001)	0.000	0.090
	10/16/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.054	ND(0.001)	0.013	ND(0.001)	ND(0.001)	0.014	0.016	ND(0.001)	0.000	0.097
MW-17A * Dup. * #	04/03/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.079	ND(0.005)	0.061	0.029	0.025	0.025	0.066	0.009	0.009	0.260
	08/01/95	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.085	ND(0.005)	0.075	0.025	0.037	0.037	0.064	0.010	0.010	0.286
	10/18/95	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.059	0.019	0.041	0.090	0.009	0.009	0.009	0.282
	10/18/95	0.010	ND(0.005)	ND(0.005)	ND(0.005)	0.078	ND(0.005)	0.059	0.019	0.042	0.086	0.010	0.010	0.010	0.284
	01/11/96	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.077	ND(0.005)	0.068	0.019	0.042	0.076	0.009	0.009	0.009	0.282
	04/13/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.075	ND(0.005)	0.069	ND(0.005)	0.043	0.065	0.006	0.006	0.006	0.252
	07/22/96	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.076	ND(0.005)	0.069	0.012	0.051	0.077	0.008	0.008	0.008	0.285
	10/22/96	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.069	ND(0.005)	0.058	ND(0.005)	0.050	0.054	0.006	0.006	0.006	0.231
	01/24/97	0.006	ND(0.001)	ND(0.001)	0.001	0.058	ND(0.001)	0.044	0.007	0.045	0.049	0.007	0.007	0.007	0.203
	04/09/97	0.007	ND(0.001)	ND(0.001)	ND(0.002)	0.065	0.001	0.051	0.008	0.051	0.051	0.007	0.007	0.007	0.226
	07/30/97	0.004	ND(0.005)	ND(0.005)	ND(0.010)	0.051	ND(0.005)	0.045	0.004	0.045	0.062	0.004	0.004	0.004	0.207
	10/17/97	0.006	ND(0.005)	ND(0.005)	ND(0.010)	0.079	ND(0.005)	0.050	0.003	0.052	0.053	0.006	0.006	0.006	0.237
	10/28/98	0.009	ND(0.005)	ND(0.005)	ND(0.010)	0.075	ND(0.005)	0.018	ND(0.005)	0.044	0.033	0.009	0.009	0.009	0.170
	10/19/99	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.134	ND(0.0025)	0.018	ND(0.0025)	0.032	0.030	0.005	0.005	0.005	0.214
	10/19/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.144	ND(0.0025)	0.026	ND(0.0025)	0.038	0.035	ND(0.0025)	0.000	0.000	0.243
	10/18/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.079	ND(0.0025)	0.028	ND(0.0025)	0.026	0.044	ND(0.0025)	0.000	0.000	0.177
MW-17B Dup. * Dup.	10/16/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.036	ND(0.001)	0.014	ND(0.001)	ND(0.001)	0.007	0.031	ND(0.001)	0.000	0.088
	10/16/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.041	ND(0.001)	0.012	ND(0.001)	ND(0.001)	0.007	0.025	ND(0.001)	0.000	0.085
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.036	ND(0.005)	0.180	0.019	ND(0.005)	0.180	0.000	0.000	0.000	0.415
	08/01/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.040	ND(0.005)	0.190	0.020	0.026	0.180	0.006	0.006	0.006	0.456
	08/01/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.049	ND(0.005)	0.250	0.023	0.030	0.320	0.008	0.008	0.008	0.672
	10/18/95	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.046	ND(0.005)	0.210	0.024	0.034	0.370	0.006	0.006	0.006	0.684
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.034	ND(0.005)	0.170	0.014	0.022	0.190	0.000	0.000	0.000	0.430
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.160	ND(0.005)	0.013	0.270	0.000	0.000	0.000	0.473
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.150	ND(0.005)	0.016	0.250	0.000	0.000	0.000	0.446
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.030	ND(0.005)	0.150	0.015	0.016	0.280	0.000	0.000	0.000	0.491
	10/22/96	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.038	ND(0.01)	0.190	ND(0.01)	0.030	0.250	0.000	0.000	0.000	0.508
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.038	0.001	0.110	0.008	0.019	0.070	0.002	0.002	0.002	0.246
	04/09/97	0.004	ND(0.002)	ND(0.002)	ND(0.004)	0.035	0.001	0.115	0.005	0.021	0.132	0.004	0.004	0.004	0.310
	07/30/97	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.026	ND(0.005)	0.080	0.004	0.017	0.141	0.000	0.000	0.000	0.268
	10/17/97	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.053	ND(0.01)	0.103	ND(0.01)	0.027	0.149	0.000	0.000	0.000	0.332
	10/28/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.073	ND(0.01)	0.072	ND(0.01)	0.045	0.178	0.000	0.000	0.000	0.368
MW-17C 2nd * * * #	10/19/99	0.005	0.012	ND(0.0025)	ND(0.005)	0.143	ND(0.0025)	0.053	0.005	0.051	0.059	0.017	0.017	0.017	0.311
	10/19/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.047	ND(0.005)	0.043	ND(0.005)	0.017	0.093	ND(0.005)	0.000	0.000	0.200
	10/18/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.035	ND(0.0025)	0.031	ND(0.0025)	0.005	0.055	ND(0.0025)	0.000	0.000	0.126
	10/16/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.019	ND(0.001)	0.012	ND(0.001)	0.001	0.017	ND(0.001)	0.000	0.000	0.049
	10/16/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.015	ND(0.001)	0.008	ND(0.001)	ND(0.001)	0.017	ND(0.001)	0.000	0.000	0.040
	04/03/95	0.032	0.060	0.005	0.054	0.058	ND(0.005)	0.099	ND(0.005)	0.091	0.013	0.151	0.151	0.151	0.261
	04/03/95	0.034	0.057	ND(0.005)	0.045	0.063	ND(0.005)	0.110	ND(0.005)	0.095	0.017	0.136	0.136	0.136	0.285
	08/01/95	0.022	0.047	ND(0.005)	ND(0.005)	0.073	ND(0.005)	0.140	ND(0.005)	0.120	0.012	0.069	0.069	0.069	0.345
	10/18/95	0.019	0.026	ND(0.005)	ND(0.005)	0.063	0.003	0.120	ND(0.005)	0.140	0.024	0.045	0.045	0.045	0.350
	01/11/96	0.020	0.035	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.120	ND(0.005)	0.120	0.015	0.055	0.055	0.055	0.313
#	04/13/96	0.011	0.009	ND(0.005)	ND(0.005)	0.057	ND(0.005)	0.130	ND(0.005)	0.100	0.013	0.020	0.020	0.020	0.300
	07/22/96	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.130	ND(0.005)	0.120	0.014	0.016	0.016	0.016	0.322
	10/22/96	0.015	ND(0.005)	ND(0.005)	ND(0.005)	0.045	ND(0.005)	0.120	ND(0.005)	0.100	0.012	0.015	0.015	0.015	0.277
	01/24/97	0.009	ND(0.001)	ND(0.001)	ND(0.002)	0.051	0.003	0.099	ND(0.001)	0.078	0.005	0.009	0.009	0.009	0.236
	04/09/97	0.011	ND(0.002)	ND(0.002)	ND(0.004)	0.049	0.002	0.105	ND(0.002)	0.100	0.008	0.011	0.011	0.011	0.265
	07/30/97	0.010	ND(0.005)	ND(0.005)	ND(0.010)	0.043	0.003	0.093	ND(0.005)	0.097	0.010	0.010	0.010	0.010	0.246

Table 2 - Summary of Laboratory Analytical Results, Ground-Water Samples, Schlumberger Oilfield Services Facility, Artesia, New Mexico

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX CARBONS (mg/L)	TOTAL HALO-CARBONS (mg/L)
MW-17C (Cont.)	10/17/97	0.031	ND(0.01)	ND(0.01)	ND(0.02)	0.066	0.003	0.115	ND(0.01)	0.086	0.013	0.031	0.283		
	10/28/98	0.011	ND(0.01)	ND(0.01)	ND(0.02)	0.050	ND(0.01)	0.105	ND(0.01)	0.110	0.018	0.011	0.263		
	10/19/99	0.023	ND(0.0025)	0.002	ND(0.005)	0.080	0.003	0.160	ND(0.0025)	0.119	0.040	0.025	0.402		
	10/19/00	0.005	ND(0.0025)	ND(0.0025)	ND(0.005)	0.041	ND(0.0025)	0.073	0.010	ND(0.0025)	0.071	0.007	ND(0.0025)	0.005	0.202
	10/18/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.012	ND(0.0025)	0.024	ND(0.0025)	ND(0.0025)	0.020	0.007	ND(0.0025)	0.000	0.063
	10/18/01	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.013	ND(0.001)	0.023	0.002	ND(0.001)	0.019	0.006	ND(0.001)	0.001	0.063
	10/16/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.011	ND(0.001)	0.018	0.001	ND(0.001)	0.012	0.004	ND(0.001)	0.000	0.046
	10/16/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.008	ND(0.001)	0.013	ND(0.001)	ND(0.001)	0.009	0.005	ND(0.001)	0.000	0.035
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	0.093	ND(0.005)	0.034	0.071	0.000	0.000	0.000	0.215
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.170	ND(0.005)	0.039	0.087	0.000	0.000	0.000	0.320
MW-18	10/19/95	0.003	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.150	ND(0.005)	0.042	0.130	0.003	0.340		
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	0.130	ND(0.005)	0.037	0.097	0.000	0.281		
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.016	ND(0.005)	0.170	ND(0.005)	0.034	0.120	0.000	0.340		
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.200	ND(0.005)	0.043	0.110	0.000	0.371		
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.170	ND(0.005)	0.043	0.120	0.000	0.333		
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.190	ND(0.005)	0.042	0.120	0.000	0.372		
	10/24/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.024	0.001	0.180	0.002	0.047	0.097	0.003	0.351		
	04/09/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.022	0.001	0.155	0.002	0.044	0.116	0.003	0.340		
	07/30/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.020	ND(0.002)	0.140	0.001	0.044	0.121	0.002	0.326		
	10/17/97	0.002	ND(0.01)	ND(0.01)	ND(0.02)	0.028	ND(0.01)	0.157	ND(0.01)	0.044	0.071	0.002	0.300		
Dup.	01/07/98	0.002	ND(0.01)	ND(0.01)	ND(0.02)	0.029	ND(0.01)	0.163	ND(0.01)	0.054	0.133	0.002	0.379		
	04/15/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.029	ND(0.01)	0.155	ND(0.01)	0.053	0.145	0.000	0.382		
	07/18/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.030	ND(0.01)	0.146	ND(0.01)	0.052	0.151	0.000	0.379		
	10/28/98	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	0.028	ND(0.01)	0.142	ND(0.01)	0.052	0.149	0.000	0.371		
	02/09/99	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.01)	0.030	ND(0.005)	0.143	ND(0.005)	0.052	0.148	0.000	0.373		
	04/22/99	0.002	ND(0.0025)	ND(0.0025)	ND(0.005)	0.031	ND(0.0025)	0.135	ND(0.0025)	0.045	0.121	0.002	0.332		
	07/14/99	0.002	ND(0.0025)	ND(0.0025)	ND(0.005)	0.028	ND(0.0025)	0.127	ND(0.0025)	0.042	0.120	0.002	0.317		
	10/19/99	0.002	ND(0.0025)	0.002	ND(0.005)	0.034	ND(0.0025)	0.149	ND(0.0025)	0.049	0.128	0.004	0.360		
	01/26/00	0.002	ND(0.005)	ND(0.005)	ND(0.01)	0.036	ND(0.005)	0.153	ND(0.005)	0.054	0.137	0.002	0.380		
	04/21/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.01)	0.022	ND(0.005)	0.102	ND(0.005)	0.032	0.095	0.000	0.251		
MW-19	07/27/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.029	ND(0.005)	0.128	ND(0.005)	0.046	0.140	0.000	0.343		
	10/19/00	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.010)	0.032	ND(0.005)	0.140	ND(0.005)	0.044	0.123	ND(0.005)	0.000	0.339	
	01/19/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.023	ND(0.005)	0.092	ND(0.005)	0.030	0.084	ND(0.005)	0.000	0.229	
	04/12/01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.020	ND(0.005)	0.073	ND(0.005)	0.027	0.072	ND(0.005)	0.000	0.192	
	07/18/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.021	ND(0.002)	0.081	ND(0.002)	0.023	0.046	ND(0.002)	0.000	0.171	
	10/18/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.023	ND(0.0025)	0.091	ND(0.0025)	0.029	0.081	ND(0.0025)	0.000	0.224	
	01/12/02	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.024	ND(0.005)	0.094	ND(0.005)	0.028	0.079	ND(0.005)	0.000	0.225	
	04/20/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.026	ND(0.001)	0.120	0.002	ND(0.001)	0.025	0.089	ND(0.001)	0.000	0.262
	07/24/02	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.024	ND(0.001)	0.100	0.002	ND(0.001)	0.025	0.080	ND(0.001)	0.001	0.231
	10/16/02	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.028	ND(0.0025)	0.100	ND(0.0025)	0.022	0.085	ND(0.0025)	0.000	0.235	
	01/22/03	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.026	ND(0.001)	0.120	0.002	ND(0.001)	0.022	0.086	ND(0.001)	0.001	0.266
Dup.	04/23/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.026	ND(0.001)	0.092	0.001	ND(0.001)	0.018	0.087	ND(0.001)	0.000	0.224
	07/17/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.029	ND(0.001)	0.095	0.002	ND(0.001)	0.021	0.087	ND(0.001)	0.000	0.234
	10/15/03	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.031	ND(0.001)	0.100	0.002	ND(0.001)	0.018	0.090	ND(0.001)	0.001	0.241
	10/15/03	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.031	ND(0.0025)	0.100	ND(0.0025)	0.017	0.087	ND(0.0025)	0.000	0.235	
	04/03/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.011	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.110	0.000	0.271		
	08/01/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	0.170	ND(0.005)	ND(0.005)	0.140	0.000	0.324		
	10/18/95	0.002	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	0.170	ND(0.005)	0.004	0.150	0.002	0.334		
	01/11/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.010	ND(0.005)	0.110	ND(0.005)	ND(0.005)	0.100	0.000	0.220		
	04/13/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.100	0.000	0.250		
	07/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.150	ND(0.005)	ND(0.005)	0.110	0.000	0.269		
	10/22/96	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.130	ND(0.005)	ND(0.005)	0.094	0.000	0.232		
MW-19	01/24/97	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.009	ND(0.001)	0.122	0.001	0.003	0.093	0.001	0.228		
	04/09/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.115	0.001	0.004	0.087	0.002	0.218		

Table 2 - Summary of Laboratory Analytical Results, Ground-Water Samples, Schlumberger Oilfield Services Facility, Artesia, New Mexico

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX CARBONS (mg/L)	TOTAL HALO-CARBONS (mg/L)
MW-19 (Cont.)	07/30/97	0.002	ND(0.002)	ND(0.002)	ND(0.004)	0.009	ND(0.002)	0.116	ND(0.002)	ND(0.002)	0.005	0.096	0.002	0.002	0.226
	10/17/97	0.003	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.124	ND(0.001)	ND(0.001)	0.007	0.066	0.003	0.003	0.207
	10/28/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.017	ND(0.001)	0.167	ND(0.001)	ND(0.001)	0.009	0.150	0.000	0.000	0.343
	04/22/99	0.003	ND(0.0025)	ND(0.0025)	ND(0.005)	0.023	ND(0.0025)	0.212	ND(0.0025)	0.009	0.182	0.000	0.003	0.003	0.426
	10/19/99	0.004	ND(0.005)	ND(0.005)	ND(0.01)	0.020	ND(0.005)	0.236	ND(0.005)	0.010	0.203	0.000	0.004	0.004	0.469
	10/19/00	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.033	ND(0.0025)	0.199	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.176	ND(0.0025)	0.000	0.408
	10/18/01	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.015	ND(0.0025)	0.080	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.038	ND(0.0025)	0.000	0.133
	10/18/02	ND(0.0025)	ND(0.0025)	ND(0.0025)	ND(0.005)	0.012	ND(0.0025)	0.058	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.034	ND(0.0025)	0.000	0.104
	10/18/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.009	ND(0.001)	0.031	ND(0.001)	ND(0.001)	ND(0.001)	0.019	ND(0.001)	0.000	0.059
	11/20/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
MW-20	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	10/17/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	01/07/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	04/15/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	07/18/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	10/28/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	02/09/99	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.001)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	0.000	0.000	0.000
	04/22/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
Dup.	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.002	0.000
	10/19/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	01/26/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	04/21/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/27/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	10/19/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	01/18/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	04/12/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	07/18/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.000	0.000	0.000
	07/18/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
MW-21	01/12/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	04/20/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	07/24/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	10/15/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	01/22/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	04/23/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	07/16/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	10/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000	0.000
	11/20/96	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.012	ND(0.001)	ND(0.001)	0.003	0.006	0.002	0.002	0.023
	01/24/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.003	ND(0.001)	0.019	ND(0.001)	ND(0.001)	0.004	0.006	0.002	0.002	0.032
MW-21	03/04/97	0.002	ND(0.001)	ND(0.001)	ND(0.002)	0.004	ND(0.001)	0.025	ND(0.001)	ND(0.001)	0.007	0.011	0.002	0.002	0.047
	04/09/97	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.003	ND(0.002)	0.021	ND(0.002)	ND(0.002)	0.005	0.008	0.001	0.001	0.038
	07/30/97	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.001	ND(0.002)	0.011	ND(0.002)	ND(0.002)	0.003	0.007	0.000	0.000	0.022
	10/17/97	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.001	ND(0.002)	0.007	ND(0.002)	ND(0.002)	0.001	0.004	0.001	0.001	0.013
	01/07/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.002	ND(0.002)	0.021	ND(0.002)	ND(0.002)	0.003	0.005	0.001	0.001	0.031
	04/15/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.002	ND(0.002)	0.028	ND(0.002)	ND(0.002)	0.003	0.006	0.001	0.001	0.039
	07/18/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.002	ND(0.002)	0.022	ND(0.002)	ND(0.002)	0.002	0.005	0.001	0.001	0.031
	10/28/98	0.001	ND(0.002)	ND(0.002)	ND(0.004)	0.001	ND(0.002)	0.015	ND(0.002)	ND(0.002)	0.001	0.004	0.001	0.001	0.021
	02/09/99	0.001	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.031	ND(0.001)	ND(0.001)	0.002	0.005	0.001	0.001	0.040
	04/22/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.025	ND(0.001)	ND(0.001)	0.001	0.003	0.000	0.000	0.030
	07/14/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.009	ND(0.001)	ND(0.001)	ND(0.001)	0.002	0.000	0.000	0.011
MW-21	10/19/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.002	0.002	0.007

Table 2 - Summary of Laboratory Analytical Results, Ground-Water Samples, Schlumberger Oilfield Services Facility, Artesia, New Mexico

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX (mg/L)	TOTAL HALO-CARBONS (mg/L)
MW-23 (Cont.)	10/19/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000
	10/18/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000
	10/15/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000
	10/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	ND(0.001)	0.005
	11/20/96	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000
MW-24	01/24/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000
	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000
	10/17/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000
	10/28/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000
	04/22/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000
	10/19/99	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	0.000
	10/19/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000
	10/18/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000
	10/15/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000
	10/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000
	03/04/97	0.021	ND(0.001)	ND(0.001)	ND(0.001)	0.014	0.001	0.035	ND(0.001)	ND(0.001)	ND(0.001)	0.030	ND(0.001)	0.021	0.080
MW-25	04/09/97	0.015	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.001	0.035	ND(0.001)	ND(0.001)	ND(0.001)	0.020	ND(0.001)	0.015	0.077
	04/09/97	0.014	ND(0.001)	ND(0.001)	ND(0.002)	0.015	0.001	0.034	ND(0.001)	ND(0.001)	ND(0.001)	0.019	ND(0.001)	0.014	0.074
Dup.	07/30/97	0.023	ND(0.002)	ND(0.002)	ND(0.004)	0.011	0.001	0.031	ND(0.002)	ND(0.002)	0.005	0.035	ND(0.002)	0.023	0.083
	10/17/97	0.026	ND(0.002)	ND(0.002)	ND(0.004)	0.011	0.001	0.027	ND(0.002)	ND(0.002)	0.004	0.035	ND(0.002)	0.026	0.078
Dup.	10/17/97	0.026	ND(0.002)	ND(0.002)	ND(0.004)	0.013	0.001	0.028	ND(0.002)	ND(0.002)	0.004	0.028	ND(0.002)	0.026	0.074
	01/07/98	0.027	ND(0.002)	ND(0.002)	ND(0.004)	0.014	0.001	0.030	ND(0.002)	ND(0.002)	0.004	0.033	ND(0.002)	0.027	0.082
MW-26	04/15/98	0.025	ND(0.002)	ND(0.002)	ND(0.004)	0.013	ND(0.002)	0.028	ND(0.002)	ND(0.002)	0.004	0.034	ND(0.002)	0.025	0.079
	07/18/98	0.022	ND(0.002)	ND(0.002)	ND(0.004)	0.012	ND(0.002)	0.024	ND(0.002)	ND(0.002)	0.004	0.026	ND(0.002)	0.022	0.066
Dup.	10/28/98	0.030	ND(0.002)	ND(0.002)	ND(0.004)	0.012	ND(0.002)	0.030	ND(0.002)	ND(0.002)	0.005	0.038	ND(0.002)	0.030	0.085
	02/09/99	0.027	ND(0.001)	ND(0.001)	ND(0.002)	0.013	ND(0.001)	0.031	ND(0.001)	ND(0.001)	0.003	0.039	ND(0.001)	0.027	0.086
MW-27	04/22/99	0.030	ND(0.001)	ND(0.001)	ND(0.002)	0.013	ND(0.001)	0.031	ND(0.001)	ND(0.001)	0.002	0.032	ND(0.001)	0.030	0.078
	07/14/99	0.022	ND(0.001)	ND(0.001)	ND(0.002)	0.012	ND(0.001)	0.027	ND(0.001)	ND(0.001)	0.004	0.028	ND(0.001)	0.022	0.071
Dup.	10/19/99	0.025	ND(0.001)	ND(0.001)	ND(0.002)	0.012	ND(0.001)	0.027	ND(0.001)	ND(0.001)	0.004	0.028	ND(0.001)	0.027	0.070
	01/25/00	0.025	ND(0.001)	ND(0.001)	ND(0.002)	0.013	ND(0.001)	0.029	ND(0.001)	ND(0.001)	0.004	0.026	ND(0.001)	0.025	0.072
MW-28	04/21/00	0.022	ND(0.001)	ND(0.001)	ND(0.002)	0.011	ND(0.001)	0.023	ND(0.001)	ND(0.001)	0.004	0.025	ND(0.001)	0.022	0.063
	07/27/00	0.022	ND(0.001)	ND(0.001)	ND(0.002)	0.010	ND(0.001)	0.024	ND(0.001)	ND(0.001)	0.004	0.025	ND(0.001)	0.022	0.065
Dup.	10/19/00	0.030	ND(0.001)	ND(0.001)	ND(0.002)	0.013	0.001	0.036	ND(0.001)	ND(0.001)	0.007	0.032	ND(0.001)	0.030	0.089
	01/18/01	0.022	ND(0.001)	ND(0.001)	ND(0.001)	0.014	ND(0.001)	0.049	ND(0.001)	ND(0.001)	0.010	0.053	ND(0.001)	0.022	0.126
MW-29	04/12/01	0.017	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.049	ND(0.005)	ND(0.005)	0.013	0.052	ND(0.005)	0.017	0.127
	07/18/01	0.015	ND(0.002)	ND(0.002)	ND(0.002)	0.012	ND(0.002)	0.050	ND(0.002)	ND(0.002)	0.009	0.037	ND(0.002)	0.015	0.108
MW-30	10/18/01	0.015	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.013	ND(0.0025)	0.054	ND(0.0025)	ND(0.0025)	0.013	0.052	ND(0.0025)	0.015	0.132
	01/12/02	0.012	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	0.059	ND(0.005)	ND(0.005)	0.013	0.052	ND(0.005)	0.012	0.138
Dup.	07/24/02	0.010	ND(0.001)	ND(0.001)	ND(0.001)	0.015	ND(0.001)	0.061	ND(0.001)	ND(0.001)	0.017	0.048	ND(0.001)	0.010	0.141
	10/15/02	0.011	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.015	ND(0.0025)	0.063	ND(0.0025)	ND(0.0025)	0.017	0.047	ND(0.0025)	0.011	0.140
MW-31	01/22/03	0.011	ND(0.001)	ND(0.001)	ND(0.001)	0.015	ND(0.001)	0.150	ND(0.001)	ND(0.001)	0.017	0.110	ND(0.001)	0.011	0.292
	04/23/03	0.009	ND(0.001)	ND(0.001)	ND(0.001)	0.013	ND(0.001)	0.064	ND(0.001)	ND(0.001)	0.015	0.054	ND(0.001)	0.009	0.146
MW-32	07/17/03	0.010	ND(0.001)	ND(0.001)	ND(0.001)	0.014	ND(0.001)	0.062	ND(0.001)	ND(0.001)	0.017	0.054	ND(0.001)	0.010	0.147
	10/15/03	0.011	ND(0.001)	ND(0.001)	ND(0.001)	0.019	ND(0.001)	0.100	ND(0.001)	ND(0.001)	0.023	0.076	ND(0.001)	0.011	0.218
MW-33	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	03/04/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
Dup.	04/09/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.000	0.000
	07/30/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.004	ND(0.001)	ND(0.001)	0.001	0.004	ND(0.001)	0.000	0.007
MW-34	10/17/97	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.004	ND(0.001)	ND(0.001)	0.001	0.004	ND(0.001)	0.000	0.010
	01/07/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.004	ND(0.001)	ND(0.001)	0.001	0.004	ND(0.001)	0.000	0.010
MW-35	04/15/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.006	ND(0.001)	ND(0.001)	0.001	0.006	ND(0.001)	0.000	0.015
	07/18/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.004	ND(0.001)	0.013	ND(0.001)	ND(0.001)	0.002	0.011	ND(0.001)	0.000	0.030

Table 2 - Summary of Laboratory Analytical Results, Ground-Water Samples, Schlumberger Oilfield Services Facility, Artesia, New Mexico

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	TOTAL XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	TOTAL 1,2-DCE (mg/L)	1,1,1-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	CHLORO-ETHANE (mg/L)	TOTAL BTEX CARBONS (mg/L)	TOTAL HALO-CARBONS (mg/L)
MW-30	04/15/98	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.004)	0.002	ND(0.002)	0.002	ND(0.002)	ND(0.002)	ND(0.002)	0.002	ND(0.001)	0.000	0.006
	07/18/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.000	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.000	0.003
	07/18/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.005
	10/27/98	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.006
Dup.	02/09/99	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.001)	0.001	ND(0.0005)	0.002	ND(0.0005)	<0.001	0.002	0.002	ND(0.0005)	0.000	0.005
	02/09/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.007
	04/22/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.007
	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.005
Dup.	07/13/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.008
	10/19/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.003	0.008
	10/19/99	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.003	0.008
	01/26/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.008
Dup.	01/26/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.008
	04/21/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.000	0.006
	07/27/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.001	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.000	0.008
	10/19/00	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.002)	0.002	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.000	0.010
Dup.	01/18/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.000	0.009
	01/18/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.000	0.010
	04/12/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	0.000	0.010
	07/18/01	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.003	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.002)	0.003	ND(0.002)	0.000	0.006
Dup.	10/18/01	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.001)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.000	0.007
	01/12/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.000	0.013
	01/12/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.000	0.012
	04/20/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.006	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	0.000	0.013
Dup.	07/24/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.007	ND(0.001)	ND(0.001)	ND(0.001)	0.006	ND(0.001)	0.000	0.015
	10/15/02	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.003	ND(0.001)	0.007	ND(0.001)	ND(0.001)	0.001	0.006	ND(0.001)	0.000	0.017
	01/22/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.008	ND(0.001)	ND(0.001)	0.001	0.006	ND(0.001)	0.000	0.017
	04/23/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.008	ND(0.001)	ND(0.001)	0.001	0.006	ND(0.001)	0.000	0.017
Dup.	04/23/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.007	ND(0.001)	ND(0.001)	0.001	0.006	ND(0.001)	0.000	0.016
	07/16/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.007	ND(0.001)	ND(0.001)	0.001	0.007	ND(0.001)	0.000	0.017
	10/15/03	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.002	ND(0.001)	0.007	ND(0.001)	ND(0.001)	0.001	0.007	ND(0.001)	0.000	0.017

CHEMICAL ABBREVIATIONS:
1,1-DCA = 1,1-dichloroethane
1,2-DCA = 1,2-dichloroethane
1,1-DCE = 1,1-dichloroethene
1,1,1-TCA = 1,1,1-trichloroethane
1,1,2-TCA = 1,1,2-trichloroethane
TCE = trichloroethene
PCE = tetrachloroethene

ANALYTICAL METHOD USED PRIOR TO 10/95 = EPA METHOD 8240
ANALYTICAL METHOD USED DURING AND AFTER 10/95 = EPA METHOD 8260

NOTES:
mg/L = milligrams per liter (equivalent to parts per million)
dup. = duplicate sample
ND(0.001) = chemical not detected at concentration above detection limit shown in parentheses
J = chemical detected at concentration above instrument detection limit but below method detection limit
* = other chemicals also detected (see previous laboratory reports)
= other chemicals also detected (see laboratory analytical reports - Appendix A)
italicized value - is below the method detection limit
< - analyte detected above the method detection limit but table is reported only to 1 part per billion

**Table 3 - Field Parameters at the Schlumberger Oilfield Services Facility,
Artesia, New Mexico**

Location	Date	pH standard	Conductivity uM/cm	Temperature Celcius	Dissolved Oxygen mg/l	Redox Potential mv
MW-1	10/19/1999	6.94	2340	20.55	0.33	58
	10/19/2000	6.71	2730	21.12	0.39	47
	10/18/2001	6.83	3050	19.93	0.41	152
	10/15/2002	6.88	3190	20.78	0.14	210
	10/15/2003	6.98	3220	21.76	0.04	299
MW-2	10/20/1999	6.95	1019	19.66	0.28	-120
	10/19/2000	6.92	1390	20.64	0.36	-18
	10/18/2001	6.99	1740	19.67	0.37	89
	10/15/2002	6.99	2360	20.98	0.13	169
	10/15/2003	7.00	2700	21.48	0.06	268
MW-3	10/20/1999	6.39	3440	20.26	0.25	-168
	10/19/2000	6.32	4940	20.80	0.35	-133
MW-4	10/20/1999	6.85	1530	19.32	0.24	-102
	10/19/2000	6.70	3000	20.37	0.26	-35
	10/18/2001	6.96	2610	19.38	0.43	174
	10/15/2002	7.00	3100	20.83	0.13	248
	10/15/2003	7.00	3200	21.20	0.04	299
MW-5	10/20/1999	6.98	965	20.24	0.44	-90
	10/19/2000	6.97	1180	20.25	0.42	-37
	10/18/2001	7.05	1466	19.60	0.20	67
	10/15/2002	7.08	2110	21.60	0.14	132
	10/15/2003	7.13	2670	22.18	0.06	295
MW-6	10/19/1999	7.01	2850	18.40	0.44	30
	10/19/2000	6.73	3620	18.67	0.67	166
	10/17/2001	6.84	3210	19.32	0.27	226
	10/15/2002	7.00	3270	18.77	0.15	270
	10/15/2003	7.00	3520	19.74	0.31	405
MW-7	10/19/1999	6.52	4950	18.48	0.36	78
	10/19/2000	6.34	5990	18.55	0.54	178
	10/17/2001	6.69	4790	19.80	0.27	246
	10/15/2002	6.79	5740	18.35	0.35	687
	10/15/2003	6.74	5710	18.73	0.37	655
MW-8	10/19/1999	6.95	2950	18.34	0.35	45
	10/19/2000	6.62	3840	18.78	0.53	179
	10/17/2001	6.41	4860	19.78	0.40	181
	10/15/2002	6.59	4900	18.29	0.32	329
	10/15/2003	6.65	4970	19.14	0.21	375

**Table 3 - Field Parameters at the Schlumberger Oilfield Services Facility,
Artesia, New Mexico**

Location	Date	pH standard	Conductivity uM/cm	Temperature Celcius	Dissolved Oxygen mg/l	Redox Potential mv
MW-9	10/19/1999	6.65	2800	19.25	0.26	-137
	10/19/2000	6.37	3810	19.36	0.62	-138
	10/17/2001	6.29	5380	20.43	0.34	-64
	10/15/2002	6.40	4770	20.04	0.67	-36
	10/16/2003	6.30	5950	19.41	0.06	19
MW-10	10/19/1999	6.99	2950	18.46	0.36	76
	10/19/2000	6.77	3550	18.78	0.54	34
	10/17/2001	6.84	3540	19.52	0.26	183
	10/15/2002	6.86	3570	19.30	0.36	169
	10/16/2003	6.76	3660	18.52	0.06	220
MW-11	10/19/1999	6.43	4900	18.30	0.29	2
	10/19/2000	6.10	7800	18.92	0.49	121
	10/17/2001	6.49	5830	20.28	0.36	209
	10/15/2002	6.14	6680	18.69	0.26	338
	10/15/2003	6.60	8520	20.04	0.20	385
MW-12	10/19/1999	6.43	3250	18.51	0.23	-124
	10/19/2000	6.28	3940	19.15	0.15	-93
	10/18/2001	6.48	4000	18.62	0.31	-10
	10/15/2002	6.66	3500	19.77	0.24	-12
	10/16/2003	6.45	3440	19.47	0.24	-4
MW-13	10/20/1999	6.82	1650	19.97	0.34	-22
	10/19/2000	6.70	2800	20.85	0.42	-20
	10/18/2001	6.89	2210	19.88	0.29	85
	10/15/2002	6.95	1920	20.58	0.17	252
	10/16/2003	6.75	2230	19.80	0.13	341
MW-14	10/20/1999	6.76	2370	19.72	0.33	11
	10/19/2000	6.70	2830	20.46	0.36	45
	10/15/2002	6.92	3730	20.99	1.49	270
	10/16/2003	7.00	3490	20.11	1.04	172
MW-15	10/20/1999	6.29	3700	20	0.21	-118
	10/19/2000	6.34	3690	20.81	0.41	-104
	10/15/2002	6.84	2160	21.04	0.13	20
	10/16/2003	6.62	2080	20.27	0.11	115
MW-17A	10/19/1999	6.56	4080	18.66	0.31	-6
	10/19/2000	6.31	4970	19.17	0.35	-45
	10/17/2001	6.55	4310	19.84	0.26	120
	10/15/2002	6.80	3980	19.99	0.19	199
	10/16/2003	6.76	4490	19.49	0.19	143

**Table 3 - Field Parameters at the Schlumberger Oilfield Services Facility,
Artesia, New Mexico**

Location	Date	pH standard	Conductivity uM/cm	Temperature Celcius	Dissolved Oxygen mg/l	Redox Potential mv
MW-17B	10/19/1999	6.44	4360	18.47	0.27	-13
	10/19/2000	6.53	4480	18.97	0.39	55
	10/17/2001	6.79	3640	19.73	0.30	118
	10/15/2002	6.91	3510	20.06	0.22	220
	10/16/2003	6.81	3840	19.25	0.15	153
MW-17C	10/19/1999	6.13	8580	18.25	0.23	-35
	10/19/2000	5.80	10390	18.95	0.40	-53
	10/17/2000	6.53	3890	20.95	0.50	22
	10/15/2002	6.76	3490	20.70	0.20	49
	10/16/2003	6.78	3510	19.09	0.19	73
MW-17D	10/19/1999	6.48	4900	18.90	0.24	-6
	10/19/2000	6.32	4380	19.68	0.48	18
	10/17/2001	6.54	4000	20.40	0.42	119
	10/15/2002	6.73	3950	20.40	0.21	124
	10/16/2003	6.72	4170	19.82	0.22	97
MW-18	10/19/1999	6.51	4640	18.64	0.34	86
	10/19/2000	6.32	5400	18.54	0.62	182
	10/17/2001	6.49	4690	19.83	0.40	252
	10/15/2002	6.66	4660	18.12	0.31	303
	10/15/2003	6.72	4940	19.80	0.18	388
MW-19	10/19/1999	6.74	4670	18.66	0.32	83
	10/19/2000	6.66	5560	18.90	0.52	170
	10/17/2001	6.86	4480	20.47	0.26	245
	10/15/2002	6.99	4450	18.39	0.22	294
	10/15/2003	7.02	4700	19.95	0.19	367
MW-20	10/19/1999	7.02	2890	18.38	0.34	67
	10/19/2000	6.78	3360	17.73	0.36	170
	10/17/2001	6.91	3020	19.88	0.29	171
	10/15/2002	6.93	3370	18.97	0.23	235
	10/15/2003	6.87	3430	20.66	0.15	287
MW-21	10/19/1999	6.97	2780	19.12	0.48	132
	10/19/2000	6.74	3340	19.10	0.48	178
	10/17/2001	6.84	3380	20.33	0.22	288
	10/15/2002	6.92	3920	18.86	0.26	505
	10/15/2003	6.93	3790	20.46	0.23	379
MW-22	10/19/1999	6.79	4470	19.07	0.31	81
	10/19/2000	6.54	5330	18.99	0.56	254
	10/17/2001	6.68	5110	20.58	0.24	319
	10/15/2002	6.80	5400	19.22	0.12	535
	10/15/2003	6.66	5500	20.62	0.15	640

**Table 3 - Field Parameters at the Schlumberger Oilfield Services Facility,
Artesia, New Mexico**

Location	Date	pH standard	Conductivity uM/cm	Temperature Celcius	Dissolved Oxygen mg/l	Redox Potential mv
MW-23	10/19/1999	7.02	3210	18.91	0.38	56
	10/19/2000	6.76	3830	18.96	0.54	183
	10/17/2001	6.94	3570	20.17	0.22	212
	10/15/2002	7.04	3730	19.40	0.14	285
	10/15/2003	6.83	3780	21.06	0.05	359
MW-24	10/19/1999	7.06	2180	18.59	2.59	63
	10/19/2000	6.86	2630	18.42	1.61	193
	10/17/2001	6.83	2900	19.85	2.55	145
	10/15/2002	6.78	2520	19.18	2.15	225
	10/15/2003	6.83	2670	19.70	2.42	300
MW-25	10/19/1999	6.96	3530	19.43	0.30	247
	10/19/2000	6.63	4270	19.32	0.40	377
	10/17/2001	6.75	4140	20.93	0.26	522
	10/15/2002	6.89	4400	19.41	0.18	635
	10/15/2003	6.71	4870	20.04	0.16	683
MW-26	10/19/1999	6.99	2650	19.06	0.33	61
	10/19/2000	6.73	3510	18.88	0.49	234
	10/17/2001	6.87	3280	20.09	0.22	240
	10/15/2002	6.94	3730	19.81	0.19	605
	10/15/2003	6.83	3040	24.28	0.11	537
MW-27	10/19/1999	7.04	2590	18.74	0.29	32
	10/19/2000	6.78	3180	18.65	0.46	162
	10/17/2001	6.92	3300	19.50	0.39	210
	10/15/2002	7.04	3270	18.99	0.19	377
	10/15/2003	6.82	3520	20.30	0.36	535
MW-28	10/19/1999	7.02	2920	18.29	0.37	70
	10/19/2000	6.78	3530	18.22	0.51	204
	10/17/2001	6.89	3270	19.15	0.28	211
	10/15/2002	7.12	3400	19.22	0.19	260
	10/15/2003	6.78	3590	19.55	0.33	337
MW-29	10/19/1999	7.07	3360	18.87	0.73	58
	10/19/2000	6.85	4040	18.88	0.68	205
	10/17/2001	6.97	3510	19.30	0.30	209
	10/15/2002	7.10	3860	19.22	0.28	264
	10/15/2003	6.98	3260	26.89	0.13	331
MW-30	10/19/1999	7.03	2860	18.88	0.29	60
	10/19/2000	6.81	3380	18.66	0.53	99
	10/17/2001	6.98	3020	21.50	0.39	189
	10/15/2002	7.06	3110	19.58	0.19	264
	10/15/2003	6.89	3300	20.52	0.20	341

Note: mg/l = milligrams per liter
uM/cm = micro moses per centimeter
mv = millivolts

TABLE 4. OPERATIONAL CONDITIONS, WASH BAY SVE SYSTEM,
SCHLUMBERGER FACILITY, ARTESIA, NEW MEXICO

SAMPLE DATE	HOUR METER	VACUUM (inches of water)					
		ZONE 1 MANIFOLD	ZONE 1 BLOWER	ZONE 2 MANIFOLD	ZONE 2 BLOWER	ZONE 3 MANIFOLD	ZONE 3 BLOWER
01/31/94	0.0						
02/01/94	5.3	43	44	41	42	43	44
02/02/94	20.6	40	42				
02/03/94	45.3	38	42			43	45
02/10/94	217.7	34	38				
02/16/94	359.7					41	43
02/23/94	528.5					39	42
03/04/94	746.2	32	36				
03/11/94	912.0					39	40
03/18/94	1083.9			33	37		
03/28/94	1322.8	32	36				
04/08/94	1581.2			32	36		
04/19/94	1855.2	31	34	33	36	35	38
05/06/94	2253.8	41	44	45	46	43	44
05/18/94						43	44
06/01/94		44	44				
06/16/94	3241.2	44	45	46	47	46	47
07/06/94	3712.1	43	44	44	45	45	45
07/21/94	3858.3	43	45	48	48	50	51
08/09/94	3859.7	43	44	45	46	45	46
09/07/94	4519.5	44	45	46	47		
09/30/94	5073.4	44	47	44	46	49	50
10/11/94	5328.8	48	50	41	44	48	50
11/03/94	5864.3	39	43	57	58	58	58
12/05/94	6546.8	57	58	57	58	58	59
01/25/95	7738.0	45	50	58	58	60	58

Note: In April 1995, the wash bay SVE system was expanded. Each of the three zones now has a south (S) and a north (N) subzone.

