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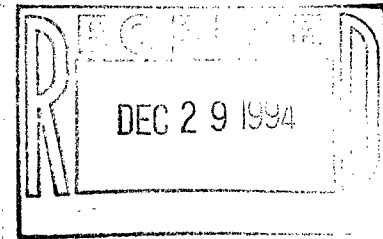
WORK PLANS

REMEDIAL

WORK

Schlumberger

Oilfield Services Shared Resources

John A. Miller
Remediation Manager

Mr. Anthony Moreland, Geologist
Underground Storage Tank Bureau
New Mexico Environment Department
1190 St. Francis Drive
Santa Fe, NM 87502

RE: Third Quarterly Reporting of Activities at the Dowell Schlumberger Incorporated Facility in Artesia, New Mexico

Dear Tony:

This letter constitutes the third quarterly report of remedial activities at the Dowell Schlumberger Incorporated (Dowell) facility in Artesia, New Mexico for the quarter ending in October 1994, as determined in our meeting with you in November 1993. The report presents the results of ground-water monitoring and data from the operation of the two SVE systems at the facility. Soil vapor extraction (SVE) data through early December 1994 have been included. These activities are overseen by the underground Storage Tank Bureau of the New Mexico Environment Department (NMED-UST Bureau). The second quarterly report submitted to NMED-UST Bureau was dated July 25, 1994.

GROUND-WATER MONITORING

Quarterly ground-water monitoring was conducted on October 24 and 25, 1994. Prior to purging wells, static water levels in all monitoring wells were measured with an oil/water interface probe. No floating product was detected in any well. Current and historic water levels are presented in Table 1. A potentiometric surface map generated from the October 1994 data is depicted on Figure 1. The ground-water flow direction is to the northeast, consistent with historic data.

Using dedicated polyethylene bailers, three casing volumes of water were purged from monitoring wells MW-1 through MW-15 before sampling. Using dedicated bailers with volatile organic carbon (VOC) sampling attachments, ground-water samples were collected into VOA vials containing hydrochloric acid preservative supplied by the analytical laboratory. Samples were placed in a cooler with ice immediately after collection and were kept cool until delivery to the laboratory. Samples were analyzed for volatile organics by EPA Method 8240. Results

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are presented in Table 2 with previous analytical results for comparison. Copies of the laboratory reports are attached to this letter as Appendix A.

SVE SYSTEM OPERATION AND MAINTENANCE

The remediation system at the Artesia facility consists of two separate soil vapor extraction (SVE) systems (Figure 2). These systems are called the maintenance shop SVE system and the wash bay SVE system based on their proximity to these facility improvements. The maintenance shop SVE system consists of two zones, each with 7 vapor extraction wells. The wash bay SVE system consists of three zones, each with 7 vapor extraction wells. The systems have run almost continuously since startup.

Overall Operation

The system has operated continuously since the last quarterly report. On September 30, 1994, the vacuum relief valves on both systems were modified to prevent makeup air from entering the systems. This increases the well vacuum to almost 60 inches of water in all zones. Additionally, the operation of the wash bay system was modified to the following daily sequence:

Zone 1	20 hours
Zone 2	2 hours
Zone 3	2 hours

Due to the subsequent drop in concentrations in Zone 1, the wash bay system was returned to 8 hours per zone on December 5, 1994.

The system vacuum is measured at the blower and system manifold. These measurements are reported in Tables 3 and 4. The differences in these two measurements are very small, indicating no plugging of the filters.

Volatile Organics in Soil Vapors

The concentration of volatile organics in the extracted soil vapor and exhausted vapor are measured during each site visit with an HNu photoionization detector (PID). These data are presented in Tables 5 and 6. Note that the September 30, 1994 measurements include readings both before and after modifications to the vacuum relief valves. Measurements on November 3, 1994 were made with a ThermoEnvironmental Determinator PID and show consistently higher readings.

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Samples of the vapors have been collected for laboratory analysis using EPA Method 8240. These data are presented in Appendix B and summarized in Table 7. A sample was collected on December 5, 1994 but these results are not yet available.

Maintenance

The systems have been relatively maintenance free. Minor problems have been corrected as they occur. Following is a list of maintenance activities occurring since the last quarterly report:

- On September 7, 1994, problems due to heat in the exhaust air were corrected. The steel pipe on the blower exhaust was lengthened. Flexible hose that had become brittle due to heat was replaced.
- On September 30, 1994, one valve actuator was inoperable. The actuator was cleaned, lubricated, and put back on line.
- On December 5, 1994, the controller at the wash bay SVE system was reprogrammed. The program was lost due to an interruption in electrical service.
- Carbon filters have been replaced at a rate of one every other month at the wash bay system.

ADDITIONAL ACTIVITIES

In early October 1994, 20 additional SVE wells were drilled on Eddy County right of way north of the existing wash bay SVE system. The results of this work were incorporated into the plans and specifications for expansion of the wash bay SVE system into this area. These plans and specifications were submitted to Mr. Jeff Walker of the NMED Groundwater Protection and Remediation Bureau.

Dowell plans to continue operation of both SVE systems and quarterly monitoring of ground water. If you have questions or comments, please contact me.

Sincerely,


John A. Miller
Remediation Manager

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cc: Mr. Jeff Walker
Mr. Brent Schindler
Western Water Consultants, Inc. - Laramie

**TABLE 1. GROUND-WATER MEASUREMENTS AND ELEVATIONS,
DOWELL SCHLUMBERGER INCORPORATED, ARTESIA, NEW MEXICO.**

WELL #	DATE	DEPTH TO GROUND WATER (ft)	MEASURING POINT ELEVATION* (ft)	GROUND-WATER ELEVATION* (ft)
MW-1	01/23/91	17.41	100.56	83.15
	09/13/91	16.04		84.52
	11/22/91	14.50		86.06
	03/16/93	13.72		86.84
	01/09/94	14.62		85.94
	04/19/94	14.48		86.08
	07/20/94	14.38		86.18
	10/24/94	14.73		85.83
MW-2	01/23/91	16.95	99.56	82.61
	09/13/91	15.01		84.55
	11/22/91	13.76		85.80
	03/16/93	13.16		86.40
	01/09/94	13.91		85.65
	04/19/94	13.80		85.76
	07/20/94	13.65		85.91
	10/24/94	13.88		85.68
MW-3	01/23/91	17.28	98.33	81.05
	09/13/91	14.66		83.67
	11/22/91	13.63		84.70
	03/16/93	12.89		85.44
	01/09/94	13.66		84.67
	04/19/94	NM		NM
	07/20/94	13.18		85.15
	10/24/94	13.27		85.06
MW-4	01/23/91	20.17	103.18	83.01
	09/13/91	18.54		84.64
	11/22/91	17.15		86.03
	03/16/93	16.49		86.69
	01/09/94	17.28		85.90
	04/19/94	17.15		86.03
	07/20/94	16.99		86.19
	10/24/94	17.25		85.93
MW-5	01/23/91	17.20	99.87	82.67
	09/13/91	15.52		84.35
	11/22/91	14.19		85.68
	03/16/93	13.47		86.40
	01/09/94	14.31		85.56
	04/19/94	14.17		85.70
	07/20/94	13.97		85.90
	10/24/94	14.21		85.66
MW-6	01/23/91	19.59	100.84	81.25
	09/13/91	17.43		83.41
	11/21/91	16.30		84.54
	03/16/93	15.57		85.27
	01/09/94	16.42		84.42
	04/19/94	16.29		84.55
	07/19/94	15.79		85.05
	10/24/94	15.83		85.01
MW-7	01/23/91	19.01	100.23	81.22
	09/13/91	17.43		82.80
	11/21/91	16.00		84.23
	03/16/93	14.91		85.32
	01/09/94	15.99		84.24
	04/19/94	15.83		84.40
	07/19/94	15.24		84.99
	10/24/94	15.32		84.91

**TABLE 1. GROUND-WATER MEASUREMENTS AND ELEVATIONS,
DOWELL SCHLUMBERGER INCORPORATED, ARTESIA, NEW MEXICO.**

WELL #	DATE	DEPTH TO GROUND WATER (ft)	MEASURING POINT ELEVATION* (ft)	GROUND-WATER ELEVATION* (ft)
MW-8	01/23/91	20.16	101.47	81.31
	09/13/91	18.80		82.67
	11/21/91	17.29		84.18
	03/16/93	16.03		85.44
	01/09/94	17.23		84.24
	04/19/94	17.05		84.42
	07/19/94	16.50		84.97
	10/24/94	16.56		84.91
MW-9	01/26/91	20.08	102.18	82.10
	09/13/91	18.93		83.25
	11/21/91	17.35		84.83
	03/16/93	16.19		85.99
	01/09/94	17.31		84.87
	04/19/94	17.33		84.85
	07/19/94	16.85		85.33
	10/24/94	17.05		85.13
MW-10	01/26/91	19.68	101.34	81.66
	09/13/91	18.56		82.78
	11/21/91	16.96		84.38
	03/16/93	15.64		85.70
	01/09/94	16.89		84.45
	04/19/94	16.73		84.61
	07/19/94	16.29		85.05
	10/24/94	16.39		84.95
MW-11	01/26/91	19.27	100.60	81.33
	09/13/91	17.81		82.79
	11/21/91	16.35		84.25
	03/16/93	15.20		85.40
	01/09/94	16.31		84.29
	04/19/94	16.17		84.43
	07/19/94	15.63		84.97
	10/24/94	15.72		84.88
MW-12	01/26/91	19.24	100.69	81.45
	09/13/91	17.59		83.10
	11/21/91	16.21		84.48
	03/16/93	15.22		85.47
	01/09/94	16.25		84.44
	04/19/94	16.13		84.56
	07/19/94	15.63		85.06
	10/24/94	15.73		84.96
MW-13	09/13/91	15.10	99.25	84.15
	11/21/91	13.95		85.30
	03/16/93	13.22		86.03
	01/09/94	14.03		85.22
	04/19/94	13.90		85.35
	07/20/94	13.70		85.55
	10/24/94	13.86		85.39
MW-14	09/13/91	14.60	98.74	84.14
	11/21/91	13.61		85.13
	03/16/93	13.00		85.74
	01/09/94	13.71		85.03
	04/19/94	13.63		85.11
	07/20/94	13.39		85.35
	10/24/94	13.48		85.26

**TABLE 1. GROUND-WATER MEASUREMENTS AND ELEVATIONS,
DOWELL SCHLUMBERGER INCORPORATED, ARTESIA, NEW MEXICO.**

WELL #	DATE	DEPTH TO	MEASURING POINT	GROUND-WATER
		GROUND WATER	ELEVATION*	ELEVATION*
		(ft)	(ft)	(ft)
MW-15	09/13/91	16.30	100.05	83.75
	11/21/91	15.01		85.04
	03/16/93	13.95		86.10
	01/09/94	14.91		85.14
	04/19/94	14.80		85.25
	07/20/94	14.56		85.49
	10/24/94	14.73		85.32

NOTES:

* = 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.

NM = not measured

TABLE 2. RESULTS FROM LABORATORY ANALYSES OF GROUND-WATER SAMPLES,
DOWELL SCHLUMBERGER INC. FACILITY, ARTESIA, NEW MEXICO

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL- BENZENE (mg/L)	TOLUENE (mg/L)	XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,1,1- TCA (mg/L)	1,1,2- TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	ACETONE (mg/L)
MW-1	01/26/91	0.033	ND(0.005)	0.029	0.13	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.05)
	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(0.01)
	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(0.01)
	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(0.01)
	01/10/94	0.006	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.01)
	04/19/94	0.035	0.001J	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(0.1)
MW-2	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(0.1)
	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(0.1)
dup.	01/26/91	0.21	0.59	0.071	1.7	0.048	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.11	ND(0.1)
	01/26/91	0.19	0.45	0.062	1.3	0.043	ND(0.01)	ND(0.01)	0.011	ND(0.01)	ND(0.01)	0.078	ND(0.1)
	08/15/91	0.12	0.05	0.006	0.69	0.1	ND(0.005)	0.005	0.023	ND(0.005)	ND(0.005)	0.15	ND(0.05)
	11/22/91	0.033	0.001	0.001	0.086	0.11	ND(0.001)	0.007	0.016	ND(0.001)	ND(0.001)	0.064	ND(0.01)
	03/16/93	0.019	ND(0.001)	ND(0.001)	ND(0.005)	0.06	ND(0.001)	0.002	0.003	ND(0.001)	ND(0.001)	0.079	ND(0.01)
	01/10/94	0.024	ND(0.001)	0.001	ND(0.005)	0.039	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.048	ND(0.1)
dup.	04/19/94	0.045	0.004J	ND(0.005)	ND(0.005)	0.028	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.052	ND(0.1)
	04/19/94	0.043	0.005J	ND(0.005)	ND(0.005)	0.03	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.021	ND(0.1)
	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(0.1)
	10/25/94	0.045	0.008	ND(0.005)	ND(0.005)	0.03	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.037	ND(0.1)
MW-3	01/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/15/91	0.2	1.2	1.2	14	ND(0.2)	ND(0.2)	ND(0.2)	0.33	ND(0.2)	ND(0.2)	ND(0.2)	3.7
	11/22/91	0.11	0.68	0.53	6.8	0.094	0.004	0.19	0.11	0.002*	0.15	0.057	0.811
	03/16/93	ND(0.001)	1	0.65	8.6	ND(0.001)	ND(0.001)	0.044	0.26	ND(0.001)	0.037	0.33	ND(0.01)
	07/01/93	0.13	0.78	0.54	9	ND(0.001)	ND(0.001)	ND(0.05)	0.16	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.5)
	01/10/94	0.14	1	0.52	9.1	0.14	ND(0.05)	ND(0.1)	0.21	ND(0.1)	ND(0.1)	ND(0.1)	ND(1)
dup.	04/19/94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/20/94	0.092	0.46	0.16	3	0.077	0.002J	0.036	0.069	ND(0.005)	0.064	0.011	0.048J
	10/25/94	0.13	0.96	0.25	4.2	0.2	ND(0.05)	0.064	ND(0.05)	ND(0.05)	0.13	0.21J	ND(0.1)
	10/25/94	0.11	0.83	0.3	4.7	0.18	ND(0.05)	0.051	ND(0.05)	ND(0.05)	0.1	0.024J	ND(0.1)
MW-4	01/26/91	0.068	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(0.01)
	09/15/91	0.26	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(0.02)
	11/22/91	0.18	0.1	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(0.01)
	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(0.01)
	01/10/94	0.064	0.074	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(0.01)
	04/19/94	0.074	0.085	ND(0.005)	0.003J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
dup.	07/20/94	0.1	0.053	ND(0.005)	0.005J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
	10/25/94	0.14	0.26	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	ND(0.1)

TABLE 2. RESULTS FROM LABORATORY ANALYSES OF GROUND-WATER SAMPLES,
DOWELL SCHLUMBERGER INC. FACILITY, ARTESIA, NEW MEXICO

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL- BENZENE (mg/L)	TOLUENE (mg/L)	XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,1,1- TCA (mg/L)	1,1,2- TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	ACETONE (mg/L)
MW-5	01/26/91	0.014	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.002	0.001	ND(0.001)	ND(0.001)	0.01	ND(0.01)
	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(0.01)
	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(0.01)
	03/16/93	0.078	0.007	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.003	ND(0.001)	ND(0.001)	0.001	0.026	ND(0.01)
	01/10/94	0.025	ND(0.001)	ND(0.001)	ND(0.005)	0.008	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.005)	ND(0.001)	0.026	ND(0.01)
dup.	04/19/94	0.07	0.011	ND(0.005)	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.002J	0.015	ND(0.1)
	07/20/94	0.22	0.041	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	0.025	ND(0.1)
	07/20/94	0.32	0.076	ND(0.005)	0.001J	0.026	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.006	0.039	ND(0.1)
	10/25/94	0.24	0.059	ND(0.005)	ND(0.005)	0.02	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.008J	0.043	ND(0.1)
MW-6	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.17	0.007	ND(0.001)	ND(0.001)	0.083	ND(0.01)
	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)	ND(0.001)	0.043	ND(0.01)
	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)	ND(0.001)	0.035	ND(0.01)
	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)	ND(0.001)	0.056	ND(0.01)
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.14	0.002	ND(0.001)	ND(0.001)	0.12	ND(0.01)
dup.	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.07	0.002J	ND(0.005)	ND(0.005)	0.072	ND(0.1)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.098	0.001J	ND(0.005)	ND(0.005)	0.065	ND(0.1)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.11	0.001J	ND(0.005)	ND(0.005)	0.073	ND(0.1)
	10/25/94	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)	ND(0.005)	0.059	ND(0.1)
MW-7	01/26/91	0.006	ND(0.001)	ND(0.001)	ND(0.005)	0.021	ND(0.001)	0.26	0.01	ND(0.001)	ND(0.001)	0.2	ND(0.01)
	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.038	ND(0.001)	0.32	0.005	ND(0.001)	ND(0.001)	0.27	ND(0.01)
	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.034	ND(0.001)	0.31	0.006	ND(0.001)	ND(0.001)	0.28	ND(0.01)
	11/22/91	0.009	ND(0.005)	ND(0.005)	ND(0.025)	0.035	ND(0.005)	0.36	ND(0.005)	ND(0.001)	0.053	0.31	ND(0.05)
	03/16/93	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.027	ND(0.001)	0.28	0.002	ND(0.001)	0.05	0.16	ND(0.01)
dup.	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.023	ND(0.001)	0.21	0.004	ND(0.001)	0.046	0.16	ND(0.01)
	04/19/94	0.007J	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	0.12	0.003J	ND(0.005)	0.038	0.12	ND(0.1)
	07/20/94	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.22	0.003J	ND(0.005)	0.04	0.16	ND(0.1)
	10/25/94	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.23	ND(0.005)	ND(0.005)	0.05	0.24	ND(0.1)
	10/25/94	0.006J	ND(0.025)	ND(0.025)	ND(0.025)	0.026	ND(0.025)	0.2	ND(0.025)	ND(0.025)	0.045	0.23	ND(0.1)
MW-8	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	ND(0.001)	0.015	0.004	ND(0.001)	ND(0.001)	0.003	ND(0.01)
	09/15/91	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.101	0.007	ND(0.001)	ND(0.001)	0.05	ND(0.01)
	11/22/91	0.004	ND(0.001)	ND(0.001)	ND(0.005)	0.02	ND(0.001)	0.087	0.003	ND(0.001)	0.045	0.063	ND(0.01)
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.005	ND(0.001)	0.006	0.009	ND(0.01)
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.004	ND(0.001)	0.006	0.006	ND(0.01)
dup.	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.005	ND(0.001)	0.073	0.004	ND(0.001)	0.006	0.01	ND(0.01)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.039	0.004J	ND(0.005)	0.004J	0.007	ND(0.1)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.069	0.005	ND(0.005)	0.006	0.011	ND(0.1)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.082	ND(0.005)	ND(0.005)	0.01	0.019	ND(0.1)

TABLE 2. RESULTS FROM LABORATORY ANALYSES OF GROUND-WATER SAMPLES, DOWELL SCHLUMBERGER INC. FACILITY, ARTESIA, NEW MEXICO

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,1,1-TCA (mg/L)	1,1,2-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	ACETONE (mg/L)
MW-9	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.022	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.01)
	09/15/91	0.002	0.032	ND(0.001)	ND(0.005)	0.035	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.019
	11/22/91	0.004	0.17	ND(0.001)	ND(0.005)	0.029	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.014
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.012	ND(0.001)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
	01/10/94	ND(0.001)	ND(0.001)	0.002	ND(0.005)	0.012	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
MW-10	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0084
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.017
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.012	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
MW-11	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.029	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.025	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.021	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	0.0014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.052	0.0044	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
MW-12	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
	01/26/91	0.01	ND(0.005)	ND(0.005)	ND(0.025)	0.045	ND(0.005)	0.31	ND(0.005)	ND(0.005)	0.14	0.36	ND(0.05)
	09/15/91	0.056	ND(0.001)	ND(0.001)	ND(0.005)	0.068	ND(0.001)	0.47	0.017	ND(0.001)	0.12	0.33	ND(0.01)
	11/22/91	0.048	ND(0.001)	ND(0.001)	ND(0.005)	0.052	ND(0.001)	0.39	0.018	ND(0.001)	0.11	0.32	ND(0.01)
	03/16/93	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.04	ND(0.001)	0.22	0.004	ND(0.001)	0.074	0.16	ND(0.01)
MW-12	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.042	ND(0.001)	0.25	ND(0.001)	ND(0.001)	0.083	0.32	ND(0.01)
	04/19/94	0.009	ND(0.005)	0.0024	ND(0.005)	0.042	ND(0.005)	0.17	0.006	ND(0.005)	0.079	0.17	ND(0.1)
	07/20/94	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.46	0.014	ND(0.025)	0.12	0.36	ND(0.5)
	10/25/94	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.067	0.0014	0.22	ND(0.005)	ND(0.005)	0.11	0.3	ND(0.1)
	01/26/91	0.26	0.85	0.23	4.5	0.14	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.073	0.042	2.2
MW-12	09/15/91	0.15	0.62	0.63	2.2	0.12	ND(0.001)	0.3	0.11	ND(0.001)	0.2	0.061	0.29
	11/22/91	0.11	0.43	0.034	0.61	0.11	0.002	0.24	0.1	ND(0.001)	0.26	0.051	0.056
	03/16/93	0.16	0.8	0.014	1.0	0.12	ND(0.001)	0.039	0.055	ND(0.001)	0.036	0.018	0.017
	01/10/94	0.16	0.87	0.026	0.99	0.15	ND(0.01)	0.075	0.053	ND(0.01)	0.07	0.024	ND(0.1)
	04/19/94	0.11	0.11	0.049	0.25	0.11	0.0024	0.064	0.065	ND(0.005)	0.073	0.033	ND(0.1)
MW-12	07/20/94	0.16	0.72	0.071	0.61	0.15	ND(0.025)	0.073	0.075	ND(0.025)	0.086	0.0224	ND(0.5)
	10/25/94	0.086	0.66	ND(0.025)	0.1	0.16	ND(0.025)	0.085	ND(0.025)	ND(0.025)	0.12	0.0154	ND(0.1)

TABLE 2.
RESULTS FROM LABORATORY ANALYSES OF GROUND-WATER SAMPLES,
DOWELL SCHLUMBERGER INC. FACILITY, ARTESIA, NEW MEXICO

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL- BENZENE (mg/L)	TOLUENE (mg/L)	XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,1,1- TCA (mg/L)	1,1,2- TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	ACETONE (mg/L)
MW-13	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.03	0.002	0.038	0.005	ND(0.001)	0.004	0.24	ND(0.01)
	11/22/91	0.43	ND(0.001)	ND(0.001)	ND(0.005)	0.016	0.001	0.025	0.002	ND(0.001)	0.002	0.11	ND(0.01)
	03/16/93	0.033	ND(0.001)	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.014	ND(0.001)	ND(0.001)	0.002	0.062	ND(0.01)
	03/16/93	0.034	ND(0.001)	ND(0.001)	ND(0.005)	0.013	0.001	0.015	ND(0.001)	ND(0.001)	0.002	0.066	ND(0.01)
	01/10/94	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.016	0.007	0.007	ND(0.001)	ND(0.001)	0.003	0.055	ND(0.01)
dup.	04/19/94	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.011	0.001J	0.003J	ND(0.005)	ND(0.005)	0.003J	0.032	ND(0.1)
	07/20/94	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.016	0.001J	0.005J	ND(0.005)	ND(0.005)	0.004J	0.034	ND(0.1)
	10/25/94	0.011	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	0.004J	0.04	ND(0.1)
MW-14	09/15/91	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.13	0.002	0.3	0.014	0.001	0.002	0.46	ND(0.01)
	11/22/91	0.002	ND(0.001)	ND(0.001)	ND(0.005)	0.14	0.002	0.31	0.009	ND(0.001)	0.002	0.4	ND(0.01)
	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.11	0.002	0.32	0.01	ND(0.001)	0.002	0.44	ND(0.01)
	03/16/93	0.02	ND(0.001)	ND(0.001)	ND(0.005)	0.08	0.001	0.18	0.004	ND(0.001)	0.002	0.21	ND(0.01)
	01/10/94	0.011	ND(0.001)	ND(0.001)	ND(0.005)	0.057	ND(0.001)	0.1	ND(0.001)	ND(0.001)	0.002	0.3	0.011
dup.	04/19/94	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.056	0.001J	ND(0.005)	ND(0.005)	0.16	ND(0.1)
	07/20/94	0.01J	ND(0.025)	ND(0.025)	ND(0.025)	0.072	ND(0.025)	0.11	ND(0.025)	ND(0.025)	ND(0.025)	0.21	ND(0.5)
	10/25/94	0.01	ND(0.005)	ND(0.005)	ND(0.005)	0.079	0.001J	0.094	ND(0.005)	ND(0.005)	ND(0.005)	0.23	ND(0.1)
MW-15	09/15/91	0.002	0.01	ND(0.001)	0.006	0.026	0.001	0.005	ND(0.001)	ND(0.001)	ND(0.001)	0.004	0.024
	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.033	0.001	0.009	ND(0.001)	ND(0.001)	0.003	0.006	ND(0.01)
	03/16/93	0.001	0.002	ND(0.001)	ND(0.005)	0.082	0.001	0.013	ND(0.001)	ND(0.001)	0.006	0.009	ND(0.01)
	01/10/94	ND(0.001)	0.008	ND(0.001)	ND(0.005)	0.048	ND(0.001)	0.009	ND(0.001)	ND(0.001)	0.004	0.013	ND(0.01)
	01/10/94	0.001	0.009	0.002	ND(0.005)	0.054	0.01	0.005J	ND(0.001)	ND(0.001)	0.004	0.015	ND(0.01)
dup.	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.005J	ND(0.005)	ND(0.005)	0.003J	0.008	ND(0.1)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.049	0.001J	0.006	ND(0.005)	ND(0.005)	0.004J	0.005	ND(0.1)
	10/25/94	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.006	ND(0.005)	ND(0.005)	0.004J	0.006	ND(0.1)

NOTES:
ND(0.001) = chemical not detected at detection limit
shown in parentheses
dup. = duplicate sample
* = minor amounts of other chemicals also detected
(see previous laboratory reports)
= minor amounts of other chemicals also detected
(see laboratory reports appended to this letter)
NA = not analyzed