SAMPLE DATE	HOUR METER	VACUUM (inches of water)					
		ZONE 1 MANIFOLD	ZONE 1 BLOWER	ZONE 2 MANIFOLD	ZONE 2 BLOWER	ZONE 3 MANIFOLD	ZONE 3 BLOWER
04/05/95	8682.1	(S)42 (N)40	44	(S)54 (N)52	48	(S)55 (N)55	48
05/09/95	9489.0	(S)47 (N)45	42				
06/18/95	10424.0	(S)26 (N)25	30	(S)44 (N)42	44	(S)58 (N)53	38
07/11/95	10483.6	(S)42 (N)40	40	(S)43 (N)40	40	(S)45 (N)42	41

**TABLE 4. OPERATIONAL CONDITIONS, WASH BAY SVE SYSTEM,
SCHLUMBERGER FACILITY, ARTESIA, NEW MEXICO**

Note: Beginning in October 1995, vacuum was measured on the combined south subzones of Zones 1,2, and 3, and on the combined north subzones.

SAMPLE DATE	HOUR METER	VACUUM (inches of water)		
		BLOWER	MANIFOLD (Zones 1,2,3 combined) SOUTH SUBZONES	NORTH SUBZONES
10/20/95	11774.0	46	60	57
11/15/95	12404.2	35	34	26
11/30/95	12756.7	37	35	35
01/11/96	13742.0	42	44	29
07/24/96	18411.0	39	56	42
10/22/96	20572.9	49	41	35
04/09/97	24621.7	41	33	28
07/30/97	27308.7	65	20	18
10/17/97	29169.7	65	20	19
01/06/98	31106.3	59	39	34
04/15/98	33462	60+	32	25
07/18/98	35702.2	60+	40	42
10/28/98	38125.5	60+	22	22
02/10/99	40640.1	38	30	32
04/22/99	42368.7	60+	32	29
07/13/99	44335.1	59	38	36
10/20/99	46690.4	41	60	48
01/26/00	49063.7	43	36	30
04/18/00	51084.3	38	33	30
07/27/00		42	35	37
10/19/00	55437.8	40	34	32
01/18/01	55687.0	48	40	38
04/11/01	57130.3	37	30	28
07/19/01	59292.7	36	25	20
10/18/01	61476.2	53.5	40	38
01/12/02	63544.4	42	36	38
04/20/02	Down			
07/24/02	68073.0	38	37	37
10/15/02	70071.2	35	31	31
01/23/03	72425.8	36	31	30
04/24/03	74606.6	36	32	32
07/16/03	76621.9	36	29	31
10/16/03	78805.8	36	30	28

TABLE 5. PID READINGS - VOLATILE ORGANIC COMPOUNDS,
WASH BAY SVE SYSTEM,
SCHLUMBERGER FACILITY, ARTESIA, NEW MEXICO

SAMPLE DATE	HOUR METER	PID READING (ppm)				
		EXHAUST	ZONE 1	ZONE 2	ZONE 3	ALL ZONES
06/17/96						212
07/24/96						156
10/22/96						163
04/09/97		29				38.9
07/29/97						63
10/17/97		18				20.5
01/06/98	31106.3	15				14.4
04/15/98	33462	0				8
07/18/98	35702	35.7				38.7
10/28/98	38125.5	32				41
02/10/99	40640.1	20				29
04/22/99	42368.7	31				13.8
07/13/99	44335.1	---				---
10/20/99	46690.4	---				5.2
01/26/00	49063.7					17.0
04/18/00	51084.3					9.0
07/26/00	----					8.3
10/19/00	55437.8					17.0
1/18/2001	55687.0					7.1
4/11/2001	57130.3					8.3
07/19/01	59292.7					17.2
10/18/01	61476.2					43.0
01/12/02	63544.4					39
04/20/02	Down					---
07/24/02	68073.0					84
10/15/02	70071.2					116
01/23/03						69
04/24/03						44
07/16/03						78
10/16/03						112

note --- = no data available

Schlumberger Oilfield Services Facility, Artesia, New Mexico

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	BENZENE (mg/m3)	ETHYL- BENZENE (mg/m3)	TOLUENE (mg/m3)	TOTAL XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	TCA (mg/m3)	1,1,2- TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)
MS-1	02/10/94	ND(1)		ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
	02/16/94	ND(1)		ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(1)
	02/23/94	ND(0.5)		ND(0.5)	0.51	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)
	03/04/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)
	03/11/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)
	03/18/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	5.60	ND(1)	ND(1)	ND(0.5)
	03/28/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.10	ND(1)	ND(1)	ND(0.5)
	04/20/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	21.30	ND(1)	ND(1)	ND(0.5)
	05/06/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	6.20	ND(0.5)	ND(0.5)	ND(0.5)
	05/18/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4.00	ND(0.5)	ND(0.5)	ND(0.5)
*	06/01/94	ND(1)		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	ND(1)
	12/05/94	ND(0.001)		ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.20
	10/18/95	ND(0.2)		2.02	ND(0.2)	8.07	ND(0.2)	ND(0.2)	ND(0.2)	4.98	ND(0.2)	ND(0.2)	ND(0.2)
	07/24/96	ND(0.3)		ND(0.3)	ND(0.3)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	1.70	ND(0.3)	ND(0.3)	0.40
	10/22/96	ND(0.2)		ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.61	ND(0.2)	ND(0.2)	0.41
MS-2	01/21/97	ND(1.0)		ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.07	ND(1.0)	ND(1.0)	ND(1.0)
	02/03/94	0.70		0.2J	ND(0.5)	ND(0.5)	1.60	ND(0.5)	ND(0.5)	2.20	ND(0.5)	0.68	140.00
	02/10/94	ND(1)		ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	27.25
	02/16/94	ND(1)		ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	14.50
	02/23/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	50.20
	03/04/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	8.50
	03/11/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	17.60
	03/18/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	15.90
	03/28/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.20	ND(1)	ND(1)	6.90
	04/08/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.20	ND(1)	ND(1)	ND(0.5)
*	04/20/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	2.50	ND(1)	ND(1)	12.10
	05/06/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	1.80	ND(0.5)	ND(0.5)	6.80
	05/18/94	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4.00	ND(0.5)	ND(0.5)	6.90
	06/01/94	ND(1)		ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	12.00
	09/07/94	ND(0.001)		ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.31	ND(0.001)	ND(0.001)	ND(0.001)
	01/25/95	ND(0.04)		ND(0.04)	ND(0.04)	0.12	ND(0.04)	ND(0.04)	ND(0.04)	0.93	ND(0.04)	ND(0.04)	0.07
	05/09/95	ND(0.2)		ND(0.2)	ND(0.2)	0.40	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.68
	10/18/95	ND(0.2)		2.14	ND(0.2)	8.62	ND(0.2)	ND(0.2)	ND(0.2)	1.03	ND(0.2)	ND(0.2)	ND(0.2)
	07/24/96	ND(0.3)		ND(0.3)	ND(0.3)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	0.80
	10/22/96	ND(0.2)		ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.24	ND(0.2)	ND(0.2)	0.66
01/21/97	ND(1.0)		ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	

SVE	SAMPLE	DATE
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SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	BENZENE (mg/m3)	ETHYL- BENZENE (mg/m3)	TOLUENE (mg/m3)	TOTAL XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1- TCA (mg/m3)	1,1,2- TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)
MS-COMP	04/09/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.46J	ND(1.0)	ND(1.0)	ND(1.0)
	07/29/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.60J
	01/07/98	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	07/15/98	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)
	10/28/98	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	02/10/99	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	0.83
	04/22/99	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
07/13/99	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
WB-1	02/10/94	ND(1)	3.57	2.98	2.98	12.60	ND(2)	ND(2)	ND(2)	4.07	ND(2)	ND(2)	ND(1)
	02/16/94	ND(1)	1.20	1.10	1.10	10.40	ND(2)	ND(2)	ND(2)	3.70	ND(2)	ND(2)	14.50
	02/23/94	ND(0.5)	2.20	2.40	2.40	18.30	ND(1)	ND(1)	ND(1)	6.10	ND(1)	ND(1)	ND(0.5)
	03/04/94	ND(0.5)	2.60	2.50	2.50	21.20	ND(1)	ND(1)	ND(1)	6.60	ND(1)	ND(1)	ND(0.5)
	03/11/94	ND(0.5)	2.60	2.90	2.90	16.10	ND(1)	ND(1)	ND(1)	9.30	ND(1)	ND(1)	17.60
	03/18/94	ND(0.5)	14.60	1.80	1.80	ND(0.5)	ND(1)	ND(1)	ND(1)	3.50	ND(1)	ND(1)	ND(0.5)
	03/28/94	ND(0.5)	0.90	1.20	8.00	ND(1)	ND(1)	ND(1)	ND(1)	3.40	ND(1)	ND(1)	ND(0.5)
	04/08/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	4.80	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	5.90	ND(1)	ND(1)	ND(1)	2.80	ND(1)	ND(1)	ND(0.5)
	05/06/94	ND(0.5)	1.10	1.70	5.80	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	3.90	ND(0.5)	ND(0.5)	ND(0.5)
	05/18/94	ND(0.5)	0.80	ND(0.5)	8.40	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	1.80	ND(0.5)	ND(0.5)	ND(0.5)
	06/01/94	ND(1)	3.00	ND(1)	6.00	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	2.00
07/06/94	ND(1)	5.00	1.00	11.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	
*	08/10/94	NA	NA	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	09/07/94	ND(0.001)	0.24	0.09	0.61	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
*	12/05/94	ND(0.001)	0.19	0.14	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	0.27	ND(0.001)	ND(0.001)	0.04
	01/25/95	ND(0.04)	0.16	0.12	0.12	1.19	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)
	05/09/95	ND(0.2)	0.78	0.80	0.80	8.24	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.28
WB-2	02/10/94	1.67	5.03	10.13	10.13	14.90	ND(2)	ND(2)	ND(2)	8.34	ND(2)	ND(2)	ND(2)
	02/16/94	ND(1)	3.00	4.80	4.80	29.90	ND(2)	ND(2)	ND(2)	6.50	ND(2)	ND(2)	14.50
	02/23/94	1.40	9.30	16.40	16.40	53.20	ND(1)	ND(1)	ND(1)	12.60	ND(1)	ND(1)	ND(0.5)
	03/04/94	ND(0.5)	5.30	9.50	9.50	39.70	ND(1)	ND(1)	ND(1)	12.10	ND(1)	ND(1)	ND(0.5)
	03/11/94	ND(0.5)	5.40	10.90	10.90	23.20	ND(1)	ND(1)	ND(1)	12.10	ND(1)	ND(1)	ND(0.5)
	03/18/94	0.70	4.80	9.60	9.60	28.10	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)
	03/28/94	ND(0.5)	1.90	3.50	3.50	12.80	ND(1)	ND(1)	ND(1)	5.00	ND(1)	ND(1)	ND(0.5)
04/08/94	ND(0.5)	1.10	1.50	1.50	8.40	ND(1)	ND(1)	ND(1)	2.00	ND(1)	ND(1)	ND(0.5)	
04/20/94	ND(0.5)	4.10	5.80	5.80	27.50	ND(1)	ND(1)	ND(1)	6.80	ND(1)	ND(1)	ND(0.5)	

[illegible]

WB-2 Cont.	*	05/06/94	ND(0.5)	3.70	4.50	30.00	ND(0.5)	ND(0.5)	ND(1)	3.00	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
		05/18/94	ND(0.5)	5.30	6.00	44.20	ND(0.5)	ND(0.5)	ND(1)	2.80	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	*	06/01/94	ND(1)	7.00	ND(1)	15.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
		07/06/94	ND(1)	5.00	8.00	42.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	*	08/10/94	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
		09/07/94	ND(0.001)	0.45	0.41	4.12	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
	*	12/05/94	0.24	1.40	1.66	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.23
		01/25/95	ND(0.04)	0.69	0.91	10.67	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)
		05/09/95	ND(0.2)	0.91	5.44	14.67	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
		WB-3												
		02/03/94	5.50	22.00	78.00	153.00	1.20	ND(0.5)	2.80	26.00	ND(0.5)	ND(0.5)	5.20	
		02/10/94	ND(1)	15.60	64.60	46.90	ND(2)	ND(2)	ND(2)	ND(2)	11.40	ND(2)	ND(2)	ND(2)
		02/16/94	ND(1)	ND(1)	25.70	44.50	ND(2)	ND(2)	ND(2)	ND(2)	11.00	ND(2)	ND(2)	ND(1)
		02/23/94	3.50	17.50	73.20	99.10	ND(1)	ND(1)	ND(1)	ND(1)	19.30	ND(1)	ND(1)	1.60
		03/04/94	2.10	10.60	44.90	60.90	ND(1)	ND(1)	ND(1)	ND(1)	14.70	ND(1)	ND(1)	ND(0.5)
		03/11/94	ND(0.5)	13.30	ND(0.5)	14.30	ND(1)	ND(1)	ND(1)	ND(1)	17.90	ND(1)	ND(1)	ND(0.5)
		03/18/94	ND(0.5)	10.10	38.30	57.20	ND(1)	ND(1)	ND(1)	ND(1)	11.00	ND(1)	ND(1)	ND(0.5)
		03/28/94	1.20	5.70	21.40	30.80	ND(1)	ND(1)	ND(1)	ND(1)	8.10	ND(1)	ND(1)	ND(0.5)
		04/08/94	ND(0.5)	1.50	2.40	9.40	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)
		04/20/94	ND(0.5)	10.60	27.60	31.80	ND(1)	ND(1)	ND(1)	ND(1)	11.10	ND(1)	ND(1)	ND(0.5)
		05/06/94	ND(0.5)	6.80	17.50	38.90	ND(0.5)	ND(0.5)	ND(1)	6.00	ND(0.5)	ND(0.5)	ND(0.5)	
		05/18/94	ND(0.5)	6.20	8.10	43.90	ND(0.5)	ND(0.5)	ND(1)	1.90	ND(0.5)	ND(0.5)	ND(0.5)	
		06/01/94	ND(1)	4.00	7.00	34.00	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	ND(1)	
		07/06/94	ND(1)	11.00	22.00	73.00	ND(1)	ND(1)	ND(1)	ND(1)	3.00	ND(1)	ND(1)	ND(1)
	*	08/10/94	NA	NA	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)
		09/07/94	ND(0.001)	1.35	2.90	10.32	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.16	ND(0.001)	ND(0.001)	ND(0.001)
	*	12/05/94	0.54	2.62	5.86	NA	0.06	ND(0.001)	0.03	ND(0.001)	ND(0.001)	ND(0.001)	0.72	
		01/25/95	0.08	2.75	1.49	23.23	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	0.41	ND(0.04)	ND(0.04)	0.37
		05/09/95	ND(0.2)	2.30	5.00	25.72	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.40
		WB-N1												
		05/09/95	1.27	5.43	19.70	80.19	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.88	
		WB-N2												
		05/09/95	2.13	5.57	22.50	51.92	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.17	
		WB-N3												
		05/09/95	0.58	2.38	8.08	18.57	ND(0.2)	ND(0.2)	0.23	ND(0.2)	ND(0.2)	ND(0.2)	0.60	

Table 6 - Summary of Laboratory Analytical Results, SVE Soil Vapor Samples (Maintenance Shop and Wash Bay SVE Systems), Schlumberger Oilfield Services Facility, Artesia, New Mexico

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	ETHYL-BENZENE (mg/m3)	TOLUENE (mg/m3)	TOTAL XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1-TCA (mg/m3)	1,1,2-TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)
WB-COMP	10/20/95	1.03	9.38	18.30	90.90	ND(0.2)	ND(0.2)	0.26	4.41	ND(0.2)	ND(0.2)	2.38
	07/24/96	ND(0.3)	0.40	1.00	5.20	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
**	10/22/96	ND(0.2)	0.68	0.70	12.93	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.23
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	5.41	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	04/09/97	ND(1.0)	ND(1.0)	ND(1.0)	3.75	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	07/29/97	ND(1.0)	ND(1.0)	ND(1.0)	10.07	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	01/07/98	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	04/15/98	ND(1.0)	ND(1.0)	ND(1.0)	1.17	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	07/15/98	ND(1.0)	ND(1.0)	ND(1.0)	7.69	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	10/28/98	ND(5.0)	ND(5.0)	ND(5.0)	14.35	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
	02/10/99	ND(1.0)	ND(1.0)	ND(1.0)	7.88	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)
	04/22/99	ND(1.0)	ND(1.0)	ND(1.0)	2.05	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	07/13/99	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	10/20/99	ND(0.5)	ND(0.5)	ND(0.5)	1.32	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	01/27/00	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	07/27/00	ND(0.5)	ND(0.5)	ND(0.5)	1.04	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	10/19/00	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
	01/18/01	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	07/19/01	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	10/18/01	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	01/12/02	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	04/20/02	Blower Down										
	07/24/02	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	10/16/02	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	01/23/03	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	07/16/03	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	10/16/03	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

Prior to January 1995, the laboratory analytical method used was EPA Method 8240.

During and after January 1995, the laboratory analytical method used was EPA Method 8260.

See laboratory reports for concentrations of additional analytes.

In April 1995, the wash bay SVE system was expanded. Each of the three zones now consists of an old south (S) and a new north (N) zone.

NOTES:

mg/m3 = milligrams per cubic meter

* = units reported as "ppm" or "mg/L". Detection limit may be incorrect

**=laboratory results may not be an accurate representation of the emissions

J = chemical present above instrument detection limit but below method detection limit

NA = not analyzed

MS = Maintenance Shop SVE system

WB = Wash Bay SVE system

WB-N1 = north subzone of Wash Bay Zone 1

WB-N2 = north subzone of Wash Bay Zone 2

WB-N3 = north subzone of Wash Bay Zone 3

WB-COMP = composite sample from Wash Bay zones 1, 2, and 3

MS-COMP = composite sample from Maintenance Shop zones 1 and 2

CHEMICAL ABBREVIATIONS:

1,1-DCA = 1,1-dichloroethane

1,2-DCA = 1,2-dichloroethane

1,1-DCE = 1,1-dichloroethene

1,1,1-TCA = 1,1,1-trichloroethane

1,1,2-TCA = 1,1,2-trichloroethane

TCE = trichloroethene

PCE = tetrachloroethene

APPENDIX A

Laboratory Analytical Reports



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-020

Client Sample ID: 90125-1.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 17:15

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0039



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-020

Client Sample ID: 90125-1.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 17:15

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 18:45 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 18:45 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/22/03 18:45 / rh
Surr: Dibromofluoromethane	89.7	%REC			70-130	SW8260B	10/22/03 18:45 / rh
Surr: p-Bromofluorobenzene	95.2	%REC			80-120	SW8260B	10/22/03 18:45 / rh
Surr: Toluene-d8	100	%REC			80-120	SW8260B	10/22/03 18:45 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R00040



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-023

Client Sample ID: 90125-2.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 18:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0045



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-023

Client Sample ID: 90125-2.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 18:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 20:44 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Tetrachloroethene	5.6	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 20:44 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	SW8260B	10/22/03 20:44 / rh
Surr: Dibromofluoromethane	89.3	%REC			70-130	SW8260B	10/22/03 20:44 / rh
Surr: p-Bromofluorobenzene	97.4	%REC			80-120	SW8260B	10/22/03 20:44 / rh
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/22/03 20:44 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0046



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-021

Client Sample ID: 90125-4.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 17:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0041



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-021

Client Sample ID: 90125-4.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 17:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 19:25 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 19:25 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/22/03 19:25 / rh
Surr: Dibromofluoromethane	90.2	%REC			70-130	SW8260B	10/22/03 19:25 / rh
Surr: p-Bromofluorobenzene	95.6	%REC			80-120	SW8260B	10/22/03 19:25 / rh
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/22/03 19:25 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0042



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-022

Client Sample ID: 90125-5.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 17:45

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0043



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-022

Client Sample ID: 90125-5.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 17:45

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 20:04 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Tetrachloroethene	3.1	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 20:04 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	SW8260B	10/22/03 20:04 / rh
Surr: Dibromofluoromethane	88.3	%REC			70-130	SW8260B	10/22/03 20:04 / rh
Surr: p-Bromofluorobenzene	94.4	%REC			80-120	SW8260B	10/22/03 20:04 / rh
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/22/03 20:04 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0044



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-019

Client Sample ID: 90125-6.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 17:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0037



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-019

Client Sample ID: 90125-6.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 17:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 18:06 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 18:06 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/22/03 18:06 / rh
Surr: Dibromofluoromethane	89.3	%REC			70-130	SW8260B	10/22/03 18:06 / rh
Surr: p-Bromofluorobenzene	94.9	%REC			80-120	SW8260B	10/22/03 18:06 / rh
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/22/03 18:06 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0038



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-016

Client Sample ID: 90125-7.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 16:15

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,1-Dichloroethane	24	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,1-Dichloroethene	120	ug/L	D	10		SW8260B	10/23/03 06:33 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Benzene	1.4	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0031



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-016

Client Sample ID: 90125-7.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 16:15

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/23/03 07:10 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Tetrachloroethene	120	ug/L	D	10		SW8260B	10/23/03 06:33 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Trichloroethene	5.3	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/23/03 07:10 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	SW8260B	10/23/03 07:10 / rh
Surr: Dibromofluoromethane	107	%REC			70-130	SW8260B	10/23/03 07:10 / rh
Surr: p-Bromofluorobenzene	81.7	%REC			80-120	SW8260B	10/23/03 07:10 / rh
Surr: Toluene-d8	93.2	%REC			80-120	SW8260B	10/23/03 07:10 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0032



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-017

Client Sample ID: 90125-8.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 16:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,1-Dichloroethane	28	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,1-Dichloroethene	36	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
cis-1,2-Dichloroethene	4.0	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-017

Client Sample ID: 90125-8.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 16:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 19:48 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Tetrachloroethene	34	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Trichloroethene	15	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 19:48 / rh
Surr: 1,2-Dichlorobenzene-d4	107	%REC			80-120	SW8260B	10/22/03 19:48 / rh
Surr: Dibromofluoromethane	102	%REC			70-130	SW8260B	10/22/03 19:48 / rh
Surr: p-Bromofluorobenzene	78.5	%REC	S		80-120	SW8260B	10/22/03 19:48 / rh
Surr: Toluene-d8	94.7	%REC			80-120	SW8260B	10/22/03 19:48 / rh

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

S - Spike recovery outside of advisory limits.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

10057980031



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-026

Client Sample ID: 90125-9.10/03

Report Date: 10/28/03

Collection Date: 10/16/03 07:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,1,1-Trichloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,1,2-Trichloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,1-Dichloroethane	18	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,1-Dichloroethene	3.4	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,1-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,2,3-Trichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,2,3-Trichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,2,4-Trichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,2,4-Trimethylbenzene	590	ug/L	D	25		SW8260B	10/23/03 08:25 / rh
1,2-Dibromo-3-chloropropane	7.2	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,2-Dibromoethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,2-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,2-Dichloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,2-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,3,5-Trimethylbenzene	290	ug/L	D	25		SW8260B	10/23/03 08:25 / rh
1,3-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,3-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
1,4-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
2,2-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
2-Chlorotoluene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
4-Chlorotoluene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Benzene	3.2	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Bromobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Bromochloromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Bromodichloromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Bromoform	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Bromomethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Carbon tetrachloride	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Chlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Chlorodibromomethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Chloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Chloroform	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Chloromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
cis-1,2-Dichloroethene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
cis-1,3-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Dibromomethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0051



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-026

Client Sample ID: 90125-9.10/03

Report Date: 10/28/03

Collection Date: 10/16/03 07:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Ethylbenzene	240	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Hexachlorobutadiene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Isopropylbenzene	62	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
m+p-Xylenes	280	ug/L	D	25		SW8260B	10/23/03 08:25 / rh
Methyl ethyl ketone	ND	ug/L	D	50		SW8260B	10/23/03 09:03 / rh
Methylene chloride	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Naphthalene	130	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
n-Butylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
n-Propylbenzene	100	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
o-Xylene	350	ug/L	D	25		SW8260B	10/23/03 08:25 / rh
o-Xylene	330	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
p-Isopropyltoluene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
sec-Butylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Styrene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
tert-Butylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Tetrachloroethene	12	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Toluene	15	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
trans-1,2-Dichloroethene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
trans-1,3-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Trichloroethene	4.2	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Trichlorofluoromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Vinyl chloride	ND	ug/L	D	2.5		SW8260B	10/23/03 09:03 / rh
Surr: 1,2-Dichlorobenzene-d4	108	%REC	D		80-120	SW8260B	10/23/03 09:03 / rh
Surr: Dibromofluoromethane	106	%REC	D		70-130	SW8260B	10/23/03 09:03 / rh
Surr: p-Bromofluorobenzene	86.2	%REC	D		80-120	SW8260B	10/23/03 09:03 / rh
Surr: Toluene-d8	93.7	%REC	D		80-120	SW8260B	10/23/03 09:03 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R005?



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-027
Client Sample ID: 90125-10.10/03

Report Date: 10/28/03
Collection Date: 10/16/03 07:45
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,1-Dichloroethane	1.9	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,1-Dichloroethene	35	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0053



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-027

Client Sample ID: 90125-10.10/03

Report Date: 10/28/03

Collection Date: 10/16/03 07:45

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 17:56 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 17:56 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	SW8260B	10/22/03 17:56 / rh
Surr: Dibromofluoromethane	101	%REC			70-130	SW8260B	10/22/03 17:56 / rh
Surr: p-Bromofluorobenzene	80.2	%REC			80-120	SW8260B	10/22/03 17:56 / rh
Surr: Toluene-d8	93.3	%REC			80-120	SW8260B	10/22/03 17:56 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100579R0056



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-018

Client Sample ID: 90125-11.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 16:45

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,1-Dichloroethane	65	ug/L	D	2.5		SW8260B	10/23/03 16:30 / rh
1,1-Dichloroethene	41	ug/L	D	2.5		SW8260B	10/23/03 16:30 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Benzene	1.5	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0035



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-018

Client Sample ID: 90125-11.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 16:45

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 20:26 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
sec-Butylbenzene	3.8	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Tetrachloroethene	34	ug/L	D	2.5		SW8260B	10/23/03 16:30 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Trichloroethene	39	ug/L	D	2.5		SW8260B	10/23/03 16:30 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Vinyl chloride	1.2	ug/L		1.0		SW8260B	10/22/03 20:26 / rh
Surr: 1,2-Dichlorobenzene-d4	107	%REC			80-120	SW8260B	10/22/03 20:26 / rh
Surr: Dibromofluoromethane	101	%REC			70-130	SW8260B	10/22/03 20:26 / rh
Surr: p-Bromofluorobenzene	82.2	%REC			80-120	SW8260B	10/22/03 20:26 / rh
Surr: Toluene-d8	94.6	%REC			80-120	SW8260B	10/22/03 20:26 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0036



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-028
Client Sample ID: 90125-12.10/03

Report Date: 10/28/03
Collection Date: 10/16/03 08:00
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,1,1-Trichloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,1,2-Trichloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,1-Dichloroethane	46	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,1-Dichloroethene	4.6	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,1-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,2,3-Trichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,2,3-Trichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,2,4-Trichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,2,4-Trimethylbenzene	93	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,2-Dibromoethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,2-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,2-Dichloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,2-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,3,5-Trimethylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,3-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,3-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
1,4-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
2,2-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
2-Chlorotoluene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
4-Chlorotoluene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Benzene	3.0	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Bromobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Bromochloromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Bromodichloromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Bromoform	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Bromomethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Carbon tetrachloride	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Chlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Chlorodibromomethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Chloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Chloroform	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Chloromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
cis-1,2-Dichloroethene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
cis-1,3-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Dibromomethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0055



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-028

Client Sample ID: 90125-12.10/03

Report Date: 10/28/03

Collection Date: 10/16/03 08:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Ethylbenzene	36	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Hexachlorobutadiene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Isopropylbenzene	23	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
m+p-Xylenes	24	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Methyl ethyl ketone	ND	ug/L	D	50		SW8260B	10/23/03 10:54 / rh
Methylene chloride	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Naphthalene	4.8	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
n-Butylbenzene	6.2	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
n-Propylbenzene	39	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
o-Xylene	39	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
p-Isopropyltoluene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
sec-Butylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Styrene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
tert-Butylbenzene	13	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Tetrachloroethene	18	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Toluene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
trans-1,2-Dichloroethene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
trans-1,3-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Trichloroethene	11	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Trichlorofluoromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Vinyl chloride	ND	ug/L	D	2.5		SW8260B	10/23/03 10:54 / rh
Surr: 1,2-Dichlorobenzene-d4	107	%REC	D		80-120	SW8260B	10/23/03 10:54 / rh
Surr: Dibromofluoromethane	107	%REC	D		70-130	SW8260B	10/23/03 10:54 / rh
Surr: p-Bromofluorobenzene	87.1	%REC	D		80-120	SW8260B	10/23/03 10:54 / rh
Surr: Toluene-d8	92.5	%REC	D		80-120	SW8260B	10/23/03 10:54 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0056



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-024

Client Sample ID: 90125-13.10/03

Report Date: 10/28/03

Collection Date: 10/16/03 07:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,1-Dichloroethane	1.3	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0047



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-024
Client Sample ID: 90125-13.10/03

Report Date: 10/28/03
Collection Date: 10/16/03 07:00
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 21:23 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Tetrachloroethene	1.9	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 21:23 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/22/03 21:23 / rh
Surr: Dibromofluoromethane	88.6	%REC			70-130	SW8260B	10/22/03 21:23 / rh
Surr: p-Bromofluorobenzene	95.0	%REC			80-120	SW8260B	10/22/03 21:23 / rh
Surr: Toluene-d8	103	%REC			80-120	SW8260B	10/22/03 21:23 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0048



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-033
Client Sample ID: 90125-14.10/03

Report Date: 10/28/03
Collection Date: 10/16/03 09:15
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,1-Dichloroethane	2.6	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0065



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-033
Client Sample ID: 90125-14.10/03

Report Date: 10/28/03
Collection Date: 10/16/03 09:15
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 23:20 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Tetrachloroethene	1.4	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 23:20 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	SW8260B	10/22/03 23:20 / rh
Surr: Dibromofluoromethane	90.0	%REC			70-130	SW8260B	10/22/03 23:20 / rh
Surr: p-Bromofluorobenzene	97.5	%REC			80-120	SW8260B	10/22/03 23:20 / rh
Surr: Toluene-d8	102	%REC			80-120	SW8260B	10/22/03 23:20 / rh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0066



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-025
Client Sample ID: 90125-15.10/03

Report Date: 10/28/03
Collection Date: 10/16/03 07:15
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,1-Dichloroethane	3.0	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-025

Client Sample ID: 90125-15.10/03

Report Date: 10/28/03

Collection Date: 10/16/03 07:15

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 17:19 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Tetrachloroethene	15	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Trichloroethene	16	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 17:19 / rh
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	10/22/03 17:19 / rh
Surr: Dibromofluoromethane	97.1	%REC			70-130	SW8260B	10/22/03 17:19 / rh
Surr: p-Bromofluorobenzene	79.7	%REC	S		80-120	SW8260B	10/22/03 17:19 / rh
Surr: Toluene-d8	94.0	%REC			80-120	SW8260B	10/22/03 17:19 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100579R0050



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-032

Client Sample ID: 90125-17A.10/03

Report Date: 10/28/03

Collection Date: 10/16/03 09:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,1-Dichloroethane	41	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,1-Dichloroethene	12	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0063



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-032

Client Sample ID: 90125-17A.10/03

Report Date: 10/28/03

Collection Date: 10/16/03 09:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 19:11 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Tetrachloroethene	25	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Trichloroethene	6.7	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 19:11 / rh
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	10/22/03 19:11 / rh
Surr: Dibromofluoromethane	99.9	%REC			70-130	SW8260B	10/22/03 19:11 / rh
Surr: p-Bromofluorobenzene	80.7	%REC			80-120	SW8260B	10/22/03 19:11 / rh
Surr: Toluene-d8	91.9	%REC			80-120	SW8260B	10/22/03 19:11 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0066



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-030

Client Sample ID: 90125-17B.10/03

Report Date: 10/28/03

Collection Date: 10/16/03 08:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,1-Dichloroethane	15	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,1-Dichloroethene	7.9	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0059



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-030

Client Sample ID: 90125-17B.10/03

Report Date: 10/28/03

Collection Date: 10/16/03 08:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 22:41 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Tetrachloroethene	17	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 22:41 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/22/03 22:41 / rh
Surr: Dibromofluoromethane	89.6	%REC			70-130	SW8260B	10/22/03 22:41 / rh
Surr: p-Bromofluorobenzene	94.0	%REC			80-120	SW8260B	10/22/03 22:41 / rh
Surr: Toluene-d8	102	%REC			80-120	SW8260B	10/22/03 22:41 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0060



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-029

Client Sample ID: 90125-17C.10/03

Report Date: 10/28/03

Collection Date: 10/16/03 08:15

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,1-Dichloroethane	7.8	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,1-Dichloroethene	13	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0057



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-029
Client Sample ID: 90125-17C.10/03

Report Date: 10/28/03
Collection Date: 10/16/03 08:15
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 22:02 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Tetrachloroethene	5.0	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Trichloroethene	8.5	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 22:02 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/22/03 22:02 / rh
Surr: Dibromofluoromethane	89.8	%REC			70-130	SW8260B	10/22/03 22:02 / rh
Surr: p-Bromofluorobenzene	95.8	%REC			80-120	SW8260B	10/22/03 22:02 / rh
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/22/03 22:02 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0058



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-031
Client Sample ID: 90125-17D.10/03

Report Date: 10/28/03
Collection Date: 10/16/03 08:45
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,1-Dichloroethane	54	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,1-Dichloroethene	13	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0061



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-031

Client Sample ID: 90125-17D.10/03

Report Date: 10/28/03

Collection Date: 10/16/03 08:45

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 18:33 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
sec-Butylbenzene	1.7	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Tetrachloroethene	16	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Trichloroethene	14	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 18:33 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/22/03 18:33 / rh
Surr: Dibromofluoromethane	101	%REC			70-130	SW8260B	10/22/03 18:33 / rh
Surr: p-Bromofluorobenzene	80.5	%REC			80-120	SW8260B	10/22/03 18:33 / rh
Surr: Toluene-d8	93.1	%REC			80-120	SW8260B	10/22/03 18:33 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0062



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-014

Client Sample ID: 90125-18.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 15:45

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,1-Dichloroethane	31	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,1-Dichloroethene	100	ug/L	D	5.0		SW8260B	10/23/03 01:28 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Benzene	1.0	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
cis-1,2-Dichloroethene	1.8	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0027



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-014
Client Sample ID: 90125-18.10/03

Report Date: 10/28/03
Collection Date: 10/15/03 15:45
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/23/03 02:07 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Tetrachloroethene	90	ug/L	D	5.0		SW8260B	10/23/03 01:28 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Trichloroethene	18	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/23/03 02:07 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/23/03 02:07 / rh
Surr: Dibromofluoromethane	105	%REC			70-130	SW8260B	10/23/03 02:07 / rh
Surr: p-Bromofluorobenzene	80.9	%REC			80-120	SW8260B	10/23/03 02:07 / rh
Surr: Toluene-d8	93.3	%REC			80-120	SW8260B	10/23/03 02:07 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0028



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-015

Client Sample ID: 90125-19.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 16:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,1-Dichloroethane	8.6	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,1-Dichloroethene	31	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-015

Client Sample ID: 90125-19.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 16:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 22:18 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Tetrachloroethene	19	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 22:18 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/22/03 22:18 / rh
Surr: Dibromofluoromethane	103	%REC			70-130	SW8260B	10/22/03 22:18 / rh
Surr: p-Bromofluorobenzene	80.4	%REC			80-120	SW8260B	10/22/03 22:18 / rh
Surr: Toluene-d8	91.5	%REC			80-120	SW8260B	10/22/03 22:18 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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100679R0030



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-002

Client Sample ID: 90125-20.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 12:45

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0003



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-002

Client Sample ID: 90125-20.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 12:45

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 14:11 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 14:11 / rh
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	SW8260B	10/22/03 14:11 / rh
Surr: Dibromofluoromethane	89.2	%REC			70-130	SW8260B	10/22/03 14:11 / rh
Surr: p-Bromofluorobenzene	93.5	%REC			80-120	SW8260B	10/22/03 14:11 / rh
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/22/03 14:11 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0004



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-013
Client Sample ID: 90125-21.10/03

Report Date: 10/28/03
Collection Date: 10/15/03 15:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,1-Dichloroethane	8.8	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,1-Dichloroethene	62	ug/L	D	2.5		SW8260B	10/23/03 17:08 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-013

Client Sample ID: 90125-21.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 15:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 21:03 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Tetrachloroethene	13	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Trichloroethene	6.5	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 21:03 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/22/03 21:03 / rh
Surr: Dibromofluoromethane	99.5	%REC			70-130	SW8260B	10/22/03 21:03 / rh
Surr: p-Bromofluorobenzene	80.2	%REC			80-120	SW8260B	10/22/03 21:03 / rh
Surr: Toluene-d8	93.4	%REC			80-120	SW8260B	10/22/03 21:03 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-011

Client Sample ID: 90125-22.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 15:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,1-Dichloroethane	20	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,1-Dichloroethene	150	ug/L	D	10		SW8260B	10/23/03 03:23 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Benzene	4.3	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0021



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-011

Client Sample ID: 90125-22.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 15:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/23/03 04:01 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Tetrachloroethene	100	ug/L	D	10		SW8260B	10/23/03 03:23 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Trichloroethene	34	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/23/03 04:01 / rh
Surr: Dibromofluoromethane	106	%REC			70-130	SW8260B	10/23/03 04:01 / rh
Surr: p-Bromofluorobenzene	79.7	%REC	S		80-120	SW8260B	10/23/03 04:01 / rh
Surr: Toluene-d8	91.7	%REC			80-120	SW8260B	10/23/03 04:01 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

TRACKING NO. PAGE NO.
100679R0022



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-010

Client Sample ID: 90125-22A.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 14:45

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,1-Dichloroethane	21	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,1-Dichloroethene	170	ug/L	D	10		SW8260B	10/23/03 05:19 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Benzene	7.4	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0019



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-010
Client Sample ID: 90125-22A.10/03

Report Date: 10/28/03
Collection Date: 10/15/03 14:45
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/23/03 05:59 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Tetrachloroethene	140	ug/L	D	10		SW8260B	10/23/03 05:19 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Trichloroethene	38	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/23/03 05:59 / rh
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	SW8260B	10/23/03 05:59 / rh
Surr: Dibromofluoromethane	89.5	%REC			70-130	SW8260B	10/23/03 05:59 / rh
Surr: p-Bromofluorobenzene	94.9	%REC			80-120	SW8260B	10/23/03 05:59 / rh
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/23/03 05:59 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-009

Client Sample ID: 90125-23.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 14:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,1-Dichloroethene	2.7	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0017



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-009
Client Sample ID: 90125-23.10/03

Report Date: 10/28/03
Collection Date: 10/15/03 14:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 17:26 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Tetrachloroethene	1.7	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 17:26 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/22/03 17:26 / rh
Surr: Dibromofluoromethane	90.1	%REC			70-130	SW8260B	10/22/03 17:26 / rh
Surr: p-Bromofluorobenzene	95.5	%REC			80-120	SW8260B	10/22/03 17:26 / rh
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/22/03 17:26 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0018



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-001

Client Sample ID: 90125-24.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 12:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0001



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-001

Client Sample ID: 90125-24.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 12:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 13:31 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 13:31 / rh
Surr: 1,2-Dichlorobenzene-d4	103	%REC			80-120	SW8260B	10/22/03 13:31 / rh
Surr: Dibromofluoromethane	89.7	%REC			70-130	SW8260B	10/22/03 13:31 / rh
Surr: p-Bromofluorobenzene	94.3	%REC			80-120	SW8260B	10/22/03 13:31 / rh
Surr: Toluene-d8	102	%REC			80-120	SW8260B	10/22/03 13:31 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0002



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-012

Client Sample ID: 90125-25.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 15:15

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,1-Dichloroethane	19	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,1-Dichloroethene	100	ug/L	D	5.0		SW8260B	10/22/03 23:34 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Benzene	11	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0023



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-012

Client Sample ID: 90125-25.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 15:15

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/23/03 00:13 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Tetrachloroethene	76	ug/L	D	5.0		SW8260B	10/22/03 23:34 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Trichloroethene	23	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/23/03 00:13 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/23/03 00:13 / rh
Surr: Dibromofluoromethane	104	%REC			70-130	SW8260B	10/23/03 00:13 / rh
Surr: p-Bromofluorobenzene	79.4	%REC	S		80-120	SW8260B	10/23/03 00:13 / rh
Surr: Toluene-d8	91.7	%REC			80-120	SW8260B	10/23/03 00:13 / rh

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

TRACKING NO. PAGE NO.
100679R0024



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-006
Client Sample ID: 90125-26.10/03

Report Date: 10/28/03
Collection Date: 10/15/03 13:45
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,1-Dichloroethane	9.8	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,1-Dichloroethene	56	ug/L	D	5.0		SW8260B	10/23/03 00:00 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Benzene	1.3	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0011



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-006
Client Sample ID: 90125-26.10/03

Report Date: 10/28/03
Collection Date: 10/15/03 13:45
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/23/03 00:41 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Tetrachloroethene	60	ug/L	D	5.0		SW8260B	10/23/03 00:00 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Trichloroethene	16	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/23/03 00:41 / rh
Surr: 1,2-Dichlorobenzene-d4	106	%REC			80-120	SW8260B	10/23/03 00:41 / rh
Surr: Dibromofluoromethane	91.2	%REC			70-130	SW8260B	10/23/03 00:41 / rh
Surr: p-Bromofluorobenzene	96.6	%REC			80-120	SW8260B	10/23/03 00:41 / rh
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/23/03 00:41 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0012



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-007

Client Sample ID: 90125-26A.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 14:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,1-Dichloroethane	8.1	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,1-Dichloroethene	39	ug/L	D	5.0		SW8260B	10/23/03 03:21 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Benzene	3.0	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0013



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-007

Client Sample ID: 90125-26A.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 14:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/23/03 04:01 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Tetrachloroethene	30	ug/L	D	5.0		SW8260B	10/23/03 03:21 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Trichloroethene	7.9	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/23/03 04:01 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/23/03 04:01 / rh
Surr: Dibromofluoromethane	88.8	%REC			70-130	SW8260B	10/23/03 04:01 / rh
Surr: p-Bromofluorobenzene	96.0	%REC			80-120	SW8260B	10/23/03 04:01 / rh
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/23/03 04:01 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-008

Client Sample ID: 90125-27.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 14:15

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0015



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-008

Client Sample ID: 90125-27.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 14:15

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 16:47 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 16:47 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/22/03 16:47 / rh
Surr: Dibromofluoromethane	89.1	%REC			70-130	SW8260B	10/22/03 16:47 / rh
Surr: p-Bromofluorobenzene	95.5	%REC			80-120	SW8260B	10/22/03 16:47 / rh
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/22/03 16:47 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-003

Client Sample ID: 90125-28.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 13:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-003
Client Sample ID: 90125-28.10/03

Report Date: 10/28/03
Collection Date: 10/15/03 13:00
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 14:50 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 14:50 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC			80-120	SW8260B	10/22/03 14:50 / rh
Surr: Dibromofluoromethane	91.3	%REC			70-130	SW8260B	10/22/03 14:50 / rh
Surr: p-Bromofluorobenzene	94.4	%REC			80-120	SW8260B	10/22/03 14:50 / rh
Surr: Toluene-d8	101	%REC			80-120	SW8260B	10/22/03 14:50 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0006



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-004

Client Sample ID: 90125-29.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 13:15

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0007



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-004

Client Sample ID: 90125-29.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 13:15

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 15:29 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 15:29 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/22/03 15:29 / rh
Surr: Dibromofluoromethane	88.6	%REC			70-130	SW8260B	10/22/03 15:29 / rh
Surr: p-Bromofluorobenzene	95.0	%REC			80-120	SW8260B	10/22/03 15:29 / rh
Surr: Toluene-d8	100	%REC			80-120	SW8260B	10/22/03 15:29 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R00008



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-005

Client Sample ID: 90125-30.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 13:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,1-Dichloroethane	2.0	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,1-Dichloroethene	6.6	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R00009



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-005

Client Sample ID: 90125-30.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 13:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/22/03 16:08 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Tetrachloroethene	6.8	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Trichloroethene	1.2	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/22/03 16:08 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/22/03 16:08 / rh
Surr: Dibromofluoromethane	89.3	%REC			70-130	SW8260B	10/22/03 16:08 / rh
Surr: p-Bromofluorobenzene	95.2	%REC			80-120	SW8260B	10/22/03 16:08 / rh
Surr: Toluene-d8	100	%REC			80-120	SW8260B	10/22/03 16:08 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0010



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-034

Client Sample ID: 90125-A.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 12:00

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,1-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,2,3-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,2,4-Trichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,2,4-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,3,5-Trimethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,3-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,3-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
2,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
2-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
4-Chlorotoluene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Benzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Bromobenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Bromoform	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Bromomethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Chloroethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Chloroform	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Chloromethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Dibromomethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100579R0067



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-034
Client Sample ID: 90125-A.10/03

Report Date: 10/28/03
Collection Date: 10/15/03 12:00
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Hexachlorobutadiene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Isopropylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/23/03 15:53 / rh
Methylene chloride	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Naphthalene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
n-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
n-Propylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
o-Xylene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
p-Isopropyltoluene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
sec-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Styrene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
tert-Butylbenzene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Toluene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Trichloroethene	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/23/03 15:53 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC			80-120	SW8260B	10/23/03 15:53 / rh
Surr: Dibromofluoromethane	106	%REC			70-130	SW8260B	10/23/03 15:53 / rh
Surr: p-Bromofluorobenzene	81.6	%REC			80-120	SW8260B	10/23/03 15:53 / rh
Surr: Toluene-d8	92.8	%REC			80-120	SW8260B	10/23/03 15:53 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0068



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants
Project: 90125-Artesia
Lab ID: C03100679-035
Client Sample ID: 90125-B.10/03

Report Date: 10/28/03
Collection Date: 10/15/03 11:30
Date Received: 10/17/03
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,1,1-Trichloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,1,2-Trichloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,1-Dichloroethane	31	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,1-Dichloroethene	100	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,1-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,2,3-Trichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,2,3-Trichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,2,4-Trichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,2,4-Trimethylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,2-Dibromo-3-chloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,2-Dibromoethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,2-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,2-Dichloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,2-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,3,5-Trimethylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,3-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,3-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
1,4-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
2,2-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
2-Chlorotoluene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
4-Chlorotoluene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Benzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Bromobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Bromochloromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Bromodichloromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Bromoform	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Bromomethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Carbon tetrachloride	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Chlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Chlorodibromomethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Chloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Chloroform	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Chloromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
cis-1,2-Dichloroethene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
cis-1,3-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Dibromomethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0069



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-035

Client Sample ID: 90125-B.10/03

Report Date: 10/28/03

Collection Date: 10/15/03 11:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Ethylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Hexachlorobutadiene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Isopropylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
m+p-Xylenes	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Methyl ethyl ketone	ND	ug/L	D	50		SW8260B	10/23/03 12:46 / rh
Methylene chloride	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Naphthalene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
n-Butylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
n-Propylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
o-Xylene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
p-Isopropyltoluene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
sec-Butylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Styrene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
tert-Butylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Tetrachloroethene	87	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Toluene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
trans-1,2-Dichloroethene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
trans-1,3-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Trichloroethene	17	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Trichlorofluoromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Vinyl chloride	ND	ug/L	D	2.5		SW8260B	10/23/03 12:46 / rh
Surr: 1,2-Dichlorobenzene-d4	104	%REC	D		80-120	SW8260B	10/23/03 12:46 / rh
Surr: Dibromofluoromethane	106	%REC	D		70-130	SW8260B	10/23/03 12:46 / rh
Surr: p-Bromofluorobenzene	81.0	%REC	D		80-120	SW8260B	10/23/03 12:46 / rh
Surr: Toluene-d8	93.4	%REC	D		80-120	SW8260B	10/23/03 12:46 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

10057980070



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-036

Client Sample ID: 90125-C.10/03

Report Date: 10/28/03

Collection Date: 10/16/03 06:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,1,1-Trichloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,1,2,2-Tetrachloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,1,2-Trichloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,1-Dichloroethane	18	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,1-Dichloroethene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,1-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,2,3-Trichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,2,3-Trichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,2,4-Trichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,2,4-Trimethylbenzene	600	ug/L	D	25		SW8260B	10/23/03 17:45 / rh
1,2-Dibromo-3-chloropropane	7.3	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,2-Dibromoethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,2-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,2-Dichloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,2-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,3,5-Trimethylbenzene	300	ug/L	D	25		SW8260B	10/23/03 17:45 / rh
1,3-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,3-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
1,4-Dichlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
2,2-Dichloropropane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
2-Chlorotoluene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
4-Chlorotoluene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Benzene	3.2	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Bromobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Bromochloromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Bromodichloromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Bromoform	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Bromomethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Carbon tetrachloride	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Chlorobenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Chlorodibromomethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Chloroethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Chloroform	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Chloromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
cis-1,2-Dichloroethene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
cis-1,3-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Dibromomethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100579R0071



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125-Artesia

Lab ID: C03100679-036

Client Sample ID: 90125-C.10/03

Report Date: 10/28/03

Collection Date: 10/16/03 06:30

Date Received: 10/17/03

Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Ethylbenzene	250	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Ethylbenzene	260	ug/L	D	25		SW8260B	10/23/03 17:45 / rh
Hexachlorobutadiene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Isopropylbenzene	64	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
m+p-Xylenes	290	ug/L	D	25		SW8260B	10/23/03 17:45 / rh
Methyl ethyl ketone	ND	ug/L	D	50		SW8260B	10/23/03 13:23 / rh
Methylene chloride	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Naphthalene	120	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
n-Butylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
n-Propylbenzene	100	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
o-Xylene	360	ug/L	D	25		SW8260B	10/23/03 17:45 / rh
p-Isopropyltoluene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
sec-Butylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Styrene	11	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
tert-Butylbenzene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Tetrachloroethene	11	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Toluene	15	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
trans-1,2-Dichloroethene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
trans-1,3-Dichloropropene	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Trichloroethene	4.2	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Trichlorofluoromethane	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Vinyl chloride	ND	ug/L	D	2.5		SW8260B	10/23/03 13:23 / rh
Surr: 1,2-Dichlorobenzene-d4	105	%REC	D		80-120	SW8260B	10/23/03 13:23 / rh
Surr: Dibromofluoromethane	105	%REC	D		70-130	SW8260B	10/23/03 13:23 / rh
Surr: p-Bromofluorobenzene	86.2	%REC	D		80-120	SW8260B	10/23/03 13:23 / rh
Surr: Toluene-d8	93.3	%REC	D		80-120	SW8260B	10/23/03 13:23 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0072



QA/QC Summary Report

Client: Western Water Consultants

Project: 90125-Artesia

Report Date: 10/28/03

Work Order: C03100679

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
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Method: SW8260B

Batch: R27783

Sample ID: C03100679-006A

Matrix Spike

10/23/03 01:21

1,1,1-Trichloroethane	94	ug/L	5.0	93.8	70	130			
1,1-Dichloroethene	140	ug/L	5.0	83.2	70	130			
1,2-Dichlorobenzene	100	ug/L	5.0	101	70	130			
1,2-Dichloroethane	100	ug/L	5.0	101	70	130			
1,2-Dichloropropane	90	ug/L	5.0	89.6	70	130			
1,4-Dichlorobenzene	80	ug/L	5.0	80.4	70	130			
Benzene	96	ug/L	5.0	95.9	70	130			
Bromodichloromethane	100	ug/L	5.0	99.8	70	130			
Bromoform	91	ug/L	5.0	91.2	70	130			
Carbon tetrachloride	94	ug/L	5.0	93.8	70	130			
Chlorobenzene	96	ug/L	5.0	96.3	70	130			
Chlorodibromomethane	98	ug/L	5.0	98.5	70	130			
Chloroform	100	ug/L	5.0	105	70	130			
cis-1,2-Dichloroethene	90	ug/L	5.0	89.8	70	130			
Ethylbenzene	100	ug/L	5.0	101	70	130			
m+p-Xylenes	97	ug/L	5.0	96.6	70	130			
o-Xylene	90	ug/L	5.0	90.4	70	130			
Tetrachloroethene	160	ug/L	5.0	105	70	130			
Toluene	98	ug/L	5.0	97.8	70	130			
trans-1,2-Dichloroethene	89	ug/L	5.0	88.8	70	130			
Trichloroethene	110	ug/L	5.0	94.4	70	130			
Vinyl chloride	73	ug/L	5.0	72.8	70	130			
Surr: 1,2-Dichlorobenzene-d4			5.0	106	80	120			
Surr: Dibromofluoromethane			5.0	91.5	70	130			
Surr: p-Bromofluorobenzene			5.0	99.8	80	120			
Surr: Toluene-d8			5.0	100	80	120			

Sample ID: C03100679-006A

Matrix Spike Duplicate

10/23/03 02:00

1,1,1-Trichloroethane	95	ug/L	5.0	95.3	70	130			
1,1-Dichloroethene	140	ug/L	5.0	87.9	70	130	3.3	20	
1,2-Dichlorobenzene	100	ug/L	5.0	105	70	130			
1,2-Dichloroethane	110	ug/L	5.0	105	70	130	3.8	20	
1,2-Dichloropropane	94	ug/L	5.0	93.5	70	130			
1,4-Dichlorobenzene	84	ug/L	5.0	84.1	70	130	4.5	20	
Benzene	98	ug/L	5.0	98.2	70	130	2.4	20	
Bromodichloromethane	100	ug/L	5.0	102	70	130			
Bromoform	93	ug/L	5.0	93.2	70	130			
Carbon tetrachloride	96	ug/L	5.0	96	70	130	2.3	20	
Chlorobenzene	98	ug/L	5.0	98.5	70	130	2.3	20	
Chlorodibromomethane	99	ug/L	5.0	98.9	70	130			
Chloroform	110	ug/L	5.0	106	70	130	1.6	20	
cis-1,2-Dichloroethene	92	ug/L	5.0	91.8	70	130			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0073



QA/QC Summary Report

Client: Western Water Consultants

Report Date: 10/28/03

Project: 90125-Artesia

Work Order: C03100679

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R27783		
Sample ID: C03100679-006A		Matrix Spike Duplicate					10/23/03 02:00		
Ethylbenzene	100	ug/L	5.0	102	70	130			
m+p-Xylenes	95	ug/L	5.0	94.8	70	130			
o-Xylene	93	ug/L	5.0	92.8	70	130			
Tetrachloroethene	160	ug/L	5.0	103	70	130	1.1	20	
Toluene	100	ug/L	5.0	101	70	130			
trans-1,2-Dichloroethene	91	ug/L	5.0	90.7	70	130			
Trichloroethene	110	ug/L	5.0	97.2	70	130	2.5	20	
Vinyl chloride	79	ug/L	5.0	79.4	70	130	8.7	20	
Surr: 1,2-Dichlorobenzene-d4			5.0	104	80	120	0	10	
Surr: Dibromofluoromethane			5.0	88.7	70	130	0	10	
Surr: p-Bromofluorobenzene			5.0	100	80	120	0	10	
Surr: Toluene-d8			5.0	101	80	120	0	10	
Sample ID: 22-Oct-03_LCS_5		Laboratory Control Spike					10/22/03 13:48		
1,1,1,2-Tetrachloroethane	9.5	ug/L	1.0	94.6	70	130			
1,1,1-Trichloroethane	7.9	ug/L	1.0	79.3	70	140			
1,1,2,2-Tetrachloroethane	9.7	ug/L	1.0	97	70	130			
1,1,2-Trichloroethane	9.2	ug/L	1.0	92	70	130			
1,1-Dichloroethane	10	ug/L	1.0	104	70	130			
1,1-Dichloroethene	10	ug/L	1.0	99.9	70	130			
1,1-Dichloropropene	8.6	ug/L	1.0	85.7	75	135			
1,2,3-Trichlorobenzene	9.2	ug/L	1.0	92.3	70	130			
1,2,3-Trichloropropane	9.3	ug/L	1.0	92.8	70	130			
1,2,4-Trichlorobenzene	9.4	ug/L	1.0	94.2	70	130			
1,2,4-Trimethylbenzene	10	ug/L	1.0	102	70	130			
1,2-Dibromo-3-chloropropane	7.4	ug/L	1.0	73.7	70	130			
1,2-Dibromoethane	9.4	ug/L	1.0	94.3	70	130			
1,2-Dichlorobenzene	11	ug/L	1.0	113	70	130			
1,2-Dichloroethane	8.3	ug/L	1.0	83	70	130			
1,2-Dichloropropane	11	ug/L	1.0	106	65	135			
1,3,5-Trimethylbenzene	10	ug/L	1.0	101	70	130			
1,3-Dichlorobenzene	11	ug/L	1.0	112	75	125			
1,3-Dichloropropane	8.5	ug/L	1.0	85	70	130			
1,4-Dichlorobenzene	11	ug/L	1.0	113	70	130			
2,2-Dichloropropane	5.8	ug/L	1.0	58.5	60	140			S
2-Chlorotoluene	8.8	ug/L	1.0	88.3	70	130			
4-Chlorotoluene	9.4	ug/L	1.0	94.2	70	130			
Benzene	9.4	ug/L	1.0	93.7	70	130			
Bromobenzene	10	ug/L	1.0	104	70	130			
Bromochloromethane	11	ug/L	1.0	111	70	130			
Bromodichloromethane	7.9	ug/L	1.0	78.7	70	130			
Bromoform	8.7	ug/L	1.0	87.4	70	130			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

TRACKING NO. PAGE NO.
100679R0076



QA/QC Summary Report

Client: Western Water Consultants

Report Date: 10/28/03

Project: 90125-Artesia

Work Order: C03100679

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
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Method: SW8260B

Batch: R27783

Sample ID: 22-Oct-03_LCS_5

Laboratory Control Spike

10/22/03 13:48

Bromomethane	7.9	ug/L	1.0	78.6	65	135			
Carbon tetrachloride	9.1	ug/L	1.0	91.2	70	130			
Chlorobenzene	9.8	ug/L	1.0	98.1	75	135			
Chlorodibromomethane	9.3	ug/L	1.0	93.3	70	130			
Chloroethane	9.8	ug/L	1.0	98.2	65	135			
Chloroform	8.5	ug/L	1.0	84.9	70	130			
Chloromethane	11	ug/L	1.0	113	65	135			
cis-1,2-Dichloroethene	10	ug/L	1.0	101	75	135			
cis-1,3-Dichloropropene	8.6	ug/L	1.0	85.9	70	130			
Dibromomethane	8.7	ug/L	1.0	87.4	70	130			
Dichlorodifluoromethane	6.9	ug/L	1.0	69.3	65	135			
Ethylbenzene	9.2	ug/L	1.0	91.5	70	130			
Hexachlorobutadiene	7.1	ug/L	1.0	70.9	60	140			
Isopropylbenzene	10	ug/L	1.0	104	70	130			
m+p-Xylenes	20	ug/L	1.0	100	70	130			
Methylene chloride	9.7	ug/L	1.0	97.4	70	130			
Naphthalene	11	ug/L	1.0	107	70	130			
n-Butylbenzene	9.9	ug/L	1.0	98.7	75	125			
n-Propylbenzene	10	ug/L	1.0	99.9	70	130			
o-Xylene	10	ug/L	1.0	103	70	130			
p-Isopropyltoluene	11	ug/L	1.0	110	70	130			
sec-Butylbenzene	11	ug/L	1.0	107	70	130			
Styrene	10	ug/L	1.0	103	70	130			
tert-Butylbenzene	11	ug/L	1.0	109	70	130			
Tetrachloroethene	9.8	ug/L	1.0	97.6	70	130			
Toluene	9.6	ug/L	1.0	95.9	70	130			
trans-1,2-Dichloroethene	10	ug/L	1.0	99.9	70	130			
trans-1,3-Dichloropropene	8.3	ug/L	1.0	83	70	130			
Trichloroethene	9.0	ug/L	1.0	90.1	70	130			
Trichlorofluoromethane	8.3	ug/L	1.0	82.9	60	140			
Vinyl chloride	11	ug/L	1.0	108	60	140			
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Surr: Dibromofluoromethane			1.0	95.9	70	130			
Surr: p-Bromofluorobenzene			1.0	80.3	80	130			
Surr: Toluene-d8			1.0	95.1	80	120			

Sample ID: 22-Oct-03_MBLK_8

Method Blank

10/22/03 15:38

1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0075



QA/QC Summary Report

Client: Western Water Consultants

Report Date: 10/28/03

Project: 90125-Artesia

Work Order: C03100679

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R27783
Sample ID: 22-Oct-03_MBLK_8	Method Blank								10/22/03 15:38
1,1-Dichloroethene	ND	ug/L				1.0			
1,1-Dichloropropene	ND	ug/L				1.0			
1,2,3-Trichlorobenzene	ND	ug/L				1.0			
1,2,3-Trichloropropane	ND	ug/L				1.0			
1,2,4-Trichlorobenzene	ND	ug/L				1.0			
1,2,4-Trimethylbenzene	ND	ug/L				1.0			
1,2-Dibromo-3-chloropropane	ND	ug/L				1.0			
1,2-Dibromoethane	ND	ug/L				1.0			
1,2-Dichlorobenzene	ND	ug/L				1.0			
1,2-Dichloroethane	ND	ug/L				1.0			
1,2-Dichloropropane	ND	ug/L				1.0			
1,3,5-Trimethylbenzene	ND	ug/L				1.0			
1,3-Dichlorobenzene	ND	ug/L				1.0			
1,3-Dichloropropane	ND	ug/L				1.0			
1,4-Dichlorobenzene	ND	ug/L				1.0			
2,2-Dichloropropane	ND	ug/L				1.0			
2-Chlorotoluene	ND	ug/L				1.0			
4-Chlorotoluene	ND	ug/L				1.0			
Benzene	ND	ug/L				1.0			
Bromobenzene	ND	ug/L				1.0			
Bromochloromethane	ND	ug/L				1.0			
Bromodichloromethane	ND	ug/L				1.0			
Bromoform	ND	ug/L				1.0			
Bromomethane	ND	ug/L				1.0			
Carbon tetrachloride	ND	ug/L				1.0			
Chlorobenzene	ND	ug/L				1.0			
Chlorodibromomethane	ND	ug/L				1.0			
Chloroethane	ND	ug/L				1.0			
Chloroform	ND	ug/L				1.0			
Chloromethane	ND	ug/L				1.0			
cis-1,2-Dichloroethene	ND	ug/L				1.0			
cis-1,3-Dichloropropene	ND	ug/L				1.0			
Dibromomethane	ND	ug/L				1.0			
Dichlorodifluoromethane	ND	ug/L				1.0			
Ethylbenzene	ND	ug/L				1.0			
Hexachlorobutadiene	ND	ug/L				1.0			
Isopropylbenzene	ND	ug/L				1.0			
m+p-Xylenes	ND	ug/L				1.0			
Methyl ethyl ketone	ND	ug/L				20			
Methylene chloride	ND	ug/L				1.0			
Naphthalene	ND	ug/L				1.0			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0076



QA/QC Summary Report

Client: Western Water Consultants

Report Date: 10/28/03

Project: 90125-Artesia

Work Order: C03100679

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									
Batch: R27783									
Sample ID: 22-Oct-03_MBLK_8	Method Blank								10/22/03 15:38
n-Butylbenzene	ND	ug/L	1.0						
n-Propylbenzene	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
p-Isopropyltoluene	ND	ug/L	1.0						
sec-Butylbenzene	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
tert-Butylbenzene	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Surr: Dibromofluoromethane			1.0	102	70	130			
Surr: p-Bromofluorobenzene			1.0	80	80	120			
Surr: Toluene-d8			1.0	93.3	80	120			
Sample ID: C03100679-011AMS									
Matrix Spike									
10/23/03 04:39									
1,1,1-Trichloroethane	170	ug/L	10	83.2	70	130			
1,1-Dichloroethene	350	ug/L	10	98.5	70	130			
1,2-Dichlorobenzene	240	ug/L	10	120	70	130			
1,2-Dichloroethane	180	ug/L	10	87.8	70	130			
1,2-Dichloropropane	210	ug/L	10	105	70	130			
1,4-Dichlorobenzene	210	ug/L	10	103	70	130			
Benzene	190	ug/L	10	94.3	70	130			
Bromodichloromethane	160	ug/L	10	80.9	70	130			
Bromoform	180	ug/L	10	87.9	70	130			
Carbon tetrachloride	180	ug/L	10	92.2	70	130			
Chlorobenzene	200	ug/L	10	99.8	70	130			
Chlorodibromomethane	190	ug/L	10	96.9	70	130			
Chloroform	180	ug/L	10	89.8	70	130			
cis-1,2-Dichloroethene	200	ug/L	10	101	70	130			
Ethylbenzene	190	ug/L	10	92.6	70	130			
m+p-Xylenes	200	ug/L	10	101	70	130			
o-Xylene	200	ug/L	10	100	70	130			
Tetrachloroethene	290	ug/L	10	95.3	70	130			
Trichloroethene	210	ug/L	10	88.5	70	130			
Vinyl chloride	200	ug/L	10	102	70	130			
Surr: 1,2-Dichlorobenzene-d4			10	104	80	120			
Surr: Dibromofluoromethane			10	103	70	130			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0077



QA/QC Summary Report

Client: Western Water Consultants

Report Date: 10/28/03

Project: 90125-Artesia

Work Order: C03100679

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B Batch: R27783									
Sample ID: C03100679-011AMS Matrix Spike 10/23/03 04:39									
Surr: p-Bromofluorobenzene	10		84	80	120				
Surr: Toluene-d8	10		92.6	80	120				
Sample ID: C03100679-011AMSD Matrix Spike Duplicate 10/23/03 05:16									
1,1,1-Trichloroethane	180	ug/L	10	88	70	130			
1,1-Dichloroethene	360	ug/L	10	103	70	130	2.4	20	
1,2-Dichlorobenzene	240	ug/L	10	119	70	130			
1,2-Dichloroethane	180	ug/L	10	90.4	70	130	2.9	20	
1,2-Dichloropropane	210	ug/L	10	106	70	130			
1,4-Dichlorobenzene	210	ug/L	10	106	70	130	2.9	20	
Benzene	200	ug/L	10	98.9	70	130	4.8	20	
Bromodichloromethane	170	ug/L	10	83.1	70	130			
Bromoform	180	ug/L	10	90.6	70	130			
Carbon tetrachloride	190	ug/L	10	95	70	130	3.0	20	
Chlorobenzene	200	ug/L	10	101	70	130	1.1	20	
Chlorodibromomethane	200	ug/L	10	100	70	130			
Chloroform	190	ug/L	10	93.6	70	130	4.1	20	
cis-1,2-Dichloroethene	200	ug/L	10	102	70	130			
Ethylbenzene	190	ug/L	10	92.9	70	130			
m+p-Xylenes	200	ug/L	10	103	70	130			
o-Xylene	210	ug/L	10	103	70	130			
Tetrachloroethene	300	ug/L	10	96.3	70	130	0.7	20	
Trichloroethene	220	ug/L	10	93	70	130	4.2	20	
Vinyl chloride	220	ug/L	10	108	70	130	5.7	20	
Surr: 1,2-Dichlorobenzene-d4	10		104	80	120		0	10	
Surr: Dibromofluoromethane	10		103	70	130		0	10	
Surr: p-Bromofluorobenzene	10		82.7	80	120		0	10	
Surr: Toluene-d8	10		92.6	80	120		0	10	
Sample ID: 22-Oct-03_LCS_5 Laboratory Control Spike 10/22/03 13:48									
1,1,1,2-Tetrachloroethane	9.5	ug/L	1.0	94.6	70	130			
1,1,1-Trichloroethane	7.9	ug/L	1.0	79.3	70	140			
1,1,2,2-Tetrachloroethane	9.7	ug/L	1.0	97	70	130			
1,1,2-Trichloroethane	9.2	ug/L	1.0	92	70	130			
1,1-Dichloroethane	10	ug/L	1.0	104	70	130			
1,1-Dichloroethene	10	ug/L	1.0	99.9	70	130			
1,1-Dichloropropane	8.6	ug/L	1.0	85.7	75	135			
1,2,3-Trichlorobenzene	9.2	ug/L	1.0	92.3	70	130			
1,2,3-Trichloropropane	9.3	ug/L	1.0	92.8	70	130			
1,2,4-Trichlorobenzene	9.4	ug/L	1.0	94.2	70	130			
1,2,4-Trimethylbenzene	10	ug/L	1.0	102	70	130			
1,2-Dibromo-3-chloropropane	7.4	ug/L	1.0	73.7	70	130			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100679R0078



QA/QC Summary Report

Client: Western Water Consultants

Project: 90125-Artesia

Report Date: 10/28/03

Work Order: C03100679

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R27783		
Sample ID: 22-Oct-03_LCS_5							10/22/03 13:48		
Laboratory Control Spike									
1,2-Dibromoethane	9.4	ug/L	1.0	94.3	70	130			
1,2-Dichlorobenzene	11	ug/L	1.0	113	70	130			
1,2-Dichloroethane	8.3	ug/L	1.0	83	70	130			
1,2-Dichloropropane	11	ug/L	1.0	106	65	135			
1,3,5-Trimethylbenzene	10	ug/L	1.0	101	70	130			
1,3-Dichlorobenzene	11	ug/L	1.0	112	75	125			
1,3-Dichloropropane	8.5	ug/L	1.0	85	70	130			
1,4-Dichlorobenzene	11	ug/L	1.0	113	70	130			
2-Chlorotoluene	8.8	ug/L	1.0	88.3	70	130			
4-Chlorotoluene	9.4	ug/L	1.0	94.2	70	130			
Benzene	9.4	ug/L	1.0	93.7	70	130			
Bromobenzene	10	ug/L	1.0	104	70	130			
Bromochloromethane	11	ug/L	1.0	111	70	130			
Bromodichloromethane	7.9	ug/L	1.0	78.7	70	130			
Bromoform	8.7	ug/L	1.0	87.4	70	130			
Bromomethane	7.9	ug/L	1.0	78.6	65	135			
Carbon tetrachloride	9.1	ug/L	1.0	91.2	70	130			
Chlorobenzene	9.8	ug/L	1.0	98.1	75	135			
Chlorodibromomethane	9.3	ug/L	1.0	93.3	70	130			
Chloroethane	9.8	ug/L	1.0	98.2	65	135			
Chloroform	8.5	ug/L	1.0	84.9	70	130			
Chloromethane	11	ug/L	1.0	113	65	135			
cis-1,2-Dichloroethene	10	ug/L	1.0	101	75	135			
cis-1,3-Dichloropropene	8.6	ug/L	1.0	85.9	70	130			
Dibromomethane	8.7	ug/L	1.0	87.4	70	130			
Dichlorodifluoromethane	6.9	ug/L	1.0	69.3	65	135			
Ethylbenzene	9.2	ug/L	1.0	91.5	70	130			
Hexachlorobutadiene	7.1	ug/L	1.0	70.9	60	140			
Isopropylbenzene	10	ug/L	1.0	104	70	130			
m+p-Xylenes	20	ug/L	1.0	100	70	130			
Methylene chloride	9.7	ug/L	1.0	97.4	70	130			
Naphthalene	11	ug/L	1.0	107	70	130			
n-Butylbenzene	9.9	ug/L	1.0	98.7	75	125			
n-Propylbenzene	10	ug/L	1.0	99.9	70	130			
o-Xylene	10	ug/L	1.0	103	70	130			
p-Isopropyltoluene	11	ug/L	1.0	110	70	130			
sec-Butylbenzene	11	ug/L	1.0	107	70	130			
Styrene	10	ug/L	1.0	103	70	130			
tert-Butylbenzene	11	ug/L	1.0	109	70	130			
Tetrachloroethene	9.8	ug/L	1.0	97.6	70	130			
Toluene	9.6	ug/L	1.0	95.9	70	130			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0079



QA/QC Summary Report

Client: Western Water Consultants

Report Date: 10/28/03

Project: 90125-Artesia

Work Order: C03100679

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R27783		
Sample ID: 22-Oct-03_LCS_5 Laboratory Control Spike							10/22/03 13:48		
trans-1,2-Dichloroethene	10	ug/L	1.0	99.9	70	130			
trans-1,3-Dichloropropene	8.3	ug/L	1.0	83	70	130			
Trichloroethene	9.0	ug/L	1.0	90.1	70	130			
Trichlorofluoromethane	8.3	ug/L	1.0	82.9	60	140			
Vinyl chloride	11	ug/L	1.0	108	60	140			
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Surr: Dibromofluoromethane			1.0	95.9	70	130			
Surr: p-Bromofluorobenzene			1.0	80.3	80	130			
Surr: Toluene-d8			1.0	95.1	80	120			

- One analyte is outside of acceptance range. The sample meets the remainder of the QA criteria.