CHEMICAL ABBREVIATIONS:
TPH = total petroleum hydrocarbons
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

TABLE 3. OPERATIONAL CONDITIONS
MAINTENANCE SHOP SVE SYSTEM
DOWELL SCHLUMBERGER INCORPORATED
ARTESIA, NEW MEXICO

DATE	HOUR METER	VACUUM (INCHES OF WATER)			
		ZONE 1 MANIFOLD	ZONE 1 BLOWER	ZONE 2 MANIFOLD	ZONE 2 BLOWER
01/31/94	0.0				
02/01/94	5.1	44	48	48	50
02/02/94	23.2			48	50
02/03/94	47.8			41	46
02/10/94	219.4			43	45
02/16/94	362.1	30	35		
02/23/94	531.0			37	41
03/04/94	748.6	27	32		
03/11/94	915.3			37	41
03/18/94	1086.1	28	33		
03/28/94	1325.8	29	34		
04/08/94	1583.0			38	42
04/19/94	1857.6	31	36	33	38
05/06/94	2256.0	46	48	48	50
05/18/94				47	49
06/01/94				51	53
06/16/94	3099.9	49	52	48	51
07/06/94	3100.1	50	52	47	49
07/21/94	3457.6	44	49	52	54
08/09/94	3899.9	51	54	49	52
09/07/94	4093.7	48	50	48	49
09/30/94	4647.1	52	54	49	51
10/11/94	4911.1	53	55	48	51
11/03/94	5445.6	58	60	54	57
12/05/94	6204.9	57	62	57	61

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

DATE	HOUR METER	VACUUM (INCHES OF WATER)					
		ZONE 1 MANIFOLD	ZONE 1 BLOWER	ZONE 2 MANIFLOD	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

TABLE 5. VOLATILE ORGANIC COMPOUNDS
MAINTENANCE SHOP SVE SYSTEM
DOWELL SCHLUMBERGER INCORPORA
ARTESIA, NEW MEXICO

DATE	HOUR METER	HNU READING (PPM)		
		EXHAUST	ZONE 1	ZONE 2
02/03/94	47.8	0	4	35
02/10/94	219.4	0	1	12
02/16/94	362.1	0	1	6
02/23/94	531.0	3	3	8
03/04/94	748.6	0	1	6
03/11/94	915.3	3	3	7
03/18/94	1086.1	0	0	2
03/28/94	1325.8	0	0	2
04/08/94	1583.0	0	0	3.5
05/18/94		0		
07/06/94	3100.1	0	0	0
07/21/94	3457.6	0	0	0
08/09/94	3899.9	0	0	1
09/06/94	4093.7	0	0	1
09/30/94	4647.1	0	0.5	1
10/11/94	4911.1	3	1.8	1
11/03/94	5445.6	22	4.5	6.3
12/05/94	6204.9	4	2	5

TABLE 6. VOLATILE ORGANIC COMPOUNDS
WASH BAY SVE SYSTEM
DOWELL SCHLUMBERGER INCORPORATED
ARTESIA, NEW MEXICO

DATE	HOUR METER	HNU READING (PPM)			
		EXHAUST	ZONE 1	ZONE 2	ZONE 3
02/03/94	45.3	2	84	110	180
02/10/94	217.7	0	56	69	137
02/16/94	359.7	0	23	37	133
02/23/94	528.5	3	22	54	118
03/04/94	746.2	3	42	46	91
03/11/94	912.0	7	44	42	93
03/18/94	1083.9	40	33	44	77
03/28/94	1322.8	18	26	13	21
04/08/94	1581.2	7	29	39	67
05/18/94		0			
07/06/94	3712.1	1	24	66	135
07/21/94	3858.3	0	110	48	71
08/09/94	3859.7	1	31	67	126
09/06/94	4519.5	0	29	40	79
09/30/94	5073.4	44	33/51	69/133	95/161
10/11/94	5328.8	7	43	78	118
11/03/94	5864.3	8	151	434	745
12/05/94	6546.8	4	30	152	240

TABLE 7.
SUMMARY OF LABORATORY ANALYSES OF SOIL VAPOR SAMPLES,
DOWELL SCHLUMBERGER INCORPORATED, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (ug/L)	ETHYL- BENZENE (ug/L)	TOLUENE (ug/L)	XYLENES (ug/L)	1,1-DCA (ug/L)	1,2-DCA (ug/L)	1,1-DCE (ug/L)	1,1,1- TCA (ug/L)	1,1,2- TCA (ug/L)	TCE (ug/L)	PCE (ug/L)	2-BUTANONE (ug/L)
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)	7 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)	ND(1)
	02/23/94	ND(0.5)	ND(0.5)	0.51 ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	1.4 ND(1)
	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)	ND(1)
	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)	3 ND(1)
	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)	ND(0.5)	ND(1)
	03/28/94	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)	1.9 ND(1)
	04/20/94	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)	1.9 ND(1)
	05/06/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	6.2 ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	05/18/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	4 ND(1)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
MS-2	02/03/94	0.7 ND(1)	0.2 ND(1)	ND(0.5) ND(1)	ND(0.5) ND(1)	1.6 ND(2)	ND(0.5) ND(2)	ND(0.5) ND(2)	2.2 ND(2)	ND(0.5) ND(2)	0.68 ND(2)	140 27.25	ND(2) ND(2)
	02/10/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	14.5 50.2	ND(2) ND(2)
	02/16/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	8.5 17.6	ND(1) ND(1)
	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)	15.9 6.9	ND(1) ND(1)
	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)	12.1 ND(0.5)	ND(1) ND(1)
	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)	12.1 ND(0.5)	ND(1) ND(1)
	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)	12.1 ND(0.5)	ND(1) ND(1)
	03/28/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	12.1 ND(0.5)	ND(1) ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	12.1 ND(0.5)	ND(1) ND(1)
	05/06/94	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)	1.6 ND(1)	ND(0.5)	ND(0.5)	6.8 12	ND(1) ND(1)
WB-1	06/01/94	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	0.305 ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	06/07/94	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
	02/10/94	ND(1)	3.57	2.98	12.6	ND(2)	ND(2)	ND(2)	4.07	ND(2)	ND(2)	ND(2)	ND(2)
	02/16/94	ND(1)	1.2	1.1	10.4	ND(2)	ND(2)	ND(2)	3.7	ND(2)	ND(2)	14.5	9.1
	02/23/94	ND(0.5)	2.2	2.4	18.3	ND(1)	ND(1)	ND(1)	6.1	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/04/94	ND(0.5)	2.6	2.5	21.2	ND(1)	ND(1)	ND(1)	6.6	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	2.6	2.9	16.1	ND(1)	ND(1)	ND(1)	9.3	ND(1)	ND(1)	17.6	4.1
	03/18/94	ND(0.5)	14.6	1.8	ND(0.5)	ND(1)	ND(1)	ND(1)	3.5	ND(1)	ND(1)	ND(0.5)	21.3
	03/28/94	ND(0.5)	0.9	1.2	8	ND(1)	ND(1)	ND(1)	3.4	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	ND(0.5)	ND(0.5)	4.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	1.2
WB-2	05/06/94	ND(0.5)	1.1	1.7	5.8	ND(0.5)	ND(0.5)	ND(1)	3.9	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	05/18/94	ND(0.5)	0.8	ND(0.5)	8.4	ND(0.5)	ND(0.5)	ND(1)	1.8	ND(0.5)	ND(0.5)	ND(0.5)	ND(1)
	06/01/94	ND(1)	3	ND(1)	6	ND(1)	ND(1)	ND(1)	4	ND(1)	ND(1)	2	ND(1)
	06/07/94	ND(1)	5	1	11	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
	08/10/94	ND(0.01)	0.293	0.093	0.606	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
	09/07/94	ND(0.01)				ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
	02/10/94	1.67	5.03	10.13	14.9	ND(2)	ND(2)	ND(2)	8.34	ND(2)	ND(2)	ND(2)	14.71
	02/16/94	ND(1)	3	4.8	29.9	ND(2)	ND(2)	ND(2)	6.5	ND(2)	ND(2)	14.5	6.7
	02/23/94	1.4	9.3	16.4	53.2	ND(1)	ND(1)	ND(1)	12.6	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/04/94	ND(0.5)	5.3	9.5	39.7	ND(1)	ND(1)	ND(1)	12.1	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	5.4	10.9	23.2	ND(1)	ND(1)	ND(1)	12.1	ND(1)	ND(1)	ND(0.5)	26.7

TABLE 7.
SUMMARY OF LABORATORY ANALYSES OF SOIL VAPOR SAMPLES,
DOWELL SCHLUMBERGER INCORPORATED, ARTESIA, NEW MEXICO

SVE ZONE	SAMPLE DATE	BENZENE (ug/L)	ETHYL-BENZENE (ug/L)	TOLUENE (ug/L)	XYLENES (ug/L)	1,1-DCA (ug/L)	1,2-DCA (ug/L)	1,1-DCE (ug/L)	1,1,1-TCA (ug/L)	1,1,2-TCA (ug/L)	TCE (ug/L)	PCE (ug/L)	2-BUTANONE (ug/L)
WB-3	02/03/94	5.5	22	78	153	1.2	ND(0.5)	2.8	26	ND(0.5)	ND(0.5)	5.2	ND(2)
	02/10/94	ND(1)	13.6	64.6	46.9	ND(2)	ND(2)	ND(2)	11.4	ND(2)	ND(2)	ND(2)	31.33
	02/16/94	ND(1)	ND(1)	25.7	44.5	ND(2)	ND(2)	ND(2)	11	ND(2)	ND(2)	ND(1)	ND(2)
	02/23/94	3.5	17.5	73.2	89.1	ND(1)	ND(1)	ND(1)	19.3	ND(1)	ND(1)	1.6	ND(1)
	03/04/94	2.1	10.6	44.9	60.9	ND(1)	ND(1)	ND(1)	14.7	ND(1)	ND(1)	ND(0.5)	ND(1)
	03/11/94	ND(0.5)	13.3	ND(0.5)	14.3	ND(1)	ND(1)	ND(1)	17.9	ND(1)	ND(1)	ND(0.5)	3.8
	03/18/94	ND(0.5)	10.1	38.3	57.2	ND(1)	ND(1)	ND(1)	11	ND(1)	ND(1)	ND(0.5)	46.4
	03/28/94	1.2	5.7	21.4	30.8	ND(1)	ND(1)	ND(1)	8.1	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/08/94	ND(0.5)	1.5	2.4	9.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.5)	ND(1)
	04/20/94	ND(0.5)	10.6	27.6	31.8	ND(0.5)	ND(0.5)	ND(1)	11.1	ND(0.5)	ND(0.5)	ND(0.5)	13.3
	05/06/94	ND(0.5)	6.8	17.5	36.9	ND(0.5)	ND(0.5)	ND(1)	6	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	05/18/94	ND(0.5)	6.2	6.1	43.9	ND(0.5)	ND(0.5)	ND(1)	1.9	ND(0.5)	ND(0.5)	ND(0.5)	ND(10)
	06/01/94	ND(1)	4	7	34	ND(1)	ND(1)	ND(1)	3	ND(1)	ND(1)	ND(1)	ND(1)
	07/06/94	ND(1)	11	22	73	ND(1)	ND(1)	ND(1)	4	ND(1)	ND(1)	ND(1)	ND(1)
	08/10/94	ND(0.001)	1.349	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)
	08/07/94	ND(0.001)		2.903	10.32	ND(0.001)	ND(0.001)	ND(0.001)	0.156	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)

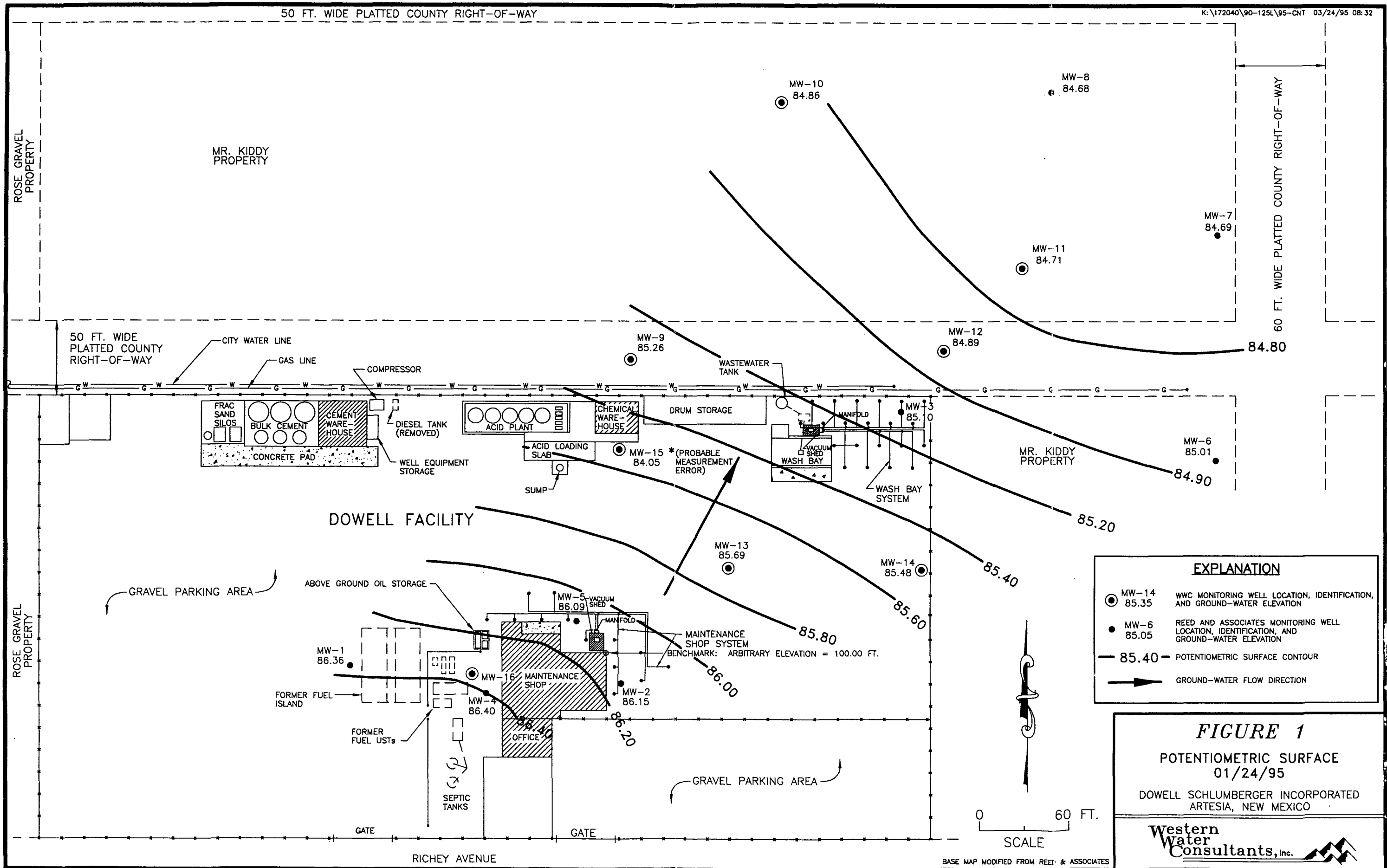
NOTES:

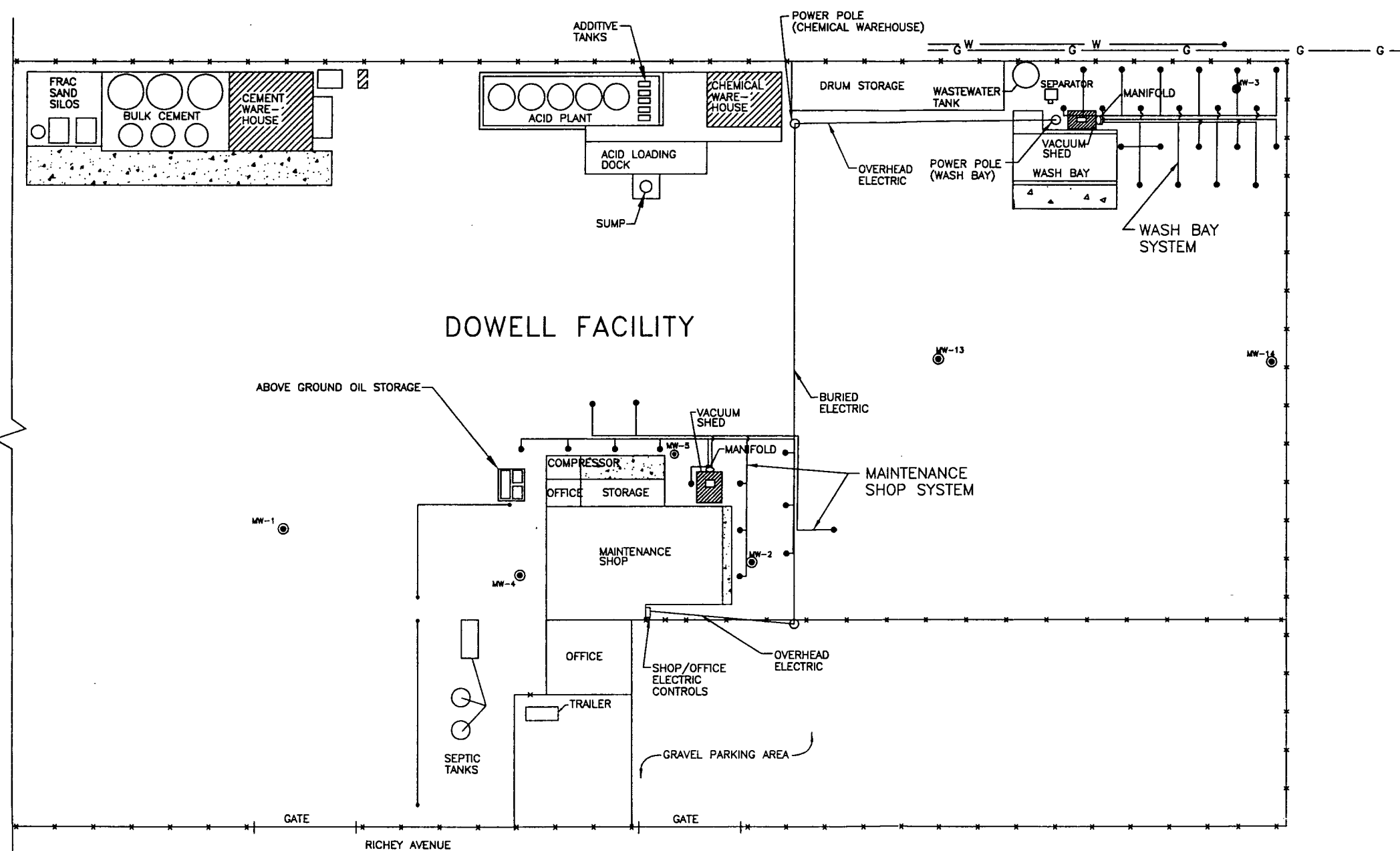
ND(1) = chemical not detected at detection limit
shown in parentheses
dup. = duplicate sample
* = minor amounts of other chemicals also detected
(see previous laboratory reports)
= minor amounts of other chemicals also detected
(see laboratory reports appended to this letter)
NA = not analyzed

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

50 FT. WIDE PLATTED COUNTY RIGHT-OF-WAY

K:\172040\90-125L\95-CNT 03/24/95 08:32





EXPLANATION

- MW-13 WWC MONITORING WELL LOCATION AND IDENTIFICATION
- SOIL VAPOR EXTRACTION (SVE) WELL
- AIR PIPING WITH DIRECTION OF FLOW

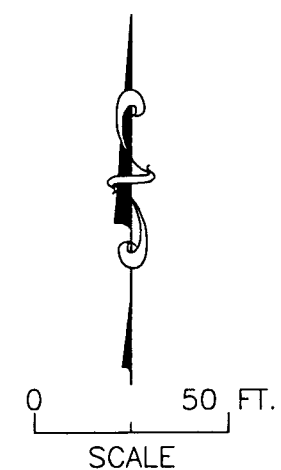


FIGURE 2
LOCATION OF SVE SYSTEMS
DOWELL SCHLUMBERGER INCORPORATED
ARTESIA, NEW MEXICO

Western
Water
Consultants, Inc.

**TABLE 1. GROUND-WATER MEASUREMENTS AND ELEVATIONS,
DOWELL SCHLUMBERGER INCORPORATED, ARTESIA, NEW MEXICO.**

WELL #	DATE	DEPTH TO GROUND WATER (ft)	MEASURING POINT ELEVATION* (ft)	GROUND-WATER ELEVATION* (ft)
MW-1	01/23/91	17.41	100.56	83.15
	09/13/91	16.04		84.52
	11/22/91	14.50		86.06
	03/16/93	13.72		86.84
	01/09/94	14.62		85.94
	04/19/94	14.48		86.08
	07/20/94	14.38		86.18
	10/24/94	14.73		85.83
	01/24/95	14.20		86.36
MW-2	01/23/91	16.95	99.56	82.61
	09/13/91	15.01		84.55
	11/22/91	13.76		85.80
	03/16/93	13.16		86.40
	01/09/94	13.91		85.65
	04/19/94	13.80		85.76
	07/20/94	13.65		85.91
	10/24/94	13.88		85.68
	01/24/95	13.41		86.15
MW-3	01/23/91	17.28	98.33	81.05
	09/13/91	14.66		83.67
	11/22/91	13.63		84.70
	03/16/93	12.89		85.44
	01/09/94	13.66		84.67
	04/19/94	NM		NM
	07/20/94	13.18		85.15
	10/24/94	13.27		85.06
	01/24/95	13.23		85.10
MW-4	01/23/91	20.17	103.18	83.01
	09/13/91	18.54		84.64
	11/22/91	17.15		86.03
	03/16/93	16.49		86.69
	01/09/94	17.28		85.90
	04/19/94	17.15		86.03
	07/20/94	16.99		86.19
	10/24/94	17.25		85.93
	01/24/95	16.78		86.40
MW-5	01/23/91	17.20	99.87	82.67
	09/13/91	15.52		84.35
	11/22/91	14.19		85.68
	03/16/93	13.47		86.40
	01/09/94	14.31		85.56
	04/19/94	14.17		85.70
	07/20/94	13.97		85.90
	10/24/94	14.21		85.66
	01/24/95	13.78		86.09
MW-6	01/23/91	19.59	100.84	81.25
	09/13/91	17.43		83.41
	11/21/91	16.30		84.54
	03/16/93	15.57		85.27
	01/09/94	16.42		84.42
	04/19/94	16.29		84.55
	07/19/94	15.79		85.05
	10/24/94	15.83		85.01
	01/24/95	15.94		84.90

**TABLE 1. GROUND-WATER MEASUREMENTS AND ELEVATIONS,
DOWELL SCHLUMBERGER INCORPORATED, ARTESIA, NEW MEXICO.**

WELL #	DATE	DEPTH TO GROUND WATER (ft)	MEASURING POINT ELEVATION* (ft)	GROUND-WATER ELEVATION* (ft)
MW-7	01/23/91	19.01	100.23	81.22
	09/13/91	17.43		82.80
	11/21/91	16.00		84.23
	03/16/93	14.91		85.32
	01/09/94	15.99		84.24
	04/19/94	15.83		84.40
	07/19/94	15.24		84.99
	10/24/94	15.32		84.91
	01/24/95	15.54		84.69
MW-8	01/23/91	20.16	101.47	81.31
	09/13/91	18.80		82.67
	11/21/91	17.29		84.18
	03/16/93	16.03		85.44
	01/09/94	17.23		84.24
	04/19/94	17.05		84.42
	07/19/94	16.50		84.97
	10/24/94	16.56		84.91
	01/24/95	16.79		84.68
MW-9	01/26/91	20.08	102.18	82.10
	09/13/91	18.93		83.25
	11/21/91	17.35		84.83
	03/16/93	16.19		85.99
	01/09/94	17.31		84.87
	04/19/94	17.33		84.85
	07/19/94	16.85		85.33
	10/24/94	17.05		85.13
	01/24/95	16.92		85.26
MW-10	01/26/91	19.68	101.34	81.66
	09/13/91	18.56		82.78
	11/21/91	16.96		84.38
	03/16/93	15.64		85.70
	01/09/94	16.89		84.45
	04/19/94	16.73		84.61
	07/19/94	16.29		85.05
	10/24/94	16.39		84.95
	01/24/95	16.48		84.86
MW-11	01/26/91	19.27	100.60	81.33
	09/13/91	17.81		82.79
	11/21/91	16.35		84.25
	03/16/93	15.20		85.40
	01/09/94	16.31		84.29
	04/19/94	16.17		84.43
	07/19/94	15.63		84.97
	10/24/94	15.72		84.88
	01/24/95	15.89		84.71
MW-12	01/26/91	19.24	100.69	81.45
	09/13/91	17.59		83.10
	11/21/91	16.21		84.48
	03/16/93	15.22		85.47
	01/09/94	16.25		84.44
	04/19/94	16.13		84.56
	07/19/94	15.63		85.06
	10/24/94	15.73		84.96
	01/24/95	15.80		84.89

**TABLE 1. GROUND-WATER MEASUREMENTS AND ELEVATIONS,
DOWELL SCHLUMBERGER INCORPORATED, ARTESIA, NEW MEXICO.**

WELL #	DATE	DEPTH TO GROUND WATER (ft)	MEASURING POINT ELEVATION* (ft)	GROUND-WATER ELEVATION* (ft)
MW-13	09/13/91	15.10	99.25	84.15
	11/21/91	13.95		85.30
	03/16/93	13.22		86.03
	01/09/94	14.03		85.22
	04/19/94	13.90		85.35
	07/20/94	13.70		85.55
	10/24/94	13.86		85.39
	01/24/95	13.56		85.69
MW-14	09/13/91	14.60	98.74	84.14
	11/21/91	13.61		85.13
	03/16/93	13.00		85.74
	01/09/94	13.71		85.03
	04/19/94	13.63		85.11
	07/20/94	13.39		85.35
	10/24/94	13.48		85.26
	01/25/95	13.26		85.48
MW-15	09/13/91	16.30	100.05	83.75
	11/21/91	15.01		85.04
	03/16/93	13.95		86.10
	01/09/94	14.91		85.14
	04/19/94	14.80		85.25
	07/20/94	14.56		85.49
	10/24/94	14.73		85.32
	01/24/95	16.00		84.05
**				

NOTES:

* = 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.

NM = not measured

TABLE 2. RESULTS FROM LABORATORY ANALYSES OF GROUND-WATER SAMPLES, DOWELL SCHLUMBERGER INC. FACILITY, ARTESIA, NEW MEXICO

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL-BENZENE (mg/L)	TOLUENE (mg/L)	XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,1,1-TCA (mg/L)	1,1,2-TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	ACETONE (mg/L)
MW-1	01/26/91	0.033	ND(0.005)	0.029	0.13	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
	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)
	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)
	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)
	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)
dup.	04/19/94	0.035	0.0014	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)
	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)
	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)
	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)
MW-2	01/26/91	0.21	0.59	0.071	1.7	0.048	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.11	ND(0.1)
	01/26/91	0.19	0.45	0.062	1.3	0.043	ND(0.01)	ND(0.01)	0.011	ND(0.01)	ND(0.01)	0.078	ND(0.1)
	09/15/91	0.12	0.05	0.006	0.69	0.1	ND(0.005)	0.005	0.023	ND(0.005)	ND(0.005)	0.15	ND(0.05)
	11/22/91	0.033	0.001	0.001	0.088	0.11	ND(0.001)	0.007	0.016	ND(0.001)	ND(0.001)	0.064	ND(0.01)
	03/16/93	0.019	ND(0.001)	ND(0.001)	ND(0.005)	0.06	ND(0.001)	0.002	0.003	ND(0.001)	ND(0.001)	0.028	ND(0.01)
dup.	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)	0.0014	0.079	ND(0.01)
	04/19/94	0.045	0.0044	ND(0.005)	ND(0.005)	0.028	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0014	0.048	ND(0.1)
	04/19/94	0.043	0.0054	ND(0.005)	ND(0.005)	0.03	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0014	0.052	ND(0.1)
	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(0.1)
	10/25/94	0.045	0.008	ND(0.005)	ND(0.005)	0.03	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.0014	0.037	ND(0.1)
MW-3	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(0.1)
	01/26/91	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/15/91	0.2	1.2	1.2	14	ND(0.2)	ND(0.2)	ND(0.2)	0.33	ND(0.2)	ND(0.2)	ND(0.2)	3.7
	11/22/91	0.11	0.68	0.53	6.8	0.084	0.004	0.19	0.11	0.0024	0.15	0.057	0.811
dup.	03/16/93	ND(0.001)	1	0.65	8.6	ND(0.001)	ND(0.001)	ND(0.001)	0.26	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
	03/16/93	0.13	0.78	0.54	9	ND(0.001)	ND(0.001)	0.044	0.26	ND(0.001)	0.037	0.33	0.22
	07/01/93	0.14	1	0.52	9.1	0.14	ND(0.05)	ND(0.05)	0.16	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.5)
	01/10/94	0.14	1	0.7	11	0.19	ND(0.1)	ND(0.1)	0.21	ND(0.1)	ND(0.1)	ND(0.1)	ND(1)
	04/19/94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
*	07/20/94	0.092	0.46	0.16	3	0.077	0.0024	0.036	0.069	ND(0.005)	0.064	0.011	0.0484
	10/25/94	0.13	0.96	0.25	4.2	0.2	ND(0.05)	0.064	ND(0.05)	ND(0.05)	0.13	0.214	ND(0.1)
	10/25/94	0.11	0.83	0.3	4.7	0.18	ND(0.05)	0.051	ND(0.05)	ND(0.05)	0.1	0.0244	ND(0.1)
	01/25/95	ND(1)	0.814	ND(1)	7.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)
MW-4	01/26/91	0.098	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(0.01)
	09/15/91	0.26	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(0.02)
	11/22/91	0.18	0.1	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(0.01)
	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(0.01)
	01/10/94	0.064	0.074	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(0.01)
dup.	04/19/94	0.074	0.085	ND(0.005)	0.0034	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
	07/20/94	0.1	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(0.1)
	10/25/94	0.14	0.26	ND(0.005)	0.0044	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.005	ND(0.1)
	01/25/95	0.15	0.4	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(0.1)

TABLE 2.
RESULTS FROM LABORATORY ANALYSES OF GROUND-WATER SAMPLES,
DOWELL SCHLUMBERGER INC. FACILITY, ARTESIA, NEW MEXICO

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL- BENZENE (mg/L)	TOLUENE (mg/L)	XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,1,1- TCA (mg/L)	1,1,2- TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	ACETONE (mg/L)
MW-5	01/26/91	0.014	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.002	0.001	ND(0.001)	ND(0.001)	0.01	ND(0.01)
	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(0.01)
	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(0.01)
	03/16/93	0.078	0.007	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.003	ND(0.001)	ND(0.001)	0.001	0.026	ND(0.01)
	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)	0.015	ND(0.01)
dup.	04/19/94	0.07	0.011	ND(0.005)	ND(0.005)	0.008	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.002J	0.025	ND(0.1)
	07/20/94	0.22	0.041	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	0.039	ND(0.1)
	07/20/94	0.32	0.076	ND(0.005)	0.001J	0.026	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.006	0.039	ND(0.1)
	10/25/94	0.24	0.059	ND(0.005)	ND(0.005)	0.02	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.008J	0.043	ND(0.1)
	01/25/95	0.46	0.13	ND(0.005)	ND(0.005)	0.023	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.018	0.093	ND(0.1)
MW-6	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.007	ND(0.001)	0.17	0.007	ND(0.001)	ND(0.001)	0.083	ND(0.01)
	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)	ND(0.001)	0.043	ND(0.01)
	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)	ND(0.001)	0.035	ND(0.01)
	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)	ND(0.001)	0.086	ND(0.01)
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.14	0.002	ND(0.001)	ND(0.001)	0.12	ND(0.01)
dup.	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.07	0.001J	ND(0.005)	ND(0.005)	0.072	ND(0.1)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009	ND(0.005)	0.098	0.001J	ND(0.005)	ND(0.005)	0.065	ND(0.1)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.11	0.001J	ND(0.005)	ND(0.005)	0.073	ND(0.1)
	10/25/94	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)	ND(0.005)	0.059	ND(0.1)
	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)	ND(0.005)	0.057	ND(0.1)
MW-7	01/26/91	0.006	ND(0.001)	ND(0.001)	ND(0.005)	0.021	ND(0.001)	0.26	0.01	ND(0.001)	0.068	0.2	ND(0.01)
	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.038	ND(0.001)	0.32	0.005	ND(0.001)	0.069	0.27	ND(0.01)
	09/15/91	0.009	ND(0.001)	ND(0.001)	ND(0.005)	0.034	ND(0.001)	0.31	0.006	ND(0.001)	0.069	0.28	ND(0.01)
	11/22/91	0.009	ND(0.005)	ND(0.005)	ND(0.025)	0.035	ND(0.005)	0.36	ND(0.005)	ND(0.001)	0.053	0.31	ND(0.05)
	03/16/93	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.027	ND(0.001)	0.28	0.002	ND(0.001)	0.05	0.16	ND(0.01)
dup.	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.023	ND(0.001)	0.21	0.004	ND(0.001)	0.046	0.16	ND(0.01)
	04/19/94	0.007J	ND(0.005)	ND(0.005)	ND(0.005)	0.021	ND(0.005)	0.12	0.003J	ND(0.005)	0.038	0.12	ND(0.1)
	07/20/94	0.006	ND(0.005)	ND(0.005)	ND(0.005)	0.018	ND(0.005)	0.22	0.003J	ND(0.005)	0.04	0.16	ND(0.1)
	10/25/94	0.007	ND(0.005)	ND(0.005)	ND(0.005)	0.033	ND(0.005)	0.23	ND(0.005)	ND(0.005)	0.05	0.24	ND(0.1)
	10/25/94	0.006J	ND(0.025)	ND(0.025)	ND(0.025)	0.026	ND(0.025)	0.2	ND(0.025)	ND(0.025)	0.045	0.23	ND(0.1)
dup.	01/25/95	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.21	0.002J	ND(0.005)	0.041	0.33	ND(0.1)
MW-8	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	0.005	ND(0.001)	ND(0.001)	0.015	0.004	ND(0.001)	0.001	0.003	ND(0.01)
	09/15/91	0.007	ND(0.001)	ND(0.001)	ND(0.005)	0.017	ND(0.001)	0.101	0.007	ND(0.001)	0.039	0.05	ND(0.01)
	11/22/91	0.004	ND(0.001)	ND(0.001)	ND(0.005)	0.02	ND(0.001)	0.087	0.003	ND(0.001)	0.045	0.063	ND(0.01)
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.005	ND(0.001)	0.006	0.069	ND(0.01)
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.004	ND(0.001)	0.054	0.004	ND(0.001)	0.006	0.006	ND(0.01)
dup.	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.005	ND(0.001)	0.073	0.004	ND(0.001)	0.008	0.01	ND(0.01)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.039	0.004J	ND(0.005)	0.004J	0.007	ND(0.1)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.004J	ND(0.005)	0.069	0.005	ND(0.005)	0.006	0.011	ND(0.1)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.008	ND(0.005)	0.082	ND(0.005)	ND(0.005)	0.01	0.019	ND(0.1)
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.007	ND(0.005)	0.076	0.006	ND(0.005)	0.011	0.022	ND(0.1)

TABLE 2.
RESULTS FROM LABORATORY ANALYSES OF GROUND-WATER SAMPLES,
DOWELL SCHLUMBERGER INC. FACILITY, ARTESIA, NEW MEXICO

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL- BENZENE (mg/L)	TOLUENE (mg/L)	XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,1,1- TCA (mg/L)	1,1,2- TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	ACETONE (mg/L)
MW-9	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.022	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001	ND(0.01)
	09/15/91	0.002	0.032	ND(0.001)	ND(0.005)	0.035	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.019
	11/22/91	0.004	0.17	ND(0.001)	ND(0.005)	0.028	ND(0.001)	0.002	ND(0.001)	ND(0.001)	ND(0.001)	0.001	0.014
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.012	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
	01/10/94	ND(0.001)	ND(0.001)	0.002	ND(0.005)	0.012	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.01	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	0.001J	0.017	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.009J
MW-10	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.014	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
	01/26/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.004	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	0.017
	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.012	0.002	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.028	0.005	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
	03/16/93	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.025	0.001	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.01)
	01/10/94	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.001)	ND(0.001)	0.021	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.1)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.022	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
MW-11	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.052	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
	10/25/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.051	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.042	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.057	0.005	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.1)
	01/26/91	0.01	ND(0.005)	ND(0.005)	ND(0.025)	0.045	ND(0.005)	0.31	ND(0.005)	ND(0.005)	0.14	0.36	ND(0.05)
	09/15/91	0.056	ND(0.001)	ND(0.001)	ND(0.005)	0.068	ND(0.001)	0.47	0.017	ND(0.001)	0.12	0.33	ND(0.01)
	11/22/91	0.048	ND(0.001)	ND(0.001)	ND(0.005)	0.052	ND(0.001)	0.39	0.018	ND(0.001)	0.11	0.32	ND(0.01)
MW-12	03/16/93	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.04	ND(0.001)	0.22	0.004	ND(0.001)	0.074	0.16	ND(0.01)
	01/10/94	0.005	ND(0.001)	ND(0.001)	ND(0.005)	0.042	ND(0.001)	0.25	ND(0.001)	ND(0.001)	0.083	0.32	ND(0.01)
	04/19/94	0.009	ND(0.005)	0.002J	ND(0.005)	0.042	ND(0.005)	0.17	0.006	ND(0.005)	0.079	0.17	ND(0.1)
	07/20/94	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	0.057	ND(0.025)	0.46	0.01J	ND(0.025)	0.12	0.36	ND(0.5)
	10/25/94	0.009	ND(0.005)	ND(0.005)	ND(0.005)	0.067	0.001J	0.22	ND(0.005)	ND(0.005)	0.11	0.3	ND(0.1)
	01/25/95	0.012	ND(0.005)	ND(0.005)	ND(0.005)	0.072	ND(0.005)	0.24	0.014	ND(0.005)	0.12	0.36	0.013J
	01/26/91	0.26	0.95	0.23	4.5	0.14	ND(0.025)	0.3	0.057	ND(0.025)	0.073	0.042	2.2
dup.	09/15/91	0.15	0.62	0.63	2.2	0.12	ND(0.001)	0.3	0.11	ND(0.001)	0.2	0.061	0.29
	11/22/91	0.11	0.43	0.034	0.81	0.11	0.002	0.24	0.1	ND(0.001)	0.26	0.051	0.056
	03/16/93	0.16	0.8	0.014	1.0	0.12	ND(0.001)	0.039	0.055	ND(0.001)	0.036	0.018	0.017
	01/10/94	0.16	0.87	0.026	0.99	0.15	ND(0.01)	0.075	0.053	ND(0.01)	0.07	0.024	ND(0.1)
	04/19/94	0.11	0.11	0.049	0.25	0.11	0.002J	0.064	0.065	ND(0.005)	0.073	0.033	ND(0.1)
	07/20/94	0.16	0.72	0.071	0.61	0.15	ND(0.025)	0.073	0.075	ND(0.025)	0.086	0.022J	ND(0.5)
	10/25/94	0.096	0.66	ND(0.025)	0.1	0.16	ND(0.025)	0.085	ND(0.025)	ND(0.025)	0.12	0.015J	ND(0.1)
#	01/25/95	0.16	0.68	0.089	0.66	0.19	ND(0.005)	0.12	0.095	ND(0.005)	0.076	0.069	0.008J
	01/25/95	0.14	0.85	0.075	0.86	0.15	ND(0.005)	0.09	0.075	ND(0.005)	0.062	0.053	ND(0.1)

TABLE 2. RESULTS FROM LABORATORY ANALYSES OF GROUND-WATER SAMPLES,
DOWELL SCHLUMBERGER INC. FACILITY, ARTESIA, NEW MEXICO

WELL NUMBER	SAMPLE DATE	BENZENE (mg/L)	ETHYL- BENZENE (mg/L)	TOLUENE (mg/L)	XYLENES (mg/L)	1,1-DCA (mg/L)	1,2-DCA (mg/L)	1,1-DCE (mg/L)	1,1,1- TCA (mg/L)	1,1,2- TCA (mg/L)	TCE (mg/L)	PCE (mg/L)	ACETONE (mg/L)
MW-13	09/15/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.03	0.002	0.038	0.005	ND(0.001)	0.004	0.24	ND(0.01)
	11/22/91	0.43	ND(0.001)	ND(0.001)	ND(0.005)	0.016	0.001	0.025	0.002	ND(0.001)	0.002	0.11	ND(0.01)
	03/16/93	0.033	ND(0.001)	ND(0.001)	ND(0.005)	0.013	ND(0.001)	0.014	ND(0.001)	ND(0.001)	0.002	0.062	ND(0.01)
dup.	03/16/93	0.034	ND(0.001)	ND(0.001)	ND(0.005)	0.013	0.001	0.015	ND(0.001)	ND(0.001)	0.002	0.066	ND(0.01)
	01/10/94	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.016	ND(0.001)	0.007	ND(0.001)	ND(0.001)	0.003	0.055	ND(0.01)
	04/19/94	0.013	ND(0.005)	ND(0.005)	ND(0.005)	0.011	0.001J	0.003J	ND(0.005)	ND(0.005)	0.003J	0.032	ND(0.1)
	07/20/94	0.016	ND(0.005)	ND(0.005)	ND(0.005)	0.016	0.001J	0.005J	ND(0.005)	ND(0.005)	0.004J	0.034	ND(0.1)
	10/25/94	0.011	ND(0.005)	ND(0.005)	ND(0.005)	0.013	ND(0.005)	0.004J	ND(0.005)	ND(0.005)	0.004J	0.04	ND(0.1)
	01/22/95	0.008	ND(0.005)	ND(0.005)	ND(0.005)	0.015	ND(0.005)	0.002J	ND(0.005)	ND(0.005)	0.005	0.029	ND(0.1)
MW-14	09/15/91	0.022	ND(0.001)	ND(0.001)	ND(0.005)	0.13	0.002	0.3	0.014	0.001	0.002	0.46	ND(0.01)
	11/22/91	0.002	ND(0.001)	ND(0.001)	ND(0.005)	0.14	0.002	0.31	0.009	ND(0.001)	0.002	0.4	ND(0.01)
dup.	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.11	0.002	0.32	0.01	ND(0.001)	ND(0.001)	0.44	ND(0.01)
	03/16/93	0.02	ND(0.001)	ND(0.001)	ND(0.005)	0.08	0.001	0.18	0.004	ND(0.001)	0.002	0.21	ND(0.01)
	01/10/94	0.011	ND(0.001)	ND(0.001)	ND(0.005)	0.057	ND(0.001)	0.1	ND(0.001)	ND(0.001)	0.002	0.3	0.01
	04/19/94	0.005	ND(0.005)	ND(0.005)	ND(0.005)	0.058	ND(0.005)	0.056	0.001J	ND(0.005)	ND(0.005)	0.16	ND(0.1)
	07/20/94	0.01J	ND(0.025)	ND(0.025)	ND(0.025)	0.072	ND(0.025)	0.11	ND(0.025)	ND(0.025)	ND(0.025)	0.21	ND(0.5)
	10/25/94	0.01	ND(0.005)	ND(0.005)	ND(0.005)	0.079	0.001J	0.094	ND(0.005)	ND(0.005)	ND(0.005)	0.23	ND(0.1)
	01/25/95	0.004J	ND(0.005)	ND(0.005)	ND(0.005)	0.083	ND(0.005)	0.07	ND(0.005)	ND(0.005)	ND(0.005)	0.022	ND(0.1)
MW-15	09/15/91	0.002	0.01	ND(0.001)	0.006	0.026	0.001	0.005	ND(0.001)	ND(0.001)	ND(0.001)	0.004	0.024
	11/22/91	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	0.033	0.001	0.008	ND(0.001)	ND(0.001)	0.003	0.006	ND(0.01)
*	03/16/93	0.001	0.002	ND(0.001)	ND(0.005)	0.082	0.001	0.013	ND(0.001)	ND(0.001)	0.006	0.009	ND(0.01)
	01/10/94	ND(0.001)	0.008	ND(0.001)	ND(0.005)	0.048	ND(0.001)	0.008	ND(0.001)	ND(0.001)	0.004	0.013	ND(0.01)
dup.	01/10/94	0.001	0.009	0.002	ND(0.005)	0.054	ND(0.001)	0.01	ND(0.001)	ND(0.001)	0.004	0.015	ND(0.01)
	04/19/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.005J	ND(0.005)	ND(0.005)	0.003J	0.008	ND(0.1)
	07/20/94	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.049	0.001J	0.006	ND(0.005)	ND(0.005)	0.004J	0.005	ND(0.1)
	10/25/94	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	0.029	ND(0.005)	0.006	ND(0.005)	ND(0.005)	0.004J	0.006	ND(0.1)
	01/25/95	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	0.027	ND(0.005)	0.006	ND(0.005)	ND(0.005)	0.005	0.008	ND(0.1)

NOTES:

ND(0.001) = chemical not detected at detection limit
shown in parentheses
dup. = duplicate sample
* = minor amounts of other chemicals also detected
(see previous laboratory reports)
= minor amounts of other chemicals also detected
(see laboratory reports appended to this letter)
NA = not analyzed

CHEMICAL ABBREVIATIONS:

TPH = total petroleum hydrocarbons
1,1-DCA = 1,1-dichloroethane
1,2-DCA = 1,2-dichloroethane
1,1-DCE = 1,1-dichloroethane
1,1,1-TCA = 1,1,1-trichloroethane
1,1,2-TCA = 1,1,2-trichloroethane
TCE = trichloroethene
PCE = tetrachloroethene

TABLE 3
OPERATIONAL CONDITIONS
MAINTENANCE SHOP SVE SYSTEM
DOWELL SCHLUMBERGER INCORPORATED
ARTESIA, NEW MEXICO

DATE	HOUR METER	VACUUM (INCHES OF WATER)			
		ZONE 1 MANIFOLD	ZONE 1 BLOWER	ZONE 2 MANIFOLD	ZONE 2 BLOWER
01/31/94	0.0				
02/01/94	5.1	44	48	48	50
02/02/94	23.2			48	50
02/03/94	47.8			41	46
02/10/94	219.4			43	45
02/16/94	362.1	30	35		
02/23/94	531.0			37	41
03/04/94	748.6	27	32		
03/11/94	915.3			37	41
03/18/94	1086.1	28	33		
03/28/94	1325.8	29	34		
04/08/94	1583.0			38	42
04/19/94	1857.6	31	36	33	38
05/06/94	2256.0	46	48	48	50
05/18/94				47	49
06/01/94				51	53
06/16/94	3099.9	49	52	48	51
07/06/94	3100.1	50	52	47	49
07/21/94	3457.6	44	49	52	54
08/09/94	3899.9	51	54	49	52
08/07/94	4093.7	48	50	48	49
09/30/94	4647.1	52	54	49	51
10/11/94	4911.1	53	55	48	51
11/03/94	5445.6	58	60	54	57
12/05/94	6204.9	57	62	57	61
01/25/95	7397	59	62	54	60

TABLE 4
OPERATIONAL CONDITIONS
WASH BAY SVE SYSTEM
DOWELL SCHLUMBERGER INCORPORATED
ARTESIA, NEW MEXICO

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	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						
03/28/94	1322.8	32	36		33	37	
04/08/94	1581.2				32	36	
04/19/94	1855.2	31	34		33	36	35
05/06/94	2253.8	41	44		45	46	43
05/18/94							43
06/01/94		44	44				
06/16/94	3241.2	44	45		46	47	46
07/06/94	3712.1	43	44		44	45	45
07/21/94	3858.3	43	45		48	48	50
08/09/94	3859.7	43	44		45	46	45
09/07/94	4519.5	44	45		46	47	
09/30/94	5073.4	44	47		44	46	49
10/11/94	5328.8	48	50		41	44	48
11/03/94	5864.3	39	43		57	58	58
12/05/94	6546.8	57	58		57	58	58
01/25/95	7738	45	50		58	58	60

TABLE 5 VOLATILE ORGANIC COMPOUNDS
MAINTENANCE SHOP SVE SYSTEM
DOWELL SCHLUMBERGER INCORPORATED
ARTESIA, NEW MEXICO

DATE	HOUR METER	HNu READING (PPM)		
		EXHAUST	ZONE 1	ZONE 2
02/03/94	47.8	0	4	35
02/10/94	219.4	0	1	12
02/16/94	362.1	0	1	6
02/23/94	531.0	3	3	8
03/04/94	748.6	0	1	6
03/11/94	915.3	3	3	7
03/18/94	1086.1	0	0	2
03/28/94	1325.8	0	0	2
04/08/94	1583.0	0	0	3.5
05/18/94		0		
07/06/94	3100.1	0	0	0
07/21/94	3457.6	0	0	0
08/09/94	3899.9	0	0	1
09/06/94	4093.7	0	0	1
09/30/94	4647.1	0	0.5	1
10/11/94	4911.1	3	1.8	1
11/03/94	5445.6	22	4.5	6.3
12/05/94	6204.9	4	2	5
01/25/95	7397	110		50

TABLE 6 VOLATILE ORGANIC COMPOUNDS
WASH BAY SVE SYSTEM
DOWELL SCHLUMBERGER INCORPORATED
ARTESIA, NEW MEXICO

DATE	HOUR METER	HNu READING (PPM)			
		EXHAUST	ZONE 1	ZONE 2	ZONE 3
02/03/94	45.3	2	84	110	180
02/10/94	217.7	0	56	69	137
02/16/94	359.7	0	23	37	133
02/23/94	528.5	3	22	54	118
03/04/94	746.2	3	42	46	91
03/11/94	912.0	7	44	42	93
03/18/94	1083.9	40	33	44	77
03/28/94	1322.8	18	26	13	21
04/08/94	1581.2	7	29	39	67
05/18/94		0			
07/06/94	3712.1	1	24	66	135
07/21/94	3858.3	0	110	48	71
08/09/94	3859.7	1	31	67	126
09/06/94	4519.5	0	29	40	79
09/30/94	5073.4	44	33/51	69/133	95/161
10/11/94	5328.8	7	43	78	118
11/03/94	5864.3	8	151	434	745
12/05/94	6546.8	4	30	152	240
01/25/95	7738	2000	35		220

TABLE 7: Air Sample Data from SVE Dowell Facility, Artesia, N.M.

SAMPLE ID	DATE SAMPLED	SAMPLE LOCATION	1,1-DCE (ppm)	1,1-DCA (ppm)	CHLOROFORM (ppm)	1,1,1-TCA (ppm)	BENZENE (ppm)	CARBON TETRACHLORIDE (ppm)	TOLUENE (ppm)	1,1,2-TCA (ppm)	PCE (ppm)	ETHYL BENZENE (ppm)	XYLENE (ppm)
H1885-1	12/05/95	SHOP, ZONE 1	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.196	ND (0.001)	NT
H1885-2	12/05/95	WASH BAY, ZONE 2	ND (0.001)	ND (0.001)	ND (0.001)	ND (0.001)	0.239	0.284	1.655	ND (0.001)	0.723	2.620	NT
H1885-3	12/05/95	WASH BAY, ZONE 3	0.029	0.059	ND (0.001)	ND (0.001)	0.541	0.510	5.860	ND (0.001)	0.044	0.188	NT
H1885-4	12/05/95	WASH BAY, ZONE 1	ND (0.001)	ND (0.001)	ND (0.001)	0.266	ND (0.001)	ND (0.001)	0.144	ND (0.001)	ND (0.04)	0.69	10.67
H1939-1	01/25/95	WASH BAY, ZONE 2	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.91	ND (0.04)	0.37	2.75	23.23
H1939-2	01/25/95	WASH BAY, ZONE 3	ND (0.04)	ND (0.04)	ND (0.04)	0.41	0.08	ND (0.04)	4.49	ND (0.04)	0.07	ND (0.04)	0.12
H1939-3	01/25/95	WASH BAY, ZONE 2	ND (0.04)	ND (0.04)	ND (0.04)	0.93	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	1.19
H1939-4	01/25/95	WASH BAY, ZONE 1	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.12	ND (0.04)	ND (0.04)	0.155	1.19

Notes:

DCE=Dichloroethene

DCA=Dichloroethane

TCA=Trichloroethane

PCE=Tetrachloroethene

ppm=parts per million

ND=Not Detected at detection limit shown in parentheses.