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100679R0080

Company Name: <u>WUL</u>		Project Name, PWS #, Permit #, Etc.: <u>70125 - AVERSA</u>	
Report Mail Address: <u>G11 SKYLINE RD</u> <u>LAZARUS, WY 82070</u>		Sampler Name if other than Contact: <u>Rick Decker</u> <u>307 742 0031</u>	
Invoice Address: <u>SAME</u>		Purchase Order #: <u>70125.4</u> ELI Quote #:	
Report Required For: ☐ POTW/WWTP ☐ DW ☐ Other _____ Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____ EDD/EDT ☐ Format _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling Comments: _____ Receipt Temp: <u>12</u> °C Cooler ID(s): <u>217</u> Custody Seal ☒ N Intact ☒ N Signature Match ☒ N Lab ID: _____	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) 1 <u>70125-24.10.03</u> <u>10/5/03</u> <u>12:30</u> <u>3W</u> 2 <u>70125-20.10.03</u> <u>12:45</u> 3 <u>70125-28.10.03</u> <u>13:00</u> 4 <u>70125-29.10.03</u> <u>13:15</u> 5 <u>70125-30.10.03</u> <u>13:30</u> 6 <u>70125-26.10.03</u> <u>13:45</u> 7 <u>70125-26A.10.03</u> <u>14:00</u> 8 <u>70125-27.10.03</u> <u>14:15</u> 9 <u>70125-23.10.03</u> <u>14:30</u> 10 <u>70125-22A.10.03</u> <u>14:45</u>		ANALYSIS REQUESTED <u>SEE ATTACHED</u> EPA 606 Number of Containers: _____ Sample Type: A W S V B O _____ Air Water Soils/Solids Vegetation _____ Bioassay Other _____ MATRIX: _____	
Relinquished by: <u>24/24</u> <u>10/16/03</u> <u>12:00</u> Relinquished by: _____ Date/Time: _____		Shipped by: <u>UPS</u> Shipped by: _____ Date/Time: _____	
Custody Record MUST be Signed Signature: _____ Date/Time: _____		Received by: <u>Handelean</u> <u>10/15/03</u> <u>10:30</u> Received by: _____ Date/Time: _____	
Sample Disposal: _____ Return to client: _____ Lab Disposal: _____		LABORATORY USE ONLY Sample Type: _____ # of fractions: _____	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly noted on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.

Company Name: <u>WWC</u>		Project Name, PWS #, Permit #, Etc.: <u>70125 ARTESIA</u>	
Report Mail Address: <u>611 SKYLINE RD</u> <u>LAROMIG WY 92070</u>		Contact Name, Phone, Fax, E-mail: <u>Rick Denelle</u> <u>307-742-0031</u>	
Invoice Address: <u>same</u>		Purchase Order #: <u>70125.4</u>	
Report Required For: ☐ POTW/WWTP ☐ DW ☐ Other _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling	
Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other _____		Comments:	
EDD/EDT ☐ Format _____		Receipt Temp _____ °C	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Cooler ID(s)	
Collection Date		Custody Seal Y N	
Collection Time		Intact Y N	
		Signature Y N	
		Match	
		Lab ID	

Number of Containers	Sample Type: A W S V B O Air Water Soils/Solids Vegetation Biossay Other	ANALYSIS REQUESTED										Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Notify ELI prior to RUSH sample submittal for additional charges and scheduling	Receipt Temp °C
		SEE ATTACHED													
1	MATRIX														
2	SW														
3															
4															
5															
6															
7															
8															
9															
10															

Custody Record MUST be Signed	Relinquished by: <u>[Signature]</u>	Date/Time: <u>10/15/03 16:00</u>	Shipped by: <u>UPS</u>	Date/Time: <u>10/16/03 10:30</u>
	Relinquished by: _____	Date/Time: _____	Shipped by: _____	Date/Time: _____

Sample Disposal: _____	Return to client: _____	Lab Disposal: _____
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In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, & links.

Company Name: WWJL		Project Name, PWS #, Permit #, Etc.: 90125 DETESIA	
Report Mail Address: 411 SKYLINE RD LAPARK, WY 82070		Sampler Name if other than Contact: Rick Deven	
Invoice Address: SAHE		Purchase Order #: 90125.4	
Report Required For: ☐ POTW/WWTP ☐ DW ☐ Other: _____ Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other: _____ EDD/EDT ☐ Format: _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling Comments: _____ Receipt Temp _____ °C Cooler ID(s) _____ Custody Seal Y N Intact Y N Signature Y N Match _____ Lab ID _____	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) Collection Date Collection Time Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other MATRIX		ANALYSIS REQUESTED Normal Turnaround (TAT) RUSH Turnaround (TAT)	
1 90125-4.10.03 10/5/03 17:30 3 W 2 90125-5.10.03 17:45 3 90125-2.10.03 18:00 4 90125-13.10.03 10/10/03 07:00 5 90125-15.10.03 07:15 6 90125-7.10.03 07:30 7 90125-10.10.03 07:45 8 90125-12.10.03 08:00 9 90125-17C.10.03 08:15 10 90125-17B.10.03 08:30		LABORATORY USE ONLY Date/Time: 10/17/03 10:30 Received by: Manat Date/Time: _____	
Relinquished by: Ed 10/10/03 12:00 Relinquished by: _____ Date/Time: _____		Shipped by: VPS Shipped by: _____ Date/Time: _____	
Custody Record MUST be Signed Sample Disposal: _____ Return to client: _____ Lab Disposal: _____		LABORATORY USE ONLY Sample Type: _____ # of fractions: _____	

Company Name: WWC		Project Name, PWS #, Permit #, Etc.: 90125 ARTESIA																																																																																																																																																							
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Custody Record MUST be Signed		Received by: Shana Pearce Date/Time: 10/16/03 03:30 Received by: _____ Date/Time: _____																																																																																																																																																							
Sample Disposal: _____ Return to client: _____		Sample Type: _____ # of fractions: _____																																																																																																																																																							

TRACKING NO. **10067980086**

Energy Laboratories Inc.

Sample Receipt Checklist

Client Name **WSTRN-WTR-CNSLTNTS-LR**

Date and Time Received: **10/17/2003 10:30:00**

Work Order Number **C03100679**

Received by **sp**

Checklist completed by

Manafreay 10/17/03
Signature Date

Reviewed by

Initials

Date

Carrier name UPS

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☒	12 °C
Water - VOA vials have zero headspace?	Yes ☒	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☒	No ☐	Not Applicable ☐

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____

TRACKING NO. PAGE NO.

100679R0085



ANALYTICAL SUMMARY REPORT

October 28, 2003

Rick Deuell

Western Water Consultants

611 Skyline Rd

PO Box 4128

Laramie, WY 82071

Workorder No.: C03100679

Project Name: 90125-Artesia

Energy Laboratories Inc. received the following 36 samples from Western Water Consultants on 10/17/2003 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C03100679-001	90125-24.10/03	10/15/03 12:30	10/17/03	Aqueous	SW8260B VOCs, Standard List
C03100679-002	90125-20.10/03	10/15/03 12:45	10/17/03	Aqueous	Same As Above
C03100679-003	90125-28.10/03	10/15/03 13:00	10/17/03	Aqueous	Same As Above
C03100679-004	90125-29.10/03	10/15/03 13:15	10/17/03	Aqueous	Same As Above
C03100679-005	90125-30.10/03	10/15/03 13:30	10/17/03	Aqueous	Same As Above
C03100679-006	90125-26.10/03	10/15/03 13:45	10/17/03	Aqueous	Same As Above
C03100679-007	90125-26A.10/03	10/15/03 14:00	10/17/03	Aqueous	Same As Above
C03100679-008	90125-27.10/03	10/15/03 14:15	10/17/03	Aqueous	Same As Above
C03100679-009	90125-23.10/03	10/15/03 14:30	10/17/03	Aqueous	Same As Above
C03100679-010	90125-22A.10/03	10/15/03 14:45	10/17/03	Aqueous	Same As Above
C03100679-011	90125-22.10/03	10/15/03 15:00	10/17/03	Aqueous	Same As Above
C03100679-012	90125-25.10/03	10/15/03 15:15	10/17/03	Aqueous	Same As Above
C03100679-013	90125-21.10/03	10/15/03 15:30	10/17/03	Aqueous	Same As Above
C03100679-014	90125-18.10/03	10/15/03 15:45	10/17/03	Aqueous	Same As Above
C03100679-015	90125-19.10/03	10/15/03 16:00	10/17/03	Aqueous	Same As Above
C03100679-016	90125-7.10/03	10/15/03 16:15	10/17/03	Aqueous	Same As Above
C03100679-017	90125-8.10/03	10/15/03 16:30	10/17/03	Aqueous	Same As Above
C03100679-018	90125-11.10/03	10/15/03 16:45	10/17/03	Aqueous	Same As Above
C03100679-019	90125-6.10/03	10/15/03 17:00	10/17/03	Aqueous	Same As Above
C03100679-020	90125-1.10/03	10/15/03 17:15	10/17/03	Aqueous	Same As Above
C03100679-021	90125-4.10/03	10/15/03 17:30	10/17/03	Aqueous	Same As Above
C03100679-022	90125-5.10/03	10/15/03 17:45	10/17/03	Aqueous	Same As Above
C03100679-023	90125-2.10/03	10/15/03 18:00	10/17/03	Aqueous	Same As Above
C03100679-024	90125-13.10/03	10/16/03 7:00	10/17/03	Aqueous	Same As Above



C03100679-025	90125-15.10/03	10/16/03 7:15	10/17/03	Aqueous	Same As Above
C03100679-026	90125-9.10/03	10/16/03 7:30	10/17/03	Aqueous	Same As Above
C03100679-027	90125-10.10/03	10/16/03 7:45	10/17/03	Aqueous	Same As Above
C03100679-028	90125-12.10/03	10/16/03 8:00	10/17/03	Aqueous	Same As Above
C03100679-029	90125-17C.10/03	10/16/03 8:15	10/17/03	Aqueous	Same As Above
C03100679-030	90125-17B.10/03	10/16/03 8:30	10/17/03	Aqueous	Same As Above
C03100679-031	90125-17D.10/03	10/16/03 8:45	10/17/03	Aqueous	Same As Above
C03100679-032	90125-17A.10/03	10/16/03 9:00	10/17/03	Aqueous	Same As Above
C03100679-033	90125-14.10/03	10/16/03 9:15	10/17/03	Aqueous	Same As Above
C03100679-034	90125-A.10/03	10/15/03 12:00	10/17/03	Aqueous	Same As Above
C03100679-035	90125-B.10/03	10/15/03 11:30	10/17/03	Aqueous	Same As Above
C03100679-036	90125-C.10/03	10/16/03 6:30	10/17/03	Aqueous	Same As Above

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:


ROGER GARONO
LABORATORY SUPERVISOR



Date: 28-Oct-03

CLIENT: Western Water Consultants
Project: 90125-Artesia
Sample Delivery Group: C03100679

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-cs - Energy Laboratories, Inc. - College Station, TX
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by NELAC. Some client specific reporting requirements may not require NELAC reporting protocol.

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

The total number of pages of this report are indicated by the last four digits of the tracking number located in the lower right corner.

TRACKING NO. PAGE NO.
100679R0088



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125 Artesia

Lab ID: C03100665-001

Client Sample ID: 90125-INP.10/03

Report Date: 10/21/03

Collection Date: 10/16/03 15:00

Date Received: 10/17/03

Matrix: Air

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
1,1,1,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,1,1-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,1,2,2-Tetrachloroethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,1,2-Trichloroethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,1-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,1-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,1-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,2,3-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,2,3-Trichloropropane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,2,4-Trichlorobenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,2,4-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,2-Dibromo-3-chloropropane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,2-Dibromoethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,2-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,2-Dichloroethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,3,5-Trimethylbenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,3-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,3-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
1,4-Dichlorobenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
2,2-Dichloropropane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
2-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
4-Chlorotoluene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Benzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Bromobenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Bromochloromethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Bromodichloromethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Bromoform	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Bromomethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Carbon tetrachloride	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Chlorobenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Chlorodibromomethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Chloroethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Chloroform	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Chloromethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
cis-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
cis-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Dibromomethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Water Consultants

Project: 90125 Artesia

Lab ID: C03100665-001

Client Sample ID: 90125-INP.10/03

Report Date: 10/21/03

Collection Date: 10/16/03 15:00

Date Received: 10/17/03

Matrix: Air

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
VOLATILE ORGANIC COMPOUNDS							
Dichlorodifluoromethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Ethylbenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Hexachlorobutadiene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Isopropylbenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
m+p-Xylenes	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Methyl ethyl ketone	ND	mg/m3		20		SW8260B	10/17/03 15:08 / rh
Methylene chloride	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Naphthalene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
n-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
n-Propylbenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
o-Xylene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
p-Isopropyltoluene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
sec-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Styrene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
tert-Butylbenzene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Tetrachloroethene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Toluene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
trans-1,2-Dichloroethene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
trans-1,3-Dichloropropene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Trichloroethene	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Trichlorofluoromethane	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Vinyl chloride	ND	mg/m3		1.0		SW8260B	10/17/03 15:08 / rh
Surr: 1,2-Dichlorobenzene-d4	107	%REC			80-120	SW8260B	10/17/03 15:08 / rh
Surr: Dibromofluoromethane	91.5	%REC			80-120	SW8260B	10/17/03 15:08 / rh
Surr: p-Bromofluorobenzene	102	%REC			80-120	SW8260B	10/17/03 15:08 / rh
Surr: Toluene-d8	106	%REC			80-120	SW8260B	10/17/03 15:08 / rh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO
100665R00007



QA/QC Summary Report

Client: Western Water Consultants

Report Date: 10/21/03

Project: 90125 Artesia

Work Order: C03100665

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R27526		
Sample ID: LCS Curve 1 @ Laboratory Control Spike							10/17/03 11:14		
1,1,1,2-Tetrachloroethane	8.73	mg/m3	1.00	87.3	70	130			
1,1,1-Trichloroethane	8.44	mg/m3	1.00	84.4	70	130			
1,1,2,2-Tetrachloroethane	10.2	mg/m3	1.00	102	70	130			
1,1,2-Trichloroethane	9.14	mg/m3	1.00	91.4	70	130			
1,1-Dichloroethane	8.93	mg/m3	1.00	89.3	70	130			
1,1-Dichloroethene	10.6	mg/m3	1.00	106	70	130			
1,1-Dichloropropene	9.09	mg/m3	1.00	90.9	70	130			
1,2,3-Trichlorobenzene	10.2	mg/m3	1.00	102	70	130			
1,2,3-Trichloropropane	9.24	mg/m3	1.00	92.4	70	130			
1,2,4-Trichlorobenzene	10.1	mg/m3	1.00	101	70	130			
1,2,4-Trimethylbenzene	9.52	mg/m3	1.00	95.2	70	130			
1,2-Dibromo-3-chloropropane	9.04	mg/m3	1.00	90.4	70	130			
1,2-Dibromoethane	9.13	mg/m3	1.00	91.3	70	130			
1,2-Dichlorobenzene	9.91	mg/m3	1.00	99.1	70	130			
1,2-Dichloroethane	8.01	mg/m3	1.00	80.1	70	130			
1,2-Dichloropropane	9.30	mg/m3	1.00	93	70	130			
1,3,5-Trimethylbenzene	9.65	mg/m3	1.00	96.5	70	130			
1,3-Dichlorobenzene	9.08	mg/m3	1.00	90.8	70	130			
1,3-Dichloropropane	8.85	mg/m3	1.00	88.5	70	130			
1,4-Dichlorobenzene	7.45	mg/m3	1.00	74.5	70	130			
2,2-Dichloropropane	9.21	mg/m3	1.00	92.1	70	130			
2-Chlorotoluene	10.4	mg/m3	1.00	104	70	130			
4-Chlorotoluene	8.93	mg/m3	1.00	89.3	70	130			
Benzene	9.66	mg/m3	1.00	96.6	70	130			
Bromobenzene	9.29	mg/m3	1.00	92.9	70	130			
Bromochloromethane	10.6	mg/m3	1.00	106	70	130			
Bromodichloromethane	8.66	mg/m3	1.00	86.6	70	130			
Bromoform	8.67	mg/m3	1.00	86.7	70	130			
Bromomethane	11.2	mg/m3	1.00	112	70	130			
Carbon tetrachloride	8.33	mg/m3	1.00	83.3	70	130			
Chlorobenzene	9.75	mg/m3	1.00	97.5	70	130			
Chlorodibromomethane	8.66	mg/m3	1.00	86.6	70	130			
Chloroethane	10.8	mg/m3	1.00	108	70	130			
Chloroform	9.51	mg/m3	1.00	95.1	70	130			
Chloromethane	9.72	mg/m3	1.00	97.2	70	130			
cis-1,2-Dichloroethene	9.26	mg/m3	1.00	92.6	70	130			
cis-1,3-Dichloropropene	9.43	mg/m3	1.00	94.3	70	130			
Dibromomethane	8.47	mg/m3	1.00	84.7	70	130			
Dichlorodifluoromethane	9.76	mg/m3	1.00	97.6	70	130			
Ethylbenzene	10.0	mg/m3	1.00	100	70	130			
Hexachlorobutadiene	10.0	mg/m3	1.00	100	70	130			

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100665R00003



QA/QC Summary Report

Client: Western Water Consultants

Project: 90125 Artesia

Report Date: 10/21/03

Work Order: C03100665

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
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Method: SW8260B

Batch: R27526

Sample ID: LCS Curve 1 @

Laboratory Control Spike

10/17/03 11:14

Isopropylbenzene	10.2	mg/m3	1.00	102	70	130			
m+p-Xylenes	20.2	mg/m3	1.00	101	70	130			
Methylene chloride	9.89	mg/m3	1.00	98.9	70	130			
Naphthalene	10.2	mg/m3	1.00	102	70	130			
n-Butylbenzene	10.3	mg/m3	1.00	103	70	130			
n-Propylbenzene	10.2	mg/m3	1.00	102	70	130			
o-Xylene	9.70	mg/m3	1.00	97	70	130			
p-Isopropyltoluene	9.72	mg/m3	1.00	97.2	70	130			
sec-Butylbenzene	10.3	mg/m3	1.00	103	70	130			
Styrene	9.57	mg/m3	1.00	95.7	70	130			
tert-Butylbenzene	10.2	mg/m3	1.00	102	70	130			
Tetrachloroethene	9.65	mg/m3	1.00	96.5	70	130			
Toluene	10.6	mg/m3	1.00	106	70	130			
trans-1,2-Dichloroethene	9.37	mg/m3	1.00	93.7	70	130			
trans-1,3-Dichloropropene	9.39	mg/m3	1.00	93.9	70	130			
Trichloroethene	9.27	mg/m3	1.00	92.7	70	130			
Trichlorofluoromethane	9.66	mg/m3	1.00	96.6	70	130			
Vinyl chloride	10.9	mg/m3	1.00	109	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.00	102	80	120			
Surr: Dibromofluoromethane			1.00	86.5	80	120			
Surr: p-Bromofluorobenzene			1.00	97	80	120			
Surr: Toluene-d8			1.00	106	80	120			

Sample ID: Method Blank #

Method Blank

10/17/03 14:29

1,1,1,2-Tetrachloroethane	ND	mg/m3	1.00						
1,1,1-Trichloroethane	ND	mg/m3	1.00						
1,1,2,2-Tetrachloroethane	ND	mg/m3	1.00						
1,1,2-Trichloroethane	ND	mg/m3	1.00						
1,1-Dichloroethane	ND	mg/m3	1.00						
1,1-Dichloroethene	ND	mg/m3	1.00						
1,1-Dichloropropene	ND	mg/m3	1.00						
1,2,3-Trichlorobenzene	ND	mg/m3	1.00						
1,2,3-Trichloropropane	ND	mg/m3	1.00						
1,2,4-Trichlorobenzene	ND	mg/m3	1.00						
1,2,4-Trimethylbenzene	ND	mg/m3	1.00						
1,2-Dibromo-3-chloropropane	ND	mg/m3	1.00						
1,2-Dibromoethane	ND	mg/m3	1.00						
1,2-Dichlorobenzene	ND	mg/m3	1.00						
1,2-Dichloroethane	ND	mg/m3	1.00						
1,2-Dichloropropane	ND	mg/m3	1.00						
1,3,5-Trimethylbenzene	ND	mg/m3	1.00						
1,3-Dichlorobenzene	ND	mg/m3	1.00						

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.
100665R0004



QA/QC Summary Report

Client: Western Water Consultants

Report Date: 10/21/03

Project: 90125 Artesia

Work Order: C03100665

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R27526
Sample ID: Method Blank #	Method Blank								10/17/03 14:29
1,3-Dichloropropane	ND	mg/m3	1.00						
1,4-Dichlorobenzene	ND	mg/m3	1.00						
2,2-Dichloropropane	ND	mg/m3	1.00						
2-Chlorotoluene	ND	mg/m3	1.00						
4-Chlorotoluene	ND	mg/m3	1.00						
Benzene	ND	mg/m3	1.00						
Bromobenzene	ND	mg/m3	1.00						
Bromochloromethane	ND	mg/m3	1.00						
Bromodichloromethane	ND	mg/m3	1.00						
Bromoform	ND	mg/m3	1.00						
Bromomethane	ND	mg/m3	1.00						
Carbon tetrachloride	ND	mg/m3	1.00						
Chlorobenzene	ND	mg/m3	1.00						
Chlorodibromomethane	ND	mg/m3	1.00						
Chloroethane	ND	mg/m3	1.00						
Chloroform	ND	mg/m3	1.00						
Chloromethane	ND	mg/m3	1.00						
cis-1,2-Dichloroethene	ND	mg/m3	1.00						
cis-1,3-Dichloropropene	ND	mg/m3	1.00						
Dibromomethane	ND	mg/m3	1.00						
Dichlorodifluoromethane	ND	mg/m3	1.00						
Ethylbenzene	ND	mg/m3	1.00						
Hexachlorobutadiene	ND	mg/m3	1.00						
Isopropylbenzene	ND	mg/m3	1.00						
m+p-Xylenes	ND	mg/m3	1.00						
Methyl ethyl ketone	ND	mg/m3	20.0						
Methylene chloride	ND	mg/m3	1.00						
Naphthalene	ND	mg/m3	1.00						
n-Butylbenzene	ND	mg/m3	1.00						
n-Propylbenzene	ND	mg/m3	1.00						
o-Xylene	ND	mg/m3	1.00						
p-Isopropyltoluene	ND	mg/m3	1.00						
sec-Butylbenzene	ND	mg/m3	1.00						
Styrene	ND	mg/m3	1.00						
tert-Butylbenzene	ND	mg/m3	1.00						
Tetrachloroethene	ND	mg/m3	1.00						
Toluene	ND	mg/m3	1.00						
trans-1,2-Dichloroethene	ND	mg/m3	1.00						
trans-1,3-Dichloropropene	ND	mg/m3	1.00						
Trichloroethene	ND	mg/m3	1.00						
Trichlorofluoromethane	ND	mg/m3	1.00						

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100665R0005



QA/QC Summary Report

Client: Western Water Consultants

Report Date: 10/23/03

Project: 90125 Artesia

Work Order: C03100665

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B							Batch: R27526		
Sample ID: Method Blank # Method Blank							10/17/03 14:29		
Vinyl chloride	ND	mg/m3	1.00						
Surr: 1,2-Dichlorobenzene-d4			1.00	103	80	120			
Surr: Dibromofluoromethane			1.00	84.9	80	120			
Surr: p-Bromofluorobenzene			1.00	99.9	80	120			
Surr: Toluene-d8			1.00	108	80	120			
Sample ID: C03100665-001A Matrix Spike							10/17/03 15:57		
1,1,1-Trichloroethane	7.86	mg/m3	1.00	78.6	70	130			
1,1-Dichloroethene	10.1	mg/m3	1.00	101	70	130			
1,2-Dichloroethane	8.06	mg/m3	1.00	80.6	70	130			
1,4-Dichlorobenzene	8.60	mg/m3	1.00	86	70	130			
Benzene	9.62	mg/m3	1.00	96.2	70	130			
Bromodichloromethane	8.64	mg/m3	1.00	86.4	70	130			
Bromoform	8.08	mg/m3	1.00	80.8	70	130			
Carbon tetrachloride	8.17	mg/m3	1.00	81.7	70	130			
Chlorodibromomethane	7.83	mg/m3	1.00	78.3	70	130			
Chloroform	8.99	mg/m3	1.00	89.9	70	130			
Trichloroethene	9.01	mg/m3	1.00	90.1	70	130			
Vinyl chloride	10.5	mg/m3	1.00	105	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.00	105	80	120			
Surr: Dibromofluoromethane			1.00	83.3	80	120			
Surr: p-Bromofluorobenzene			1.00	101	80	120			
Surr: Toluene-d8			1.00	110	80	120			
Sample ID: C03100665-001A Matrix Spike Duplicate							10/17/03 16:36		
1,1,1-Trichloroethane	8.58	mg/m3	1.00	85.8	70	130	8.8	20	
1,1-Dichloroethene	10.9	mg/m3	1.00	109	70	130	8.0	20	
1,2-Dichloroethane	8.31	mg/m3	1.00	83.1	70	130	3.1	20	
1,4-Dichlorobenzene	8.99	mg/m3	1.00	89.9	70	130	4.4	20	
Benzene	9.94	mg/m3	1.00	99.4	70	130	3.3	20	
Bromodichloromethane	8.95	mg/m3	1.00	89.5	70	130	3.5	20	
Bromoform	8.37	mg/m3	1.00	83.7	70	130	3.5	20	
Carbon tetrachloride	8.64	mg/m3	1.00	86.4	70	130	5.6	20	
Chlorodibromomethane	8.38	mg/m3	1.00	83.8	70	130	6.8	20	
Chloroform	9.67	mg/m3	1.00	96.7	70	130	7.3	20	
Trichloroethene	9.45	mg/m3	1.00	94.5	70	130	4.8	20	
Vinyl chloride	10.6	mg/m3	1.00	106	70	130	1.6	20	
Surr: 1,2-Dichlorobenzene-d4			1.00	104	80	120	0	10	
Surr: Dibromofluoromethane			1.00	86	80	120	0	10	
Surr: p-Bromofluorobenzene			1.00	101	80	120	0	10	
Surr: Toluene-d8			1.00	109	80	120	0	10	

Qualifiers: RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

TRACKING NO. PAGE NO.

100665R0006



Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT, provide as much information as possible.
Refer to corresponding notes on reverse side.

Company Name: WJC		Project Name, PWS #, Permit #, Etc.: 70125 ARTESIA	
Report Address: 6111 SKYLINE RD LARAMIE WY 82070		Contact Name, Phone, Fax, E-mail: rick dewell 307 742 0031	
Invoice Address: SACG		Purchase Order #: 90125.5	
Report Required For: POTW/WWTP DW Other: _____ Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC ☐ A2LA ☐ Level IV ☐ Other: _____ EDD/EDT ☐ Format: _____		Notify ELI prior to RUSH sample submittal for additional charges and scheduling Comments: _____ RUSH Turnaround (TAT) _____ Normal Turnaround (TAT) _____	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		ANALYSIS REQUESTED	
1 70125 - INP. 10/03		Number of Containers: _____ Sample Type: A W S V B O _____ Air Water Soils/Solids Vegetation _____ Bioassay Other: P928 R17	
Collection Date: 10/16/03		Matrix: IA	
Collection Time: 15:00		Date/Time: 10/16/03 16:00	
Relinquished by: [Signature]		Shipped by: [Signature]	
Relinquished by: _____		Shipped by: _____	
Date/Time: _____		Date/Time: _____	
Custody Record MUST be Signed		Received by: [Signature] Received by: _____ Date/Time: 10/17/03 Date/Time: _____	
Sample Disposal: _____		Sample Type: _____	
Return to client: _____		# of fractions: 1000	

TRACKING NO. PAGE NO.

100665R0007

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Energy Laboratories Inc.

Sample Receipt Checklist

Client Name: WSTRN-WTR-CNSLTNTS-LR

Date and Time Received: 10/17/2003 10:00:00

Work Order Number C03100665

Received by: trs

Checklist completed by

F. J. Schaefer 10/17/03
Signature Date

Reviewed by

Initials

Date

Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☒	No ☐	N/A °C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☒
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☒

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments:

Corrective Action _____

TRACKING NO. PAGE NO.

100665R0008



ANALYTICAL SUMMARY REPORT

October 21, 2003

Chris Moody

Western Water Consultants

611 Skyline Rd

PO Box 4128

Laramie, WY 82071

Workorder No.: C03100665

Project Name: 90125 Artesia

Energy Laboratories Inc. received the following 1 sample from Western Water Consultants on 10/17/2003 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C03100665-001	90125-INP.10/03	10/16/03 15:00	10/17/03	Air	SW8260B VOCs, Standard List

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:


ROBERT CAPLAN
LABORATORY SUPERVISOR



Date: 21-Oct-03

CLIENT: Western Water Consultants
Project: 90125 Artesia
Sample Delivery Group: C03100665

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-cs - Energy Laboratories, Inc. - College Station, TX
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by NELAC. Some client specific reporting requirements may not require NELAC reporting protocol.

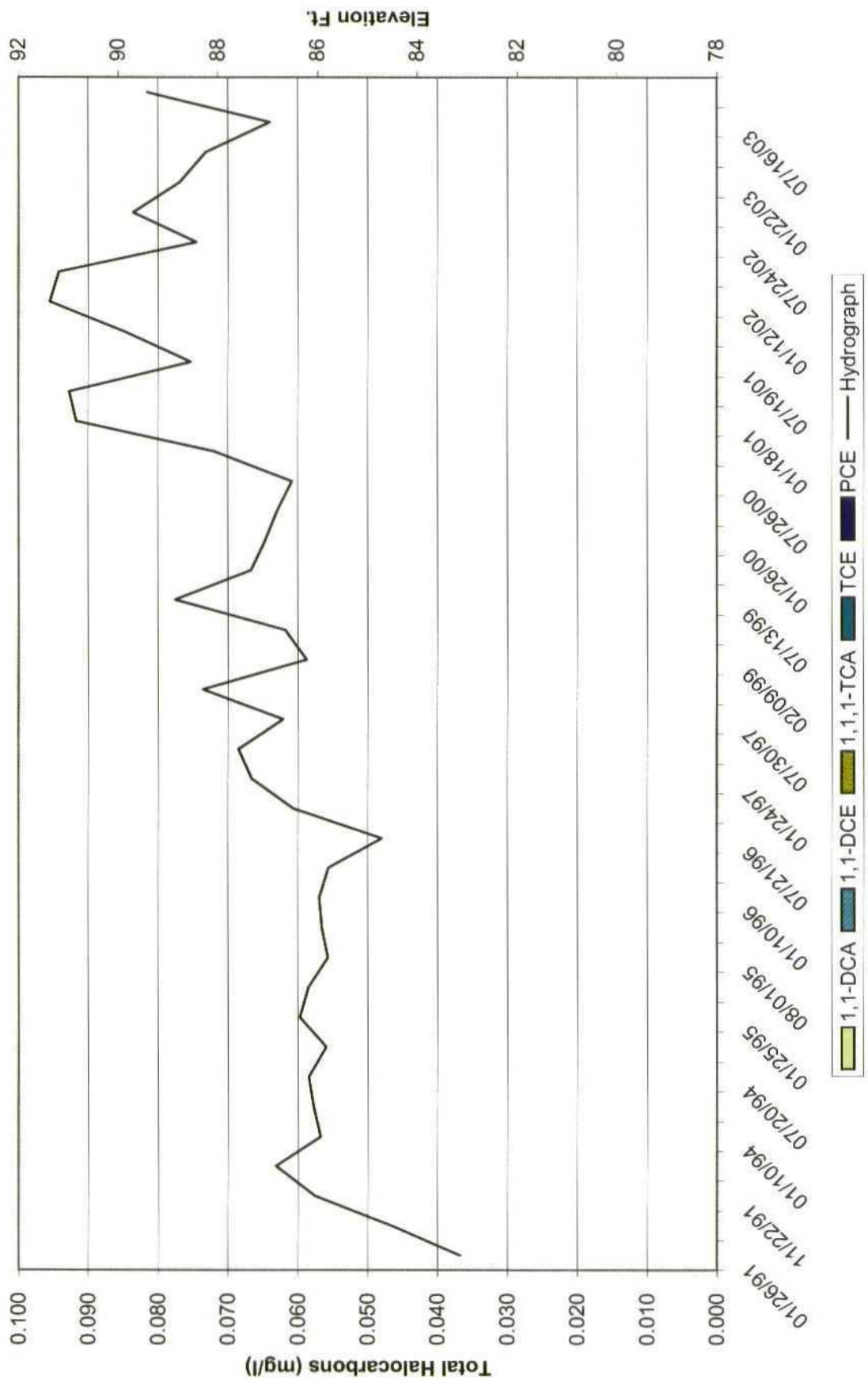
ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

The total number of pages of this report are indicated by the last four digits of the tracking number located in the lower right corner.