NT= Analytical method did not include this chemical.

APPENDIX A

**LABORATORY ANALYTICAL REPORTS
FOR GROUND-WATER SAMPLES**

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0652

SAMPLE IDENTIFICATION: #90125-1.1/95

DATE SAMPLED: 1/25/95

DATE/TIME ANALYZED: 2/4/95 @ 1400

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	BDL
1,1-Dichloroethane	75-34-3	5	BDL
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	25
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0652
SAMPLE IDENTIFICATION: #90125-1.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0653

SAMPLE IDENTIFICATION: #90125-2.1/95

DATE SAMPLED: 1/25/95

DATE/TIME ANALYZED: 2/4/95 @ 1439

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	BDL
1,1-Dichloroethane	75-34-3	5	24
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	57
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	79
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	22

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0653
SAMPLE IDENTIFICATION: #90125-2.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0654
SAMPLE IDENTIFICATION: #90125-3.1/95
DATE SAMPLED: 1/25/95
DATE/TIME ANALYZED: 2/4/95 @ 1518

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	2000	BDL
Bromomethane	74-83-9	2000	BDL
Chloroethane	75-00-3	2000	BDL
Methylene Chloride	75-09-2	1000	BDL
Acetone	67-64-1	2000	BDL
Carbon Disulfide	75-15-0	2000	BDL
1,1-Dichloroethene	75-35-4	1000	BDL
1,1-Dichloroethane	75-34-3	1000	BDL
Total-1,2-Dichloroethene	540-59-0	1000	BDL
Chloroform	67-66-3	1000	BDL
1,2-Dichloroethane	107-06-2	1000	BDL
2-Butanone	78-93-3	2000	BDL
1,1,1-Trichloroethane	71-55-6	1000	BDL
Carbon Tetrachloride	56-23-5	1000	BDL
Bromodichloromethane	75-27-4	1000	BDL
1,2-Dichloropropane	78-87-5	1000	BDL
Cis-1,3-Dichloropropene	10061-01-5	1000	BDL
Trichloroethene	79-01-6	1000	BDL
Dibromochloromethane	124-48-1	1000	BDL
1,1,2-Trichloroethane	79-00-5	1000	BDL
Benzene	71-43-2	1000	BDL
Trans-1,3-Dichloropropene	10061-02-6	1000	BDL
Bromoform	75-25-2	1000	BDL
4-Methyl-2-Pentanone	108-10-1	1000	BDL
2-Hexanone	591-78-6	1000	BDL
Tetrachloroethene	127-18-4	1000	BDL
1,1,2,2-Tetrachloroethane	79-34-5	1000	BDL
Toluene	108-88-3	1000	BDL
Chlorobenzene	108-90-7	1000	BDL
Ethylbenzene	100-41-4	1000	810 J

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0654

SAMPLE IDENTIFICATION: #90125-3.1/95

DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	1000	BDL
Xylenes (Total)	1330-20-7	1000	7100
Vinyl Chloride	75-01-4	2000	BDL
Vinyl Acetate	108-05-4	2000	BDL
2-chloroethyl Vinyl ether	110-75-8	1000	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0655

SAMPLE IDENTIFICATION: #90125-4.1/95

DATE SAMPLED: 1/25/95

DATE/TIME ANALYZED: 2/8/95 @ 2149

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	50	BDL
Bromomethane	74-83-9	50	BDL
Chloroethane	75-00-3	50	BDL
Methylene Chloride	75-09-2	25	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	25	BDL
1,1-Dichloroethane	75-34-3	25	BDL
Total-1,2-Dichloroethene	540-59-0	25	BDL
Chloroform	67-66-3	25	BDL
1,2-Dichloroethane	107-06-2	25	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	25	BDL
Carbon Tetrachloride	56-23-5	25	BDL
Bromodichloromethane	75-27-4	25	BDL
1,2-Dichloropropane	78-87-5	25	BDL
Cis-1,3-Dichloropropene	10061-01-5	25	BDL
Trichloroethene	79-01-6	25	BDL
Dibromochloromethane	124-48-1	25	BDL
1,1,2-Trichloroethane	79-00-5	25	BDL
Benzene	71-43-2	25	150
Trans-1,3-Dichloropropene	10061-02-6	25	BDL
Bromoform	75-25-2	25	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	25	BDL
1,1,2,2-Tetrachloroethane	79-34-5	25	BDL
Toluene	108-88-3	25	BDL
Chlorobenzene	108-90-7	25	BDL
Ethylbenzene	100-41-4	25	400

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0655
SAMPLE IDENTIFICATION: #90125-4.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	25	BDL
Xylenes (Total)	1330-20-7	25	BDL
Vinyl Chloride	75-01-4	50	BDL
Vinyl Acetate	108-05-4	50	BDL
2-chloroethyl Vinyl ether	110-75-8	25	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0656
SAMPLE IDENTIFICATION: #90125-5.1/95
DATE SAMPLED: 1/25/95
DATE/TIME ANALYZED: 2/4/95 @ 1636

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	2 J
1,1-Dichloroethane	75-34-3	5	23
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	18
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	(E)
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	93
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	130

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COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0656
SAMPLE IDENTIFICATION: #90125-5.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.
E = Exceeds the linear range of the instrument.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0656DL
SAMPLE IDENTIFICATION: #90125-5.1/95
DATE SAMPLED: 1/25/95
DATE/TIME ANALYZED: 2/8/95 @ 2231

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	50	BDL
Bromomethane	74-83-9	50	BDL
Chloroethane	75-00-3	50	BDL
Methylene Chloride	75-09-2	25	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	25	BDL
1,1-Dichloroethane	75-34-3	25	28
Total-1,2-Dichloroethene	540-59-0	25	BDL
Chloroform	67-66-3	25	BDL
1,2-Dichloroethane	107-06-2	25	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	25	BDL
Carbon Tetrachloride	56-23-5	25	BDL
Bromodichloromethane	75-27-4	25	BDL
1,2-Dichloropropane	78-87-5	25	BDL
Cis-1,3-Dichloropropene	10061-01-5	25	BDL
Trichloroethene	79-01-6	25	24
Dibromochloromethane	124-48-1	25	BDL
1,1,2-Trichloroethane	79-00-5	25	BDL
Benzene	71-43-2	25	460
Trans-1,3-Dichloropropene	10061-02-6	25	BDL
Bromoform	75-25-2	25	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	25	93
1,1,2,2-Tetrachloroethane	79-34-5	25	BDL
Toluene	108-88-3	25	BDL
Chlorobenzene	108-90-7	25	BDL
Ethylbenzene	100-41-4	25	140

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COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0656DL
SAMPLE IDENTIFICATION: #90125-5.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	25	BDL
Xylenes (Total)	1330-20-7	25	BDL
Vinyl Chloride	75-01-4	50	BDL
Vinyl Acetate	108-05-4	50	BDL
2-chloroethyl Vinyl ether	110-75-8	25	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0657
SAMPLE IDENTIFICATION: #90125-6.1/95
DATE SAMPLED: 1/25/95
DATE/TIME ANALYZED: 2/4/95 @ 1715

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	65
1,1-Dichloroethane	75-34-3	5	12
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	57
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0657
SAMPLE IDENTIFICATION: #90125-6.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0658

SAMPLE IDENTIFICATION: #90125-7.1/95

DATE SAMPLED: 1/25/95

DATE/TIME ANALYZED: 2/4/95 @ 1755

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	210
1,1-Dichloroethane	75-34-3	5	27
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	2 J
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	41
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	5
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	(E)
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0658
SAMPLE IDENTIFICATION: #90125-7.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.
E = Exceeds the linear range of the instrument.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0658DL
SAMPLE IDENTIFICATION: #90125-7.1/95
DATE SAMPLED: 1/25/95
DATE/TIME ANALYZED: 2/6/95 @ 2347

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	20	BDL
Bromomethane	74-83-9	20	BDL
Chloroethane	75-00-3	20	BDL
Methylene Chloride	75-09-2	10	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	10	280
1,1-Dichloroethane	75-34-3	10	38
Total-1,2-Dichloroethene	540-59-0	10	BDL
Chloroform	67-66-3	10	BDL
1,2-Dichloroethane	107-06-2	10	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	10	5 J
Carbon Tetrachloride	56-23-5	10	BDL
Bromodichloromethane	75-27-4	10	BDL
1,2-Dichloropropane	78-87-5	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	10	BDL
Trichloroethene	79-01-6	10	55
Dibromochloromethane	124-48-1	10	BDL
1,1,2-Trichloroethane	79-00-5	10	BDL
Benzene	71-43-2	10	9 J
Trans-1,3-Dichloropropene	10061-02-6	10	BDL
Bromoform	75-25-2	10	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	10	330
1,1,2,2-Tetrachloroethane	79-34-5	10	BDL
Toluene	108-88-3	10	BDL
Chlorobenzene	108-90-7	10	BDL
Ethylbenzene	100-41-4	10	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0658DL

SAMPLE IDENTIFICATION: #90125-7.1/95

DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	10	BDL
Xylenes (Total)	1330-20-7	10	BDL
Vinyl Chloride	75-01-4	20	BDL
Vinyl Acetate	108-05-4	20	BDL
2-chloroethyl Vinyl ether	110-75-8	10	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0659
SAMPLE IDENTIFICATION: #90125-8.1/95
DATE SAMPLED: 1/25/95
DATE/TIME ANALYZED: 2/8/95 @ 2313

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	76
1,1-Dichloroethane	75-34-3	5	7
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	6
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	11
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	22
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0659
SAMPLE IDENTIFICATION: #90125-8.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0660
SAMPLE IDENTIFICATION: #90125-9.1/95
DATE SAMPLED: 1/25/95
DATE/TIME ANALYZED: 2/4/95 @ 1913

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	BDL
1,1-Dichloroethane	75-34-3	5	14
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0660

SAMPLE IDENTIFICATION: #90125-9.1/95

DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0660RR
SAMPLE IDENTIFICATION: #90125-9.1/95
DATE SAMPLED: 1/25/95
DATE/TIME ANALYZED: 2/8/95 @ 2355

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	BDL
1,1-Dichloroethane	75-34-3	5	18
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0660RR
SAMPLE IDENTIFICATION: #90125-9.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0661

SAMPLE IDENTIFICATION: #90125-10.1/95

DATE SAMPLED: 1/25/95

DATE/TIME ANALYZED: 2/4/95 @ 1953

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	42
1,1-Dichloroethane	75-34-3	5	BDL
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0661
SAMPLE IDENTIFICATION: #90125-10.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0661RR

SAMPLE IDENTIFICATION: #90125-10.1/95

DATE SAMPLED: 1/25/95

DATE/TIME ANALYZED: 2/9/95 @ 1148

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	46
1,1-Dichloroethane	75-34-3	5	BDL
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0661RR
SAMPLE IDENTIFICATION: #90125-10.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0662

SAMPLE IDENTIFICATION: #90125-11.1/95

DATE SAMPLED: 1/25/95

DATE/TIME ANALYZED: 2/6/95 @ 2224

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	13 J
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	(E)
1,1-Dichloroethane	75-34-3	5	72
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	14
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	120
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	12
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	(E)
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0662
SAMPLE IDENTIFICATION: #90125-11.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.
E = Exceeds the linear range of the instrument.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0662DL
SAMPLE IDENTIFICATION: #90125-11.1/95
DATE SAMPLED: 1/25/95
DATE/TIME ANALYZED: 2/9/95 @ 1294

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	50	BDL
Bromomethane	74-83-9	50	BDL
Chloroethane	75-00-3	50	BDL
Methylene Chloride	75-09-2	25	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	25	240
1,1-Dichloroethane	75-34-3	25	50
Total-1,2-Dichloroethene	540-59-0	25	BDL
Chloroform	67-66-3	25	BDL
1,2-Dichloroethane	107-06-2	25	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	25	9 J
Carbon Tetrachloride	56-23-5	25	BDL
Bromodichloromethane	75-27-4	25	BDL
1,2-Dichloropropane	78-87-5	25	BDL
Cis-1,3-Dichloropropene	10061-01-5	25	BDL
Trichloroethene	79-01-6	25	86
Dibromochloromethane	124-48-1	25	BDL
1,1,2-Trichloroethane	79-00-5	25	BDL
Benzene	71-43-2	25	8 J
Trans-1,3-Dichloropropene	10061-02-6	25	BDL
Bromoform	75-25-2	25	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	25	360
1,1,2,2-Tetrachloroethane	79-34-5	25	BDL
Toluene	108-88-3	25	BDL
Chlorobenzene	108-90-7	25	BDL
Ethylbenzene	100-41-4	25	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0662DL
SAMPLE IDENTIFICATION: #90125-11.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	25	BDL
Xylenes (Total)	1330-20-7	25	BDL
Vinyl Chloride	75-01-4	50	BDL
Vinyl Acetate	108-05-4	50	BDL
2-chloroethyl Vinyl ether	110-75-8	25	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0663

SAMPLE IDENTIFICATION: #90125-12.1/95

DATE SAMPLED: 1/25/95

DATE/TIME ANALYZED: 2/6/95 @ 1734

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	8 J
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	120
1,1-Dichloroethane	75-34-3	5	190
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	95
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	76
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	160
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	69
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	89
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	(E)

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0663
SAMPLE IDENTIFICATION: #90125-12.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	(E)
Vinyl Chloride	75-01-4	10	4 J
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.
E = Exceeds the linear range of the instrument.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0663DL

SAMPLE IDENTIFICATION: #90125-12.1/95

DATE SAMPLED: 1/25/95

DATE/TIME ANALYZED: 2/9/95 @ 1310

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	100	BDL
Bromomethane	74-83-9	100	BDL
Chloroethane	75-00-3	100	BDL
Methylene Chloride	75-09-2	50	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	50	65
1,1-Dichloroethane	75-34-3	50	130
Total-1,2-Dichloroethene	540-59-0	50	BDL
Chloroform	67-66-3	50	BDL
1,2-Dichloroethane	107-06-2	50	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	50	59
Carbon Tetrachloride	56-23-5	50	BDL
Bromodichloromethane	75-27-4	50	BDL
1,2-Dichloropropane	78-87-5	50	BDL
Cis-1,3-Dichloropropene	10061-01-5	50	BDL
Trichloroethene	79-01-6	50	52
Dibromochloromethane	124-48-1	50	BDL
1,1,2-Trichloroethane	79-00-5	50	BDL
Benzene	71-43-2	50	110
Trans-1,3-Dichloropropene	10061-02-6	50	BDL
Bromoform	75-25-2	50	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	50	39 J
1,1,2,2-Tetrachloroethane	79-34-5	50	BDL
Toluene	108-88-3	50	65
Chlorobenzene	108-90-7	50	BDL
Ethylbenzene	100-41-4	50	680

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0663DL
SAMPLE IDENTIFICATION: #90125-12.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	50	BDL
Xylenes (Total)	1330-20-7	50	660
Vinyl Chloride	75-01-4	100	BDL
Vinyl Acetate	108-05-4	100	BDL
2-chloroethyl Vinyl ether	110-75-8	50	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0664
SAMPLE IDENTIFICATION: #90125-13.1/95
DATE SAMPLED: 1/25/95
DATE/TIME ANALYZED: 2/6/95 @ 1815

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	2 J
1,1-Dichloroethane	75-34-3	5	15
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	5
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	8
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	29
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0664
SAMPLE IDENTIFICATION: #90125-13.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0665

SAMPLE IDENTIFICATION: #90125-14.1/95

DATE SAMPLED: 1/25/95

DATE/TIME ANALYZED: 2/6/95 @ 1857

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	70
1,1-Dichloroethane	75-34-3	5	83
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	4 J
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	220
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0665
SAMPLE IDENTIFICATION: #90125-14.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0666

SAMPLE IDENTIFICATION: #90125-15.1/95

DATE SAMPLED: 1/25/95

DATE/TIME ANALYZED: 2/6/95 @ 1938

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	6
1,1-Dichloroethane	75-34-3	5	27
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	5
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	8
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0666
SAMPLE IDENTIFICATION: #90125-15.1/95
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0667

SAMPLE IDENTIFICATION: #90125-A.1/95 Duplicate MW-10

DATE SAMPLED: 1/25/95

DATE/TIME ANALYZED: 2/6/95 @ 2020

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	57
1,1-Dichloroethane	75-34-3	5	BDL
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	5
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0667
SAMPLE IDENTIFICATION: #90125-A.1/95 Duplicate MW-10
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME:

Western Water Consultants

CENREF PROJECT NUMBER:

PR950122

CENREF SAMPLE NUMBER:

0668

SAMPLE IDENTIFICATION:

#90125-B.1/95 Duplicate WW-12

DATE SAMPLED:

1/25/95

DATE/TIME ANALYZED:

2/6/95 @ 2101

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	90
1,1-Dichloroethane	75-34-3	5	150
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	75
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	62
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	140
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	53
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	75
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	(E)

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0668
SAMPLE IDENTIFICATION: #90125-B.1/95 Duplicate MW-12
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	860
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: E = Exceeds the linear range of the instrument.

COMPANY NAME:

Western Water Consultants

CENREF PROJECT NUMBER:

PR950122

CENREF SAMPLE NUMBER:

0668DL

SAMPLE IDENTIFICATION:

#90125-B.1/95 Duplicate MW-12

DATE SAMPLED:

1/25/95

DATE/TIME ANALYZED:

2/9/95 @ 1514

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	86
1,1-Dichloroethane	75-34-3	5	170
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	75
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	62
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	140
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	48 J
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	75
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	850

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0668DL
SAMPLE IDENTIFICATION: #90125-B.1/95 Duplicate WW-12
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	820
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: 0669

SAMPLE IDENTIFICATION: #Travel Blanks

DATE SAMPLED: 1/25/95

DATE/TIME ANALYZED: 2/6/95 @ 2143

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	BDL
1,1-Dichloroethane	75-34-3	5	BDL
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: 0669
SAMPLE IDENTIFICATION: #Travel Blanks
DATE SAMPLED: 1/25/95

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME:

Western Water Consultants

CENREF PROJECT NUMBER:

PR950122

CENREF SAMPLE NUMBER:

VBA9502061

SAMPLE IDENTIFICATION:

Method Blank

DATE/TIME ANALYZED:

2/6/95 @ 1611

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	BDL
1,1-Dichloroethane	75-34-3	5	BDL
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: VBA9502061

SAMPLE IDENTIFICATION: Method Blank

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: VBA9502081
SAMPLE IDENTIFICATION: Method Blank
DATE/TIME ANALYZED: 2/8/95 @ 1612

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	BDL
1,1-Dichloroethane	75-34-3	5	BDL
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: VBA9502081
SAMPLE IDENTIFICATION: Method Blank

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME:

Western Water Consultants

CENREF PROJECT NUMBER:

PR950122

CENREF SAMPLE NUMBER:

VBA9502091

SAMPLE IDENTIFICATION:

Method Blank

DATE/TIME ANALYZED:

2/9/95 @ 1107

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	BDL
1,1-Dichloroethane	75-34-3	5	BDL
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: VBA9502091
SAMPLE IDENTIFICATION: Method Blank

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR950122

CENREF SAMPLE NUMBER: VBB9502042

SAMPLE IDENTIFICATION: Method Blank

DATE/TIME ANALYZED: 2/4/95 @ 1044

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	BDL
1,1-Dichloroethane	75-34-3	5	BDL
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR950122
CENREF SAMPLE NUMBER: VBB9502042
SAMPLE IDENTIFICATION: Method Blank

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL
Vinyl Acetate	108-05-4	10	BDL
2-chloroethyl Vinyl ether	110-75-8	5	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

APPENDIX B

**LABORATORY ANALYTICAL REPORTS
FOR SVE SOIL VAPOR SAMPLES**



ARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: RICK DEUELL
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 12/08/94
Reporting Date: 12/15/94
Project Number: H1885
Project Name: 90-125
Project Location: DOWELL - ARTESIA
Lab Number: H1885-1
Sample ID: H1885-1

Analysis Date: 12/15/94
Sampling Date: 12/05/94
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: RKT
Analyzed By: SL

VOLATILE ORGANIC COMPOUNDS

	(mg/L)	Detection Limit	Sample Result H1885-1	Method Blank	QC	True Value %IA	QC
1	Chloromethane	0.001	<0.001	<0.001	55	110	50
2	Vinyl chloride	0.001	<0.001	<0.001	46	92	50
3	Bromomethane	0.001	<0.001	<0.001	47	94	50
4	Chloroethane	0.001	<0.001	<0.001	47	94	50
5	Trichlorofluoromethane	0.001	<0.001	<0.001	47	94	50
6	1,1-dichloroethene	0.001	<0.001	<0.001	52	104	50
7	Methylene chloride	0.001	<0.001	<0.001	45	90	50
8	trans-1,2-Dichloroethene	0.001	<0.001	<0.001	51	102	50
9	1,1-Dichloroethane	0.001	<0.001	<0.001	50	100	50
10	Chloroform	0.001	<0.001	<0.001	53	106	50
11	1,1,1-Trichloroethane	0.001	<0.001	<0.001	51	102	50
12	1,2-Dichloroethane	0.001	<0.001	<0.001	51	102	50
13	Benzene	0.001	<0.001	<0.001	52	104	50
14	Carbon tetrachloride	0.001	<0.001	<0.001	52	104	50
15	Trichloroethene	0.001	<0.001	<0.001	54	108	50
16	Bromodichloromethane	0.001	<0.001	<0.001	44	88	50
17	2(chloroethoxy)ethene	0.001	<0.001	<0.001	50	100	50
18	trans-1,3-Dichloropropene	0.001	<0.001	<0.001	54	108	50
19	1,2-Dichloropropane	0.001	<0.001	<0.001	53	106	50
20	cis-1,3-Dichloropropene	0.001	<0.001	<0.001	51	102	50
21	Toluene	0.001	<0.001	<0.001	49	98	50
22	1,1,2-Trichloroethane	0.001	<0.001	<0.001	53	106	50
23	Dibromochloromethane	0.001	<0.001	<0.001	45	90	50
24	Tetrachloroethene	0.001	0.196	<0.001	47	94	50
25	Chlorobenzene	0.001	<0.001	<0.001	47	94	50
26	Ethylbenzene	0.001	<0.001	<0.001	47	94	50
27	Bromoform	0.001	<0.001	<0.001	53	106	50

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: RICK DEUELL
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 12/08/94
Reporting Date: 12/15/94
Project Number: H1885
Project Name: 90-125
Project Location: DOWELL - ARTESIA
Lab Number: H1885-1
Sample ID: H1885-1

Analysis Date: 12/15/94
Sampling Date: 12/05/94
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: RKT
Analyzed By: SL

VOLATILE ORGANIC COMPOUNDS

(mg/L)	Detection Limit	Sample Result H1885-1	Method Blank	QC	%IA	True Value QC
28 1,1,2,2-Tetrachloroethane	0.001	<0.001	<0.001	47	94	50
29 1,3-Dichlorobenzene	0.001	<0.001	<0.001	48	96	50
30 1,2-Dichlorobenzene	0.001	<0.001	<0.001	49	98	50
31 1,4-Dichlorobenzene	0.001	0.002	<0.001	49	98	50

	% Recovery	Relative Percent Difference
32 Dibromofluoromethane	88	5
33 Toluene-D8	113	1
34 4-Bromofluorobenzene	107	2

METHOD: EPA 846-8260

Scott A. Latimer, Chemist

12-15-94

Date



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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: RICK DEUELL
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 12/08/94
Reporting Date: 12/15/94
Project Number: H1885
Project Name: 90-125
Project Location: DOWELL - ARTESIA
Lab Number: H1885-2
Sample ID: H1885-2

Analysis Date: 12/15/94
Sampling Date: 12/05/94
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: RKT
Analyzed By: SL

VOLATILE ORGANIC COMPOUNDS

	(mg/L)	Detection Limit	Sample Result H1885-2	Method Blank	QC	True Value %IA	QC
1	Chloromethane	0.001	<0.001	<0.001	55	110	50
2	Vinyl chloride	0.001	<0.001	<0.001	46	92	50
3	Bromomethane	0.001	<0.001	<0.001	47	94	50
4	Chloroethane	0.001	<0.001	<0.001	47	94	50
5	Trichlorofluoromethane	0.001	<0.001	<0.001	47	94	50
6	1,1-dichloroethene	0.001	<0.001	<0.001	52	104	50
7	Methylene chloride	0.001	<0.001	<0.001	45	90	50
8	trans-1,2-Dichloroethene	0.001	<0.001	<0.001	51	102	50
9	1,1-Dichloroethane	0.001	<0.001	<0.001	50	100	50
10	Chloroform	0.001	<0.001	<0.001	53	106	50
11	1,1,1-Trichloroethane	0.001	<0.001	<0.001	51	102	50
12	1,2-Dichloroethane	0.001	<0.001	<0.001	51	102	50
13	Benzene	0.001	0.239	<0.001	52	104	50
14	Carbon tetrachloride	0.001	0.284	<0.001	52	104	50
15	Trichloroethene	0.001	<0.001	<0.001	54	108	50
16	Bromodichloromethane	0.001	<0.001	<0.001	44	88	50
17	2(chloroethoxy)ethene	0.001	<0.001	<0.001	50	100	50
18	trans-1,3-Dichloropropene	0.001	<0.001	<0.001	54	108	50
19	1,2-Dichloropropane	0.001	<0.001	<0.001	53	106	50
20	cis-1,3-Dichloropropene	0.001	<0.001	<0.001	51	102	50
21	Toluene	0.001	1.655	<0.001	49	98	50
22	1,1,2-Trichloroethane	0.001	<0.001	<0.001	53	106	50
23	Dibromochloromethane	0.001	<0.001	<0.001	45	90	50
24	Tetrachloroethene	0.001	0.230	<0.001	47	94	50
25	Chlorobenzene	0.001	<0.001	<0.001	47	94	50
26	Ethylbenzene	0.001	1.400	<0.001	47	94	50
27	Bromoform	0.001	<0.001	<0.001	53	106	50