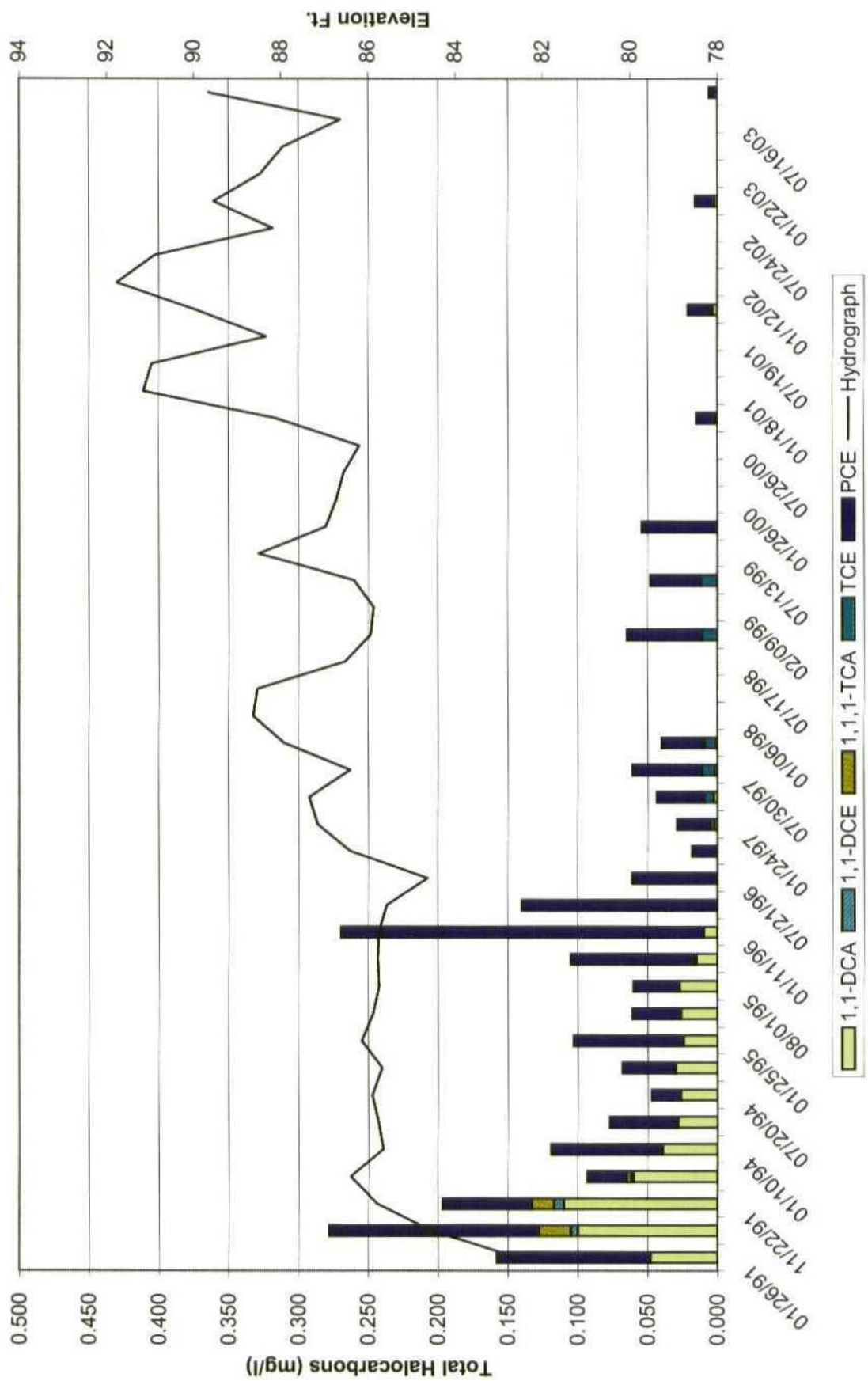
APPENDIX B

Halocarbons Vs. Water Levels

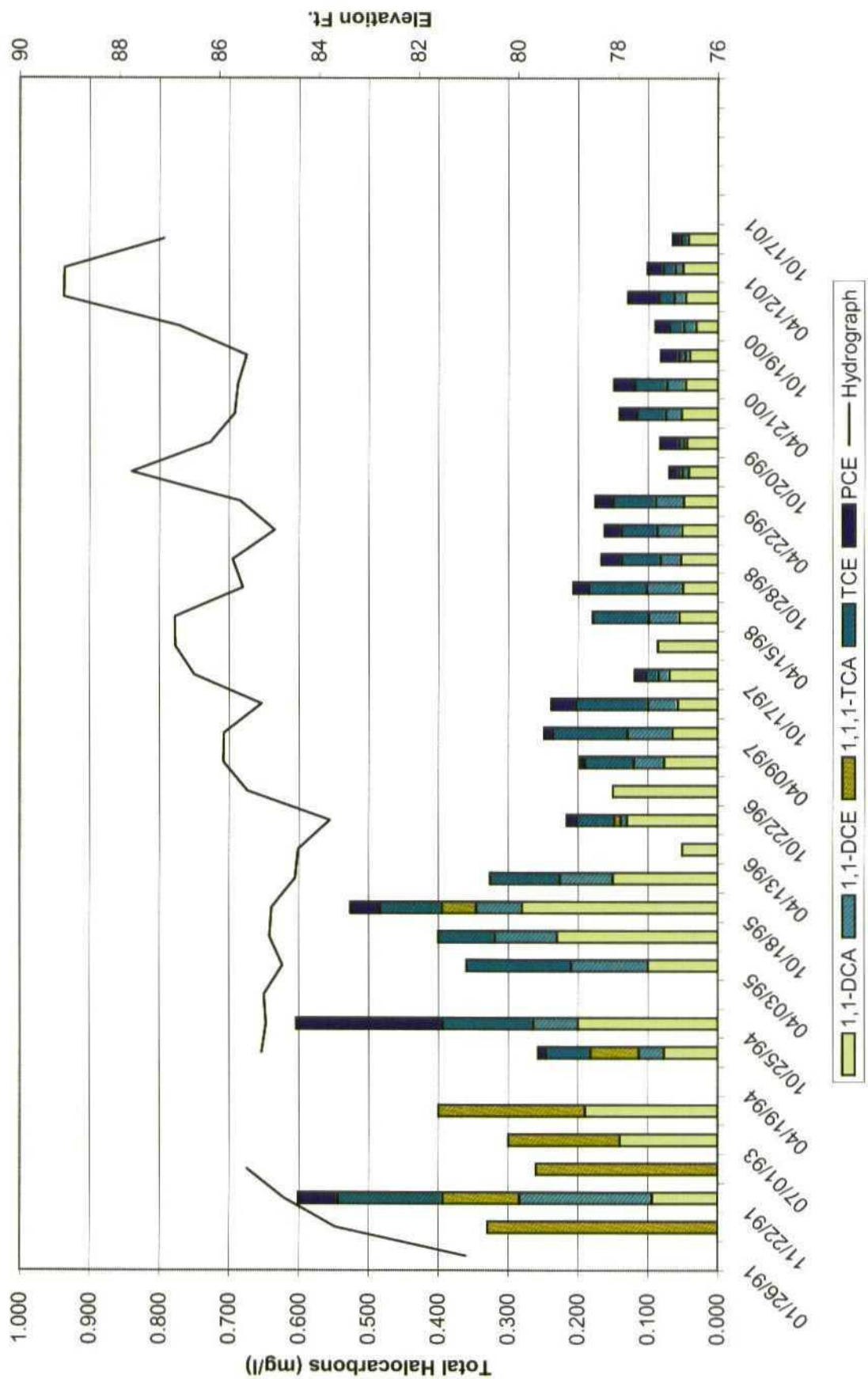
Monitoring Well MW-1



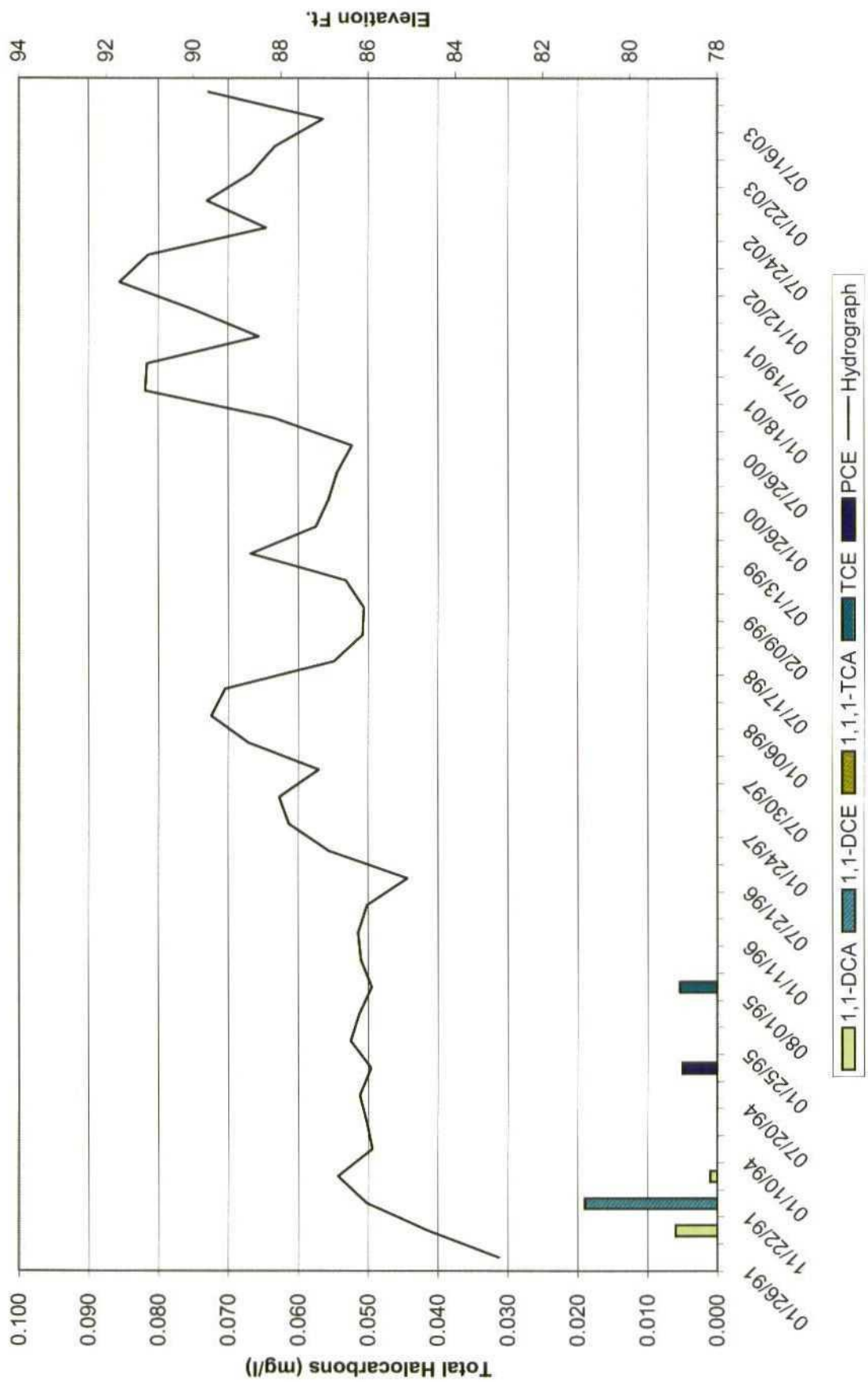
Monitoring Well MW-2



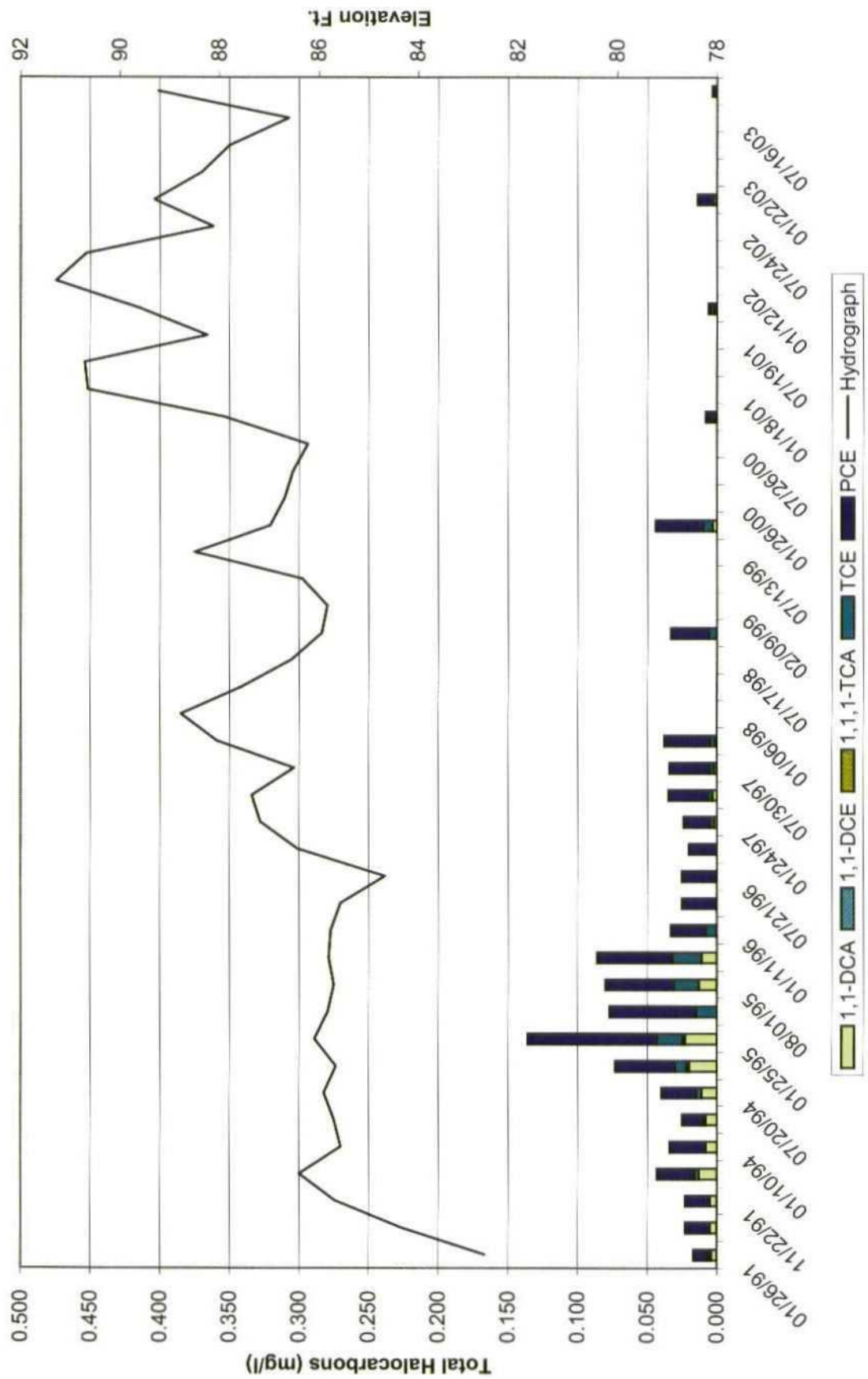
Monitoring Well MW-3



Monitoring Well MW-4

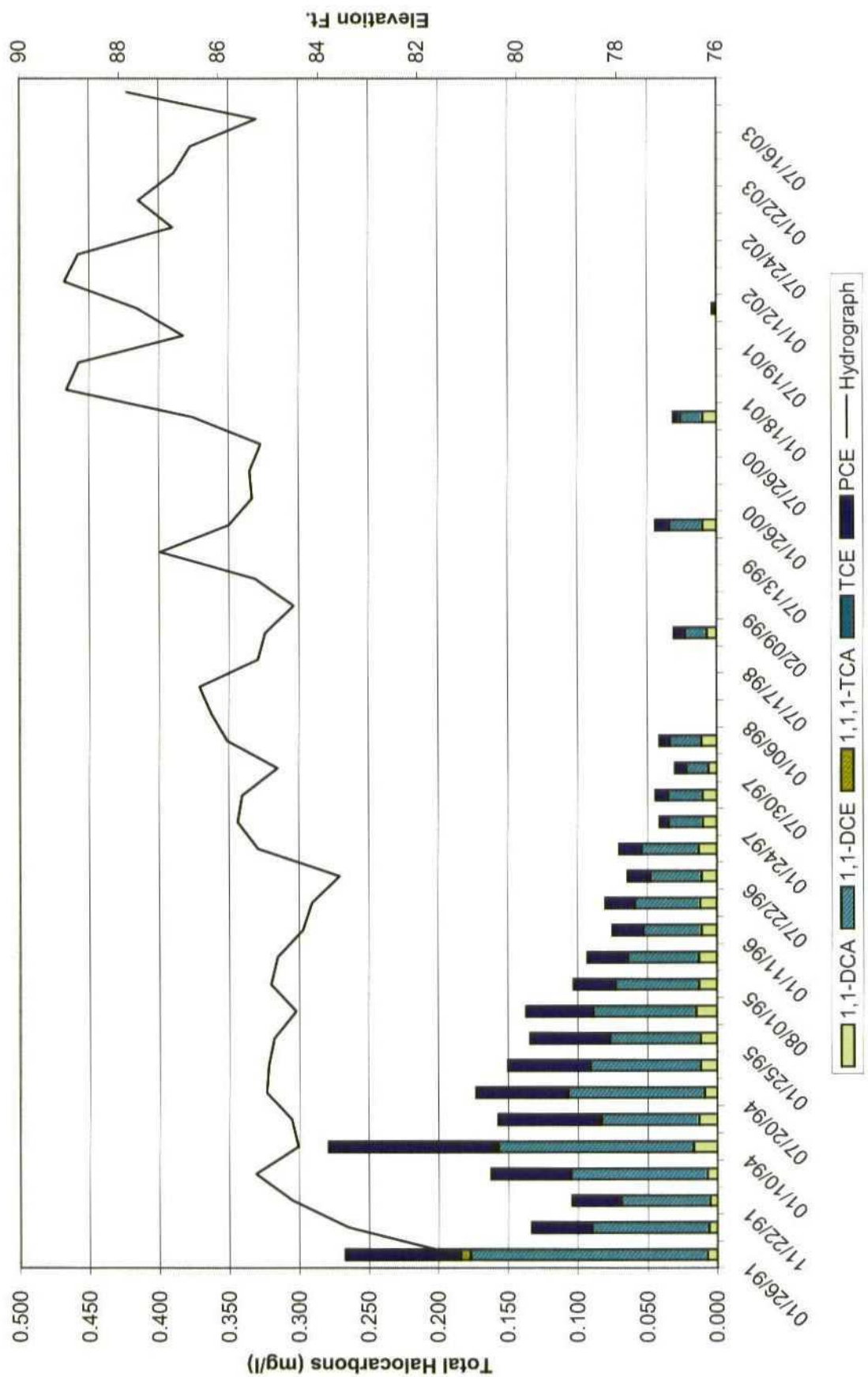


Monitoring Well MW-5

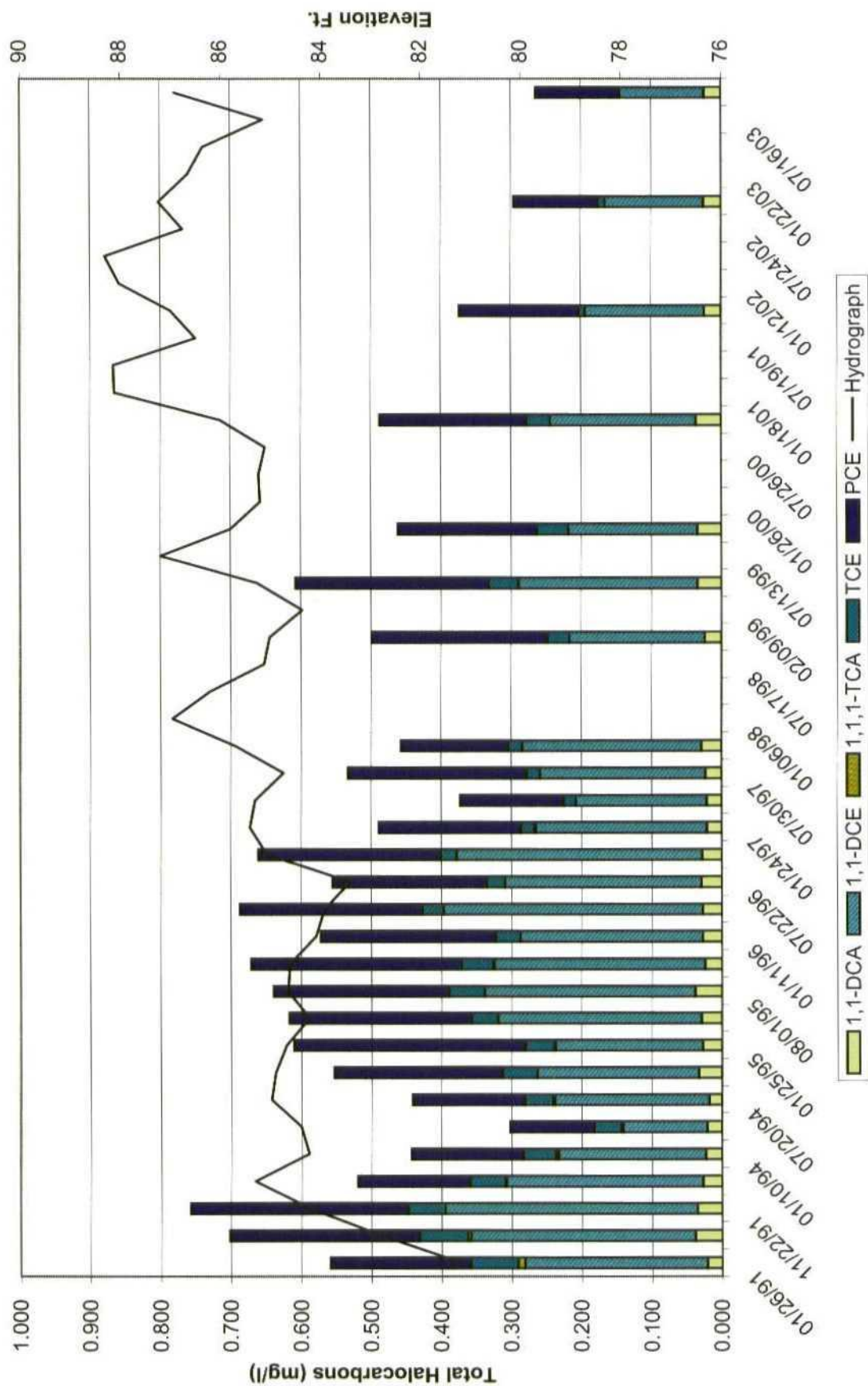


The chart displays the concentration of total halocarbons (mg/l) and the elevation (Ft.) over time. The halocarbon concentrations are shown as stacked bars, with the following components: 1,1-DCA (yellow), 1,1-DCE (green), 1,1,1-TCA (blue), and PCE (dark blue). The elevation is shown as a line graph. The x-axis represents time, with dates ranging from 01/26/91 to 07/16/03. The y-axis for halocarbons ranges from 0.000 to 0.500 mg/l, and the y-axis for elevation ranges from 76 to 90 Ft.

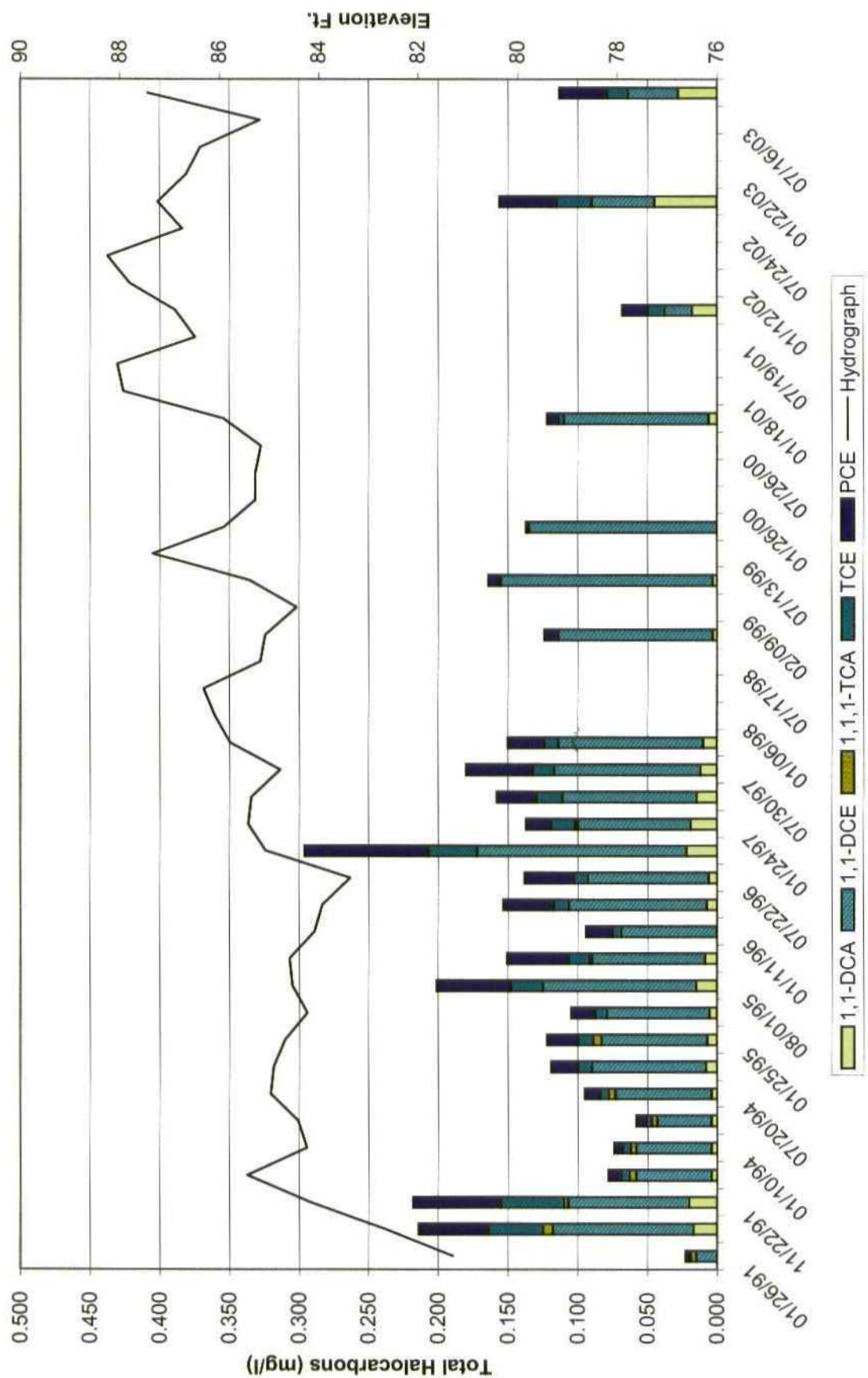
Date	1,1-DCA (mg/l)	1,1-DCE (mg/l)	1,1,1-TCA (mg/l)	PCE (mg/l)	Elevation (Ft.)
01/26/91	0.005	0.005	0.005	0.005	80.5
11/22/91	0.005	0.005	0.005	0.005	80.5
01/10/94	0.005	0.005	0.005	0.005	80.5
07/20/94	0.005	0.005	0.005	0.005	80.5
01/25/95	0.005	0.005	0.005	0.005	80.5
08/01/95	0.005	0.005	0.005	0.005	80.5
01/11/96	0.005	0.005	0.005	0.005	80.5
07/22/96	0.005	0.005	0.005	0.005	80.5
01/24/97	0.005	0.005	0.005	0.005	80.5
07/30/97	0.005	0.005	0.005	0.005	80.5
01/06/98	0.005	0.005	0.005	0.005	80.5
07/17/98	0.005	0.005	0.005	0.005	80.5
02/09/99	0.005	0.005	0.005	0.005	80.5
07/13/99	0.005	0.005	0.005	0.005	80.5
07/26/00	0.005	0.005	0.005	0.005	80.5
01/18/01	0.005	0.005	0.005	0.005	80.5
07/19/01	0.005	0.005	0.005	0.005	80.5
01/12/02	0.005	0.005	0.005	0.005	80.5
07/24/02	0.005	0.005	0.005	0.005	80.5
01/22/03	0.005	0.005	0.005	0.005	80.5
07/16/03	0.005	0.005	0.005	0.005	80.5



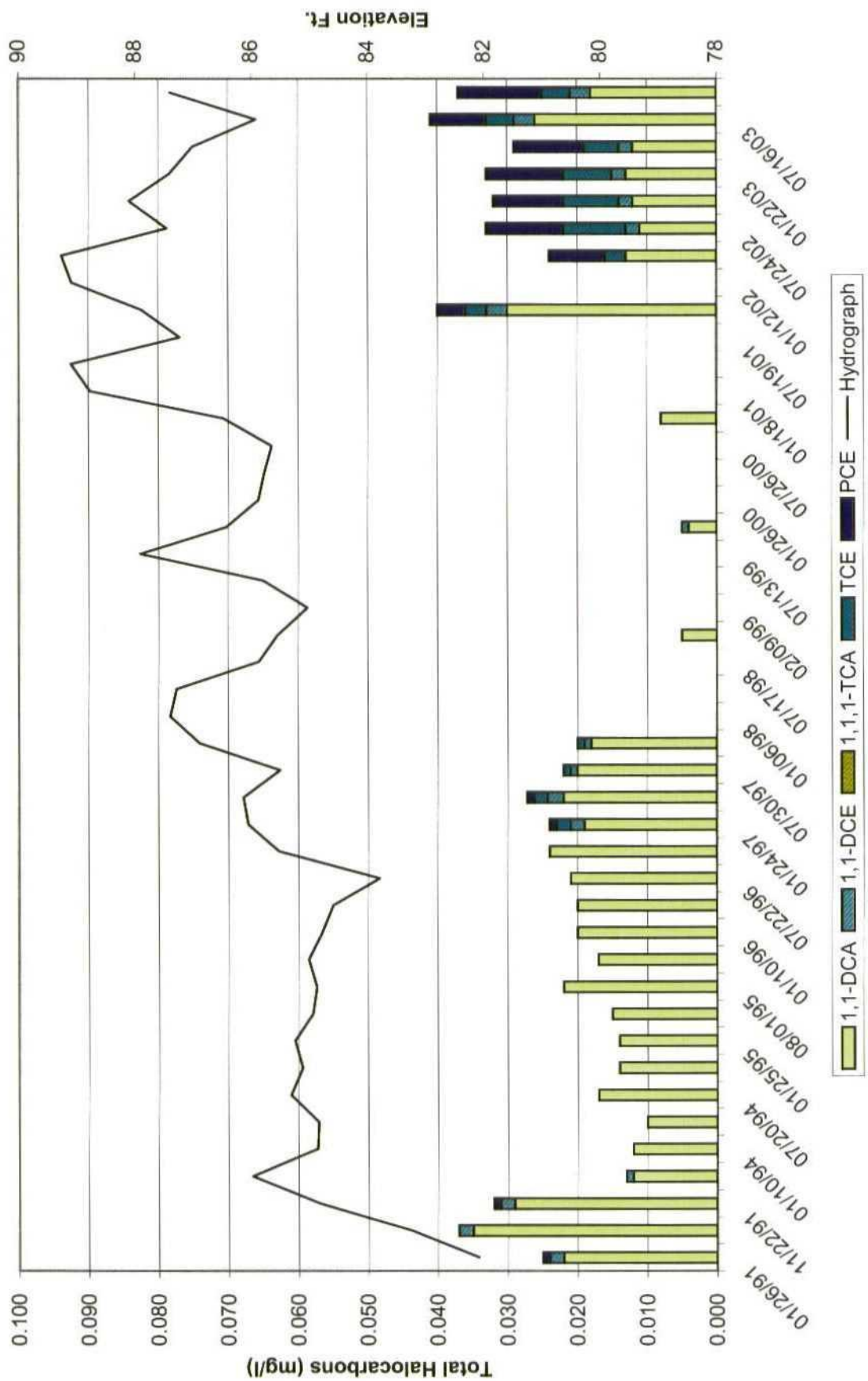
Monitoring Well MW-7



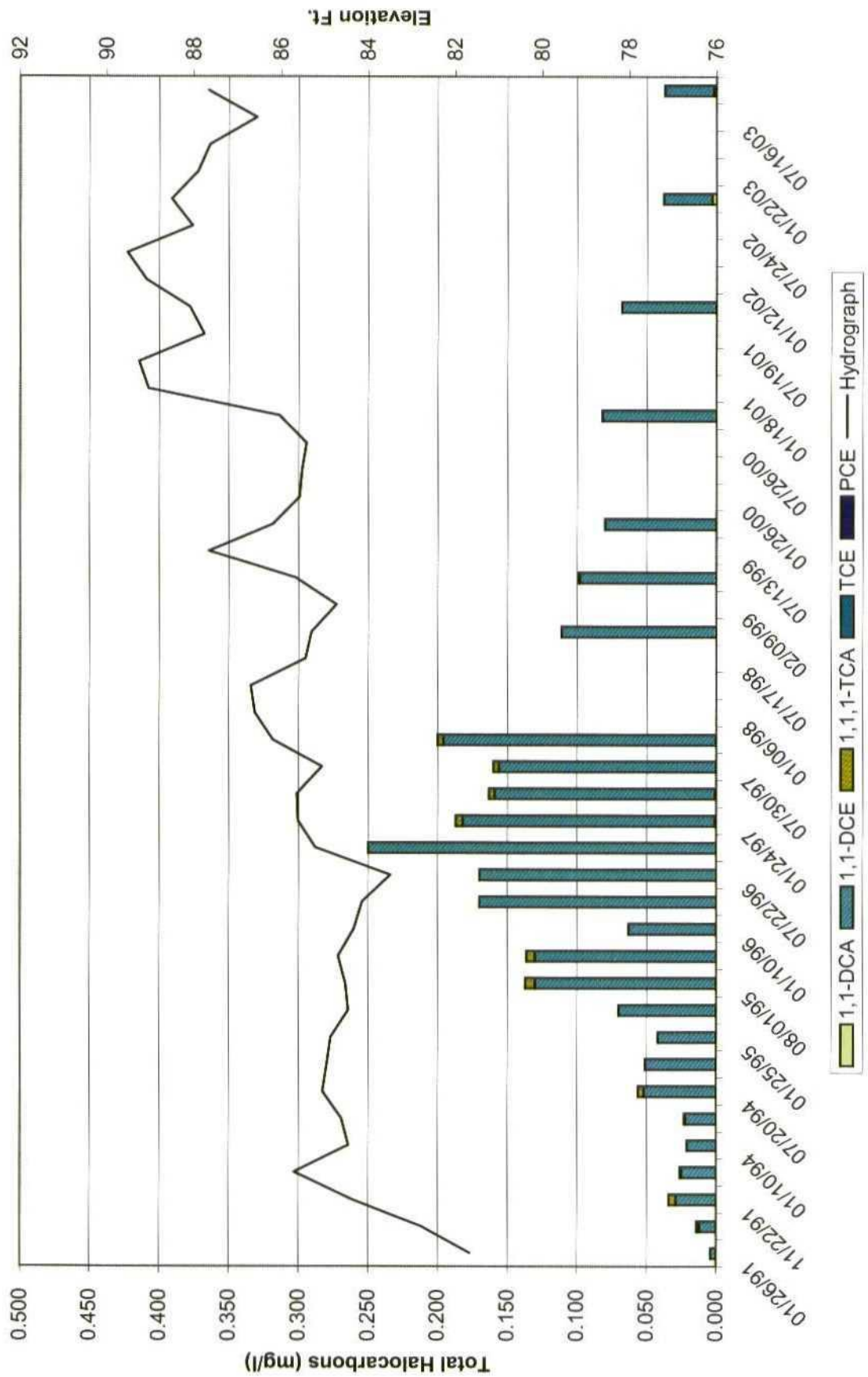
Monitoring Well MW-8



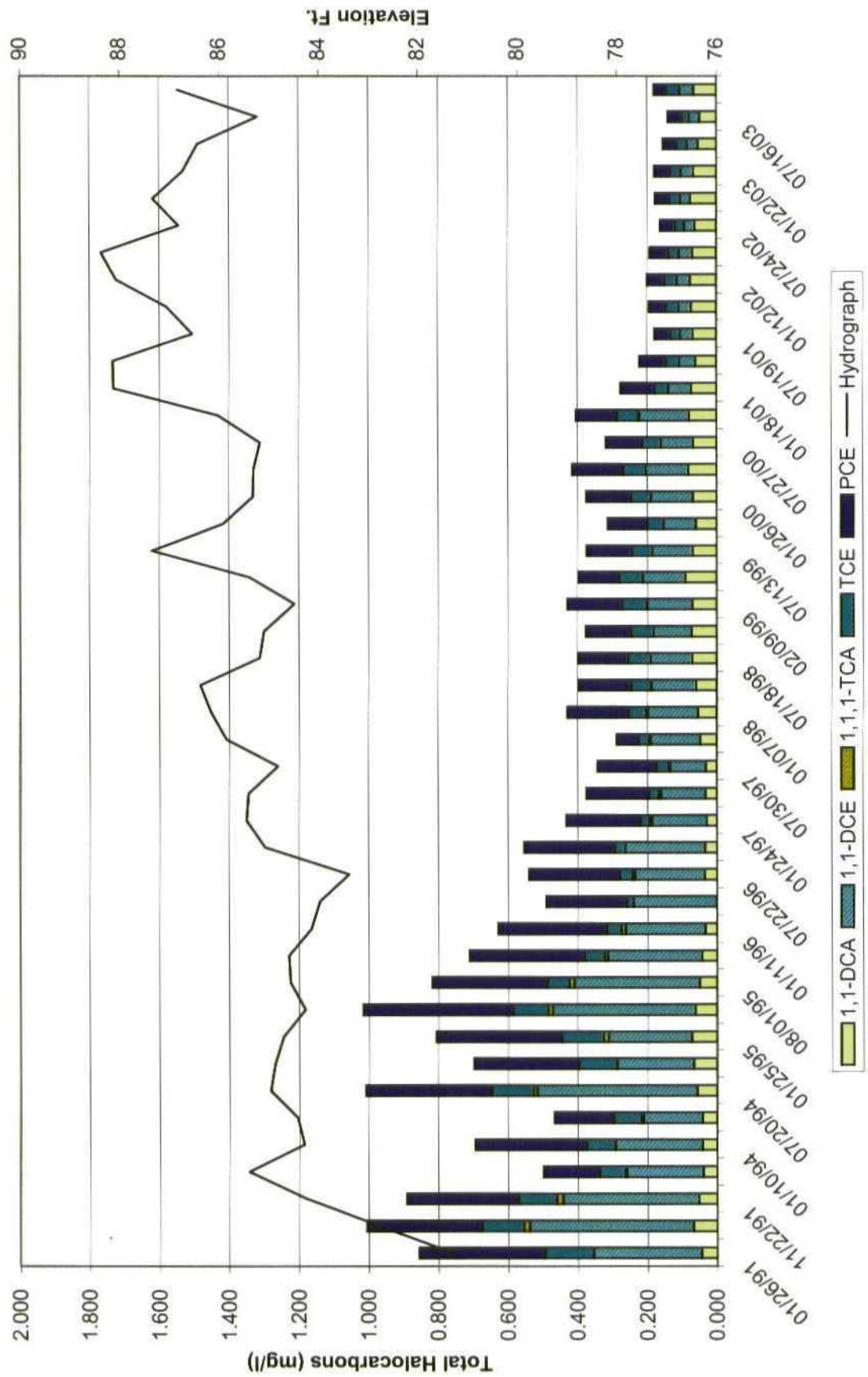
Monitoring Well MW-9



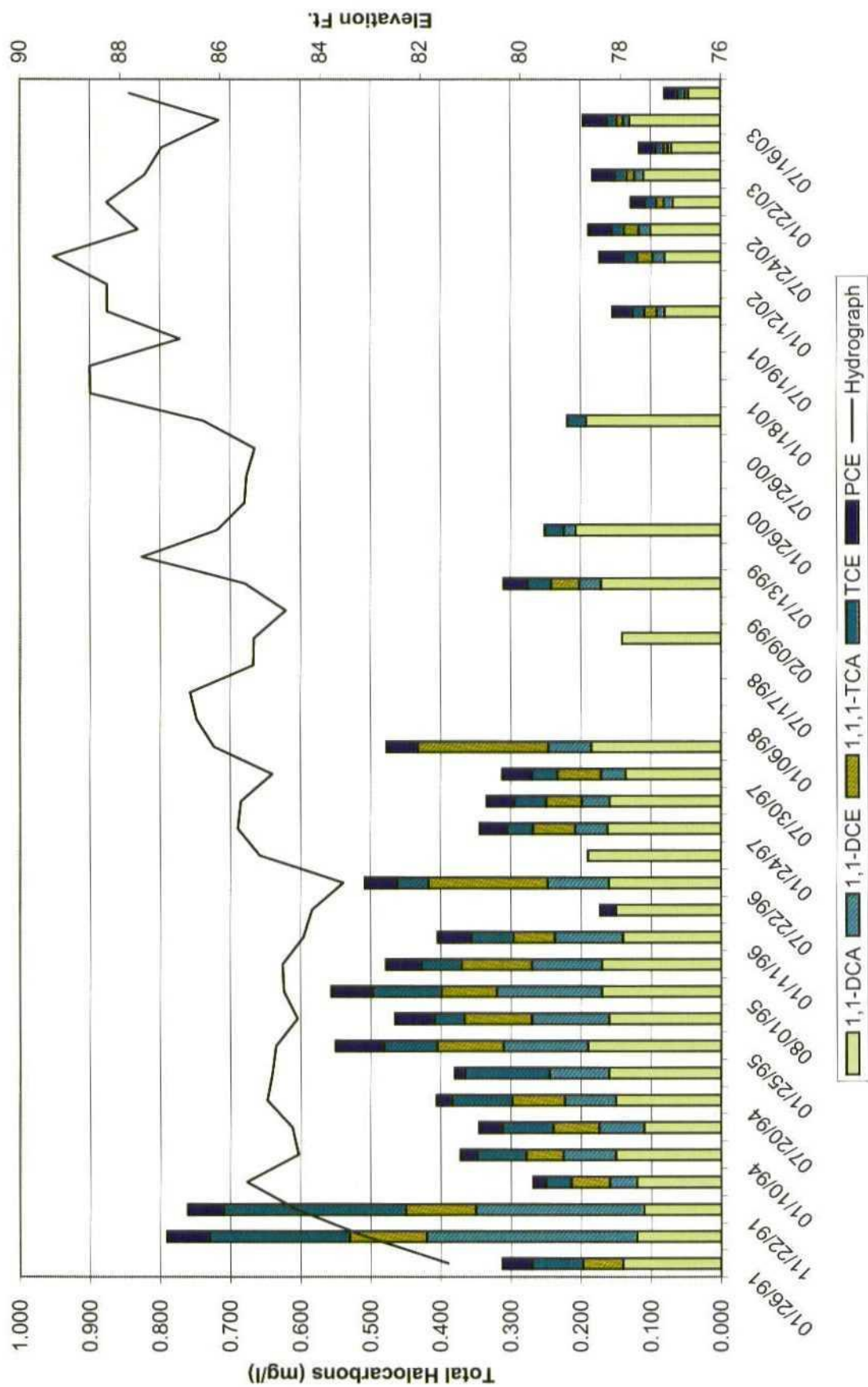
Monitoring Well MW-10



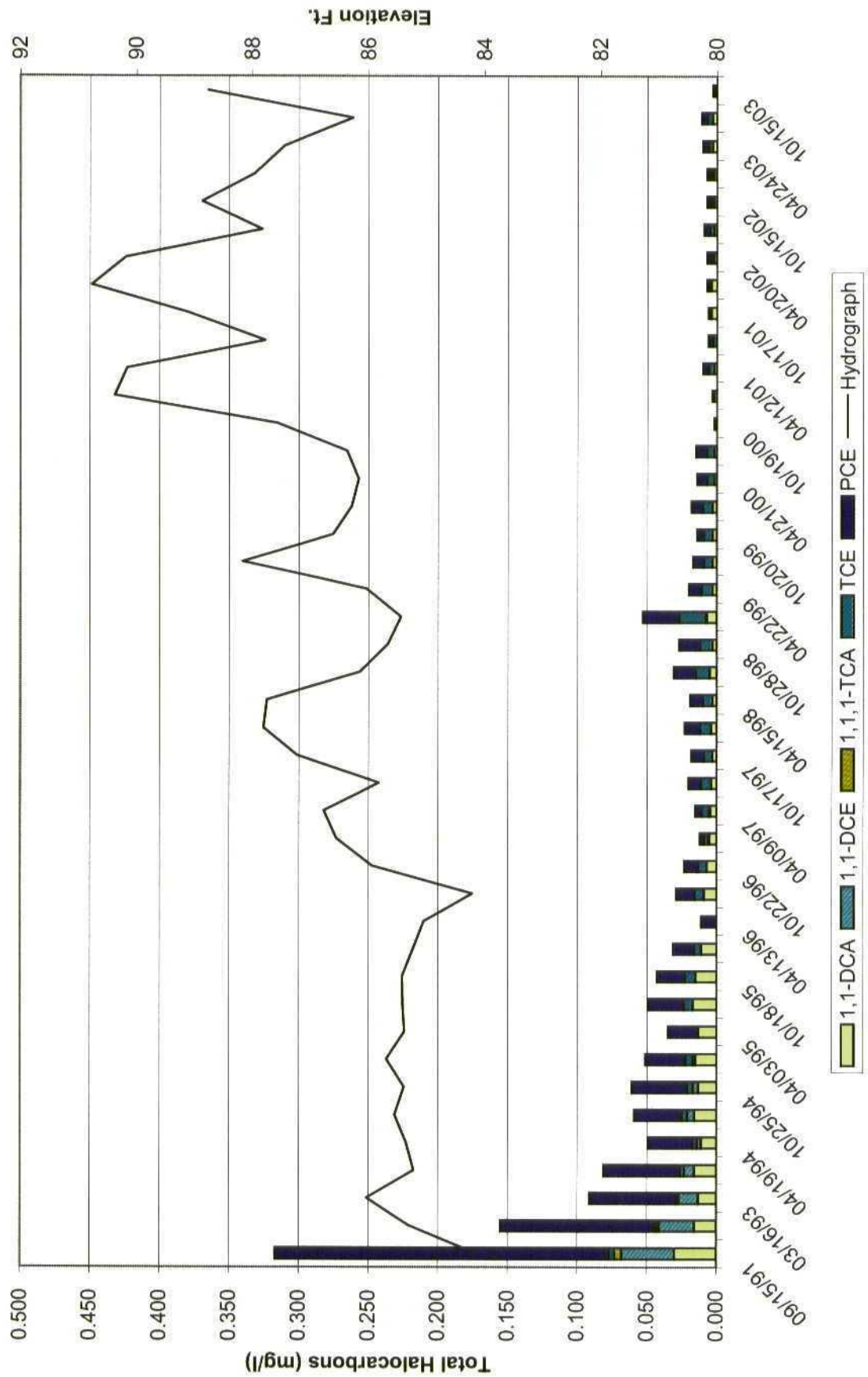
Monitoring Well MW-11



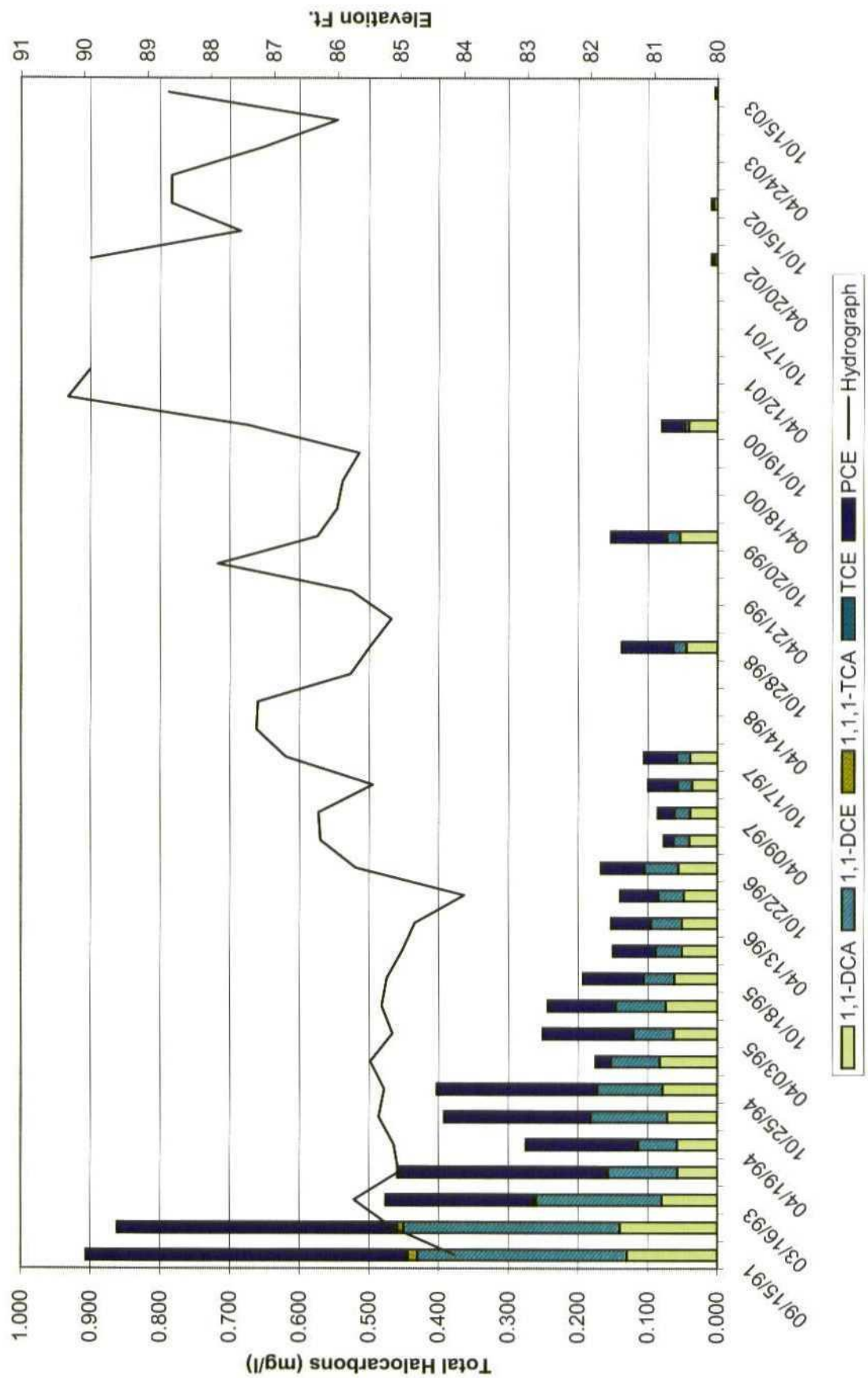
Monitoring Well MW-12



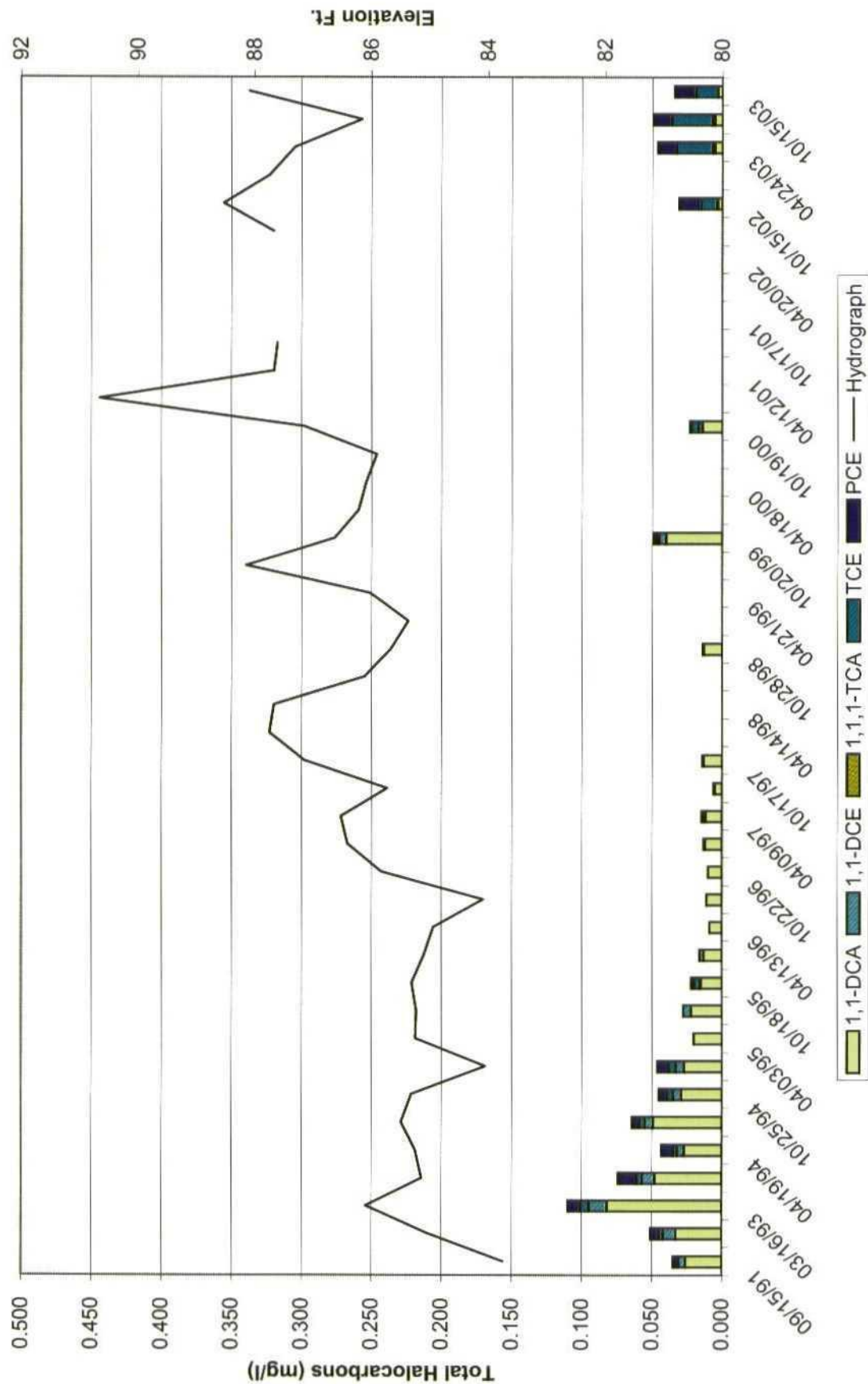
Monitoring Well MW-13



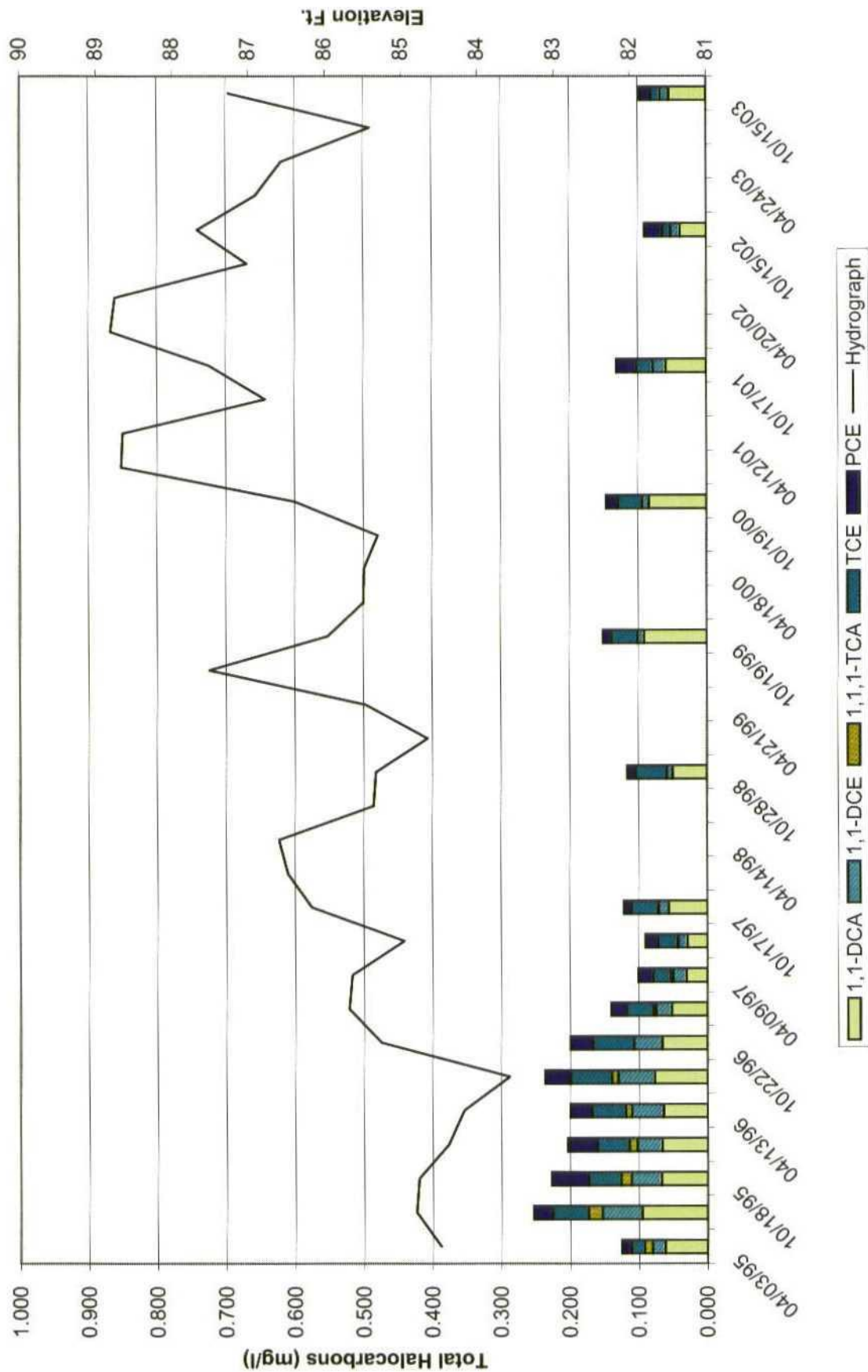
Monitoring Well MW-14



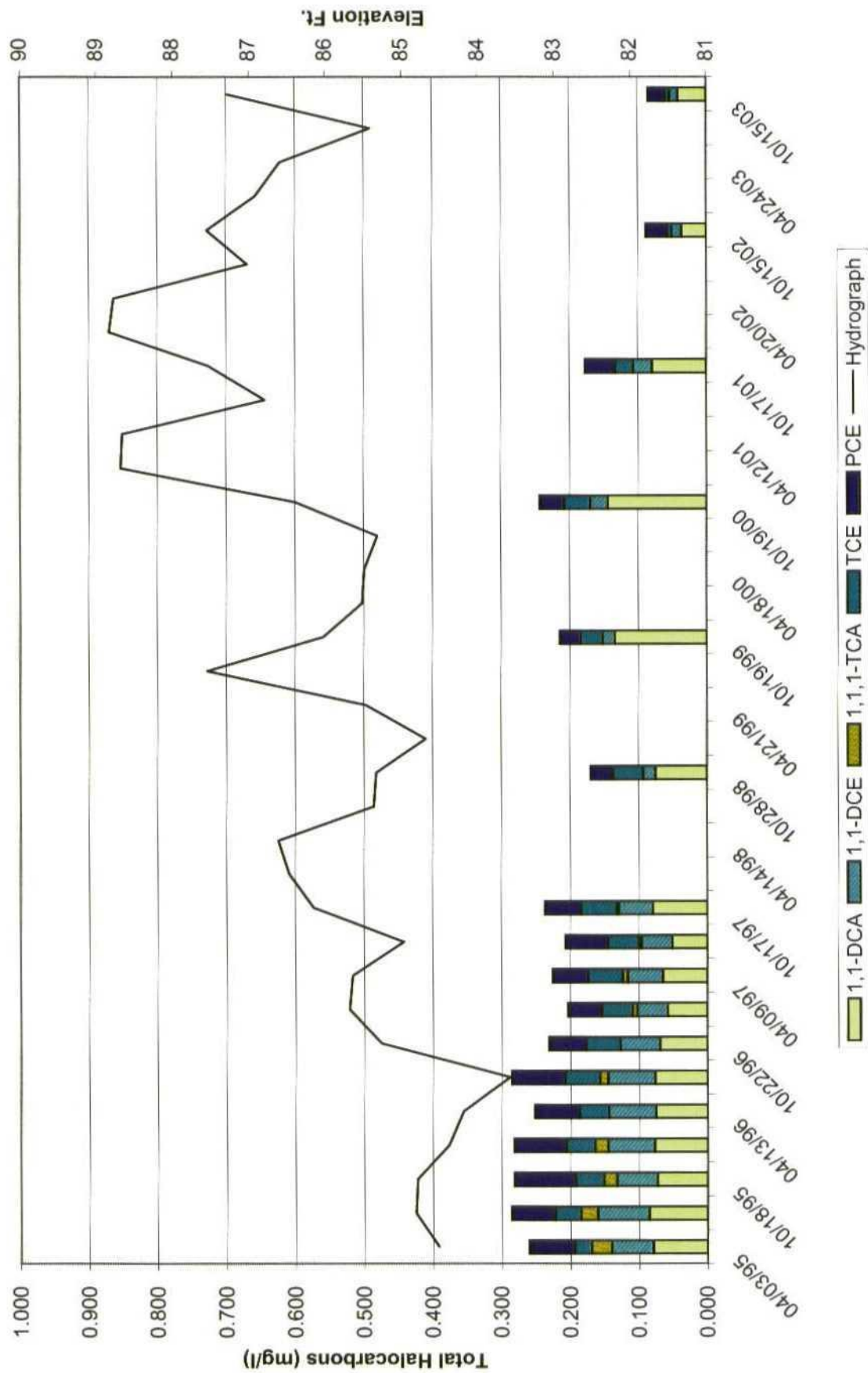
Monitoring Well MW-15



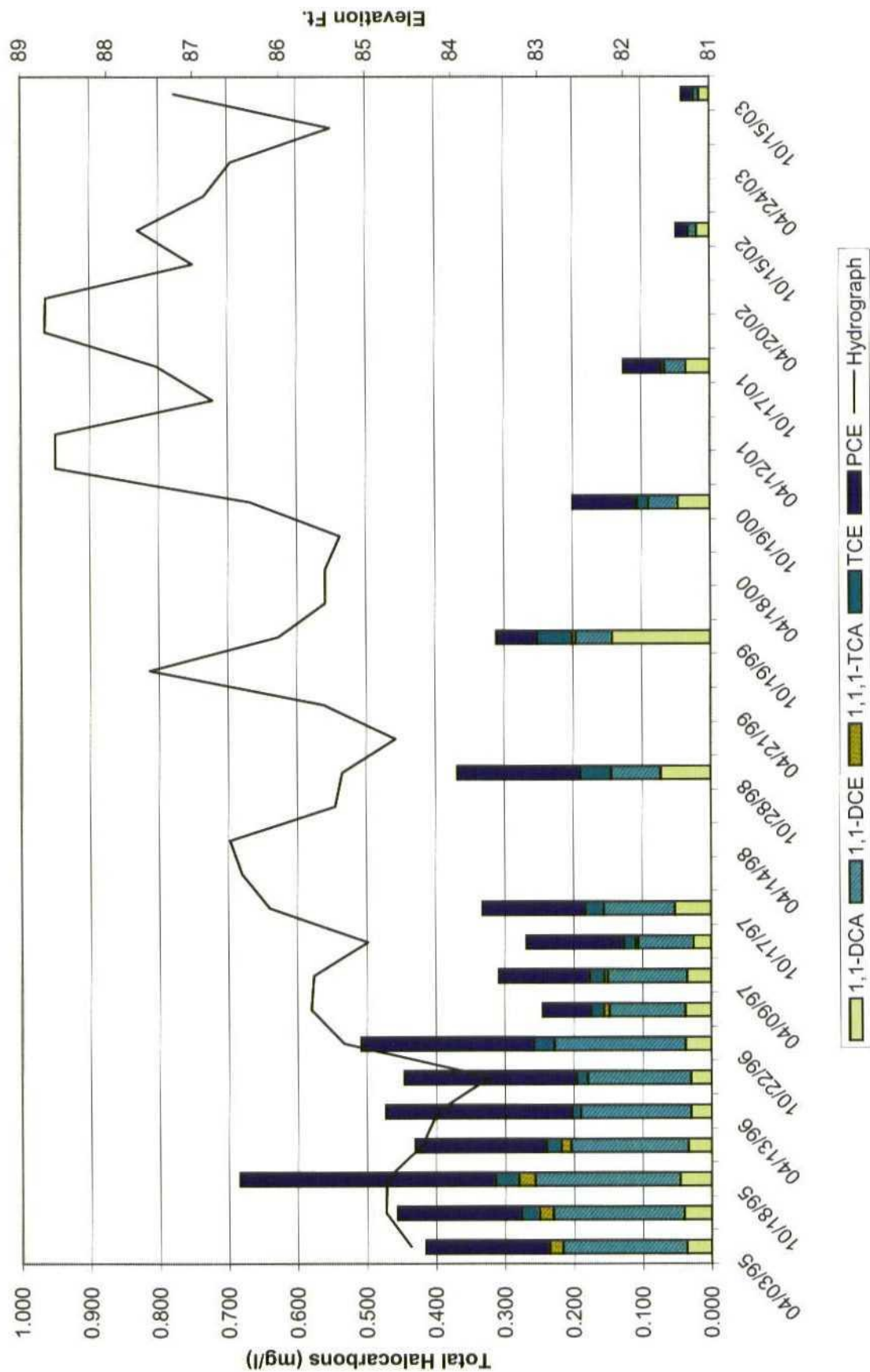
Monitoring Well MW-17D



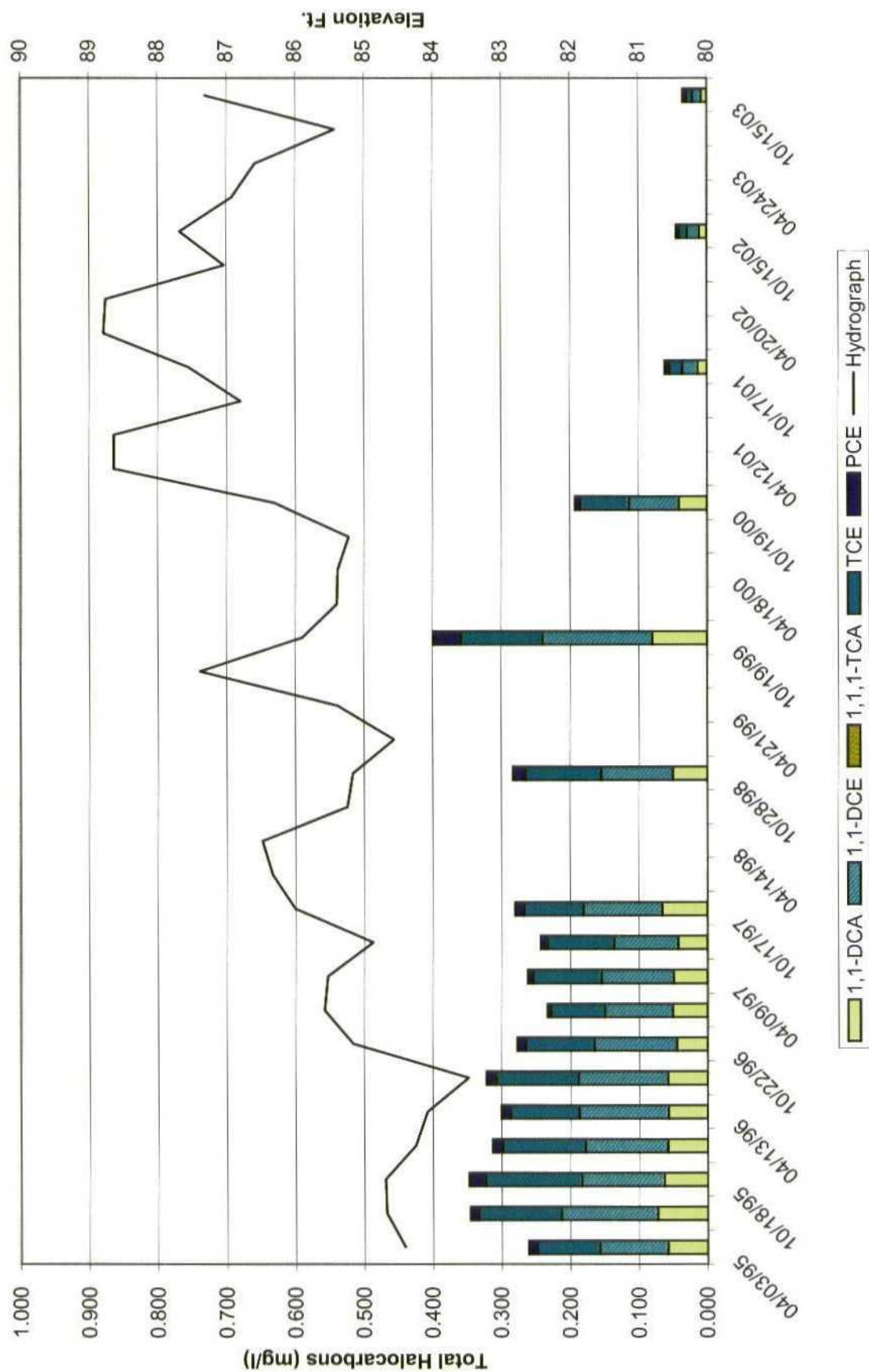
Monitoring Well MW-17A



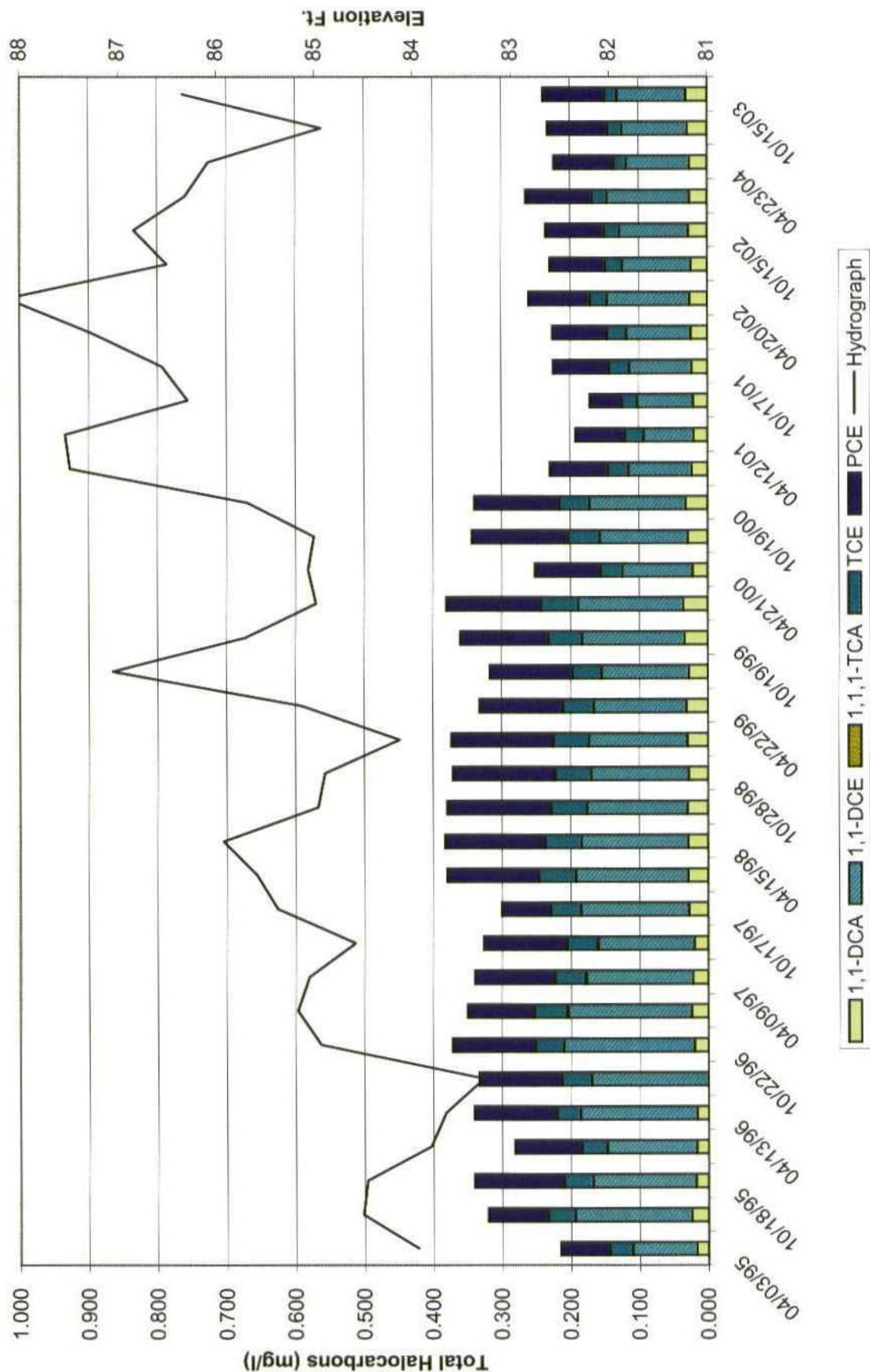
Monitoring Well MW-17B



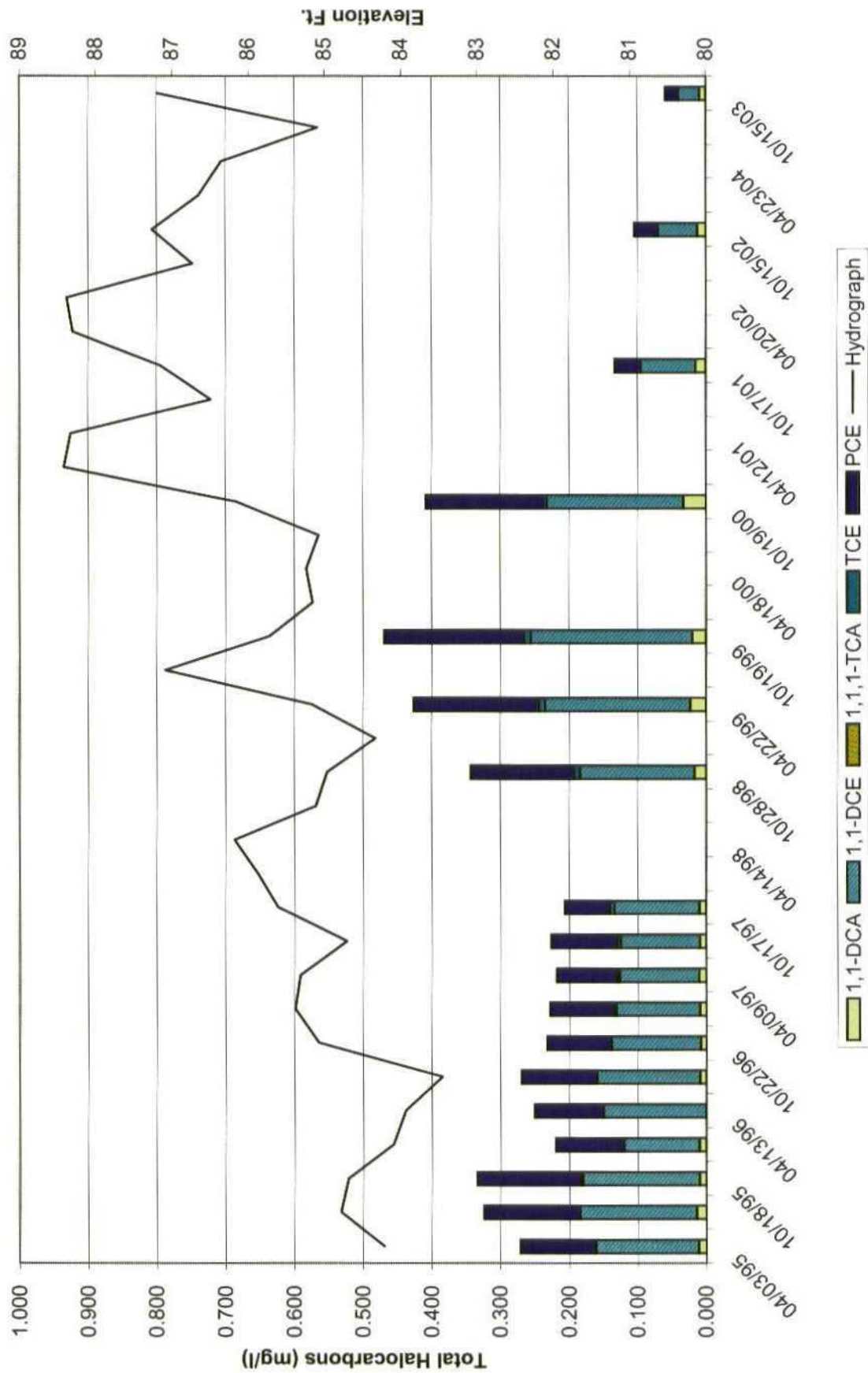
Monitoring Well MW-17C



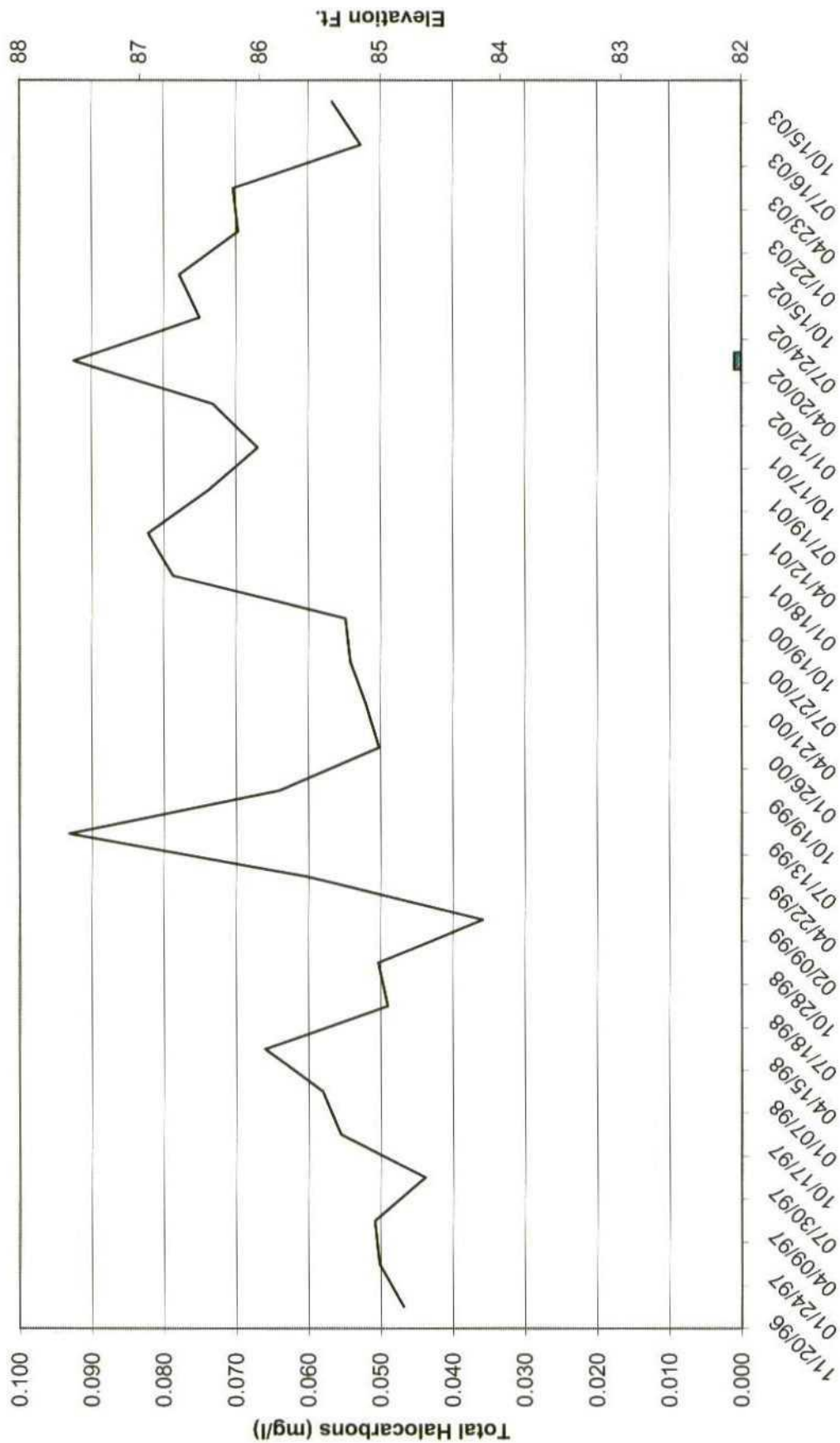
Monitoring Well MW-18



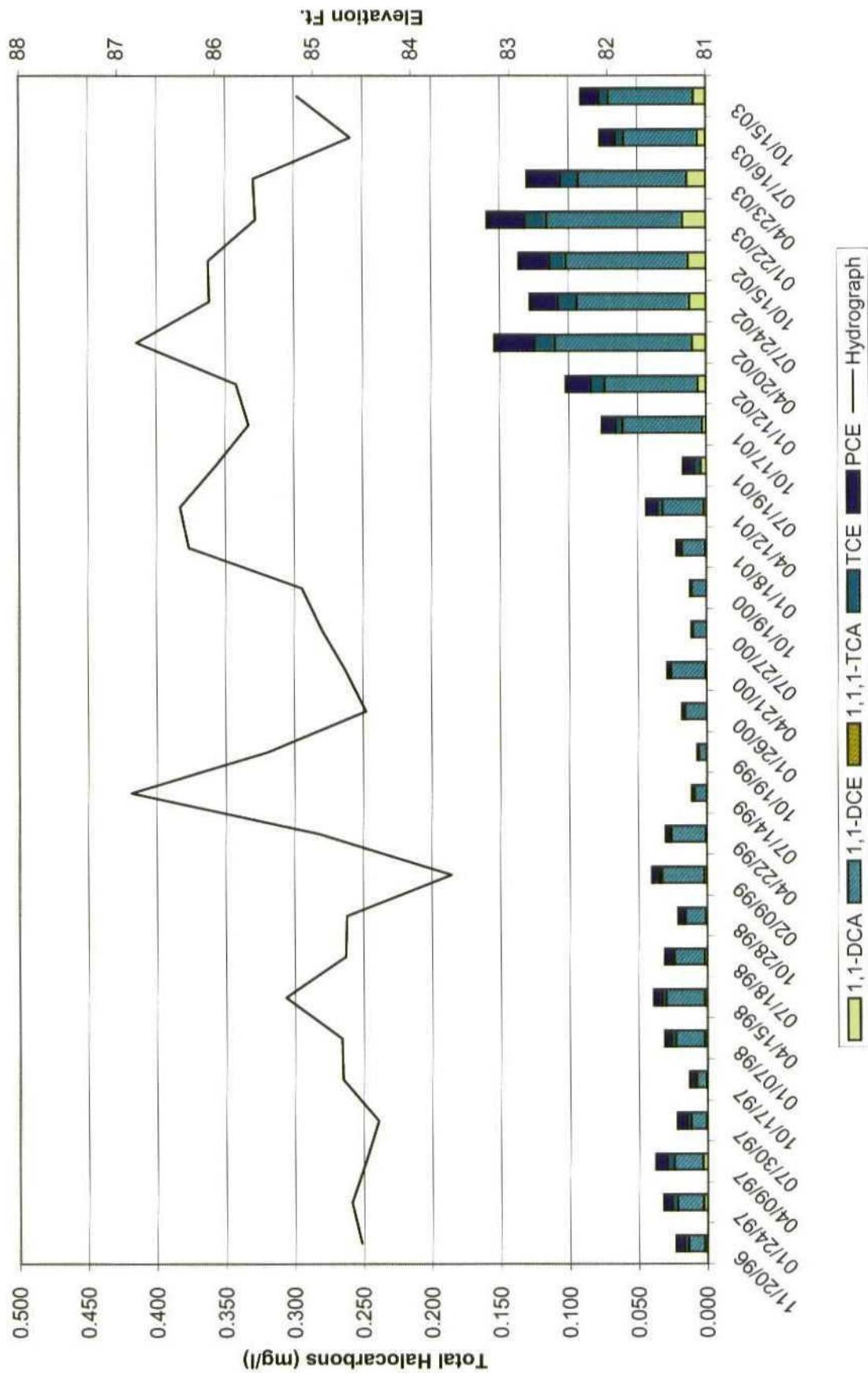
Monitoring Well MW-19



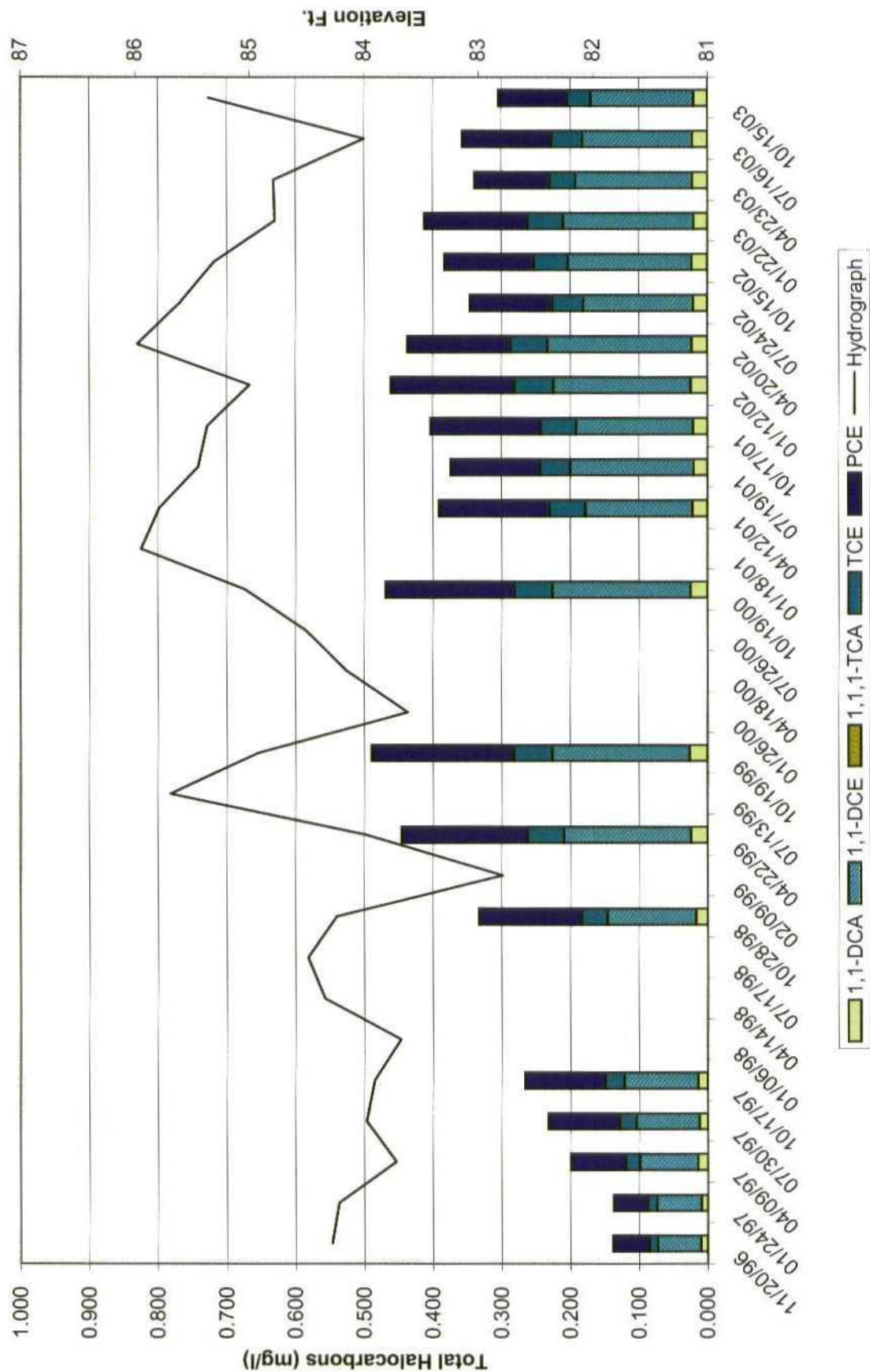
Monitoring Well MW-20



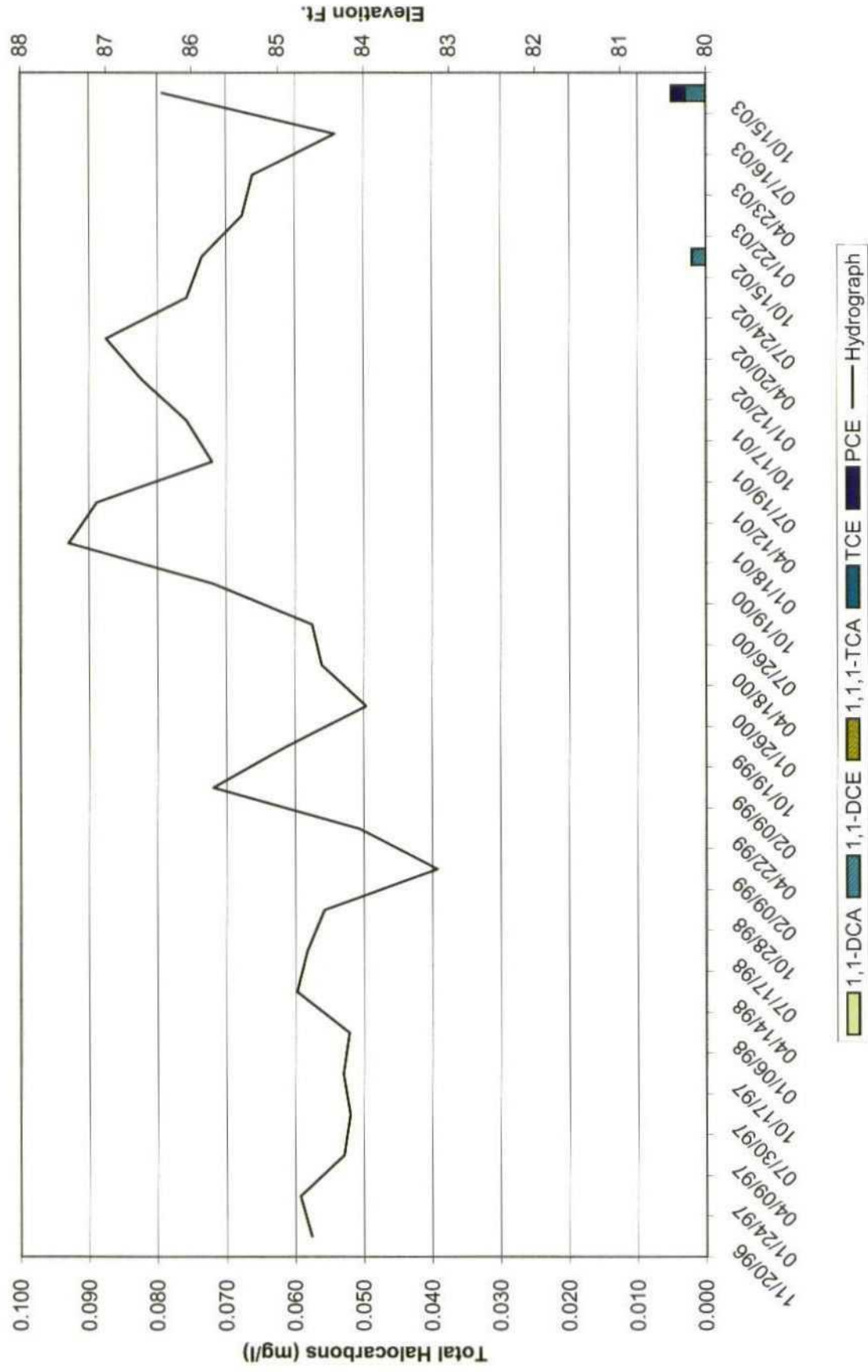
Monitoring Well MW-21



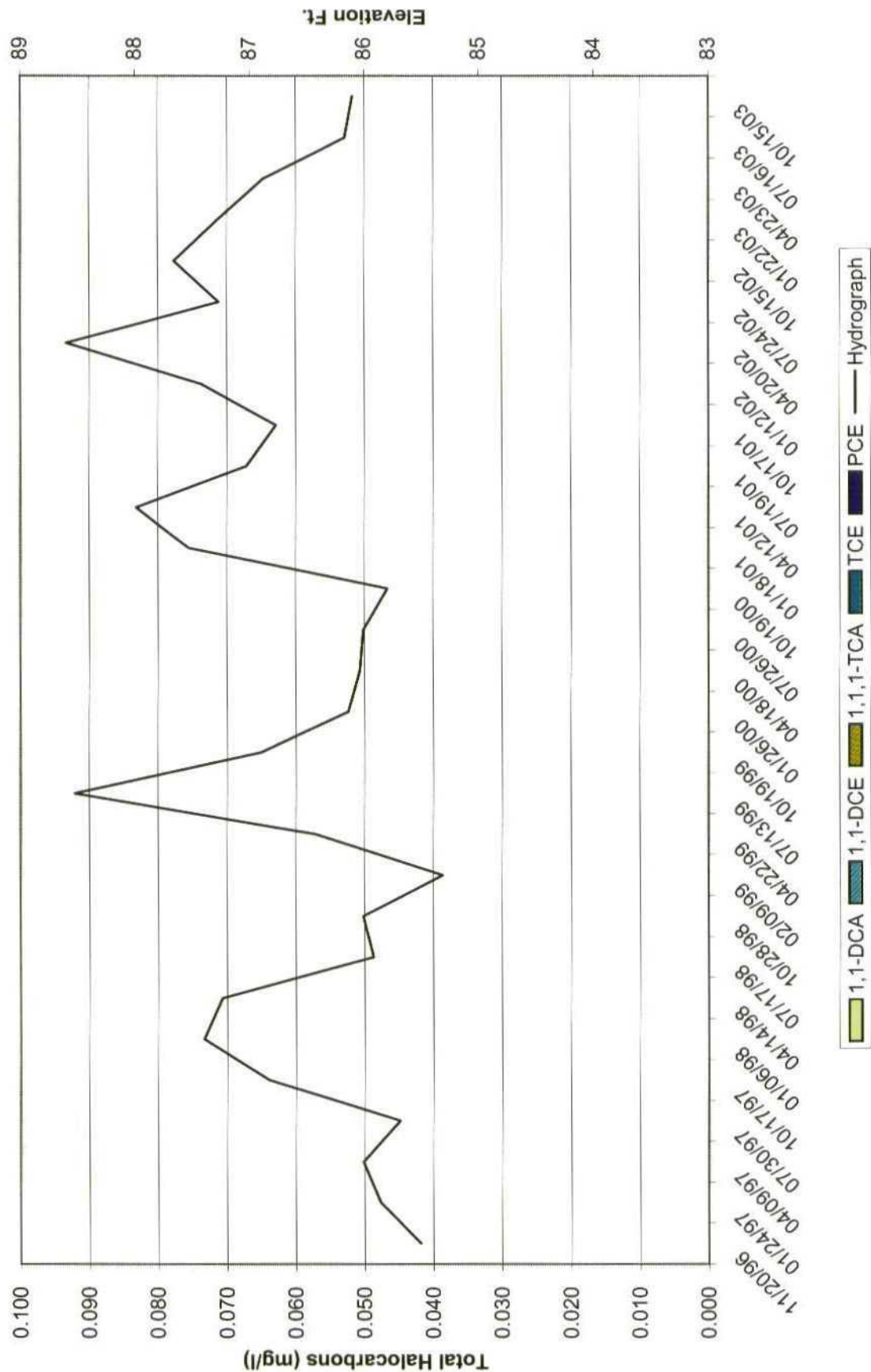
Monitoring Well MW-22



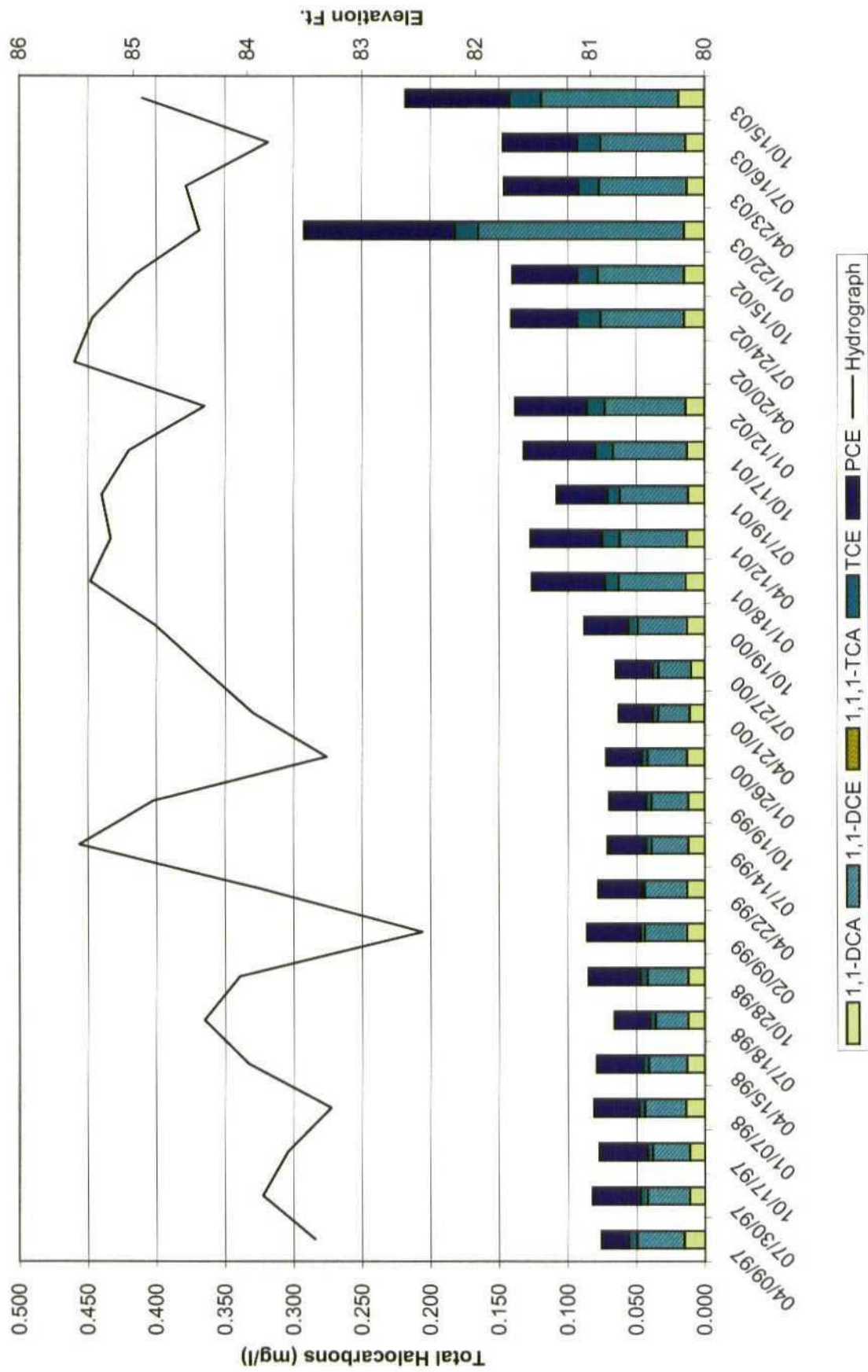
Monitoring Well MW-23



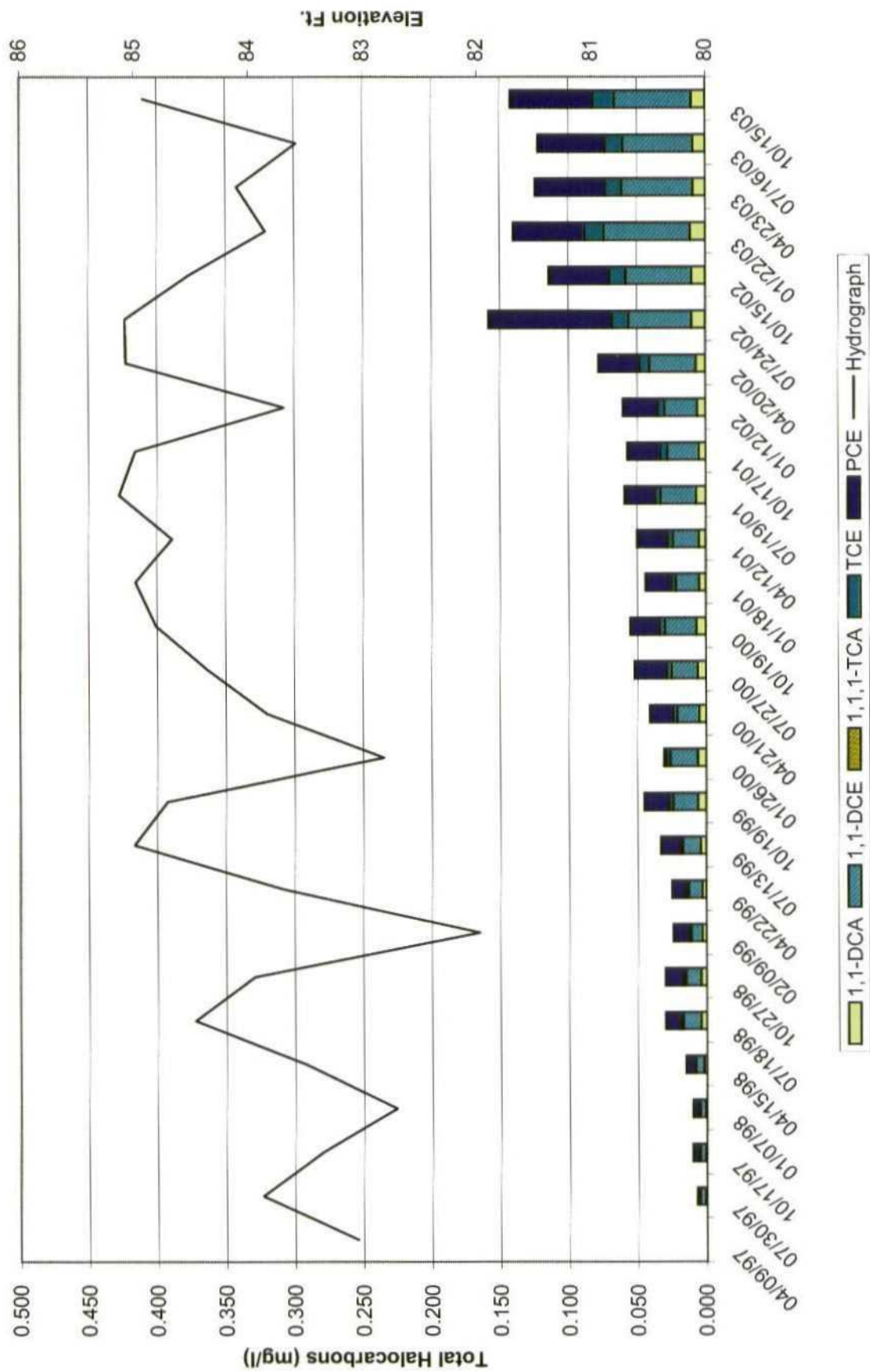
Monitoring Well MW-24



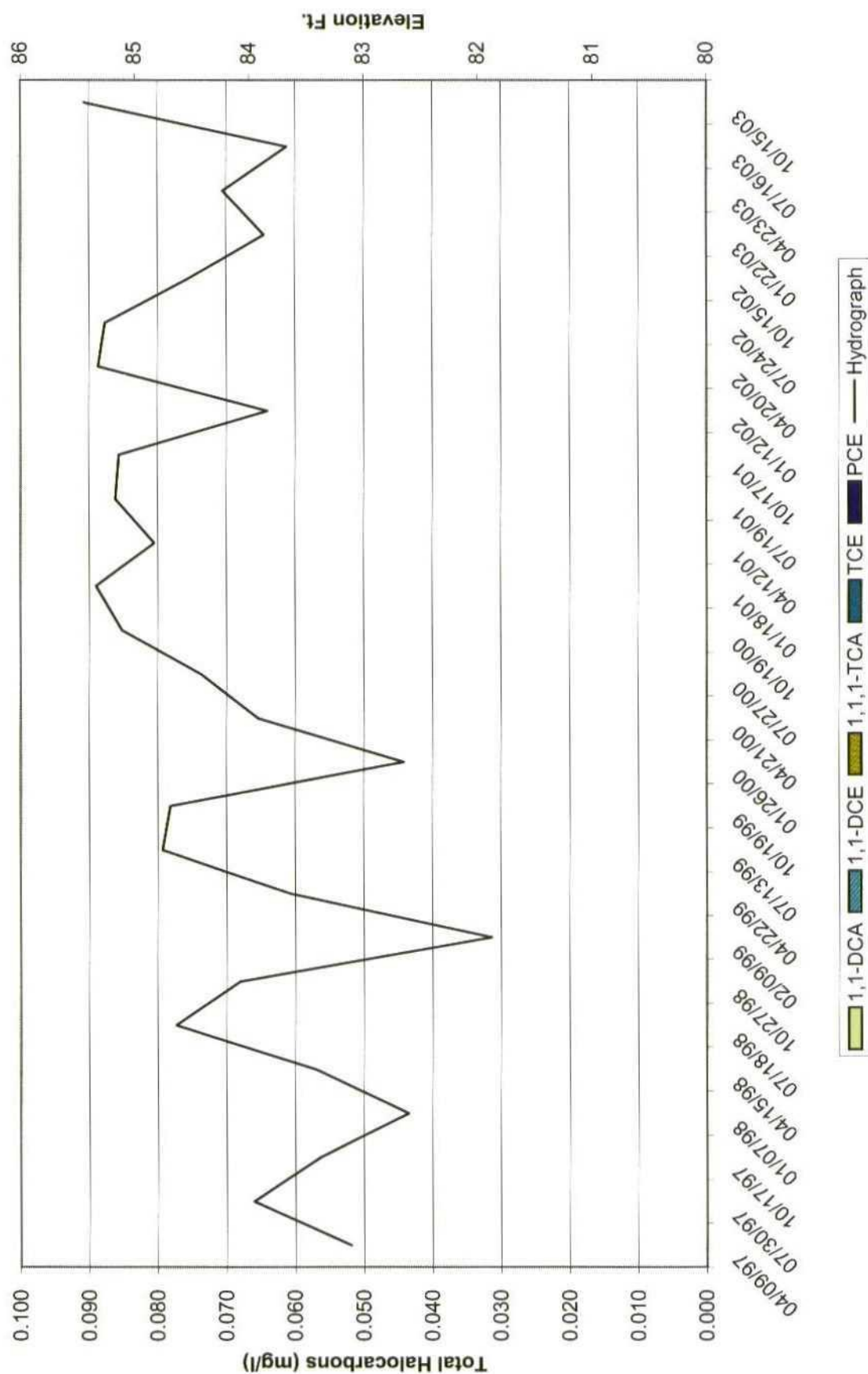
Monitoring Well MW-25



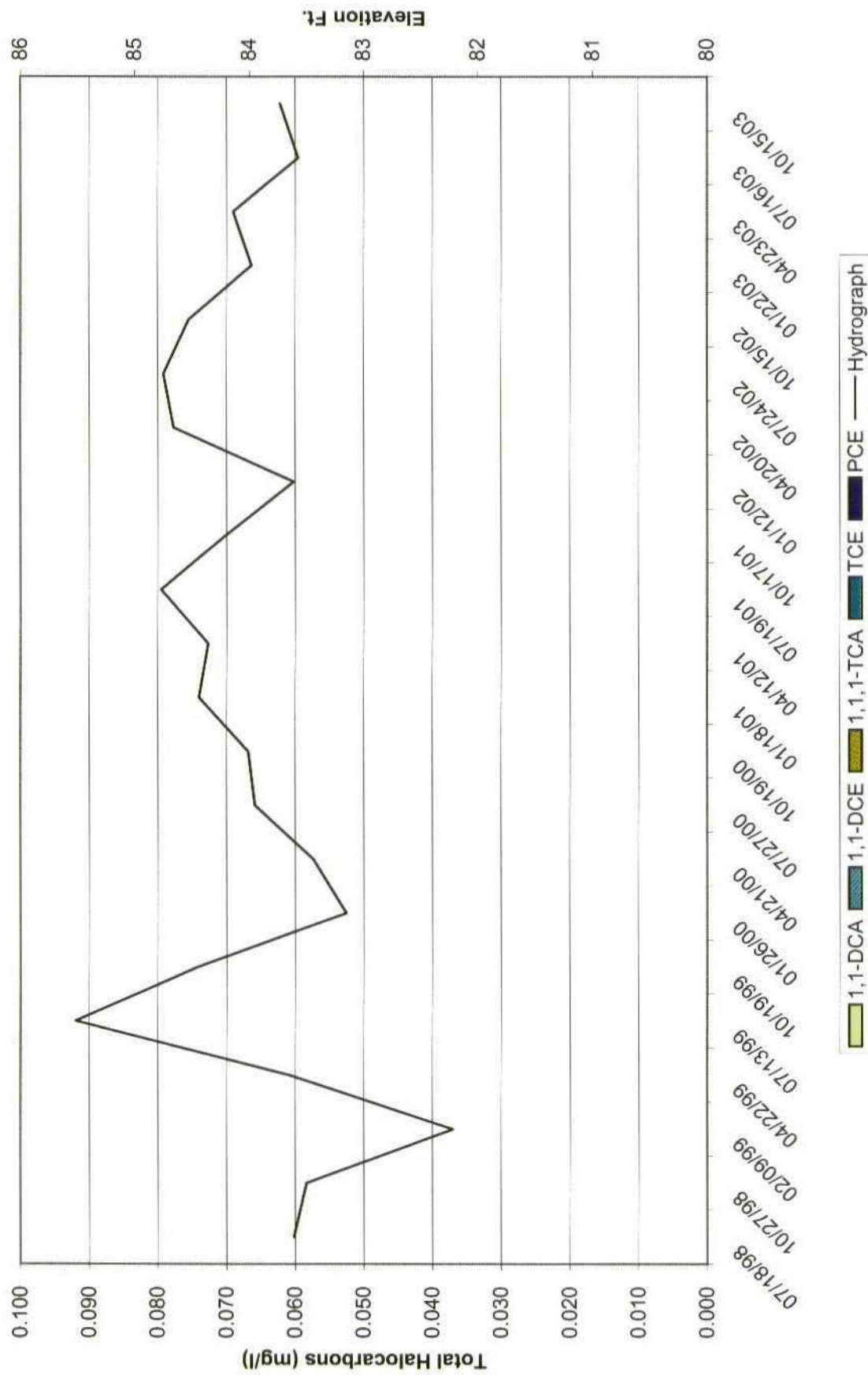
Monitoring Well MW-26



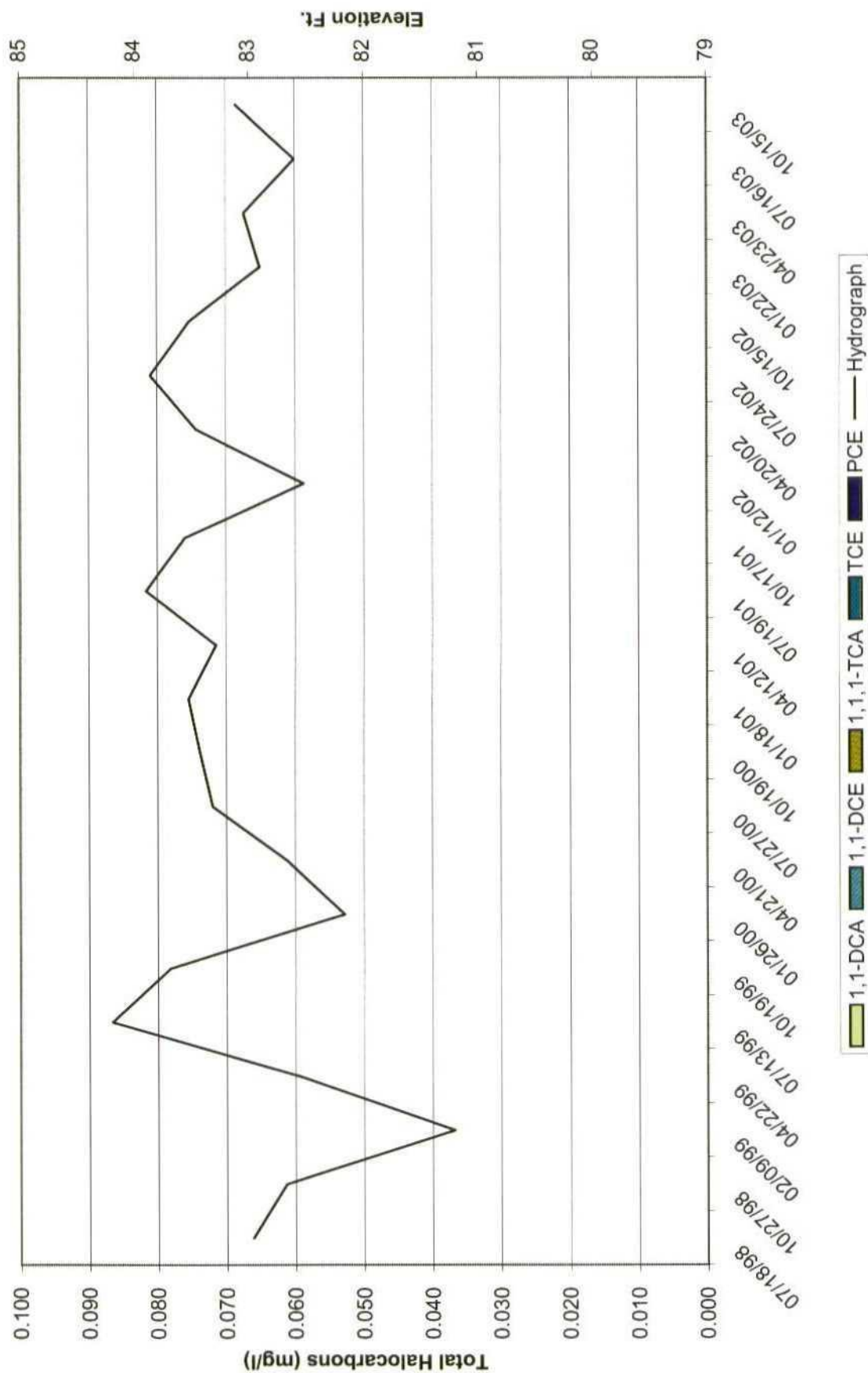
Monitoring Well MW-27



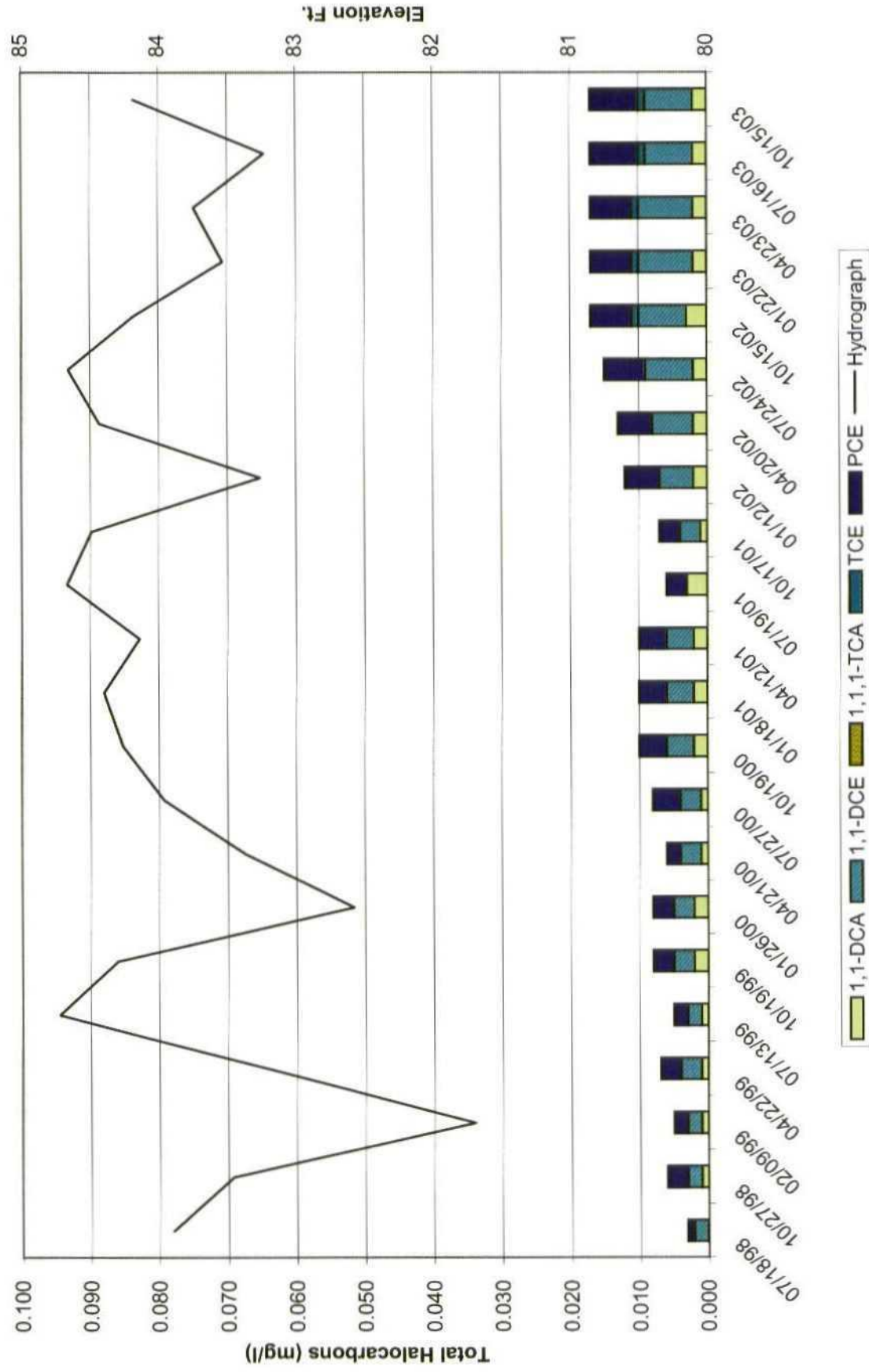
Monitoring Well MW-28



Monitoring Well MW-29



Monitoring Well MW-30



APPENDIX C

***Work Plan, Maintenance Shop
SVE System Decommissioning***

***WORK PLAN
MAINTENANCE SHOP SVE
SYSTEM DECOMMISSIONING***

***SCHLUMBERGER OILFIELD SERVICES
ARTESIA, NEW MEXICO***

August 19, 2003

Prepared For:

Schlumberger Oilfield Services
200 Gillingham Lane, MD7
Sugar Land, TX 77478

Prepared By:



611 Skyline Road
Laramie, Wyoming 82070

Background

Schlumberger Oilfield Services (Dowell) submitted a Work Plan to the New Mexico Environmental Department (NMED) in 1993 for the construction of two SVE systems at their facility in Artesia. Upon approval of the work plan, the systems were constructed in January – February 1994. A report documenting the construction and start-up of the systems was submitted to the NMED in March 1994. The systems were monitored and sampled on a quarterly schedule with the results provided to NMED. The two systems, maintenance shop and wash bay, were run continuously until October 1999. At that time the maintenance shop system was taken off-line due to equipment failure. Since no additional organic compounds being removed, the system was not repaired. The wash bay system continues to operate. Due to other construction on the site, it has now become desirable to decommission the maintenance shop SVE system.

System Effectiveness

Vapors from the system were sampled quarterly and analyzed by EPA Method 8260 for volatile organic compounds. From 1984-1997 each SVE zone was sampled independently. In April 1997 the protocol was changed to collect a composite sample from both zones. The analytical results are presented in Table 1. At startup, volatile organic compound concentrations were in excess of 140 mg/m³ with PCE being the predominant compound. These concentrations declined steadily and at the time the system was shutdown in 1999 there were no detectable volatile compounds.