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: RICK DEUELL
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 12/08/94
Reporting Date: 12/15/94
Project Number: H1885
Project Name: 90-125
Project Location: DOWELL - ARTESIA
Lab Number: H1885-2
Sample ID: H1885-2

Analysis Date: 12/15/94
Sampling Date: 12/05/94
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: RKT
Analyzed By: SL

VOLATILE ORGANIC COMPOUNDS

(mg/L)	Detection Limit	Sample Result H1885-2	Method Blank	QC	True Value %IA	QC
28 1,1,2,2-Tetrachloroethane	0.001	<0.001	<0.001	47	94	50
29 1,3-Dichlorobenzene	0.001	0.040	<0.001	48	96	50
30 1,2-Dichlorobenzene	0.001	0.040	<0.001	49	98	50
31 1,4-Dichlorobenzene	0.001	0.044	<0.001	49	98	50

	% Recovery	Relative Percent Difference
32 Dibromofluoromethane	103	5
33 Toluene-D8	112	1
34 4-Bromofluorobenzene	99	2

METHOD: EPA 846-8260



Scott A. Latimer, Chemist

12/15/94

Date

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PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: RICK DEUELL
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 12/08/94
Reporting Date: 12/15/94
Project Number: H1885
Project Name: 90-125
Project Location: DOWELL - ARTESIA
Lab Number: H1885-3
Sample ID: H1885-3

Analysis Date: 12/15/94
Sampling Date: 12/05/94
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: RKT
Analyzed By: SL

VOLATILE ORGANIC COMPOUNDS

	(mg/L)	Detection Limit	Sample Result H1885-3	Method Blank	QC	True Value %IA	QC
1	Chloromethane	0.001	<0.001	<0.001	55	110	50
2	Vinyl chloride	0.001	<0.001	<0.001	46	92	50
3	Bromomethane	0.001	<0.001	<0.001	47	94	50
4	Chloroethane	0.001	<0.001	<0.001	47	94	50
5	Trichlorofluoromethane	0.001	<0.001	<0.001	47	94	50
6	1,1-dichloroethene	0.001	0.029	<0.001	52	104	50
7	Methylene chloride	0.001	<0.001	<0.001	45	90	50
8	trans-1,2-Dichloroethene	0.001	<0.001	<0.001	51	102	50
9	1,1-Dichloroethane	0.001	0.059	<0.001	50	100	50
10	Chloroform	0.001	<0.001	<0.001	53	106	50
11	1,1,1-Trichloroethane	0.001	<0.001	<0.001	51	102	50
12	1,2-Dichloroethane	0.001	<0.001	<0.001	51	102	50
13	Benzene	0.001	0.541	<0.001	52	104	50
14	Carbon tetrachloride	0.001	0.510	<0.001	52	104	50
15	Trichloroethene	0.001	<0.001	<0.001	54	108	50
16	Bromodichloromethane	0.001	<0.001	<0.001	44	88	50
17	2(chloroethoxy)ethene	0.001	<0.001	<0.001	50	100	50
18	trans-1,3-Dichloropropene	0.001	<0.001	<0.001	54	108	50
19	1,2-Dichloropropane	0.001	<0.001	<0.001	53	106	50
20	cis-1,3-Dichloropropene	0.001	<0.001	<0.001	51	102	50
21	Toluene	0.001	5.860	<0.001	49	98	50
22	1,1,2-Trichloroethane	0.001	<0.001	<0.001	53	106	50
23	Dibromochloromethane	0.001	<0.001	<0.001	45	90	50
24	Tetrachloroethene	0.001	0.723	<0.001	47	94	50
25	Chlorobenzene	0.001	<0.001	<0.001	47	94	50
26	Ethylbenzene	0.001	2.620	<0.001	47	94	50
27	Bromoform	0.001	<0.001	<0.001	53	106	50

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: RICK DEUELL
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 12/08/94
Reporting Date: 12/15/94
Project Number: H1885
Project Name: 90-125
Project Location: DOWELL - ARTESIA
Lab Number: H1885-3
Sample ID: H1885-3

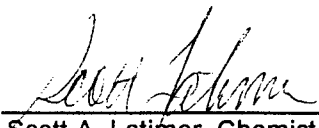
Analysis Date: 12/15/94
Sampling Date: 12/05/94
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: RKT
Analyzed By: SL

VOLATILE ORGANIC COMPOUNDS

(mg/L)	Detection Limit	Sample Result H1885-3	Method Blank	QC	True Value %IA	QC
28 1,1,2,2-Tetrachloroethane	0.001	<0.001	<0.001	47	94	50
29 1,3-Dichlorobenzene	0.001	<0.001	<0.001	48	96	50
30 1,2-Dichlorobenzene	0.001	<0.001	<0.001	49	98	50
31 1,4-Dichlorobenzene	0.001	<0.001	<0.001	49	98	50

	% Recovery	Relative Percent Difference
32 Dibromofluoromethane	114	5
33 Toluene-D8	106	1
34 4-Bromofluorobenzene	103	2

METHOD: EPA 846-8260


Scott A. Latimer, Chemist

12-15-94
Date

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: RICK DEUELL
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 12/08/94
Reporting Date: 12/15/94
Project Number: H1885
Project Name: 90-125
Project Location: DOWELL - ARTESIA
Lab Number: H1885-4
Sample ID: H1885-4

Analysis Date: 12/15/94
Sampling Date: 12/05/94
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: RKT
Analyzed By: SL

VOLATILE ORGANIC COMPOUNDS

	(mg/L)	Detection Limit	Sample Result H1885-4	Method Blank	QC	True Value %IA	QC
1	Chloromethane	0.001	<0.001	<0.001	55	110	50
2	Vinyl chloride	0.001	<0.001	<0.001	46	92	50
3	Bromomethane	0.001	<0.001	<0.001	47	94	50
4	Chloroethane	0.001	<0.001	<0.001	47	94	50
5	Trichlorofluoromethane	0.001	<0.001	<0.001	47	94	50
6	1,1-dichloroethene	0.001	<0.001	<0.001	52	104	50
7	Methylene chloride	0.001	<0.001	<0.001	45	90	50
8	trans-1,2-Dichloroethene	0.001	<0.001	<0.001	51	102	50
9	1,1-Dichloroethane	0.001	<0.001	<0.001	50	100	50
10	Chloroform	0.001	<0.001	<0.001	53	106	50
11	1,1,1-Trichloroethane	0.001	0.266	<0.001	51	102	50
12	1,2-Dichloroethane	0.001	<0.001	<0.001	51	102	50
13	Benzene	0.001	<0.001	<0.001	52	104	50
14	Carbon tetrachloride	0.001	<0.001	<0.001	52	104	50
15	Trichloroethene	0.001	<0.001	<0.001	54	108	50
16	Bromodichloromethane	0.001	<0.001	<0.001	44	88	50
17	2(chloroethoxy)ethene	0.001	<0.001	<0.001	50	100	50
18	trans-1,3-Dichloropropene	0.001	<0.001	<0.001	54	108	50
19	1,2-Dichloropropane	0.001	<0.001	<0.001	53	106	50
20	cis-1,3-Dichloropropene	0.001	<0.001	<0.001	51	102	50
21	Toluene	0.001	0.144	<0.001	49	98	50
22	1,1,2-Trichloroethane	0.001	<0.001	<0.001	53	106	50
23	Dibromochloromethane	0.001	<0.001	<0.001	45	90	50
24	Tetrachloroethene	0.001	0.044	<0.001	47	94	50
25	Chlorobenzene	0.001	<0.001	<0.001	47	94	50
26	Ethylbenzene	0.001	0.188	<0.001	47	94	50

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: RICK DEUELL
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 12/08/94
Reporting Date: 12/15/94
Project Number: H1885
Project Name: 90-125
Project Location: DOWELL - ARTESIA
Lab Number: H1885-4
Sample ID: H1885-4

Analysis Date: 12/15/94
Sampling Date: 12/05/94
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: RKT
Analyzed By: SL

VOLATILE ORGANIC COMPOUNDS

(mg/L)	Detection Limit	Sample Result H1885-4	Method Blank	QC	True Value	
					%IA	QC
27 Bromoform	0.001	<0.001	<0.001	53	106	50
28 1,1,2,2-Tetrachloroethane	0.001	<0.001	<0.001	47	94	50
29 1,3-Dichlorobenzene	0.001	<0.001	<0.001	48	96	50
30 1,2-Dichlorobenzene	0.001	<0.001	<0.001	49	98	50
31 1,4-Dichlorobenzene	0.001	<0.001	<0.001	49	98	50

	% Recovery	Relative Percent Difference
32 Dibromofluoromethane	102	5
33 Toluene-D8	95	1
34 4-Bromofluorobenzene	102	2

METHOD: EPA 846-8260



Scott A. Latimer, Chemist

12-15-94

Date

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 01/26/95
Reporting Date: 02/01/95
Project Number: H1939
Project Name: NONE GIVEN
Project Location: NONE GIVEN
Sample ID: TRKWSH ZONE 2
Lab Number: H1939-1

Analysis Date: 02/01/95
Sampling Date: 01/25/95
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: AR
Analyzed By: SL

VOLATILES - 8260 (mg/m3)		Detection Limit	Sample Result H1939-1	Method Blank	QC	%IA	True Value QC
1	Dichlorodifluoromethane	0.04	<0.04	<0.04	99	99	100
2	Chloromethane	0.04	<0.04	<0.04	99	99	100
3	Vinyl chloride	0.04	<0.04	<0.04	98	98	100
4	Bromomethane	0.04	<0.04	<0.04	99	99	100
5	Chloroethane	0.04	<0.04	<0.04	102	102	100
6	Acetone	0.04	<0.04	<0.04	104	104	100
7	1,1-Dichloroethene	0.04	<0.04	<0.04	100	100	100
8	Trichlorofluoromethane	0.04	<0.04	<0.04	99	99	100
9	Carbon Disulfide	0.04	<0.04	<0.04	105	105	100
10	Methylene chloride	0.04	<0.04	<0.04	106	106	100
11	trans-1,2-Dichloroethene	0.04	<0.04	<0.04	106	106	100
12	1,1-Dichloroethane	0.04	<0.04	<0.04	103	103	100
13	Vinyl Acetate	0.04	<0.04	<0.04	102	102	100
14	2-Butanone	0.04	<0.04	<0.04	95	95	100
15	cis-1,2-Dichloroethene	0.04	<0.04	<0.04	99	99	100
16	2,2-Dichloropropane	0.04	<0.04	<0.04	97	97	100
17	Chloroform	0.04	<0.04	<0.04	95	95	100
18	Bromochloromethane	0.04	<0.04	<0.04	99	99	100
19	1,1,1-Trichloroethane	0.04	<0.04	<0.04	95	95	100
20	1,2-Dichloroethane	0.04	<0.04	<0.04	97	97	100
21	1,1-Dichloropropene	0.04	<0.04	<0.04	92	92	100
22	Benzene	0.04	<0.04	<0.04	102	102	100
23	Carbon tetrachloride	0.04	<0.04	<0.04	97	97	100
24	Trichloroethene	0.04	<0.04	<0.04	98	98	100
25	Dibromomethane	0.04	<0.04	<0.04	98	98	100
26	Bromodichloromethane	0.04	<0.04	<0.04	93	93	100
27	trans-1,3-Dichloropropene	0.04	<0.04	<0.04	98	98	100
28	4-methyl-2-pentanone	0.04	<0.04	<0.04	100	100	100
29	1,2-Dichloropropane	0.04	<0.04	<0.04	99	99	100
30	cis-1,3-Dichloropropene	0.04	<0.04	<0.04	101	101	100

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 01/26/95
Reporting Date: 02/01/95
Project Number: H1939
Project Name: NONE GIVEN
Project Location: NONE GIVEN
Sample ID: TRKWSH ZONE 2
Lab Number: H1939-1

Analysis Date: 02/01/95
Sampling Date: 01/25/95
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: AR
Analyzed By: SL

VOLATILES - 8260 (mg/m3)		Detection Limit	Sample Result H1939-1	Method Blank	QC	%IA	True Value QC
31	Toluene	0.04	0.91	<0.04	101	101	100
32	1,1,2-Trichloroethane	0.04	<0.04	<0.04	99	99	100
33	1,3-Dichloropropane	0.04	<0.04	<0.04	99	99	100
34	2-Hexanone	0.04	<0.04	<0.04	102	102	100
35	Dibromochloromethane	0.04	<0.04	<0.04	98	98	100
36	1,2-Dibromoethane	0.04	<0.04	<0.04	106	106	100
37	Tetrachloroethene	0.04	<0.04	<0.04	97	97	100
38	Chlorobenzene	0.04	<0.04	<0.04	98	98	100
39	1,1,1,2-Tetrachloroethane	0.04	<0.04	<0.04	95	95	100
40	Ethylbenzene	0.04	0.69	<0.04	99	99	100
41	m, p - Xylene	0.04	2.97	<0.04	99	99	100
42	Bromoform	0.04	<0.04	<0.04	97	97	100
43	Styrene	0.04	<0.04	<0.04	98	98	100
44	o-Xylene	0.04	7.7	<0.04	95	95	100
45	1,1,2,2-Tetrachloroethane	0.04	<0.04	<0.04	101	101	100
46	1,2,3-Trichloropropane	0.04	<0.04	<0.04	100	100	100
47	Isopropylbenzene	0.04	0.59	<0.04	93	93	100
48	Bromobenzene	0.04	<0.04	<0.04	93	93	100
49	2-Chlorotoluene	0.04	<0.04	<0.04	100	100	100
50	n-propylbenzene	0.04	0.8	<0.04	98	98	100
51	4-Chlorotoluene	0.04	<0.04	<0.04	99	99	100
52	1,3,5-Trimethylbenzene	0.04	2.4	<0.04	99	99	100
53	tert-Butylbenzene	0.04	0.65	<0.04	98	98	100
54	1,2,4-Trimethylbenzene	0.04	5.6	<0.04	99	99	100
55	1,3-Dichlorobenzene	0.04	<0.04	<0.04	98	98	100
56	sec-Butylbenzene	0.04	<0.04	<0.04	99	99	100
57	1,4 Dichlorobenzene	0.04	<0.04	<0.04	98	98	100
58	4-Isopropyltoluene	0.04	0.22	<0.04	96	96	100
59	1,2-Dichlorobenzene	0.04	<0.04	<0.04	99	99	100
60	n-Butylbenzene	0.04	<0.04	<0.04	91	91	100

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82070

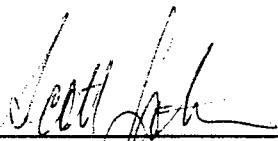
Receiving Date: 01/26/95
Reporting Date: 02/01/95
Project Number: H1939
Project Name: NONE GIVEN
Project Location: NONE GIVEN
Sample ID: TRKWSH ZONE 2
Lab Number: H1939-1

Analysis Date: 02/01/95
Sampling Date: 01/25/95
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: AR
Analyzed By: SL

VOLATILES - 8260 (mg/m3)		Detection Limit	Sample Result H1939-1	Method Blank	QC	True Value %IA	QC
61	1,2-dibromo-3-chloropropane	0.04	<0.04	<0.04	97	97	100
62	1,2,4-Trichlorobenzene	0.04	<0.04	<0.04	99	99	100
63	Naphthalene	0.04	<0.04	<0.04	95	95	100
64	1,2,3-Trichlorobenzene	0.04	<0.04	<0.04	96	96	100
65	1-Ethyl-4-methylbenzene	NA	2.8	NA	NA	NA	NA
66	1-Ethyl-2-methylbenzene	NA	2.8	NA	NA	NA	NA
67	NA-Not Available TIC compounds						

		% Recovery	Relative Percent Difference
68	Dibromofluoromethane	106	1
69	Toluene-D8	93	2
70	4-Bromofluorobenzene	106	1

METHODS: EPA SW-846-8260



Scott A. Latimer, Chemist

2-1-95

Date

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 01/26/95
Reporting Date: 02/01/95
Project Number: H1939
Project Name: NONE GIVEN
Project Location: NONE GIVEN
Sample ID: TRKWSH ZONE 3
Lab Number: H1939-2

Analysis Date: 02/01/95
Sampling Date: 01/25/95
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: AR
Analyzed By: SL

VOLATILES - 8260 (mg/m3)		Detection Limit	Sample Result H1939-2	Method Blank	QC	%IA	True Value QC
1	Dichlorodifluoromethane	0.04	<0.04	<0.04	99	99	100
2	Chloromethane	0.04	<0.04	<0.04	99	99	100
3	Vinyl chloride	0.04	<0.04	<0.04	98	98	100
4	Bromomethane	0.04	<0.04	<0.04	99	99	100
5	Chloroethane	0.04	<0.04	<0.04	102	102	100
6	Acetone	0.04	<0.04	<0.04	104	104	100
7	1,1-Dichloroethene	0.04	<0.04	<0.04	100	100	100
8	Trichlorofluoromethane	0.04	<0.04	<0.04	99	99	100
9	Carbon Disulfide	0.04	<0.04	<0.04	105	105	100
10	Methylene chloride	0.04	<0.04	<0.04	106	106	100
11	trans-1,2-Dichloroethene	0.04	<0.04	<0.04	106	106	100
12	1,1-Dichloroethane	0.04	<0.04	<0.04	103	103	100
13	Vinyl Acetate	0.04	<0.04	<0.04	102	102	100
14	2-Butanone	0.04	<0.04	<0.04	95	95	100
15	cis-1,2-Dichloroethene	0.04	<0.04	<0.04	99	99	100
16	2,2-Dichloropropane	0.04	<0.04	<0.04	97	97	100
17	Chloroform	0.04	<0.04	<0.04	95	95	100
18	Bromochloromethane	0.04	<0.04	<0.04	99	99	100
19	1,1,1-Trichloroethane	0.04	0.41	<0.04	95	95	100
20	1,2-Dichloroethane	0.04	<0.04	<0.04	97	97	100
21	1,1-Dichloropropene	0.04	<0.04	<0.04	92	92	100
22	Benzene	0.04	0.08	<0.04	102	102	100
23	Carbon tetrachloride	0.04	<0.04	<0.04	97	97	100
24	Trichloroethene	0.04	<0.04	<0.04	98	98	100
25	Dibromomethane	0.04	<0.04	<0.04	98	98	100
26	Bromodichloromethane	0.04	<0.04	<0.04	93	93	100
27	trans-1,3-Dichloropropene	0.04	<0.04	<0.04	98	98	100
28	4-methyl-2-pentanone	0.04	<0.04	<0.04	100	100	100
29	1,2-Dichloropropane	0.04	<0.04	<0.04	99	99	100
30	cis-1,3-Dichloropropene	0.04	<0.04	<0.04	101	101	100

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 01/26/95
Reporting Date: 02/01/95
Project Number: H1939
Project Name: NONE GIVEN
Project Location: NONE GIVEN
Sample ID: TRKWSH ZONE 3
Lab Number: H1939-2

Analysis Date: 02/01/95
Sampling Date: 01/25/95
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: AR
Analyzed By: SL

VOLATILES - 8260 (mg/m3)		Detection Limit	Sample Result H1939-2	Method Blank	QC	True Value %IA	QC
31	Toluene	0.04	4.49	<0.04	101	101	100
32	1,1,2-Trichloroethane	0.04	<0.04	<0.04	99	99	100
33	1,3-Dichloropropane	0.04	<0.04	<0.04	99	99	100
34	2-Hexanone	0.04	<0.04	<0.04	102	102	100
35	Dibromochloromethane	0.04	<0.04	<0.04	98	98	100
36	1,2-Dibromoethane	0.04	<0.04	<0.04	106	106	100
37	Tetrachloroethene	0.04	0.37	<0.04	97	97	100
38	Chlorobenzene	0.04	<0.04	<0.04	98	98	100
39	1,1,1,2-Tetrachloroethane	0.04	<0.04	<0.04	95	95	100
40	Ethylbenzene	0.04	2.75	<0.04	99	99	100
41	m, p - Xylene	0.04	6.63	<0.04	99	99	100
42	Bromoform	0.04	<0.04	<0.04	97	97	100
43	Styrene	0.04	<0.04	<0.04	98	98	100
44	o-Xylene	0.04	16.6	<0.04	95	95	100
45	1,1,2,2-Tetrachloroethane	0.04	<0.04	<0.04	101	101	100
46	1,2,3-Trichloropropane	0.04	<0.04	<0.04	100	100	100
47	Isopropylbenzene	0.04	2.68	<0.04	93	93	100
48	Bromobenzene	0.04	<0.04	<0.04	93	93	100
49	2-Chlorotoluene	0.04	<0.04	<0.04	100	100	100
50	n-propylbenzene	0.04	4.41	<0.04	98	98	100
51	4-Chlorotoluene	0.04	<0.04	<0.04	99	99	100
52	1,3,5-Trimethylbenzene	0.04	5.73	<0.04	99	99	100
53	tert-Butylbenzene	0.04	1.47	<0.04	98	98	100
54	1,2,4-Trimethylbenzene	0.04	13.05	<0.04	99	99	100
55	1,3-Dichlorobenzene	0.04	<0.04	<0.04	98	98	100
56	sec-Butylbenzene	0.04	0.35	<0.04	99	99	100
57	1,4 Dichlorobenzene	0.04	<0.04	<0.04	98	98	100
58	4-Isopropyltoluene	0.04	0.64	<0.04	96	96	100
59	1,2-Dichlorobenzene	0.04	<0.04	<0.04	99	99	100
60	n-Butylbenzene	0.04	0.48	<0.04	91	91	100

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82070

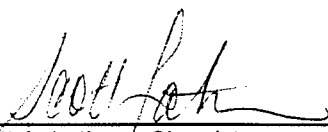
Receiving Date: 01/26/95
Reporting Date: 02/01/95
Project Number: H1939
Project Name: NONE GIVEN
Project Location: NONE GIVEN
Sample ID: TRKWSH ZONE 3
Lab Number: H1939-2

Analysis Date: 02/01/95
Sampling Date: 01/25/95
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: AR
Analyzed By: SL

VOLATILES - 8260 (mg/m3)		Detection Limit	Sample Result H1939-2	Method Blank	QC	%IA	True Value QC
61	1,2-dibromo-3-chloropropane	0.04	<0.04	<0.04	97	97	100
62	1,2,4-Trichlorobenzene	0.04	<0.04	<0.04	99	99	100
63	Naphthalene	0.04	<0.04	<0.04	95	95	100
64	1,2,3-Trichlorobenzene	0.04	<0.04	<0.04	96	96	100
65	1-ethyl-3-methylbenzene	NA	16	NA	NA	NA	NA
66	TIC compound	NA	NA	NA	NA	NA	NA

		% Recovery	Relative Percent Difference
67	Dibromofluoromethane	97	1
68	Toluene-D8	91	2
69	4-Bromofluorobenzene	98	1

METHODS: EPA SW-846-8260.
NA - Not Available



Scott A. Latimer, Chemist

2-1-95

Date



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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 01/26/95
Reporting Date: 02/01/95
Project Number: H1939
Project Name: NONE GIVEN
Project Location: NONE GIVEN
Sample ID: TRKSHP ZONE 2
Lab Number: H1939-3

Analysis Date: 02/01/95
Sampling Date: 01/25/95
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: AR
Analyzed By: SL

VOLATILES - 8260 (mg/m3)		Detection Limit	Sample Result H1939-3	Method Blank	QC	%IA	True Value QC
1	Dichlorodifluoromethane	0.04	<0.04	<0.04	99	99	100
2	Chloromethane	0.04	<0.04	<0.04	99	99	100
3	Vinyl chloride	0.04	<0.04	<0.04	98	98	100
4	Bromomethane	0.04	<0.04	<0.04	99	99	100
5	Chloroethane	0.04	<0.04	<0.04	102	102	100
6	Acetone	0.04	<0.04	<0.04	104	104	100
7	1,1-Dichloroethene	0.04	<0.04	<0.04	100	100	100
8	Trichlorofluoromethane	0.04	<0.04	<0.04	99	99	100
9	Carbon Disulfide	0.04	<0.04	<0.04	105	105	100
10	Methylene chloride	0.04	<0.04	<0.04	106	106	100
11	trans-1,2-Dichloroethene	0.04	<0.04	<0.04	106	106	100
12	1,1-Dichloroethane	0.04	<0.04	<0.04	103	103	100
13	Vinyl Acetate	0.04	<0.04	<0.04	102	102	100
14	2-Butanone	0.04	<0.04	<0.04	95	95	100
15	cis-1,2-Dichloroethene	0.04	<0.04	<0.04	99	99	100
16	2,2-Dichloropropane	0.04	<0.04	<0.04	97	97	100
17	Chloroform	0.04	<0.04	<0.04	95	95	100
18	Bromochloromethane	0.04	<0.04	<0.04	99	99	100
19	1,1,1-Trichloroethane	0.04	0.93	<0.04	95	95	100
20	1,2-Dichloroethane	0.04	<0.04	<0.04	97	97	100
21	1,1-Dichloropropene	0.04	<0.04	<0.04	92	92	100
22	Benzene	0.04	<0.04	<0.04	102	102	100
23	Carbon tetrachloride	0.04	<0.04	<0.04	97	97	100
24	Trichloroethene	0.04	<0.04	<0.04	98	98	100
25	Dibromomethane	0.04	<0.04	<0.04	98	98	100
26	Bromodichloromethane	0.04	<0.04	<0.04	93	93	100
27	trans-1,3-Dichloropropene	0.04	<0.04	<0.04	98	98	100
28	4-methyl-2-pentanone	0.04	<0.04	<0.04	100	100	100
29	1,2-Dichloropropane	0.04	<0.04	<0.04	99	99	100
30	cis-1,3-Dichloropropene	0.04	<0.04	<0.04	101	101	100

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 01/26/95
Reporting Date: 02/01/95
Project Number: H1939
Project Name: NONE GIVEN
Project Location: NONE GIVEN
Sample ID: TRKSHP ZONE 2
Lab Number: H1939-3

Analysis Date: 02/01/95
Sampling Date: 01/25/95
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: AR
Analyzed By: SL