Removal of the compounds in the soils at the source area had a significant impact on the ground water quality at the monitoring wells immediately downgradient of the system. Monitoring wells MW-2, MW-5, and MW-13 (Figure 1) are the most representative of the effects of the maintenance shop SVE system. Concentrations versus time for each well are presented in Figures 2-4. These figures show that MW-13 is below MCL's for all compounds with MW-2 and MW-5 only having PCE slightly above the MCL for PCE. Source removal with the SVE system has been effective.

Decommissioning

After construction of a new shop building in 2001 it was necessary to demolish the old building. At this time the SVE building and equipment were moved to the back part of the facility to prevent damage and are still located there. Since the SVE wells and collector piping is no longer needed it is proposed to abandon these facilities in place.

The SVE well locations are shown in Figure 5 with as-built details shown on Figure 6. To abandon the wells, the manhole will be removed. The SVE well casing will be cut-off just below the tee. The casing will be pumped full of cement grout amended with bentonite (6%). The connector pipes will be cut-off and sealed with the bentonite amended grout. Grout will be pumped until it is observed at the other end of the pipe. At that time each end of the pipe will capped. It is estimated that 180 feet of SVE well casing will take 4 Ft³ of grout and 200 feet of piping will take 4.5 Ft³ of grout. Eight inches of concrete will be placed in the bottom of the hole to protect the top of the abandoned casing. The remainder of the hole will be filled with road base to match the existing surface. Abandonment details are shown on Figure 7.

No monitoring wells are to be abandoned.

Schedule

It is planned to perform abandonment activities in August or September of 2003.

[illegible]

SVE ZONE	SAMPLE DATE	BENZENE (mg/m3)	BENZENE (mg/m3)	ETHYL- BENZENE (mg/m3)	TOLUENE (mg/m3)	TOTAL XYLENES (mg/m3)	1,1-DCA (mg/m3)	1,2-DCA (mg/m3)	1,1-DCE (mg/m3)	1,1,1- TCA (mg/m3)	1,1,2- TCA (mg/m3)	TCE (mg/m3)	PCE (mg/m3)
MS-1	02/10/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)
	02/16/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(1)
	02/23/94	ND(0.5)	ND(0.5)	ND(0.5)	0.51	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)
	03/04/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)
	03/11/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)
	03/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	5.60	ND(1)	ND(1)	ND(0.5)
	03/28/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.10	ND(1)	ND(1)	ND(0.5)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	21.30	ND(1)	ND(1)	ND(0.5)
	05/06/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	6.20	ND(0.5)	ND(0.5)	ND(0.5)
	05/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4.00	ND(0.5)	ND(0.5)	ND(0.5)
*	06/01/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	ND(1)
	12/05/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	NA	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.20
	10/18/95	ND(0.2)	2.02	ND(0.2)	ND(0.2)	8.07	ND(0.2)	ND(0.2)	ND(0.2)	4.98	ND(0.2)	ND(0.2)	ND(0.2)
	07/24/96	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	1.70	ND(0.3)	ND(0.3)	0.40