VOLATILES - 8260 (mg/m3)		Detection Limit	Sample Result H1939-3	Method Blank	QC	%IA	True Value QC
31	Toluene	0.04	<0.04	<0.04	101	101	100
32	1,1,2-Trichloroethane	0.04	<0.04	<0.04	99	99	100
33	1,3-Dichloropropane	0.04	<0.04	<0.04	99	99	100
34	2-Hexanone	0.04	<0.04	<0.04	102	102	100
35	Dibromochloromethane	0.04	<0.04	<0.04	98	98	100
36	1,2-Dibromoethane	0.04	<0.04	<0.04	106	106	100
37	Tetrachloroethene	0.04	0.07	<0.04	97	97	100
38	Chlorobenzene	0.04	<0.04	<0.04	98	98	100
39	1,1,1,2-Tetrachloroethane	0.04	<0.04	<0.04	95	95	100
40	Ethylbenzene	0.04	<0.04	<0.04	99	99	100
41	m, p - Xylene	0.04	0.05	<0.04	99	99	100
42	Bromoform	0.04	<0.04	<0.04	97	97	100
43	Styrene	0.04	<0.04	<0.04	98	98	100
44	o-Xylene	0.04	0.07	<0.04	95	95	100
45	1,1,2,2-Tetrachloroethane	0.04	<0.04	<0.04	101	101	100
46	1,2,3-Trichloropropane	0.04	<0.04	<0.04	100	100	100
47	Isopropylbenzene	0.04	<0.04	<0.04	93	93	100
48	Bromobenzene	0.04	<0.04	<0.04	93	93	100
49	2-Chlorotoluene	0.04	<0.04	<0.04	100	100	100
50	n-propylbenzene	0.04	<0.04	<0.04	98	98	100
51	4-Chlorotoluene	0.04	<0.04	<0.04	99	99	100
52	1,3,5-Trimethylbenzene	0.04	0.05	<0.04	99	99	100
53	tert-Butylbenzene	0.04	<0.04	<0.04	98	98	100
54	1,2,4-Trimethylbenzene	0.04	0.17	<0.04	99	99	100
55	1,3-Dichlorobenzene	0.04	<0.04	<0.04	98	98	100
56	sec-Butylbenzene	0.04	<0.04	<0.04	99	99	100
57	1,4 Dichlorobenzene	0.04	<0.04	<0.04	98	98	100
58	4-Isopropyltoluene	0.04	<0.04	<0.04	96	96	100
59	1,2-Dichlorobenzene	0.04	<0.04	<0.04	99	99	100
60	n-Butylbenzene	0.04	<0.04	<0.04	91	91	100

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82070

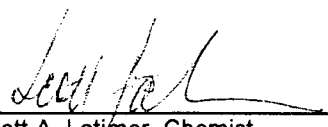
Receiving Date: 01/26/95
Reporting Date: 02/01/95
Project Number: H1939
Project Name: NONE GIVEN
Project Location: NONE GIVEN
Sample ID: TRKSHP ZONE 2
Lab Number: H1939-3

Analysis Date: 02/01/95
Sampling Date: 01/25/95
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: AR
Analyzed By: SL

VOLATILES - 8260 (mg/m3)		Detection Limit	Sample Result H1939-3	Method Blank	QC	True Value %IA	QC
61	1,2-dibromo-3-chloropropane	0.04	<0.04	<0.04	97	97	100
62	1,2,4-Trichlorobenzene	0.04	<0.04	<0.04	99	99	100
63	Naphthalene	0.04	<0.04	<0.04	95	95	100
64	1,2,3-Trichlorobenzene	0.04	<0.04	<0.04	96	96	100
65	Octane	NA	0.8	NA	NA	NA	NA
66	Hexyl,Pentylether	NA	0.8	NA	NA	NA	NA
67	TIC compounds	NA	NA	NA	NA	NA	NA

		% Recovery	Relative Percent Difference
68	Dibromofluoromethane	100	1
69	Toluene-D8	89	2
70	4-Bromofluorobenzene	98	1

METHODS: EPA SW-846-8260.
NA - Not Available



Scott A. Latimer, Chemist

2-1-95

Date

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 01/26/95
Reporting Date: 02/01/95
Project Number: H1939
Project Name: NONE GIVEN
Project Location: NONE GIVEN
Sample ID: TRKWSH ZONE 1
Lab Number: H1939-4

Analysis Date: 02/01/95
Sampling Date: 01/25/95
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: AR
Analyzed By: SL

VOLATILES - 8260 (mg/m3)		Detection Limit	Sample Result H1939-4	Method Blank	QC	%IA	True Value QC
1	Dichlorodifluoromethane	0.04	<0.04	<0.04	99	99	100
2	Chloromethane	0.04	<0.04	<0.04	99	99	100
3	Vinyl chloride	0.04	<0.04	<0.04	98	98	100
4	Bromomethane	0.04	<0.04	<0.04	99	99	100
5	Chloroethane	0.04	<0.04	<0.04	102	102	100
6	Acetone	0.04	<0.04	<0.04	104	104	100
7	1,1-Dichloroethene	0.04	<0.04	<0.04	100	100	100
8	Trichlorofluoromethane	0.04	<0.04	<0.04	99	99	100
9	Carbon Disulfide	0.04	<0.04	<0.04	105	105	100
10	Methylene chloride	0.04	<0.04	<0.04	106	106	100
11	trans-1,2-Dichloroethene	0.04	<0.04	<0.04	106	106	100
12	1,1-Dichloroethane	0.04	<0.04	<0.04	103	103	100
13	Vinyl Acetate	0.04	<0.04	<0.04	102	102	100
14	2-Butanone	0.04	<0.04	<0.04	95	95	100
15	cis-1,2-Dichloroethene	0.04	<0.04	<0.04	99	99	100
16	2,2-Dichloropropane	0.04	<0.04	<0.04	97	97	100
17	Chloroform	0.04	<0.04	<0.04	95	95	100
18	Bromochloromethane	0.04	<0.04	<0.04	99	99	100
19	1,1,1-Trichloroethane	0.04	<0.04	<0.04	95	95	100
20	1,2-Dichloroethane	0.04	<0.04	<0.04	97	97	100
21	1,1-Dichloropropene	0.04	<0.04	<0.04	92	92	100
22	Benzene	0.04	<0.04	<0.04	102	102	100
23	Carbon tetrachloride	0.04	<0.04	<0.04	97	97	100
24	Trichloroethene	0.04	<0.04	<0.04	98	98	100
25	Dibromomethane	0.04	<0.04	<0.04	98	98	100
26	Bromodichloromethane	0.04	<0.04	<0.04	93	93	100
27	trans-1,3-Dichloropropene	0.04	<0.04	<0.04	98	98	100
28	4-methyl-2-pentanone	0.04	<0.04	<0.04	100	100	100
29	1,2-Dichloropropane	0.04	<0.04	<0.04	99	99	100
30	cis-1,3-Dichloropropene	0.04	<0.04	<0.04	101	101	100

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82070

Receiving Date: 01/26/95
Reporting Date: 02/01/95
Project Number: H1939
Project Name: NONE GIVEN
Project Location: NONE GIVEN
Sample ID: TRKWSH ZONE 1
Lab Number: H1939-4

Analysis Date: 02/01/95
Sampling Date: 01/25/95
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: AR
Analyzed By: SL

VOLATILES - 8260 (mg/m3)		Detection Limit	Sample Result H1939-4	Method Blank	QC	%IA	True Value QC
31	Toluene	0.04	0.12	<0.04	101	101	100
32	1,1,2-Trichloroethane	0.04	<0.04	<0.04	99	99	100
33	1,3-Dichloropropane	0.04	<0.04	<0.04	99	99	100
34	2-Hexanone	0.04	<0.04	<0.04	102	102	100
35	Dibromochloromethane	0.04	<0.04	<0.04	98	98	100
36	1,2-Dibromoethane	0.04	<0.04	<0.04	106	106	100
37	Tetrachloroethene	0.04	<0.04	<0.04	97	97	100
38	Chlorobenzene	0.04	<0.04	<0.04	98	98	100
39	1,1,1,2-Tetrachloroethane	0.04	<0.04	<0.04	95	95	100
40	Ethylbenzene	0.04	0.155	<0.04	99	99	100
41	m, p - Xylene	0.04	0.4	<0.04	99	99	100
42	Bromoform	0.04	<0.04	<0.04	97	97	100
43	Styrene	0.04	<0.04	<0.04	98	98	100
44	o-Xylene	0.04	0.79	<0.04	95	95	100
45	1,1,2,2-Tetrachloroethane	0.04	<0.04	<0.04	101	101	100
46	1,2,3-Trichloropropane	0.04	<0.04	<0.04	100	100	100
47	Isopropylbenzene	0.04	0.1	<0.04	93	93	100
48	Bromobenzene	0.04	<0.04	<0.04	93	93	100
49	2-Chlorotoluene	0.04	<0.04	<0.04	100	100	100
50	n-propylbenzene	0.04	0.124	<0.04	98	98	100
51	4-Chlorotoluene	0.04	<0.04	<0.04	99	99	100
52	1,3,5-Trimethylbenzene	0.04	0.48	<0.04	99	99	100
53	tert-Butylbenzene	0.04	0.09	<0.04	98	98	100
54	1,2,4-Trimethylbenzene	0.04	0.81	<0.04	99	99	100
55	1,3-Dichlorobenzene	0.04	<0.04	<0.04	98	98	100
56	sec-Butylbenzene	0.04	<0.04	<0.04	99	99	100
57	1,4 Dichlorobenzene	0.04	<0.04	<0.04	98	98	100
58	4-Isopropyltoluene	0.04	<0.04	<0.04	96	96	100
59	1,2-Dichlorobenzene	0.04	<0.04	<0.04	99	99	100
60	n-Butylbenzene	0.04	<0.04	<0.04	91	91	100

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS, INC.
ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82070

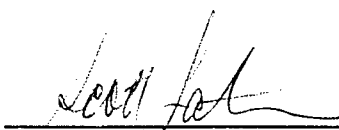
Receiving Date: 01/26/95
Reporting Date: 02/01/95
Project Number: H1939
Project Name: NONE GIVEN
Project Location: NONE GIVEN
Sample ID: TRKWSH ZONE 1
Lab Number: H1939-4

Analysis Date: 02/01/95
Sampling Date: 01/25/95
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: AR
Analyzed By: SL

VOLATILES - 8260 (mg/m3)		Detection Limit	Sample Result H1939-4	Method Blank	QC	True Value	
						%IA	QC
61	1,2-dibromo-3-chloropropane	0.04	<0.04	<0.04	97	97	100
62	1,2,4-Trichlorobenzene	0.04	<0.04	<0.04	99	99	100
63	Naphthalene	0.04	<0.04	<0.04	95	95	100
64	1,2,3-Trichlorobenzene	0.04	<0.04	<0.04	96	96	100
65	1-Ethyl-4-methyl benzene	NA	1.2	NA	NA	NA	NA
66	TIC compound	NA	NA	NA	NA	NA	NA

		% Recovery	Relative Percent Difference
67	Dibromofluoromethane	106	1
68	Toluene-D8	96	2
69	4-Bromofluorobenzene	104	1

METHODS: EPA SW-846-8260.
NA - Not Available

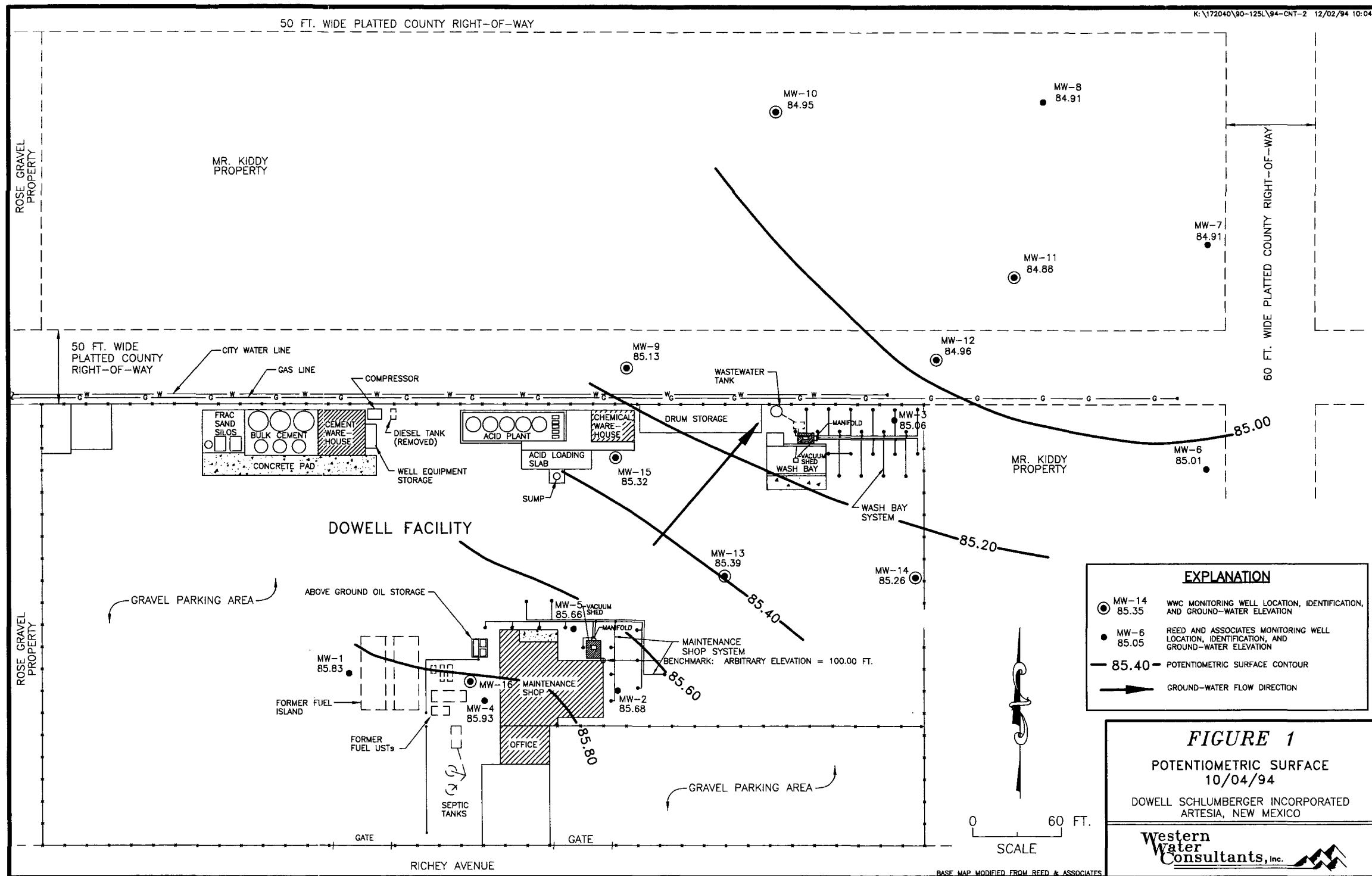


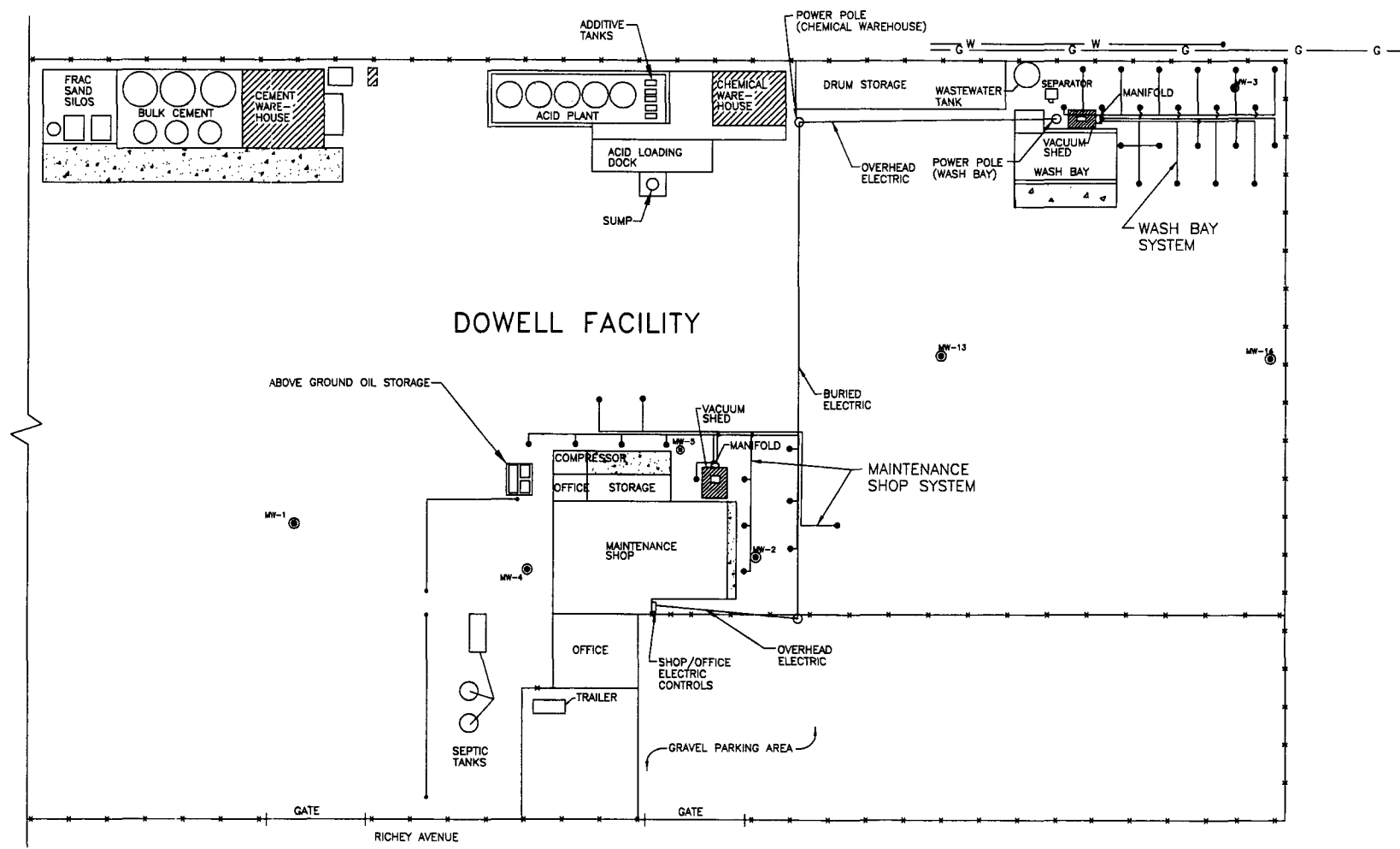
Scott A. Latimer, Chemist

2-1-95

Date

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EXPLANATION

- MW-13 WWC MONITORING WELL LOCATION AND IDENTIFICATION
- SOIL VAPOR EXTRACTION (SVE) WELL
- AIR PIPING WITH DIRECTION OF FLOW

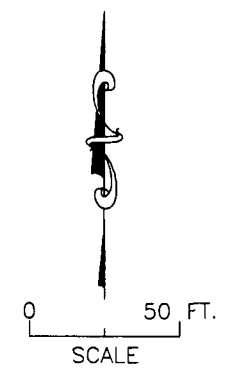


FIGURE 2
LOCATION OF SVE SYSTEMS

DOWELL SCHLUMBERGER INCORPORATED
ARTESIA, NEW MEXICO

Western
Water
Consultants, Inc.

APPENDIX B

**LABORATORY DATA FOR
SVE EMISSIONS**



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ANALYTICAL RESULTS FOR
 WESTERN WATER CONSULTANTS
 ATTN: SCOTT GUSTIN
 PO BOX 4128
 LARAMIE, WY 82071

Receiving Date: 09/09/94
 Reporting Date: 09/14/94
 Project Number: H1787
 Project Location: DOWELL - ARTESIA
 Project Name: 90-125
 Sample ID: MS-2
 Lab Number: H1787-1

Analysis Date: 09/13/94
 Sampling Date: NONE GIVEN
 Sample Type: AIR
 Sample Condition: INTACT
 Sample Received By: RKT
 Analyzed By: SL

VOLATILE ORGANIC

COMPOUNDS IN AIR - (ppm)

	Detection Limit	Sample Result H1787-1	Method Blank	QC	True Value %IA	QC
1 Acetone	0.001	<0.001	<0.001	89.0	89	100.0
2 1,1-Dichloroethene	0.001	<0.001	<0.001	87.0	87	100.0
3 Methylene Chloride	0.001	<0.001	<0.001	89.0	89	100.0
4 trans-1,2-Dichloroethene	0.001	<0.001	<0.001	87.0	87	100.0
5 1,1-Dichloroethene	0.001	<0.001	<0.001	85.0	85	100.0
6 2-Butanone	0.001	<0.001	<0.001	107.0	107	100.0
7 cis-1,2-Dichloroethene	0.001	<0.001	<0.001	87.0	87	100.0
8 Chloroform	0.001	<0.001	<0.001	86.0	86	100.0
9 1,1,1-Trichloroethane	0.001	0.305	<0.001	88.0	88	100.0
10 1,2-Dichloroethane	0.001	<0.001	<0.001	85.0	85	100.0
11 Benzene	0.001	<0.001	<0.001	86.0	86	100.0
12 Carbon Tetrachloride	0.001	<0.001	<0.001	87.0	87	100.0
13 Trichloroethene	0.001	<0.001	<0.001	83.0	83	100.0
14 Bromodichloromethane	0.001	<0.001	<0.001	80.0	80	100.0
15 trans-1,3-Dichloropropene	0.001	<0.001	<0.001	86.0	86	100.0
16 cis-1,3-Dichloropropene	0.001	<0.001	<0.001	82.0	82	100.0
17 Toluene	0.001	<0.001	<0.001	85.0	85	100.0
18 1,2-Dichloropropane	0.001	<0.001	<0.001	82.0	82	100.0
19 1,1,2-Trichloroethane	0.001	<0.001	<0.001	82.0	82	100.0
20 Tetrachloroethane	0.001	<0.001	<0.001	87.0	87	100.0
21 Dibromochloromethane	0.001	<0.001	<0.001	86.0	86	100.0
22 Chlorobenzene	0.001	<0.001	<0.001	86.0	86	100.0
23 Ethyl Benzene	0.001	<0.001	<0.001	86.0	86	100.0
24 m,p-Xylene	0.001	<0.001	<0.001	86.0	86	100.0
25 Bromoform	0.001	<0.001	<0.001	82.0	82	100.0
26 Styrene	0.001	<0.001	<0.001	89.0	89	100.0



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ANALYTICAL RESULTS FOR
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ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82071

Receiving Date: 09/09/94
Reporting Date: 09/14/94
Project Number: H1787
Project Location: DOWELL - ARTESIA
Project Name: 90-125
Sample ID: MS-2
Lab Number: H1787-1

Analysis Date: 09/13/94
Sampling Date: NONE GIVEN
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: RKT
Analyzed By: SL

VOLATILE ORGANIC

COMPOUNDS IN AIR - (ppm)

Detection Limit	Sample Result H1787-1	Method Blank	QC	True Value %IA	QC
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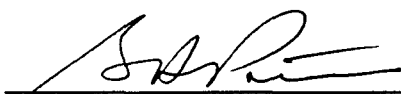
27 o-Xylene	0.001	<0.001	<0.001	89.0	89	100.0
28 1,1,2,2-Tetrachloroethane	0.001	<0.001	<0.001	85.0	85	100.0

% Recovery

Relative Percent Difference

29 Dibromofluoromethane	66	3
30 Toluene-D8	96	6
31 4-Bromofluorobenzene	106	2

METHOD: EPA 846-8240


Gayle A. Potter, President

09/14/94
Date

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ANALYTICAL RESULTS FOR
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ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82071

Receiving Date: 09/09/94
Reporting Date: 09/14/94
Project Number: H1787
Project Location: DOWELL - ARTESIA
Project Name: 90-125
Sample ID: WB-2
Lab Number: H1787-2

Analysis Date: 09/13/94
Sampling Date: NONE GIVEN
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: RKT
Analyzed By: SL

VOLATILE ORGANIC

COMPOUNDS IN AIR - (ppm)

	Detection Limit	Sample Result H1787-2	Method Blank	QC	True Value %IA	QC
1 Acetone	0.001	<0.001	<0.001	89.0	89	100.0
2 1,1-Dichloroethene	0.001	<0.001	<0.001	87.0	87	100.0
3 Methylene Chloride	0.001	<0.001	<0.001	89.0	89	100.0
4 trans-1,2-Dichloroethene	0.001	<0.001	<0.001	87.0	87	100.0
5 1,1-Dichloroethene	0.001	<0.001	<0.001	85.0	85	100.0
6 2-Butanone	0.001	1.280	<0.001	107.0	107	100.0
7 cis-1,2-Dichloroethene	0.001	<0.001	<0.001	87.0	87	100.0
8 Chloroform	0.001	<0.001	<0.001	86.0	86	100.0
9 1,1,1-Trichloroethane	0.001	<0.001	<0.001	88.0	88	100.0
10 1,2-Dichloroethane	0.001	<0.001	<0.001	85.0	85	100.0
11 Benzene	0.001	<0.001	<0.001	86.0	86	100.0
12 Carbon Tetrachloride	0.001	<0.001	<0.001	87.0	87	100.0
13 Trichloroethene	0.001	<0.001	<0.001	83.0	83	100.0
14 Bromodichloromethane	0.001	<0.001	<0.001	80.0	80	100.0
15 trans-1,3-Dichloropropene	0.001	<0.001	<0.001	86.0	86	100.0
16 cis-1,3-Dichloropropene	0.001	<0.001	<0.001	82.0	82	100.0
17 Toluene	0.001	0.441	<0.001	85.0	85	100.0
18 1,2-Dichloropropane	0.001	<0.001	<0.001	82.0	82	100.0
19 1,1,2-Trichloroethane	0.001	<0.001	<0.001	82.0	82	100.0
20 Tetrachloroethane	0.001	<0.001	<0.001	87.0	87	100.0
21 Dibromochloromethane	0.001	<0.001	<0.001	86.0	86	100.0
22 Chlorobenzene	0.001	<0.001	<0.001	86.0	86	100.0
23 Ethyl Benzene	0.001	0.449	<0.001	86.0	86	100.0
24 m,p-Xylene	0.001	1.227	<0.001	86.0	86	100.0
25 Bromoform	0.001	<0.001	<0.001	82.0	82	100.0
26 Styrene	0.001	<0.001	<0.001	89.0	89	100.0



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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS
ATTN: SCOTT GUSTIN
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LARAMIE, WY 82071

Receiving Date: 09/09/94
Reporting Date: 09/14/94
Project Number: H1787
Project Location: DOWELL - ARTESIA
Project Name: 90-125
Sample ID: WB-2
Lab Number: H1787-2

Analysis Date: 09/13/94
Sampling Date: NONE GIVEN
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: RKT
Analyzed By: SL

VOLATILE ORGANIC

COMPOUNDS IN AIR - (ppm)

	Detection Limit	Sample Result H1787-2	Method Blank	QC	True Value %IA	QC
27 o-Xylene	0.001	2.890	<0.001	89.0	89	100.0
28 1,1,2,2-Tetrachloroethane	0.001	<0.001	<0.001	85.0	85	100.0

	% Recovery	Relative Percent Difference
29 Dibromofluoromethane	MI	3
30 Toluene-D8	63	6
31 4-Bromofluorobenzene	91	2

METHOD: EPA 846-8240

MI - Matrix Interference


Gayle A. Potter, President

09/14/94
Date

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LARAMIE, WY 82071

Receiving Date: 09/09/94
Reporting Date: 09/14/94
Project Number: H1787
Project Location: DOWELL - ARTESIA
Project Name: 90-125
Sample ID: WB-3
Lab Number: H1787-3

Analysis Date: 09/13/94
Sampling Date: NONE GIVEN
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: RKT
Analyzed By: SL

VOLATILE ORGANIC

COMPOUNDS IN AIR - (ppm)

	Detection Limit	Sample Result H1787-3	Method Blank	QC	%IA	True Value QC
1 Acetone	0.001	<0.001	<0.001	89.0	89	100.0
2 1,1-Dichloroethene	0.001	<0.001	<0.001	87.0	87	100.0
3 Methylene Chloride	0.001	<0.001	<0.001	89.0	89	100.0
4 trans-1,2-Dichloroethene	0.001	<0.001	<0.001	87.0	87	100.0
5 1,1-Dichloroethene	0.001	<0.001	<0.001	85.0	85	100.0
6 2-Butanone	0.001	<0.001	<0.001	107.0	107	100.0
7 cis-1,2-Dichloroethene	0.001	<0.001	<0.001	87.0	87	100.0
8 Chloroform	0.001	<0.001	<0.001	86.0	86	100.0
9 1,1,1-Trichloroethane	0.001	0.156	<0.001	88.0	88	100.0
10 1,2-Dichloroethane	0.001	<0.001	<0.001	85.0	85	100.0
11 Benzene	0.001	<0.001	<0.001	86.0	86	100.0
12 Carbon Tetrachloride	0.001	<0.001	<0.001	87.0	87	100.0
13 Trichloroethene	0.001	<0.001	<0.001	83.0	83	100.0
14 Bromodichloromethane	0.001	<0.001	<0.001	80.0	80	100.0
15 trans-1,3-Dichloropropene	0.001	<0.001	<0.001	86.0	86	100.0
16 cis-1,3-Dichloropropene	0.001	<0.001	<0.001	82.0	82	100.0
17 Toluene	0.001	2.903	<0.001	85.0	85	100.0
18 1,2-Dichloropropane	0.001	<0.001	<0.001	82.0	82	100.0
19 1,1,2-Trichloroethane	0.001	<0.001	<0.001	82.0	82	100.0
20 Tetrachloroethane	0.001	<0.001	<0.001	87.0	87	100.0
21 Dibromochloromethane	0.001	<0.001	<0.001	86.0	86	100.0
22 Chlorobenzene	0.001	<0.001	<0.001	86.0	86	100.0
23 Ethyl Benzene	0.001	1.349	<0.001	86.0	86	100.0
24 m,p-Xylene	0.001	2.898	<0.001	86.0	86	100.0
25 Bromoform	0.001	<0.001	<0.001	82.0	82	100.0
26 Styrene	0.001	<0.001	<0.001	89.0	89	100.0



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ANALYTICAL RESULTS FOR
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ATTN: SCOTT GUSTIN
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LARAMIE, WY 82071

Receiving Date: 09/09/94
Reporting Date: 09/14/94
Project Number: H1787
Project Location: DOWELL - ARTESIA
Project Name: 90-125
Sample ID: WB-3
Lab Number: H1787-3

Analysis Date: 09/13/94
Sampling Date: NONE GIVEN
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: RKT
Analyzed By: SL

VOLATILE ORGANIC COMPOUNDS IN AIR - (ppm)	Detection Limit	Sample Result H1787-3	Method Blank	QC	%IA	True Value QC
--	--------------------	--------------------------	-----------------	----	-----	------------------

27 o-Xylene	0.001	7.422	<0.001	89.0	89	100.0
28 1,1,2,2-Tetrachloroethane	0.001	<0.001	<0.001	85.0	85	100.0

	% Recovery	Relative Percent Difference
29 Dibromofluoromethane	MI	3
30 Toluene-D8	105	6
31 4-Bromofluorobenzene	111	2

METHOD: EPA 846-8240
MI - Matrix Interference


Gayle A. Potter, President

09/14/94
Date

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ANALYTICAL RESULTS FOR
 WESTERN WATER CONSULTANTS
 ATTN: SCOTT GUSTIN
 PO BOX 4128
 LARAMIE, WY 82071

Receiving Date: 09/09/94
 Reporting Date: 09/14/94
 Project Number: H1787
 Project Location: DOWELL - ARTESIA
 Project Name: 90-125
 Sample ID: WB-1
 Lab Number: H1787-4

Analysis Date: 09/13/94
 Sampling Date: NONE GIVEN
 Sample Type: AIR
 Sample Condition: INTACT
 Sample Received By: RKT
 Analyzed By: SL

VOLATILE ORGANIC

COMPOUNDS IN AIR - (ppm)

	Detection Limit	Sample Result H1787-4	Method Blank	QC	%IA	True Value QC
1 Acetone	0.001	<0.001	<0.001	89.0	89	100.0
2 1,1-Dichloroethene	0.001	<0.001	<0.001	87.0	87	100.0
3 Methylene Chloride	0.001	<0.001	<0.001	89.0	89	100.0
4 trans-1,2-Dichloroethene	0.001	<0.001	<0.001	87.0	87	100.0
5 1,1-Dichloroethene	0.001	<0.001	<0.001	85.0	85	100.0
6 2-Butanone	0.001	<0.001	<0.001	107.0	107	100.0
7 cis-1,2-Dichloroethene	0.001	<0.001	<0.001	87.0	87	100.0
8 Chloroform	0.001	<0.001	<0.001	86.0	86	100.0
9 1,1,1-Trichloroethane	0.001	<0.001	<0.001	88.0	88	100.0
10 1,2-Dichloroethane	0.001	<0.001	<0.001	85.0	85	100.0
11 Benzene	0.001	<0.001	<0.001	86.0	86	100.0
12 Carbon Tetrachloride	0.001	<0.001	<0.001	87.0	87	100.0
13 Trichloroethene	0.001	<0.001	<0.001	83.0	83	100.0
14 Bromodichloromethane	0.001	<0.001	<0.001	80.0	80	100.0
15 trans-1,3-Dichloropropene	0.001	<0.001	<0.001	86.0	86	100.0
16 cis-1,3-Dichloropropene	0.001	<0.001	<0.001	82.0	82	100.0
17 Toluene	0.001	0.093	<0.001	85.0	85	100.0
18 1,2-Dichloropropane	0.001	<0.001	<0.001	82.0	82	100.0
19 1,1,2-Trichloroethane	0.001	<0.001	<0.001	82.0	82	100.0
20 Tetrachloroethane	0.001	<0.001	<0.001	87.0	87	100.0
21 Dibromochloromethane	0.001	<0.001	<0.001	86.0	86	100.0
22 Chlorobenzene	0.001	<0.001	<0.001	86.0	86	100.0
23 Ethyl Benzene	0.001	0.293	<0.001	86.0	86	100.0
24 m,p-Xylene	0.001	0.190	<0.001	86.0	86	100.0
25 Bromoform	0.001	<0.001	<0.001	82.0	82	100.0
26 Styrene	0.001	<0.001	<0.001	89.0	89	100.0

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ANALYTICAL RESULTS FOR
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LARAMIE, WY 82071

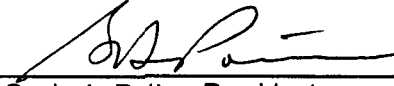
Receiving Date: 09/09/94
Reporting Date: 09/14/94
Project Number: H1787
Project Location: DOWELL - ARTESIA
Project Name: 90-125
Sample ID: WB-1
Lab Number: H1787-4

Analysis Date: 09/13/94
Sampling Date: NONE GIVEN
Sample Type: AIR
Sample Condition: INTACT
Sample Received By: RKT
Analyzed By: SL

VOLATILE ORGANIC COMPOUNDS IN AIR - (ppm)	Detection Limit	Sample Result H1787-4	Method Blank	True Value		
				QC	%IA	QC
27 o-Xylene	0.001	0.419	<0.001	89.0	89	100.0
28 1,1,2,2-Tetrachloroethane	0.001	<0.001	<0.001	85.0	85	100.0

	% Recovery	Relative Percent Difference
29 Dibromofluoromethane	63	3
30 Toluene-D8	86	6
31 4-Bromofluorobenzene	91	2

METHOD: EPA 846-8240



Gayle A. Potter, President

09/14/94

Date

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**Western
Water
Consultants, Inc.**



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PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

**ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS**

ATTN: SCOTT GUSTIN

PO BOX 4128

LARAMIE, WY 82071

Receiving Date: 08/12/94

Reporting Date: 08/17/94

Project Number: H1769

Project Location: ARTESIA, NM

Project Name: DOWELL - ARTESIA, NM

Sample ID: WASH BAY ZONE 1

Analysis Date: 08/15/94

Sampling Date: 08/10/94

Sample Type: AIR

Sample Condition: TEDLAR BAG & INTACT

Sample Received By: RKT

Analyzed By: BT

VOLATILE ORGANIC COMPOUNDS

	(ppm)	Detection Limit	Sample Result H1769-1	Method Blank	QC	True Value %IA	QC
1	Dichlorodifluoromethane	0.001	<0.001	<0.001	0.053	105	0.050
2	2-chloroethyl vinyl ether	0.001	<0.001	<0.001	0.053	107	0.050
3	Chloromethane	0.001	<0.001	<0.001	0.049	99	0.050
4	Vinyl chloride	0.001	<0.001	<0.001	0.048	96	0.050
5	Bromomethane	0.001	<0.001	<0.001	0.052	104	0.050
6	Chloroethane	0.001	<0.001	<0.001	0.050	101	0.050
7	Trichlorofluoromethane	0.001	<0.001	<0.001	0.048	97	0.050
8	1,1-Dichloroethene	0.001	<0.001	<0.001	0.050	99	0.050
9	Methylene chloride	0.001	<0.001	<0.001	0.049	99	0.050
10	trans-1,2-Dichloroethene	0.001	<0.001	<0.001	0.050	100	0.050
11	1,1-Dichloroethane	0.001	<0.001	<0.001	0.050	99	0.050
12	Chloroform	0.001	<0.001	<0.001	0.054	109	0.050
13	1,1,1-Trichloroethane	0.001	<0.001	<0.001	0.051	102	0.050
14	1,2-Dichloroethene	0.001	<0.001	<0.001	0.054	107	0.050
15	Carbon tetrachloride	0.001	<0.001	<0.001	0.049	99	0.050
16	1,2-Dichloropropane	0.001	<0.001	<0.001	0.054	107	0.050
17	Trichloroethene	0.001	<0.001	<0.001	0.053	106	0.050
18	Dibromomethane	0.001	<0.001	<0.001	0.051	103	0.050
19	Bromodichloromethane	0.001	<0.001	<0.001	0.054	108	0.050
20	trans-1,3-Dichloropropene	0.001	<0.001	<0.001	0.052	104	0.050
21	cis-1,3-Dichloropropene	0.001	<0.001	<0.001	0.054	107	0.050
22	1,1,2-Trichloroethane	0.001	<0.001	<0.001	0.046	92	0.050
23	Dibromochloromethane	0.001	<0.001	<0.001	0.052	105	0.050
24	Tetrachloroethene	0.001	<0.001	<0.001	0.051	102	0.050
25	Chlorobenzene	0.001	<0.001	<0.001	0.047	94	0.050
26	1,1,1,2-Tetrachloroethane	0.001	<0.001	<0.001	0.051	101	0.050
27	Bromoform	0.001	<0.001	<0.001	0.053	105	0.050
28	1,1,2,2-Tetrachloroethane	0.001	<0.001	<0.001	0.054	108	0.050

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

**ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS**

ATTN: SCOTT GUSTIN

PO BOX 4128

LARAMIE, WY 82071

Receiving Date: 08/12/94

Reporting Date: 08/17/94

Project Number: H1769

Project Location: ARTESIA, NM

Project Name: DOWELL - ARTESIA, NM

Sample ID: WASH BAY ZONE 1

Analysis Date: 08/15/94

Sampling Date: 08/10/94

Sample Type: AIR

Sample Condition: TEDLAR BAG & INTACT

Sample Received By: RKT

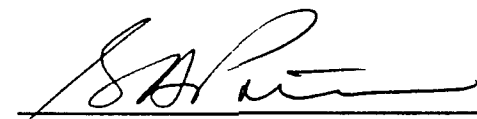
Analyzed By: BT

VOLATILE ORGANIC COMPOUNDS

(ppm)	Detection Limit	Sample Result H1769-1	Method Blank	QC	True Value %IA	QC
29 1,2,3-Trichloropropane	0.001	<0.001	<0.001	0.048	96	0.050
30 Bromobenzene	0.001	<0.001	<0.001	0.050	99	0.050
31 2-Chlorotoluene	0.001	<0.001	<0.001	0.048	96	0.050
32 1,3-Dichlorobenzene	0.001	<0.001	<0.001	0.047	94	0.050
33 1,4 Dichlorobenzene	0.001	<0.001	<0.001	0.049	98	0.050
34 1,2-Dichlorobenzene	0.001	<0.001	<0.001	0.050	100	0.050
35 Acetone	0.001	<0.001	<0.001	0.046	92	0.050

	% Recovery	Relative Percent Difference
35 Dibromofluoromethane	100	0
36 Toluene-D8	98	1
37 4-Bromofluorobenzene	95	0

METHOD: EPA 846-8240


Gayle A. Potter, Chemist

08/17/94
Date

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS
ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82071

Receiving Date: 08/12/94
Reporting Date: 08/17/94
Project Number: H1769
Project Location: ARTESIA, NM
Project Name: DOWELL - ARTESIA, NM
Sample ID: WASH BAY ZONE 2

Analysis Date: 08/15/94
Sampling Date: 08/10/94
Sample Type: AIR
Sample Condition: TEDLAR BAG & INTACT
Sample Received By: RKT
Analyzed By: BT

VOLATILE ORGANIC COMPOUNDS

	(ppm)	Detection Limit	Sample Result H1769-2	Method Blank	QC	True Value %IA	QC
1	Dichlorodifluoromethane	0.001	<0.001	<0.001	0.053	105	0.050
2	2-chloroethyl vinyl ether	0.001	<0.001	<0.001	0.053	107	0.050
3	Chloromethane	0.001	<0.001	<0.001	0.049	99	0.050
4	Vinyl chloride	0.001	<0.001	<0.001	0.048	96	0.050
5	Bromomethane	0.001	<0.001	<0.001	0.052	104	0.050
6	Chloroethane	0.001	<0.001	<0.001	0.050	101	0.050
7	Trichlorofluoromethane	0.001	<0.001	<0.001	0.048	97	0.050
8	1,1-Dichloroethene	0.001	<0.001	<0.001	0.050	99	0.050
9	Methylene chloride	0.001	<0.001	<0.001	0.049	99	0.050
10	trans-1,2-Dichloroethene	0.001	<0.001	<0.001	0.050	100	0.050
11	1,1-Dichloroethane	0.001	<0.001	<0.001	0.050	99	0.050
12	Chloroform	0.001	<0.001	<0.001	0.054	109	0.050
13	1,1,1-Trichloroethane	0.001	<0.001	<0.001	0.051	102	0.050
14	1,2-Dichloroethene	0.001	<0.001	<0.001	0.054	107	0.050
15	Carbon tetrachloride	0.001	<0.001	<0.001	0.049	99	0.050
16	1,2-Dichloropropane	0.001	<0.001	<0.001	0.054	107	0.050
17	Trichloroethene	0.001	<0.001	<0.001	0.053	106	0.050
18	Dibromomethane	0.001	<0.001	<0.001	0.051	103	0.050
19	Bromodichloromethane	0.001	<0.001	<0.001	0.054	108	0.050
20	trans-1,3-Dichloropropene	0.001	<0.001	<0.001	0.052	104	0.050
21	cis-1,3-Dichloropropene	0.001	<0.001	<0.001	0.054	107	0.050
22	1,1,2-Trichloroethane	0.001	<0.001	<0.001	0.046	92	0.050
23	Dibromochloromethane	0.001	<0.001	<0.001	0.052	105	0.050
24	Tetrachloroethene	0.001	<0.001	<0.001	0.051	102	0.050
25	Chlorobenzene	0.001	<0.001	<0.001	0.047	94	0.050
26	1,1,1,2-Tetrachloroethane	0.001	<0.001	<0.001	0.051	101	0.050
27	Bromoform	0.001	<0.001	<0.001	0.053	105	0.050
28	1,1,2,2-Tetrachloroethane	0.001	<0.001	<0.001	0.054	108	0.050

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PHONE (505) 326-4669 • 118 S. COMMERCIAL AVE. • FARMINGTON, NM 87401

ANALYTICAL RESULTS FOR WESTERN WATER CONSULTANTS

ATTN: SCOTT GUSTIN

PO BOX 4128

LARAMIE, WY 82071

Receiving Date: 08/12/94

Reporting Date: 08/17/94

Project Number: H1769

Project Location: ARTESIA, NM

Project Name: DOWELL - ARTESIA, NM

Sample ID: WASH BAY ZONE 2

Analysis Date: 08/15/94

Sampling Date: 08/10/94

Sample Type: AIR

Sample Condition: TEDLAR BAG & INTACT

Sample Received By: RKT

Analyzed By: BT

VOLATILE ORGANIC COMPOUNDS

(ppm)	Detection Limit	Sample Result H1769-2	Method Blank	QC	True Value %IA	QC
29 1,2,3-Trichloropropane	0.001	<0.001	<0.001	0.048	96	0.050
30 Bromobenzene	0.001	<0.001	<0.001	0.050	99	0.050
31 2-Chlorotoluene	0.001	<0.001	<0.001	0.048	96	0.050
32 1,3-Dichlorobenzene	0.001	<0.001	<0.001	0.047	94	0.050
33 1,4 Dichlorobenzene	0.001	<0.001	<0.001	0.049	98	0.050
34 1,2-Dichlorobenzene	0.001	<0.001	<0.001	0.050	100	0.050
35 Acetone	0.001	<0.001	<0.001	0.046	92	0.050

	% Recovery	Relative Percent Difference
35 Dibromofluoromethane	104	0
36 Toluene-D8	92	1
37 4-Bromofluorobenzene	97	0

METHOD: EPA 846-8240

Gayle A. Potter, Chemist

08/17/94
Date

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ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS
ATTN: SCOTT GUSTIN
PO BOX 4128
LARAMIE, WY 82071

Receiving Date: 08/12/94
Reporting Date: 08/17/94
Project Number: H1769
Project Location: ARTESIA, NM
Project Name: DOWELL - ARTESIA, NM
Sample ID: WASH BAY ZONE 3

Analysis Date: 08/15/94
Sampling Date: 08/10/94
Sample Type: AIR
Sample Condition: TEDLAR BAG & INTACT
Sample Received By: RKT
Analyzed By: BT

VOLATILE ORGANIC COMPOUNDS

	(ppm)	Detection Limit	Sample Result H1769-3	Method Blank	QC	True Value %IA	QC
1	Dichlorodifluoromethane	0.001	<0.001	<0.001	0.053	105	0.050
2	2-chloroethyl vinyl ether	0.001	<0.001	<0.001	0.053	107	0.050
3	Chloromethane	0.001	<0.001	<0.001	0.049	99	0.050
4	Vinyl chloride	0.001	<0.001	<0.001	0.048	96	0.050
5	Bromomethane	0.001	<0.001	<0.001	0.052	104	0.050
6	Chloroethane	0.001	<0.001	<0.001	0.050	101	0.050
7	Trichlorofluoromethane	0.001	<0.001	<0.001	0.048	97	0.050
8	1,1-Dichloroethene	0.001	<0.001	<0.001	0.050	99	0.050
9	Methylene chloride	0.001	<0.001	<0.001	0.049	99	0.050
10	trans-1,2-Dichloroethene	0.001	<0.001	<0.001	0.050	100	0.050
11	1,1-Dichloroethane	0.001	<0.001	<0.001	0.050	99	0.050
12	Chloroform	0.001	<0.001	<0.001	0.054	109	0.050
13	1,1,1-Trichloroethane	0.001	<0.001	<0.001	0.051	102	0.050
14	1,2-Dichloroethene	0.001	<0.001	<0.001	0.054	107	0.050
15	Carbon tetrachloride	0.001	<0.001	<0.001	0.049	99	0.050
16	1,2-Dichloropropane	0.001	<0.001	<0.001	0.054	107	0.050
17	Trichloroethene	0.001	<0.001	<0.001	0.053	106	0.050
18	Dibromomethane	0.001	<0.001	<0.001	0.051	103	0.050
19	Bromodichloromethane	0.001	<0.001	<0.001	0.054	108	0.050
20	trans-1,3-Dichloropropene	0.001	<0.001	<0.001	0.052	104	0.050
21	cis-1,3-Dichloropropene	0.001	<0.001	<0.001	0.054	107	0.050
22	1,1,2-Trichloroethane	0.001	<0.001	<0.001	0.046	92	0.050
23	Dibromochloromethane	0.001	<0.001	<0.001	0.052	105	0.050
24	Tetrachloroethene	0.001	<0.001	<0.001	0.051	102	0.050
25	Chlorobenzene	0.001	<0.001	<0.001	0.047	94	0.050
26	1,1,1,2-Tetrachloroethane	0.001	<0.001	<0.001	0.051	101	0.050
27	Bromoform	0.001	<0.001	<0.001	0.053	105	0.050
28	1,1,2,2-Tetrachloroethane	0.001	<0.001	<0.001	0.054	108	0.050

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**ANALYTICAL RESULTS FOR
WESTERN WATER CONSULTANTS**

ATTN: SCOTT GUSTIN

PO BOX 4128

LARAMIE, WY 82071

Receiving Date: 08/12/94

Reporting Date: 08/17/94

Project Number: H1769

Project Location: ARTESIA, NM

Project Name: DOWELL - ARTESIA, NM

Sample ID: WASH BAY ZONE 3

Analysis Date: 08/15/94

Sampling Date: 08/10/94

Sample Type: AIR

Sample Condition: TEDLAR BAG & INTACT

Sample Received By: RKT

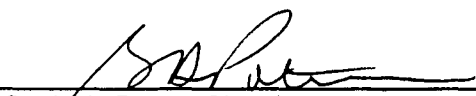
Analyzed By: BT

VOLATILE ORGANIC COMPOUNDS

(ppm)	Detection Limit	Sample Result H1769-3	Method Blank	QC	True Value %IA	QC
29 1,2,3-Trichloropropane	0.001	<0.001	<0.001	0.048	96	0.050
30 Bromobenzene	0.001	<0.001	<0.001	0.050	99	0.050
31 2-Chlorotoluene	0.001	<0.001	<0.001	0.048	96	0.050
32 1,3-Dichlorobenzene	0.001	<0.001	<0.001	0.047	94	0.050
33 1,4 Dichlorobenzene	0.001	<0.001	<0.001	0.049	98	0.050
34 1,2-Dichlorobenzene	0.001	<0.001	<0.001	0.050	100	0.050
35 Acetone	0.001	<0.001	<0.001	0.046	92	0.050

	% Recovery	Relative Percent Difference
35 Dibromofluoromethane	102	0
36 Toluene-D8	90	1
37 4-Bromofluorobenzene	96	0

METHOD: EPA 846-8240


Gayle A. Potter, Chemist

08/17/94 ✓
Date

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ARDINAL LABORATORIES

FAX 505-393-2476

Telephone 505-393-2326

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Water
Consultants, Inc.**

DISTRIBUTION: White — ORIG. RETURN TO WWC

QUESTIONS

(3) 712 0001

APPENDIX A

**LABORATORY DATA FOR
GROUND-WATER SAMPLES**

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7583

SAMPLE IDENTIFICATION: #90125.1 MW-1

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/5/94 @ 0313

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	BDL
1,1-Dichloroethane	75-34-3	5	BDL
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl Vinyl Ether	110-75-8	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	27
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7583
SAMPLE IDENTIFICATION: #90125.1 MW-1
DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7584

SAMPLE IDENTIFICATION: #90125.4 mw - 4

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/7/94 @ 1459

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	2 J
1,1-Dichloroethene	75-35-4	5	BDL
1,1-Dichloroethane	75-34-3	5	BDL
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl Vinyl Ether	110-75-8	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	140
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	5
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7584

SAMPLE IDENTIFICATION: #90125.4 mw-4

DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	(E)
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	4 J
Vinyl Chloride	75-01-4	10	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

B = Compound also detected in the blank.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7584DL