	10/22/96	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.61	ND(0.2)	ND(0.2)	0.41
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.07	ND(1.0)	ND(1.0)	ND(1.0)
MS-2	02/03/94	0.70	0.2J	ND(0.5)	ND(0.5)	ND(0.5)	1.60	ND(0.5)	ND(0.5)	2.20	ND(0.5)	0.68	140.00
	02/10/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	27.25
	02/16/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	14.50
	02/23/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	50.20
	03/04/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	8.50
	03/11/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	17.60
	03/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	15.90
	03/28/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.20	ND(1)	ND(1)	6.90
	04/08/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	1.20	ND(1)	ND(1)	12.10
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	2.50	ND(1)	ND(1)	ND(0.5)
*	05/06/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	1.60	ND(0.5)	ND(0.5)	6.80
	05/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4.00	ND(0.5)	ND(0.5)	6.90
	06/01/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	4.00	ND(1)	ND(1)	12.00
	09/07/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.31	ND(0.001)	ND(0.001)	ND(0.001)
	01/25/95	ND(0.04)	ND(0.04)	ND(0.04)	ND(0.04)	0.12	ND(0.04)	ND(0.04)	ND(0.04)	0.93	ND(0.04)	ND(0.04)	0.07
	05/09/95	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.40	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	1.68
	10/18/95	ND(0.2)	2.14	ND(0.2)	ND(0.2)	8.62	ND(0.2)	ND(0.2)	ND(0.2)	1.03	ND(0.2)	ND(0.2)	ND(0.2)
	07/24/96	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.6)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	0.80
	10/22/96	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.24	ND(0.2)	ND(0.2)	0.66
	01/21/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
MS-COMP	04/08/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.46J	ND(1.0)	ND(1.0)	ND(1.0)
	07/29/97	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.60J
	01/07/98	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	07/15/98	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA	ND(1.0)	ND(1.0)
	10/28/98	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	02/10/99	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	0.83
	04/22/99	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(2.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
07/13/99	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.0)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	



Figure 2 - Monitoring Well MW-2

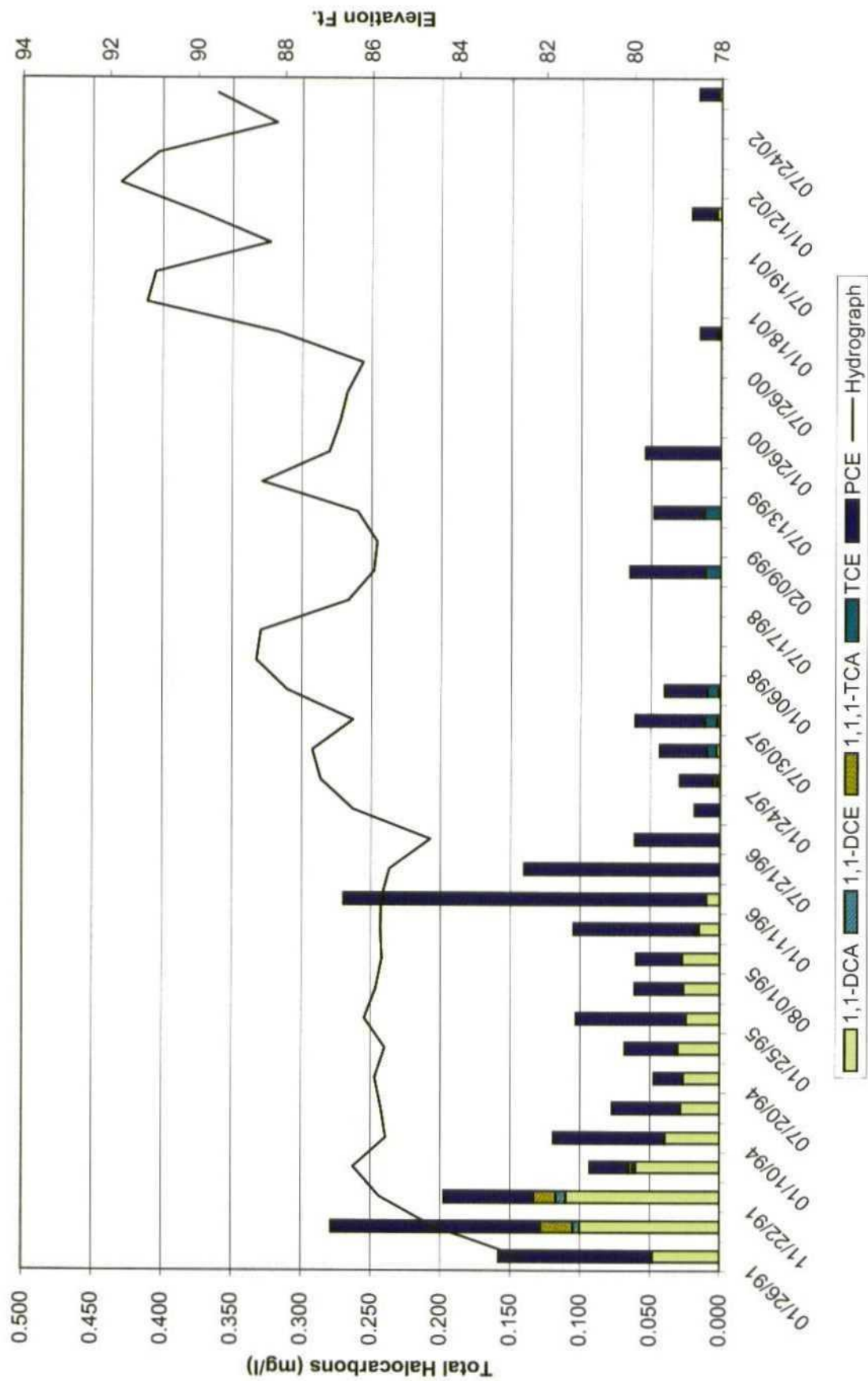


Figure 3 - Monitoring Well MW-5

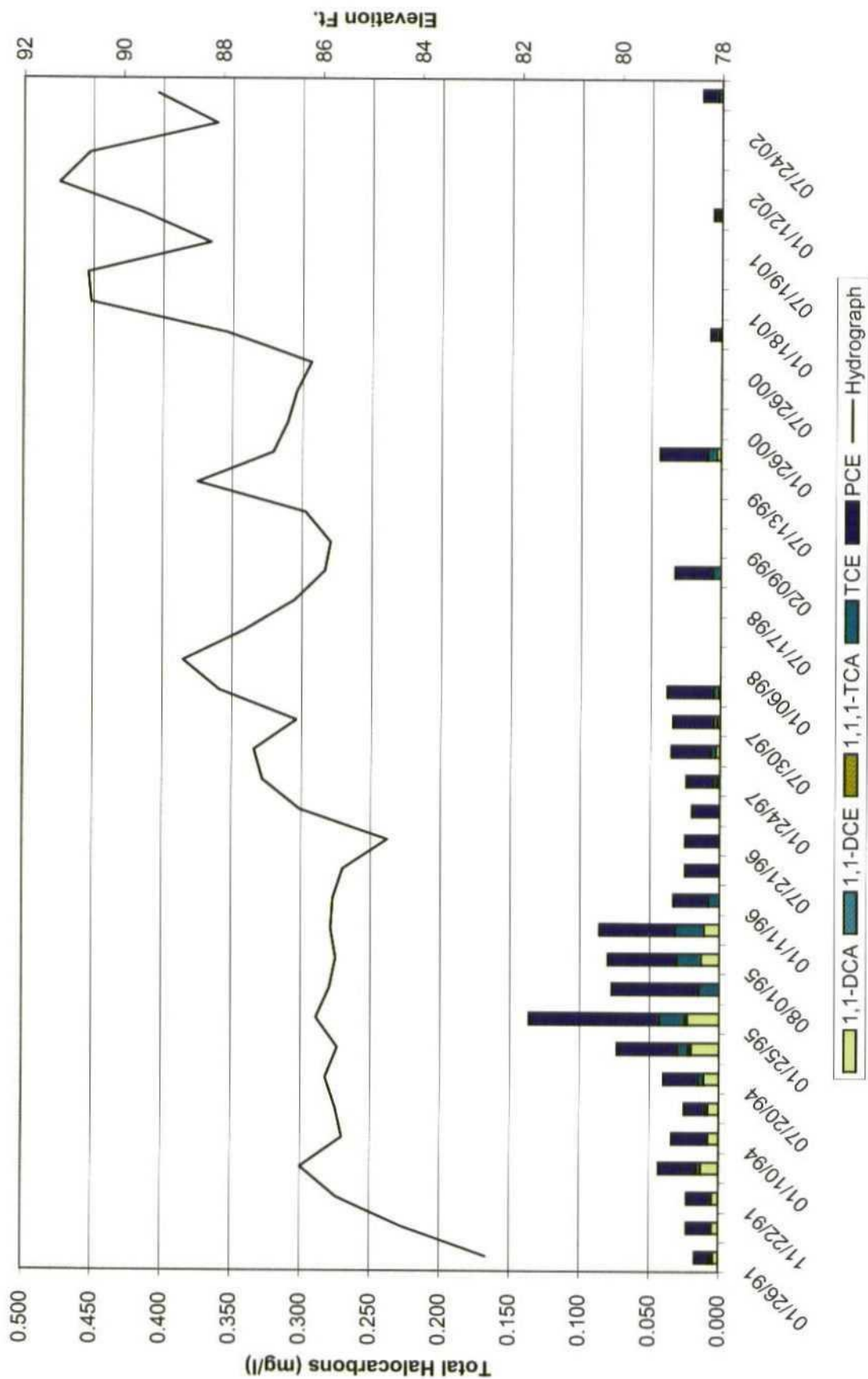
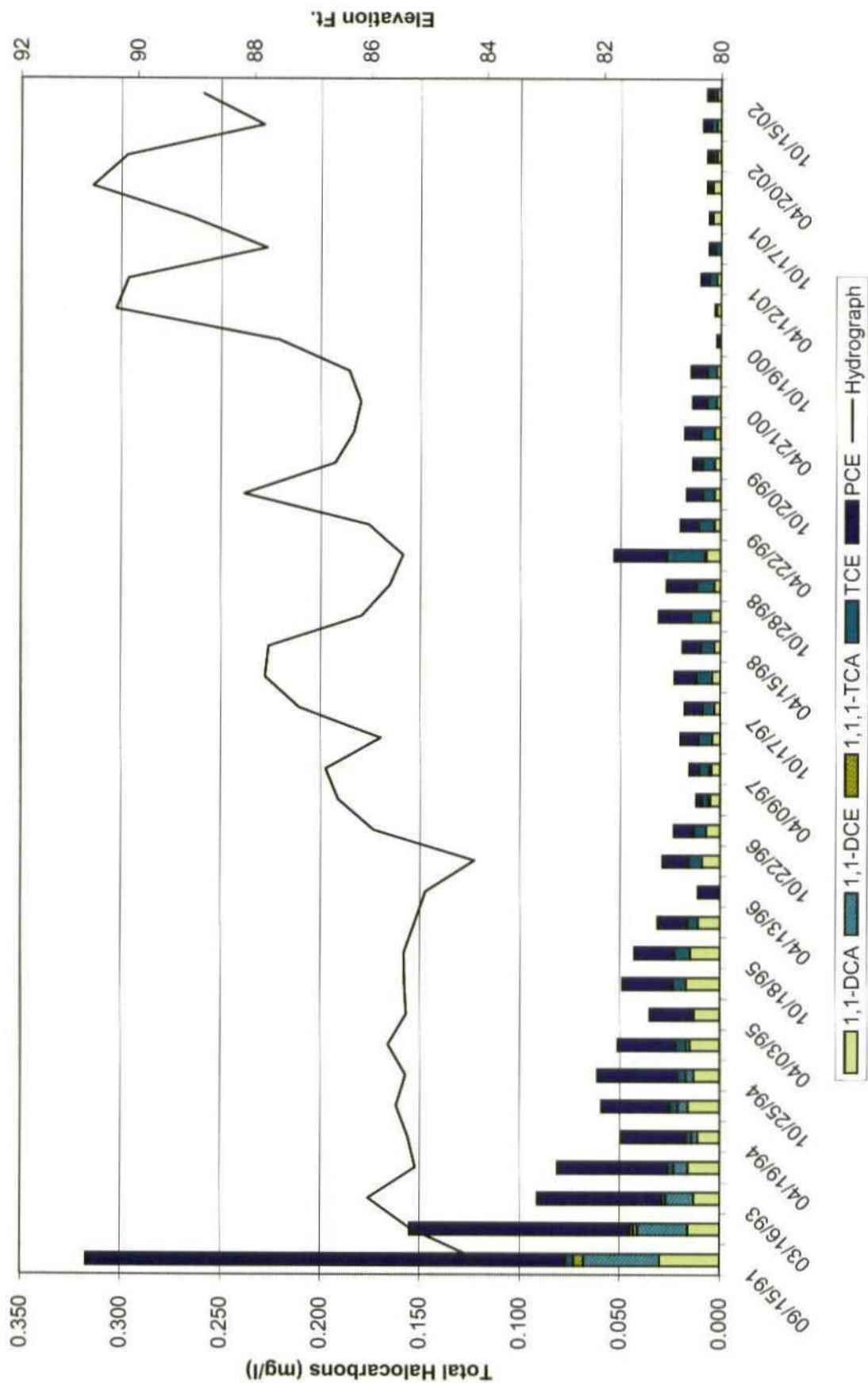
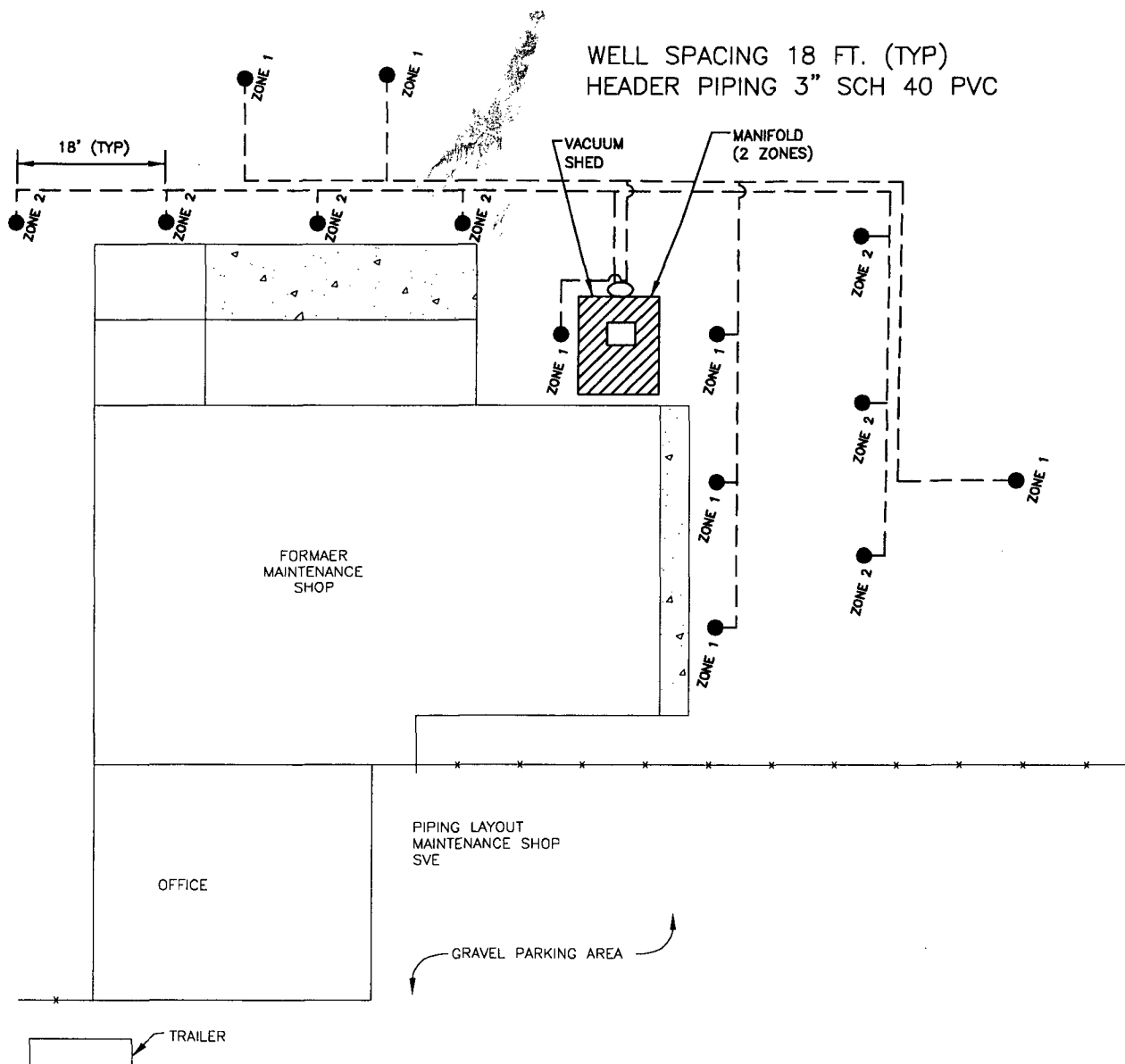


Figure 4 - Monitoring Well MW-13





EXPLANATION

- SOIL VAPOR EXTRACTION (SVE) WELL
- HEADER PIPING

0 20 FT.
SCALE



FIGURE 5
PIPING LAYOUT
FORMER MAINTENANCE SHOP
SVE SYSTEM

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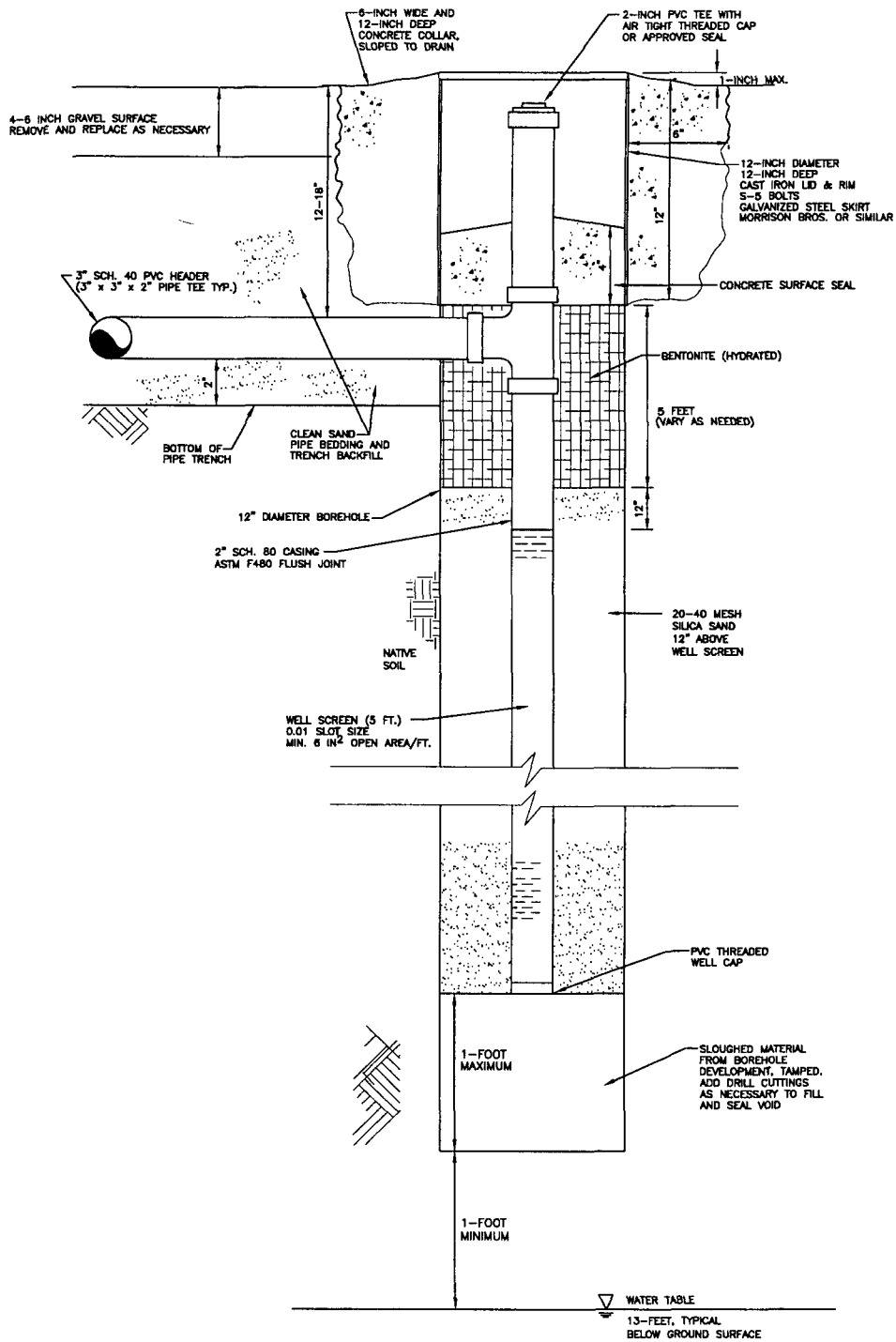
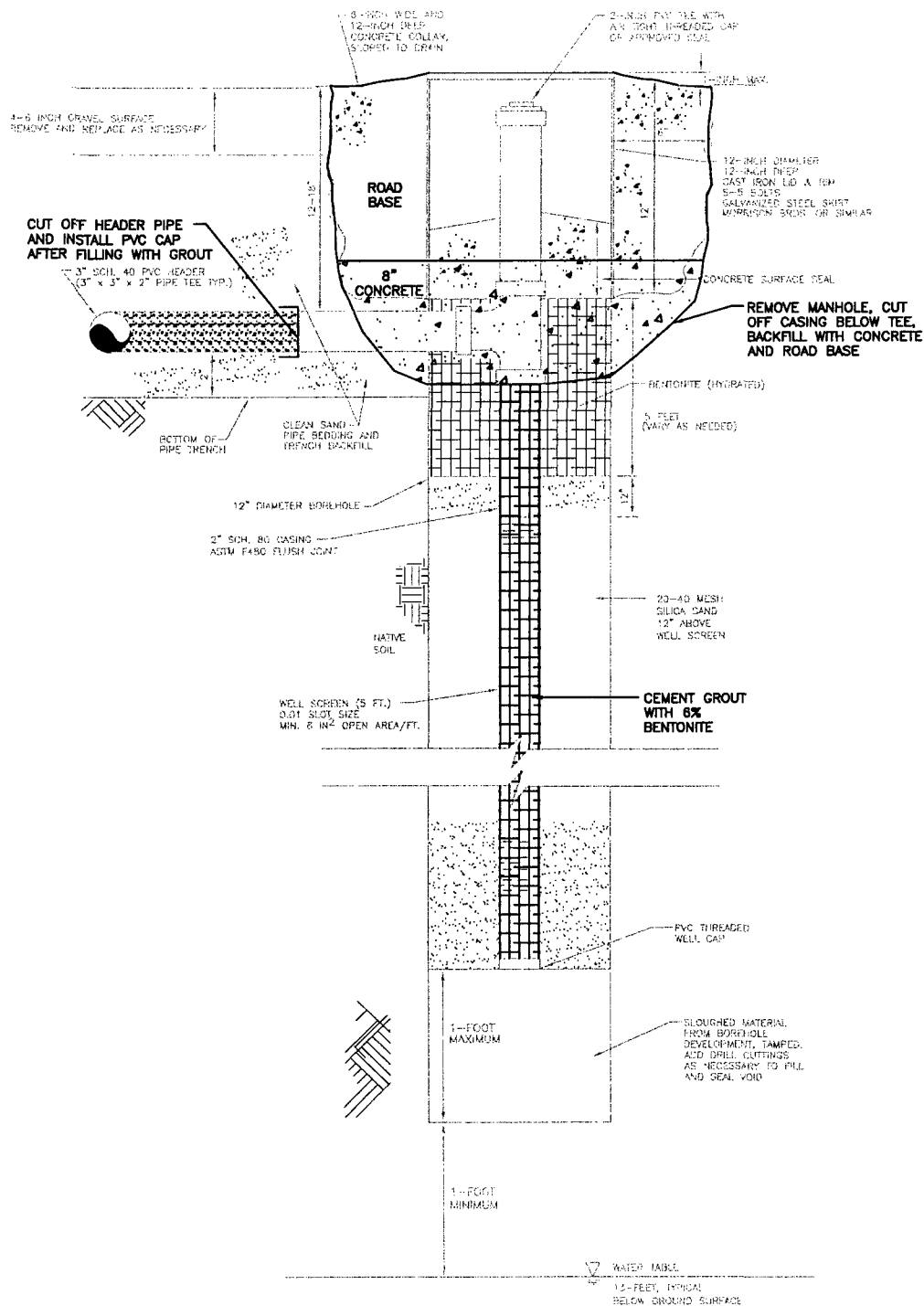


FIGURE 6
AS-BUILT
SVE WELL DETAIL

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NOT TO SCALE



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FIGURE 7

SVE WELL ABANDONMENT

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