SAMPLE IDENTIFICATION: #90125.4 mw -4 dilution

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/8/94 @ 2130

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	50	BDL
Bromomethane	74-83-9	50	BDL
Chloroethane	75-00-3	50	BDL
Methylene Chloride	75-09-2	25	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	25	BDL
1,1-Dichloroethane	75-34-3	25	BDL
Total-1,2-Dichloroethene	540-59-0	25	BDL
Chloroform	67-66-3	25	BDL
1,2-Dichloroethane	107-06-2	25	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	25	BDL
Carbon Tetrachloride	56-23-5	25	BDL
Vinyl Acetate	108-05-4	50	BDL
Bromodichloromethane	75-27-4	25	BDL
1,2-Dichloropropane	78-87-5	25	BDL
2-Chloroethyl Vinyl Ether	110-75-8	50	BDL
Cis-1,3-Dichloropropene	10061-01-5	25	BDL
Trichloroethene	79-01-6	25	BDL
Dibromochloromethane	124-48-1	25	BDL
1,1,2-Trichloroethane	79-00-5	25	BDL
Benzene	71-43-2	25	150
Trans-1,3-Dichloropropene	10061-02-6	25	BDL
Bromoform	75-25-2	25	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	25	BDL
1,1,2,2-Tetrachloroethane	79-34-5	25	BDL
Toluene	108-88-3	25	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7584DL

SAMPLE IDENTIFICATION: #90125.4 mw-4 dilution

DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	25	BDL
Ethylbenzene	100-41-4	25	260
Styrene	100-42-5	25	BDL
Xylenes (Total)	1330-20-7	25	BDL
Vinyl Chloride	75-01-4	50	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7585
SAMPLE IDENTIFICATION: #90125.5 mw-5
DATE SAMPLED: 10/25/94
DATE/TIME ANALYZED: 11/7/94 @ 1540

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	2 J
1,1-Dichloroethane	75-34-3	5	20
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl Vinyl Ether	110-75-8	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	(E)
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	43
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7585
SAMPLE IDENTIFICATION: #90125.5 mw-5
DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	59
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.
B = Compound also detected in the blank.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7585DL
SAMPLE IDENTIFICATION: #90125.5 mw - 5 dilution
DATE SAMPLED: 10/25/94
DATE/TIME ANALYZED: 11/8/94 @ 2211

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	50	BDL
Bromomethane	74-83-9	50	BDL
Chloroethane	75-00-3	50	BDL
Methylene Chloride	75-09-2	25	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	25	BDL
1,1-Dichloroethane	75-34-3	25	18 J
Total-1,2-Dichloroethene	540-59-0	25	BDL
Chloroform	67-66-3	25	BDL
1,2-Dichloroethane	107-06-2	25	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	25	BDL
Carbon Tetrachloride	56-23-5	25	BDL
Vinyl Acetate	108-05-4	50	BDL
Bromodichloromethane	75-27-4	25	BDL
1,2-Dichloropropane	78-87-5	25	BDL
2-Chloroethyl Vinyl Ether	110-75-8	50	BDL
Cis-1,3-Dichloropropene	10061-01-5	25	BDL
Trichloroethene	79-01-6	25	8 J
Dibromochloromethane	124-48-1	25	BDL
1,1,2-Trichloroethane	79-00-5	25	BDL
Benzene	71-43-2	25	240
Trans-1,3-Dichloropropene	10061-02-6	25	BDL
Bromoform	75-25-2	25	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	25	34
1,1,2,2-Tetrachloroethane	79-34-5	25	BDL
Toluene	108-88-3	25	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7585DL

SAMPLE IDENTIFICATION: #90125.5 mw-dilution

DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	25	BDL
Ethylbenzene	100-41-4	25	51
Styrene	100-42-5	25	BDL
Xylenes (Total)	1330-20-7	25	BDL
Vinyl Chloride	75-01-4	50	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7586
SAMPLE IDENTIFICATION: #90125.15 MW-15
DATE SAMPLED: 10/25/94
DATE/TIME ANALYZED: 11/7/94 @ 1621

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	6
1,1-Dichloroethane	75-34-3	5	29
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl Vinyl Ether	110-75-8	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	4 J
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	1 J
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	6
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7586
SAMPLE IDENTIFICATION: #90125.15 mw-15
DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7587

SAMPLE IDENTIFICATION: #90125.13 mw-13

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/7/94 @ 1701

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	4 J
1,1-Dichloroethane	75-34-3	5	13
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl Vinyl Ether	110-75-8	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	4 J
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	11
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	40
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7587

SAMPLE IDENTIFICATION: #90125.13 mw-13

DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7588
SAMPLE IDENTIFICATION: #90125.2 mw-2
DATE SAMPLED: 10/25/94
DATE/TIME ANALYZED: 11/7/94 @ 1743

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	BDL
1,1-Dichloroethane	75-34-3	5	30
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl Vinyl Ether	110-75-8	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	1 J
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	45
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	37
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7588
SAMPLE IDENTIFICATION: #90125.2 mw-2
DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	8
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME:

Western Water Consultants

CENREF PROJECT NUMBER:

PR941776

CENREF SAMPLE NUMBER:

7589

SAMPLE IDENTIFICATION:

#90125.14 mw-14

DATE SAMPLED:

10/25/94

DATE/TIME ANALYZED:

11/7/94 @ 1823

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	94
1,1-Dichloroethane	75-34-3	5	79
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	1 J
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl Vinyl Ether	110-75-8	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	10
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	(E)
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7589

SAMPLE IDENTIFICATION: #90125.14 mw-14

DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

B = Compound also detected in the blank.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7589DL

SAMPLE IDENTIFICATION: #90125.14 mw-14 dilution

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/8/94 @ 2252

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	20	BDL
Bromomethane	74-83-9	20	BDL
Chloroethane	75-00-3	20	BDL
Methylene Chloride	75-09-2	10	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	10	86
1,1-Dichloroethane	75-34-3	10	78
Total-1,2-Dichloroethene	540-59-0	10	BDL
Chloroform	67-66-3	10	BDL
1,2-Dichloroethane	107-06-2	10	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	10	BDL
Carbon Tetrachloride	56-23-5	10	BDL
Vinyl Acetate	108-05-4	20	BDL
Bromodichloromethane	75-27-4	10	BDL
1,2-Dichloropropane	78-87-5	10	BDL
2-Chloroethyl Vinyl Ether	110-75-8	20	BDL
Cis-1,3-Dichloropropene	10061-01-5	10	BDL
Trichloroethene	79-01-6	10	BDL
Dibromochloromethane	124-48-1	10	BDL
1,1,2-Trichloroethane	79-00-5	10	BDL
Benzene	71-43-2	10	9
Trans-1,3-Dichloropropene	10061-02-6	10	BDL
Bromoform	75-25-2	10	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	10	230
1,1,2,2-Tetrachloroethane	79-34-5	10	BDL
Toluene	108-88-3	10	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7589DL

SAMPLE IDENTIFICATION: #90125.14 mw-14 dilution

DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	10	BDL
Ethylbenzene	100-41-4	10	BDL
Styrene	100-42-5	10	BDL
Xylenes (Total)	1330-20-7	10	BDL
Vinyl Chloride	75-01-4	20	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7590

SAMPLE IDENTIFICATION: #90125.3 MW -3

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/7/94 @ 1920

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	100	BDL
Bromomethane	74-83-9	100	BDL
Chloroethane	75-00-3	100	BDL
Methylene Chloride	75-09-2	50	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	50	64
1,1-Dichloroethane	75-34-3	50	200
Total-1,2-Dichloroethene	540-59-0	50	BDL
Chloroform	67-66-3	50	BDL
1,2-Dichloroethane	107-06-2	50	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	50	BDL
Carbon Tetrachloride	56-23-5	50	BDL
Vinyl Acetate	108-05-4	100	BDL
Bromodichloromethane	75-27-4	50	BDL
1,2-Dichloropropane	78-87-5	50	BDL
2-Chloroethyl Vinyl Ether	110-75-8	100	BDL
Cis-1,3-Dichloropropene	10061-01-5	50	BDL
Trichloroethene	79-01-6	50	130
Dibromochloromethane	124-48-1	50	BDL
1,1,2-Trichloroethane	79-00-5	50	BDL
Benzene	71-43-2	50	130
Trans-1,3-Dichloropropene	10061-02-6	50	BDL
Bromoform	75-25-2	50	BDL
4-Methyl-2-Pentanone	108-10-1	100	BDL
2-Hexanone	591-78-6	100	BDL
Tetrachloroethene	127-18-4	50	BDL
1,1,2,2-Tetrachloroethane	79-34-5	50	BDL
Toluene	108-88-3	50	250

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7590
SAMPLE IDENTIFICATION: #90125.3 mw - 3
DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	50	BDL
Ethylbenzene	100-41-4	50	960
Styrene	100-42-5	50	BDL
Xylenes (Total)	1330-20-7	50	(E)
Vinyl Chloride	75-01-4	100	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: E = Exceeds the linear range of the instrument.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7590DL

SAMPLE IDENTIFICATION: #90125.3 m w - 3 dilution

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/7/94 @ 1920

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	200	BDL
Bromomethane	74-83-9	200	BDL
Chloroethane	75-00-3	200	BDL
Methylene Chloride	75-09-2	100	BDL
Acetone	67-64-1	200	BDL
Carbon Disulfide	75-15-0	200	BDL
1,1-Dichloroethene	75-35-4	100	54 J
1,1-Dichloroethane	75-34-3	100	180
Total-1,2-Dichloroethene	540-59-0	100	BDL
Chloroform	67-66-3	100	BDL
1,2-Dichloroethane	107-06-2	100	BDL
2-Butanone	78-93-3	200	BDL
1,1,1-Trichloroethane	71-55-6	100	BDL
Carbon Tetrachloride	56-23-5	100	BDL
Vinyl Acetate	108-05-4	200	BDL
Bromodichloromethane	75-27-4	100	BDL
1,2-Dichloropropane	78-87-5	100	BDL
2-Chloroethyl Vinyl Ether	110-75-8	200	BDL
Cis-1,3-Dichloropropene	10061-01-5	100	BDL
Trichloroethene	79-01-6	100	100
Dibromochloromethane	124-48-1	100	BDL
1,1,2-Trichloroethane	79-00-5	100	BDL
Benzene	71-43-2	100	110
Trans-1,3-Dichloropropene	10061-02-6	100	BDL
Bromoform	75-25-2	100	BDL
4-Methyl-2-Pentanone	108-10-1	200	BDL
2-Hexanone	591-78-6	200	BDL
Tetrachloroethene	127-18-4	100	21 J
1,1,2,2-Tetrachloroethane	79-34-5	100	BDL
Toluene	108-88-3	100	210

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7590DL
SAMPLE IDENTIFICATION: #90125.3 mw-3 dilution
DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	100	BDL
Ethylbenzene	100-41-4	100	810
Styrene	100-42-5	100	BDL
Xylenes (Total)	1330-20-7	100	4200
Vinyl Chloride	75-01-4	200	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7591
SAMPLE IDENTIFICATION: #90125.30 duplicate MW-3
DATE SAMPLED: 10/25/94
DATE/TIME ANALYZED: 11/7/94 @ 2002

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	100	BDL
Bromomethane	74-83-9	100	BDL
Chloroethane	75-00-3	100	BDL
Methylene Chloride	75-09-2	50	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	50	51
1,1-Dichloroethane	75-34-3	50	180
Total-1,2-Dichloroethene	540-59-0	50	BDL
Chloroform	67-66-3	50	BDL
1,2-Dichloroethane	107-06-2	50	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	50	BDL
Carbon Tetrachloride	56-23-5	50	BDL
Vinyl Acetate	108-05-4	100	BDL
Bromodichloromethane	75-27-4	50	BDL
1,2-Dichloropropane	78-87-5	50	BDL
O-Chloroethyl Vinyl Ether	110-75-8	100	BDL
Cis-1,3-Dichloropropene	10061-01-5	50	BDL
Trichloroethene	79-01-6	50	100
Dibromochloromethane	124-48-1	50	BDL
1,1,2-Trichloroethane	79-00-5	50	BDL
Benzene	71-43-2	50	110
Trans-1,3-Dichloropropene	10061-02-6	50	BDL
Bromoform	75-25-2	50	BDL
4-Methyl-2-Pentanone	108-10-1	100	BDL
2-Hexanone	591-78-6	100	BDL
Tetrachloroethene	127-18-4	50	24 J
1,1,2,2-Tetrachloroethane	79-34-5	50	BDL
Toluene	108-88-3	50	300

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7591
SAMPLE IDENTIFICATION: #90125.30 duplicate WW-3
DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	50	BDL
Ethylbenzene	100-41-4	50	830
Styrene	100-42-5	50	BDL
Xylenes (Total)	1330-20-7	50	(E)
Vinyl Chloride	75-01-4	100	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.
B = Compound also detected in the blank.

COMPANY NAME:

Western Water Consultants

CENREF PROJECT NUMBER:

PR941776

CENREF SAMPLE NUMBER:

7591DL

SAMPLE IDENTIFICATION:

#90125.30 duplicate MW-3 dilution

DATE SAMPLED:

10/25/94

DATE/TIME ANALYZED:

11/8/94 @ 2031

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	200	BDL
Bromomethane	74-83-9	200	BDL
Chloroethane	75-00-3	200	BDL
Methylene Chloride	75-09-2	100	BDL
Acetone	67-64-1	200	BDL
Carbon Disulfide	75-15-0	200	BDL
1,1-Dichloroethene	75-35-4	100	52 J
1,1-Dichloroethane	75-34-3	100	180
Total-1,2-Dichloroethene	540-59-0	100	BDL
Chloroform	67-66-3	100	BDL
1,2-Dichloroethane	107-06-2	100	BDL
2-Butanone	78-93-3	200	BDL
1,1,1-Trichloroethane	71-55-6	100	BDL
Carbon Tetrachloride	56-23-5	100	BDL
Vinyl Acetate	108-05-4	200	BDL
Bromodichloromethane	75-27-4	100	BDL
1,2-Dichloropropane	78-87-5	100	BDL
2-Chloroethyl Vinyl Ether	110-75-8	200	BDL
Cis-1,3-Dichloropropene	10061-01-5	100	BDL
Trichloroethene	79-01-6	100	100
Dibromochloromethane	124-48-1	100	BDL
1,1,2-Trichloroethane	79-00-5	100	BDL
Benzene	71-43-2	100	110
Trans-1,3-Dichloropropene	10061-02-6	100	BDL
Bromoform	75-25-2	100	BDL
4-Methyl-2-Pentanone	108-10-1	200	BDL
2-Hexanone	591-78-6	200	BDL
Tetrachloroethene	127-18-4	100	22 J
1,1,2,2-Tetrachloroethane	79-34-5	100	BDL
Toluene	108-88-3	100	250

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7591DL

SAMPLE IDENTIFICATION: #90125.30 duplicate MW-3 dilution

DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	100	BDL
Ethylbenzene	100-41-4	100	860
Styrene	100-42-5	100	BDL
Xylenes (Total)	1330-20-7	100	4700
Vinyl Chloride	75-01-4	200	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7592

SAMPLE IDENTIFICATION: #90125.10 MW-16

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/7/94 @ 2043

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	51
1,1-Dichloroethane	75-34-3	5	BDL
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl Vinyl Ether	110-75-8	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7592

SAMPLE IDENTIFICATION: #90125.10 mw-10

DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7593

SAMPLE IDENTIFICATION: #90125.9 mw -9

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/7/94 @ 2124

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	BDL
1,1-Dichloroethane	75-34-3	5	14
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl Vinyl Ether	110-75-8	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7593

SAMPLE IDENTIFICATION: #90125.9 mw-9

DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7594

SAMPLE IDENTIFICATION: #90125.6 mw -6

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/7/94 @ 2204

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	79
1,1-Dichloroethane	75-34-3	5	12
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl Vinyl Ether	110-75-8	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	59
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7594
SAMPLE IDENTIFICATION: #90125.6 mw-6
DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7595

SAMPLE IDENTIFICATION: #90125.7 mw - 7

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/7/94 @ 2245

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	(E)
1,1-Dichloroethane	75-34-3	5	33
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl Vinyl Ether	110-75-8	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	50
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	7
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	(E)
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7595

SAMPLE IDENTIFICATION: #90125.7 mw-7

DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: E = Exceeds the linear range of the instrument.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7595DL

SAMPLE IDENTIFICATION: #90125.7 mw-7 dilution

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/9/94 @ 0014

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	50	BDL
Bromomethane	74-83-9	50	BDL
Chloroethane	75-00-3	50	BDL
Methylene Chloride	75-09-2	25	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	25	230
1,1-Dichloroethane	75-34-3	25	31
Total-1,2-Dichloroethene	540-59-0	25	BDL
Chloroform	67-66-3	25	BDL
1,2-Dichloroethane	107-06-2	25	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	25	BDL
Carbon Tetrachloride	56-23-5	25	BDL
Vinyl Acetate	108-05-4	50	BDL
Bromodichloromethane	75-27-4	25	BDL
1,2-Dichloropropane	78-87-5	25	BDL
2-Chloroethyl Vinyl Ether	110-75-8	50	BDL
Cis-1,3-Dichloropropene	10061-01-5	25	BDL
Trichloroethene	79-01-6	25	BDL
Dibromochloromethane	124-48-1	25	BDL
1,1,2-Trichloroethane	79-00-5	25	BDL
Benzene	71-43-2	25	7 J
Trans-1,3-Dichloropropene	10061-02-6	25	BDL
Bromoform	75-25-2	25	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	25	240
1,1,2,2-Tetrachloroethane	79-34-5	25	BDL
Toluene	108-88-3	25	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7595DL
SAMPLE IDENTIFICATION: #90125.7 mw-7 dilution
DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	25	BDL
Ethylbenzene	100-41-4	25	BDL
Styrene	100-42-5	25	BDL
Xylenes (Total)	1330-20-7	25	BDL
Vinyl Chloride	75-01-4	50	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7596

SAMPLE IDENTIFICATION: #90125.8 mw - 8

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/7/94 @ 2326

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	82
1,1-Dichloroethane	75-34-3	5	8
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl Vinyl Ether	110-75-8	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	10
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	19
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7596

SAMPLE IDENTIFICATION: #90125.8 mw-8

DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7597
SAMPLE IDENTIFICATION: #90125.12 m w -12
DATE SAMPLED: 10/25/94
DATE/TIME ANALYZED: 11/9/94 @ 0055

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	50	BDL
Bromomethane	74-83-9	50	BDL
Chloroethane	75-00-3	50	BDL
Methylene Chloride	75-09-2	25	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	25	85
1,1-Dichloroethane	75-34-3	25	160
Total-1,2-Dichloroethene	540-59-0	25	BDL
Chloroform	67-66-3	25	BDL
1,2-Dichloroethane	107-06-2	25	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	25	BDL
Carbon Tetrachloride	56-23-5	25	BDL
Vinyl Acetate	108-05-4	50	BDL
Bromodichloromethane	75-27-4	25	BDL
1,2-Dichloropropane	78-87-5	25	BDL
2-Chloroethyl Vinyl Ether	110-75-8	50	BDL
Cis-1,3-Dichloropropene	10061-01-5	25	BDL
Trichloroethene	79-01-6	25	120
Dibromochloromethane	124-48-1	25	BDL
1,1,2-Trichloroethane	79-00-5	25	BDL
Benzene	71-43-2	25	96
Trans-1,3-Dichloropropene	10061-02-6	25	BDL
Bromoform	75-25-2	25	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	25	15 J
1,1,2,2-Tetrachloroethane	79-34-5	25	BDL
Toluene	108-88-3	25	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7597

SAMPLE IDENTIFICATION: #90125.12 mw-12

DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	25	BDL
Ethylbenzene	100-41-4	25	660
Styrene	100-42-5	25	BDL
Xylenes (Total)	1330-20-7	25	100
Vinyl Chloride	75-01-4	50	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7598

SAMPLE IDENTIFICATION: #90125.11 MW-11

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/8/94 @ 0048

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	(E)
1,1-Dichloroethane	75-34-3	5	67
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	1 J
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	5	BDL
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl Vinyl Ether	110-75-8	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	110
Dibromochloromethane	124-48-1	5	BDL
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	9
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	(E)
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7598
SAMPLE IDENTIFICATION: #90125.11 mw-11
DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	BDL
Vinyl Chloride	75-01-4	10	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.
B = Compound also detected in the blank.

COMPANY NAME:

Western Water Consultants

CENREF PROJECT NUMBER:

PR941776

CENREF SAMPLE NUMBER:

7598DL

SAMPLE IDENTIFICATION:

#90125.11 mw-11 dilution

DATE SAMPLED:

10/25/94

DATE/TIME ANALYZED:

11/9/94 @ 0136

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	50	BDL
Bromomethane	74-83-9	50	BDL
Chloroethane	75-00-3	50	BDL
Methylene Chloride	75-09-2	25	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	25	220
1,1-Dichloroethane	75-34-3	25	52
Total-1,2-Dichloroethene	540-59-0	25	BDL
Chloroform	67-66-3	25	BDL
1,2-Dichloroethane	107-06-2	25	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	25	BDL
Carbon Tetrachloride	56-23-5	25	BDL
Vinyl Acetate	108-05-4	50	BDL
Bromodichloromethane	75-27-4	25	BDL
1,2-Dichloropropane	78-87-5	25	BDL
2-Chloroethyl Vinyl Ether	110-75-8	50	BDL
Cis-1,3-Dichloropropene	10061-01-5	25	BDL
Trichloroethene	79-01-6	25	84
Dibromochloromethane	124-48-1	25	BDL
1,1,2-Trichloroethane	79-00-5	25	BDL
Benzene	71-43-2	25	BDL
Trans-1,3-Dichloropropene	10061-02-6	25	BDL
Bromoform	75-25-2	25	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	25	300
1,1,2,2-Tetrachloroethane	79-34-5	25	BDL
Toluene	108-88-3	25	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants
CENREF PROJECT NUMBER: PR941776
CENREF SAMPLE NUMBER: 7598DL
SAMPLE IDENTIFICATION: #90125.12 11 mw-11 dilution
DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	25	BDL
Ethylbenzene	100-41-4	25	BDL
Styrene	100-42-5	25	BDL
Xylenes (Total)	1330-20-7	25	BDL
Vinyl Chloride	75-01-4	50	BDL

BDL = Below Sample Detection Limit
SDL = Sample Detection Limit

COMMENTS: _____

COMPANY NAME:

Western Water Consultants

CENREF PROJECT NUMBER:

PR941776

CENREF SAMPLE NUMBER:

7599

SAMPLE IDENTIFICATION:

#90125.70 duplicate MW-7 1

DATE SAMPLED:

10/25/94

DATE/TIME ANALYZED:

11/8/94 @ 1238

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	50	BDL
Bromomethane	74-83-9	50	BDL
Chloroethane	75-00-3	50	BDL
Methylene Chloride	75-09-2	25	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	25	200
1,1-Dichloroethane	75-34-3	25	26
Total-1,2-Dichloroethene	540-59-0	25	BDL
Chloroform	67-66-3	25	BDL
1,2-Dichloroethane	107-06-2	25	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	25	BDL
Carbon Tetrachloride	56-23-5	25	BDL
Vinyl Acetate	108-05-4	50	BDL
Bromodichloromethane	75-27-4	25	BDL
1,2-Dichloropropane	78-87-5	25	BDL
2-Chloroethyl Vinyl Ether	110-75-8	50	BDL
Cis-1,3-Dichloropropene	10061-01-5	25	BDL
Trichloroethene	79-01-6	25	45
Dibromochloromethane	124-48-1	25	BDL
1,1,2-Trichloroethane	79-00-5	25	BDL
Benzene	71-43-2	25	6 J
Trans-1,3-Dichloropropene	10061-02-6	25	BDL
Bromoform	75-25-2	25	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	25	230
1,1,2,2-Tetrachloroethane	79-34-5	25	BDL
Toluene	108-88-3	25	BDL

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7599

SAMPLE IDENTIFICATION: #90125.70 duplicate MW-7

DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	25	BDL
Ethylbenzene	100-41-4	25	BDL
Styrene	100-42-5	25	BDL
Xylenes (Total)	1330-20-7	25	BDL
Vinyl Chloride	75-01-4	50	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7600

SAMPLE IDENTIFICATION: #90125.0110 Trip blank

DATE SAMPLED: 10/25/94

DATE/TIME ANALYZED: 11/8/94 @ 1316

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chloromethane	74-87-3	10	BDL
Bromomethane	74-83-9	10	BDL
Chloroethane	75-00-3	10	BDL
Methylene Chloride	75-09-2	5	BDL
Acetone	67-64-1	100	BDL
Carbon Disulfide	75-15-0	100	BDL
1,1-Dichloroethene	75-35-4	5	BDL
1,1-Dichloroethane	75-34-3	5	BDL
Total-1,2-Dichloroethene	540-59-0	5	BDL
Chloroform	67-66-3	5	BDL
1,2-Dichloroethane	107-06-2	5	BDL
2-Butanone	78-93-3	100	BDL
1,1,1-Trichloroethane	71-55-6	5	BDL
Carbon Tetrachloride	56-23-5	5	BDL
Vinyl Acetate	108-05-4	10	BDL
Bromodichloromethane	75-27-4	5	1 J
1,2-Dichloropropane	78-87-5	5	BDL
2-Chloroethyl Vinyl Ether	110-75-8	10	BDL
Cis-1,3-Dichloropropene	10061-01-5	5	BDL
Trichloroethene	79-01-6	5	BDL
Dibromochloromethane	124-48-1	5	2 J
1,1,2-Trichloroethane	79-00-5	5	BDL
Benzene	71-43-2	5	BDL
Trans-1,3-Dichloropropene	10061-02-6	5	BDL
Bromoform	75-25-2	5	BDL
4-Methyl-2-Pentanone	108-10-1	50	BDL
2-Hexanone	591-78-6	50	BDL
Tetrachloroethene	127-18-4	5	BDL
1,1,2,2-Tetrachloroethane	79-34-5	5	BDL
Toluene	108-88-3	5	3 J

Page 2 continued

COMPANY NAME: Western Water Consultants

CENREF PROJECT NUMBER: PR941776

CENREF SAMPLE NUMBER: 7600

SAMPLE IDENTIFICATION: #90125.0110 Trip blank

DATE SAMPLED: 10/25/94

METHOD EPA 8240

<u>ANALYSIS</u>	<u>CAS NO.</u>	<u>SDL</u> (ug/l)	<u>RESULT</u> (ug/l)
Chlorobenzene	108-90-7	5	BDL
Ethylbenzene	100-41-4	5	BDL
Styrene	100-42-5	5	BDL
Xylenes (Total)	1330-20-7	5	1 J
Vinyl Chloride	75-01-4	10	BDL

BDL = Below Sample Detection Limit

SDL = Sample Detection Limit

COMMENTS: J = Estimated value detected below the reporting limit.